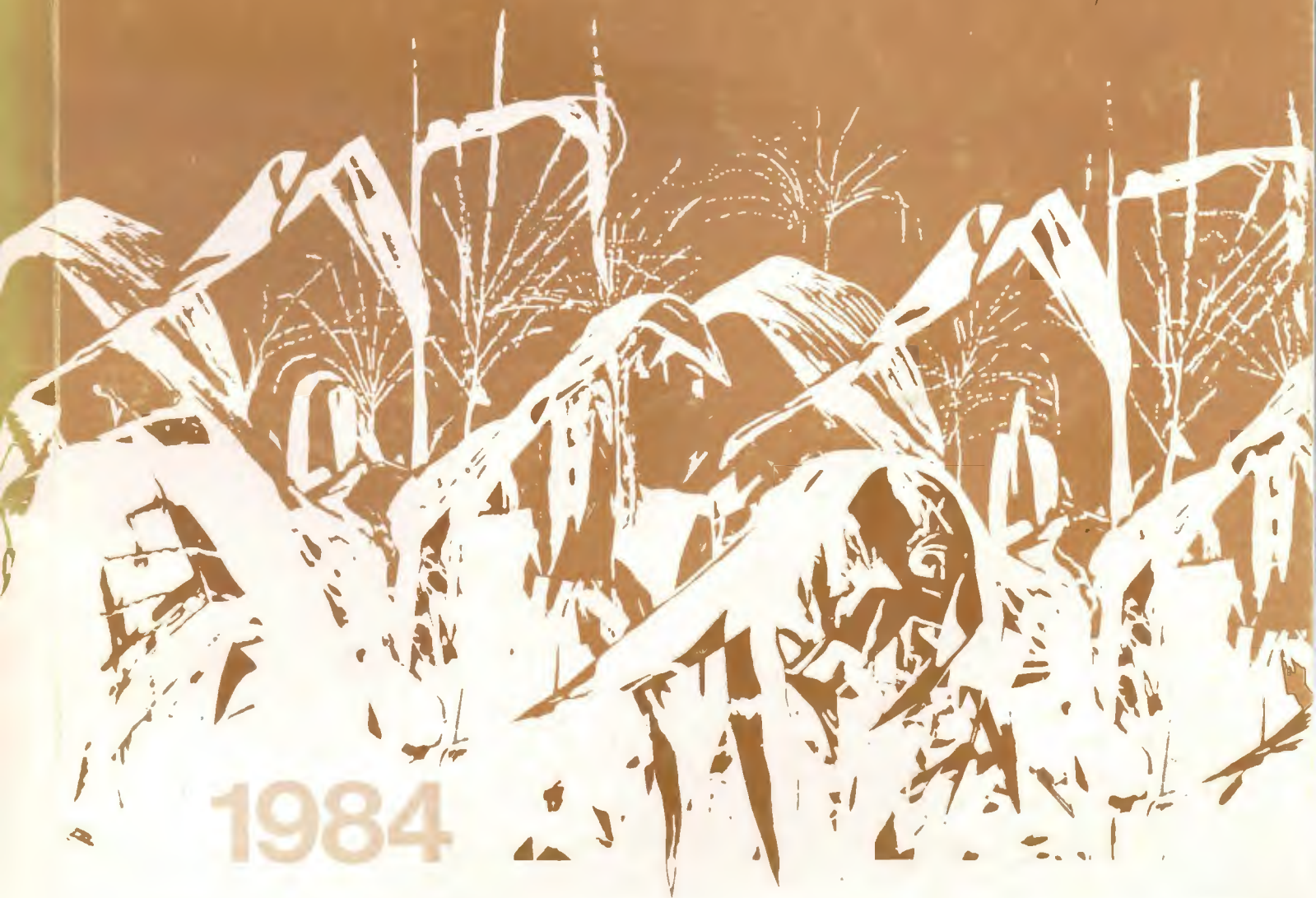




# CIMMYT International Maize Testing Program Programa de Ensayos Internacionales de Maíz del CIMMYT

1984 Final Report

Informe Final de 1984



# 1984

## **CIMMYT International Maize Testing Program**

### **Programa de Ensayos Internacionales de Maíz del CIMMYT**

#### **1984 Final Report**

**International Progeny Testing Trials  
Experimental Variety Trials  
Elite Variety Trials**

#### **Informe Final de 1984**

**Ensayos Internacionales de Prueba de Progenies  
Ensayos de Variedades Experimentales  
Ensayos de Variedades Elite**



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## Introduction

The *1984 Final Report* of the International Maize Testing Program contains summaries of trial data received from April 16 to December 15, 1985. Trial data for 1984 that are received after December 15, 1985, will be included as an addendum to the *1985 Preliminary Report*, which should be available to trial cooperators by October 1986. The previously published *1984 Preliminary Report* and this *1984 Final Report* include data from 453 trial sets returned by national maize scientists in 73 countries.

These reports are the end product of carefully conducted trials and the timely return of complete and accurate data by hundreds of trial cooperators, whose participation is of immense value in the development of superior varieties for maize farmers in developing countries. We at CIMMYT wish to express our thanks to these scientists in national programs for their time and effort, and we look forward to continued cooperation with them.

### Germplasm Improvement at CIMMYT

A large part of the maize research at CIMMYT is directed toward the development and improvement of broad-based gene pools and populations that offer high-yield potential and yield stability under a wide variety of production conditions in developing countries. Work on gene pools is the responsibility of the Maize Program's "Backup Unit," while most of the population improvement and variety development is carried out by the "Advanced Unit." The International Testing Program serves as a vehicle for distribution and evaluation of germplasm developed by the Advanced Unit and thus links this unit with the Center's cooperators in national maize programs throughout the developing world.

In its germplasm improvement work, the Advanced Unit employs the modified full-sib recurrent selection procedure illustrated in Figure A. With this procedure one cycle of improvement can be completed in four cropping seasons or two years, one year longer than would be required for normal full-sib recurrent selection. The additional seasons are necessary because CIMMYT's maize trials are grown both north and south of the equator. Since the main growing season occurs at different times in the two hemispheres, it takes two seasons for all the trials to be grown and the data collected. Maize Program breeders make good use of these extra seasons by carrying out within-family improvement for the traits that are most important in particular populations and by including one recombination generation for selected families.

### International Trials

The International Maize Testing Program distributes three types of trials: International Progeny Testing Trials (IPTTs), Experimental Variety Trials (EVTs), and Elite Variety Trials (ELVTs). These are described below and illustrated in Figure A; the relationship between them and the gene pools and populations in CIMMYT's normal and quality protein maize improvement programs is shown in Figures B and C.

**International Progeny Testing Trials**—In these trials progeny of 15 populations, differing in adaptation, maturity time, and grain color, were tested at 87 locations in 36 countries during 1984. The test sites included virtually all of the major maize research stations in the developing world.

Information derived from the IPTTs is used for two purposes: (1) formation of experimental varieties (EVs) based on data from (a) specific locations and (b) across locations and (2) selection of superior families (those showing broad adaptation and resistance to major diseases and insect pests) to be recombined for the next cycle of improvement.

**Experimental Variety Trials**—During 1984 each of seven distinct EVT's was distributed to 30–50 locations. The purpose of those trials is to evaluate CIMMYT's newest EVs for yield and yield stability in numerous diverse environments around the world.

**Elite Variety Trials**—In these trials EVs found to be superior and broadly adapted in the EVT are retested at up to 100 locations. During 1984 CIMMYT sent a total of 707 sets of EVT and ELVT to scientists in 71 countries.

**General features of the international trials**—Two features of the International Maize Testing Program are particularly important. First, most of the testing is done outside Mexico at major research stations of participating national programs, so all of the Center's materials are tested in environments that are broadly similar to those of farmers who will eventually grow the materials.

A second feature is that the program creates opportunities for national researchers to profit from one another's experience. Since the IPTTs are larger and more complex than the EVT and ELVT, the IPTTs are generally conducted only by the stronger national programs. Programs that carry out only the less complicated ELVTs benefit in two ways. First, they gain access to the germplasm tested in those trials. And second, they receive additional data on the performance of the germplasm in the form of results from EVT conducted the previous year, as well as data from fellow researchers who are testing the same ELVT in the same year but at different locations.

#### **Naming of CIMMYT Varieties**

Full-sib families determined to be superior in the IPTTs, on the basis of data collected by national cooperators, are recombined at CIMMYT to form EVs. Each of these varieties is normally derived from the 10 best families at each good test site and is assigned a name consisting of letters and numbers that indicate the year and location where the IPTT was grown and the best families identified, as well as the number of the population from which the EV was derived. For example the EV Poza Rica 8425 (reported in Table 62-P-84) was formed from the 13 best families of Population 25 tested at Poza Rica, Mexico, in 1984.

A site-specific EV can be formed at the request of a cooperator who has found certain families to be superior based on yield data and field observations of other characteristics in which he or she has a special interest. In the names of those varieties—for example, Piura (1) 8424 (reported in Table 60-P-84)—a number is inserted in parentheses immediately after the name of the test location.

For each IPTT one experimental variety, termed an "across EV," is formed on the basis of information gathered across as many as six test locations. An example is Across 8424 (reported in Table 61-P-84), which was formed on the basis of data from the Dominican Republic, Mexico, Panama, Peru, and Senegal.

#### **Trial Distribution and Data Recovery**

In 1984, 87 sets of IPTTs were shipped to scientists in 36 countries, and 707 sets of EVT and ELVT were sent to 71 countries. The numbers of IPTTs distributed to those countries are listed in Table A, and the numbers of EVT and ELVT sent are listed in Table B. This information and data on the return of trial results are summarized in Table C. Results were received for 457, or 57.6%, of the 794 trials sent. The regions showing the best rates of data recovery were South America, North and Central America, the Caribbean, North Africa and the Middle East, and the Indian subcontinent.

The populations whose progeny were tested in the IPTTs, as well as those from which the EVs were derived, are described in a later section of this publication (page 20). See also the section beginning on page 27 that defines the characteristics for which data are recorded in the trials and gives the abbreviations used in the summary tables for those characteristics.

### **Summary of IPTT Results**

In each of the tables in this publication that report IPTT results, yields and other agronomic characteristics are given for the selected full-sib families (usually the best 10) from which each EV is formed. The paragraphs that follow give an overview of the IPTT results.

In 1984 the results of 72 IPTTs, from a total of 87 distributed, were returned to CIMMYT, giving an encouragingly high recovery rate of 83<sup>0</sup>/o. The information received from trial cooperators is fed into the Center's on-going population improvement work and contributes to broadening the adaptation of the germplasm.

Since EVs are formed on the basis of data from IPTTs, the quality of those trials is extremely important. In Table D information is provided on IPTT quality, as indicated by the coefficient of variation (CV), and on the relative efficiency (RE) of the lattice design of the trials, as compared with the randomized complete block design. Trials with a CV of 10<sup>0</sup>/o or less are considered excellent, those with a CV of 11 to 20 good, and those having 21 to 25 acceptable. An RE of 100 indicates that the lattice design offers no advantage over the randomized complete block design in the extraction of information. Values greater than 100 imply that the lattice design is more efficient. This design is particularly valuable in the IPTTs, which are relatively large and have RE values greater than 125.

Forty-five of those trials (63<sup>0</sup>/o) were good or excellent, as judged by their CVs, and 15 (21<sup>0</sup>/o) were of acceptable quality. In almost all the trials, the lattice design showed some advantage over the randomized complete block, and in 11 trials this advantage was significant.

IPTT mean yields are presented in the form of a histogram in Figure D. In about 92<sup>0</sup>/o of the trials, the mean yield was 3 t/ha or more, reflecting excellent trial management as well as the superior genetic makeup of the material tested. The good yields of the IPTTs make it possible to distinguish more readily between genotypes and thus to select more effectively.

### **Summary of EVT and ELVT Results**

For the EVTs and ELVTs, results are reported in two forms: (1) individual tables containing data from single sites and (2) tables for each trial giving regional and overall summaries of the data. The regions are designated in the summary tables as follows: (I) South America, (II) North, Central America and the Caribbean, (III) Mid-East, (IV) West Africa, (V) East and southern Africa, and (VI) Asia.

The mean yields of the EVTs and ELVTs are shown in the histogram in Figure E. In 79<sup>0</sup>/o of the trials, mean yields were 3 t/ha or above. Yields of the majority of the trials ranged from 3 to 6 t/ha. The highest yielding materials were in EVTs 12A, 12B, and 14B and ELVT 18A. The mean yields of those trials were 6 t/ha or higher at 29<sup>0</sup>/o of the test locations.

The CVs of the variety trials are divided into three groups in Figure F. The majority of the trials (ranging from 63<sup>0</sup>/o for ELVT 18A to 100<sup>0</sup>/o for EVT 12B) had CVs of less than 20<sup>0</sup>/o. As noted previously, a CV of less than 20<sup>0</sup>/o indicates that trial management was good to excellent.

Although in general the 1984 trials appear to have been conducted well, a preliminary analysis of the number of plants harvested indicates that plant stand was lower for the local checks included by trial cooperators than for the EVs sent by CIMMYT. This discrepancy, which has been observed in previous years as well, was especially noticeable among trials conducted in the North and Central America, Caribbean, West Africa, and Asia regions. The two probable causes of the differences between checks and EVs are that (1) the seed of checks had low viability and vigor and (2) was not treated with fungicide and a systemic insecticide, such as Furadan, before planting.



In an attempt to reduce these discrepancies and thus make possible more valid comparisons between local checks and other materials, we will in all future seed shipments include a mixture of Furadan and Thiram, along with empty seed packets, for local checks. We feel, however, that the more important of the two causes of the lower plant stand of local checks is the use of low-vigor seed and so urge national cooperators to use only fresh seed of those materials. Another way in which cooperators could improve the plant stand of local checks would be to conduct a germination test of the seed and then adjust the seeding rate accordingly.

The yield performance of the best EV is compared with that of the best local check for each of the variety trials in Table E. Over 48% of the best EVs yielded better than the best local check. The highest proportion of that group were tested in EVT's 12A, 12B, and 14B and ELVT's 18A and 18B. These results indicate something of the benefit to national maize improvement programs of CIMMYT germplasm, which national scientists either use directly as open-pollinated varieties or subject to further breeding.

A yield comparison like that made in Table E is, of course, only one of several criteria that national scientists take into account when assessing the performance of new materials. Other important considerations are plant and ear height, maturity, lodging score, husk cover, grain color and texture, yield stability, and disease and insect resistance. Some of these other factors are mentioned in the following brief discussions of individual trials.

**EVT 12A**—In this trial the EVs from tropical, late, white dent populations were tested. The mean yields across 38 test locations (Table 129-V-84) show the superior performance of EVs developed from Population 43 (La Posta). Those EVs were taller, however, than others included in the trial. Newer varieties from Population 29 (Tuxpeño Caribe) in general gave higher average yields than the reference entry Across 7729RE.

**EVT 12B**—Data on the performance of EVs developed from the 1982 IPTT of Population 22 (Mezcla Tropical Blanca) are listed in Table 134-V-84. The EVs flowered earlier and gave much higher yields than the reference check Across 7622RE.

**EVT 13**—The EVs tested in this trial were developed from Populations 24, 27, and 36, which are tropical, early-intermediate maturity, yellow flint (or dent) materials. There were small differences among the varieties in days to silk and grain yield. All the new EVs from Population 27 outperformed the reference entry Across 7627RE (Table 157-V-84).

**EVT 14A**—Table 179-V-84 gives yield data for EVs from Populations 26 (Mezcla Amarilla) and 35 (Antigua-Republica Dominicana), including figures for different regions as well as averages over 43 locations. Varieties from Population 26 were taller and gave higher yields than those from Population 35. The new EVs from Population 35 were similar to the reference entry Across 7635RE in days to silk and plant height but gave higher yields.

**EVT 14B**—This trial was made up of EVs from Populations 23, 30, 32, and 49, which are tropical, early-intermediate maturity, white-grain materials. The EVs from Population 30 (Blanco Cristalino-2) were much earlier and shorter than the rest of the entries. Ikenne (1) 8149, though intermediate in maturity and low in plant height, was one of the three highest yielders. The top yielders, Ferke (1) 8223 and Los Baños (1) 8232, were similar in plant height and days to flower (Table 189-V-84).

**EVT 16A**—The EVs tested in this trial were developed from Populations 33, 45, and 48, which are subtropical, yellow-grain materials of early to intermediate maturity. The populations can be ranked as follows, from highest to lowest, according to the yield performance of the EVs developed from them: 45 (Amarillo Bajio), 33 (Amarillo Subtropical), and 48 (Compuesto de Hungary). The populations can be ranked in the same order (again from highest to lowest) according to the days to flower and plant height of the varieties from them (Table 207-V-84).

**EVT 16B**—Mean yields across 14 locations are listed in Table 214-V-84 for EVs from the subtropical, white-grain Populations 34, 44, and 47. Tlaltizapan 8244 was clearly the top yielder in the trial. Among the new EVs developed from Population 34 (Blanco Subtropical), Across 8134 was the highest yielding.

**ELVT 18A**—This trial compared the yields and agronomic characters of tropical, late-maturing varieties selected on the basis of their performance during the previous year in EVTs 12 and 13. Ilonga 8043, Ferke (1) 8128, and Los Baños 8027 were the highest yielding elite varieties from Populations 43, 28, and 27, respectively (Table 83-EV-84). Poza Rica 8129, Poza Rica 8121, and Poza Rica 8136 were the top three from Populations 29, 21, and 36. In general, the elite varieties in this trial were of similar maturity (as measured by days to flower). There were small differences among test entries in grain yield over 50 locations.

**ELVT 18B**—Elite EVs from Populations 26, 30, 31, 32, 35, and 49 were the entries in this trial of early-intermediate maturing maize having subtropical adaptation. Data on the performance of those varieties over 49 locations are listed in Table 101-EV-84. The intermediate-maturing elite varieties from Populations 26, 32, and 49 gave higher yields than those from Populations 30 and 31. Rattray-Arnold (1) 8149 was the highest yielder in the trial. Suwan (1) 8131 and CIAT 8130 were the highest yielding elite varieties from Populations 31 and 30, respectively.

## Introducción

El *Informe final de 1984* del Programa de Ensayos Internacionales de Maíz contiene resúmenes de la información sobre los ensayos recibidos del 16 de abril al 15 de diciembre de 1985. La información sobre los ensayos de 1984 que se reciba después del 15 de diciembre de 1985 se incluirá como suplemento en el *Informe preliminar de 1985*, que estará a disposición de las personas que colaboran en los ensayos para octubre de 1986. El *Informe preliminar de 1984*, publicado con anterioridad, y este *Informe final de 1984* incluyen información sobre 453 grupos de ensayos, enviada por científicos nacionales de maíz de 73 países.

Estos informes representan el producto final de ensayos realizados con gran cuidado y del oportuno envío de información completa y exacta por parte de cientos de colaboradores en los ensayos, cuya participación es de inmenso valor para la creación de variedades superiores destinadas a los agricultores de maíz de los países en desarrollo. En el CIMMYT, deseamos expresar nuestro agradecimiento a los científicos de los programas nacionales por el tiempo y esfuerzo que han dedicado y esperamos continuar la colaboración con ellos.

### Mejoramiento de germoplasma en el CIMMYT

Gran parte de la investigación de maíz del CIMMYT está dirigida hacia la creación y mejoramiento de complejos germoplásmicos y poblaciones de base amplia que ofrezcan un potencial de rendimiento alto y estable en las condiciones de producción muy variadas de los países en desarrollo. La "Unidad de Apoyo" del Programa de Maíz es responsable del trabajo con los complejos germoplásmicos, mientras que la "Unidad Avanzada" se hace cargo de la mayor parte de la labor de mejoramiento de poblaciones y creación de variedades. El Programa de Ensayos Internacionales actúa como vehículo para distribuir y evaluar el germoplasma creado por la Unidad Avanzada y, de esta manera, sirve de eslabón entre esta unidad y los colaboradores del Centro pertenecientes a los programas nacionales de maíz en todo el mundo en desarrollo.

En su labor de mejoramiento de germoplasma, la Unidad Avanzada emplea el procedimiento modificado de selección recurrente de hermanos completos que aparece en la figura A. Con este procedimiento se puede completar un ciclo de mejoramiento en cuatro temporadas de cultivo o dos años, un año más de lo que se necesitaría para la selección recurrente de hermanos completos normal. Las otras temporadas son necesarias porque los ensayos de maíz del CIMMYT se llevan a cabo tanto al norte como al sur del ecuador y, dado que la temporada principal de cultivo no ocurre al mismo tiempo en los dos hemisferios, se requieren dos temporadas para cultivar todos los ensayos y recopilar la información. Los mejoradores del Programa de Maíz aprovechan estas temporadas adicionales para efectuar un mejoramiento inter-familiar de las características más importantes en determinadas poblaciones y para incluir una generación de recombinación de las familias seleccionadas.

### Ensayos internacionales

El Programa de Ensayos Internacionales de Maíz distribuye tres tipos de ensayos: Ensayos Internacionales de Prueba de Progenie (IPTT), Ensayos de Variedades Experimentales (EVT) y Ensayos de Variedades Elite (ELVT), que se describen a continuación y se ilustran en la figura A. En las figuras B y C se presenta la relación que existe entre ellos y los complejos germoplásmicos y poblaciones de los programas de mejoramiento de maíz normal y con calidad de proteína del CIMMYT.

**Ensayos Internacionales de Prueba de Progenie.** En estos ensayos se sometieron a prueba, en 87 localidades de 36 países durante 1984, las progenies de 15 poblaciones que difieren en cuanto a la adaptación, tiempo de madurez y color del grano. Los sitios en que se llevaron a cabo las pruebas incluyen prácticamente todas las estaciones importantes de investigación de maíz en el mundo en desarrollo.

La información obtenida de los IPTTs se utiliza para dos propósitos: (1) creación de variedades experimentales (EV), basándose en la información recibida de (a) localidades específicas y (b) diferentes localidades, y (2) selección de familias superiores (aquellas que presentan mayor adaptación y resistencia a las enfermedades y plagas de insectos más importantes) que se recombinarán para el siguiente ciclo de mejoramiento.

**Ensayos de Variedades Experimentales.** En 1984, se distribuyeron siete EVT's diferentes en 30-50 localidades; el objetivo de estos ensayos es evaluar las EV's más recientes del CIMMYT en cuanto al rendimiento y a la estabilidad del rendimiento en numerosos ambientes diferentes en todo el mundo.

**Ensayos de Variedades Elite.** En estos ensayos se vuelven a someter a prueba en hasta 100 localidades las EV's consideradas superiores y de mayor adaptación. Durante 1984, el CIMMYT envió un total de 707 grupos de EVT's y ELVT's a los científicos de 71 países.

**Características generales de los ensayos internacionales.** Dos características del Programa de Ensayos Internacionales son de especial importancia. En primer lugar, la mayor parte de los ensayos se lleva a cabo fuera de México en las principales estaciones de investigación de los programas nacionales participantes, de tal forma que todos los materiales del Centro se prueban en ambientes muy similares a los de los agricultores que más tarde cultivarán estos materiales.

Una segunda característica es que el programa crea oportunidades para que los investigadores nacionales se beneficien de las experiencias de los demás. Como los IPTT's son más grandes y complejos que los EVT's y los ELVT's, sólo los programas nacionales más fuertes suelen llevarlos a cabo. Los programas que sólo efectúan los ELVT's menos complicados se benefician en dos formas; en primer lugar, tienen acceso al germoplasma probado en estos ensayos y, en segundo, reciben más información acerca del comportamiento del germoplasma gracias a los resultados de los EVT's efectuados el año anterior, así como también información procedente de los compañeros investigadores que someten a prueba el mismo ELVT en el mismo año, pero en localidades diferentes.

#### **Designación de las variedades del CIMMYT**

Las familias de hermanos completos que se consideraron superiores en los IPTT's, con base en la información recopilada por los colaboradores nacionales, se recombinan en el CIMMYT para formar EV's. Normalmente, cada una de estas variedades se deriva de las 10 mejores familias de cada localidad de prueba adecuada y se le asigna un nombre que consiste en letras y números que indican el año y la localidad en que se cultivó el IPTT y las mejores familias identificadas, así como también el número de la población de la que se obtuvo la EV. Por ejemplo, la EV Poza Rica 8425, que aparece en el cuadro 62-P-84, se formó a partir de las 13 mejores familias de la Población 25, que se sometió a prueba en Poza Rica, México, en 1984.

A petición de un colaborador que ha encontrado que ciertas familias son superiores según la información sobre el rendimiento y las observaciones de campo de otras características en las que tiene especial interés, se puede crear una EV específicamente para un sitio. En los nombres de tales variedades (por ejemplo, Piura (1) 8424 que aparece en el cuadro 60-P-84), se inserta un número entre paréntesis inmediatamente después del nombre de la localidad en que se llevó cabo la prueba.

De cada IPTT se crea una variedad experimental, denominada "Across EV", sobre la base de la información reunida en un total de seis localidades donde se efectuó la prueba. Un ejemplo es Across 8424 (que aparece en el cuadro 61-P-84), que se creó sobre la base de información recopilada en México, Panamá, Perú, República Dominicana y Senegal.

#### **Distribución de ensayos y recuperación de información**

En 1984 se enviaron 87 grupos de IPTT's a científicos de 36 países y 707 grupos de EVT's y ELVT's a 71 países. En el cuadro A aparece el número de IPTT's distribuidos en esos países y en el cuadro B se menciona el número de EVT's y ELVT's que se enviaron. En el cuadro C se resumen los datos sobre la recuperación de los resultados de los ensayos. Se obtuvieron resultados de 457 (57.6%) ensayos enviados. Las regiones que presentaron los mejores índices de recuperación de información fueron América del Sur, América del Norte y Centroamérica, El Caribe, Norte de África y Medio Oriente y el subcontinente indio.

En una sección posterior de esta publicación se describen las poblaciones cuya progenie se sometió a prueba en los IPTT's, así como también aquellas de las que se derivaron las EV's (ver página 20). Asimismo, la sección que comienza en la página 27 define las características que sirven de base para registrar la información en los ensayos y presenta las abreviaturas utilizadas en los cuadros para dichas características.

### **Resumen de los resultados de los IPTTs**

En todos los cuadros de esta publicación que informan acerca de los resultados de los IPTTs, se presentan los rendimientos y otras características agronómicas de las familias seleccionadas de hermanos completos (por lo general las 10 mejores) de las que se creó cada EV. En los siguientes párrafos se da un resumen de los resultados de los IPTTs.

En 1984, el CIMMYT recibió los resultados de 72 IPTTs de un total de 87 ensayos que se había distribuido, lo que da un índice de recuperación alentadoramente alto de 83%. La información recibida de las personas que colaboran en los ensayos se incluye en la labor actual de mejoramiento de poblaciones del Centro y contribuye a ampliar la adaptación de germoplasma.

Como las EVs se forman sobre la base de la información obtenida de los IPTTs, la calidad de tales ensayos es de vital importancia. En el cuadro D se suministra la información sobre la calidad de los IPTTs, como lo indica el coeficiente de variación (CV) y sobre la eficacia relativa (RE) del diseño de látice de los ensayos, en comparación con el diseño de bloques completos al azar. Los ensayos con un CV de 10% o menos se consideran excelentes; los que tienen un CV de 11 a 20%, buenos, y los que tienen un CV de 21 a 25%, aceptables. Una RE de 100 indica que el diseño de látice no ofrece ninguna ventaja sobre el diseño de bloques completos al azar en cuanto a la extracción de información. Los valores de más de 100 indican que el diseño es particularmente valioso en los IPTTs relativamente grandes y que presentan valores de RE mayores de 125.

Cuarenta y cinco de estos ensayos (63%) fueron buenos o excelente, juzgados de acuerdo con su CV, y 15 (21%) fueron de calidad aceptable. En casi todos los ensayos, el diseño de látice presentó alguna ventaja sobre el diseño de bloques completos al azar, y en 11 ensayos esta ventaja fue significativa.

En la figura D se presentan los rendimientos medios de los IPTTs en forma de histograma. En cerca del 92% de los ensayos, el rendimiento medio fue de 3 t/ha o más, que refleja el excelente manejo de los ensayos y la composición genética superior del material sometido a prueba. El buen rendimiento de los IPTTs hace posible distinguir los genotipos con más facilidad y, por ende, hacer una mejor selección.

### **Resumen de los resultados de los EVT y ELVT**

Los resultados de los EVT y ELVT se presentan en dos formas: (1) cuadros individuales que contienen información sobre un solo lugar y (2) cuadros para cada ensayo que suministran resúmenes regionales y globales de la información. En los cuadros de resumen, las regiones se designan de la siguiente manera: (I) América del Sur, (II) América del Norte, Centroamérica y el Caribe, (III) Medio Oriente, (IV) África Occidental, (V) África Oriental y del Sur y (VI) Asia.

En el histograma de la figura E se presentan los rendimientos medios de los EVT y ELVT. En el 79% de los ensayos, el rendimiento medio fue de 3 t/ha o más. El rendimiento de la inmensa mayoría de los ensayos fue de 3 a 6 t/ha. Los materiales que tuvieron el rendimiento más alto fueron los EVT 12A, 12B y 14B y el ELVT 18A. El rendimiento medio de dichos ensayos fue de 6 t/ha o más en el 29% de las localidades donde se efectuaron las pruebas.

En la figura F se dividen en tres grupos los CVs de los ensayos de variedades. La mayor parte de los ensayos (desde 63% para el ELVT 18A hasta 100% para el EVT 12B) presentaron CVs de menos de 20%. Como se mencionó anteriormente, un CV de menos de 20% indica que el manejo del ensayo se considera de bueno a excelente.

Si bien en general parece que los ensayos de 1984 se efectuaron de manera apropiada, el análisis preliminar del número de plantas cosechadas indica que la densidad de plantas fue más pequeña en los testigos locales incluidos por los colaboradores en los ensayos que en las EVs enviadas por el CIMMYT. Esta discrepancia, que también se ha observado en años anteriores, se notó sobre todo en los ensayos efectuados en las regiones de América del Norte y Centroamérica, el Caribe, África Occidental y Asia. Las dos causas probables de la diferencia entre los testigos y las EVs son que (1) la semilla de los testigos era menos viable y vigorosa, y (2) no se dio tratamiento con fungicida ni con un insecticida sistémico, como por ejemplo Furadan, antes de la siembra.

En un intento por reducir estas discrepancias y, en consecuencia, hacer posibles comparaciones más válidas entre los testigos locales y los demás materiales, en todos los futuros envíos de semilla incluiremos una mezcla de Furadan y Thiram, junto con paquetes de semilla vacíos, para los testigos locales. No obstante, consideramos que la causa más importante de la reducida densidad de plantas en los testigos locales es el empleo de semilla de poco vigor y, por ello, pedimos a los colaboradores nacionales que utilicen únicamente semillas frescas de tales materiales. Otra forma en que los colaboradores pueden mejorar la densidad de plantas de los testigos locales consiste en efectuar una prueba de germinación de la semilla y hacer los ajustes correspondientes en el método de siembra.

En el cuadro E se compara el comportamiento del rendimiento de la mejor EV con el del mejor testigo local en cada uno de los ensayos de variedades. Más del 48% de las mejores EVs presentaron rendimientos más elevados que los mejores testigos locales. La proporción más alta de ese grupo se obtuvo en los EVT's 12A, 12B y 14B y en los ELVT's 18A y 18B. Estos resultados indican algunos de los beneficios que obtienen los programas nacionales de mejoramiento de maíz con el germoplasma del CIMMYT que los científicos nacionales emplean directamente como variedades de polinización libre o someten a un mejoramiento más extenso.

Sin duda, una comparación del rendimiento, como la efectuada en el cuadro E, es sólo uno de los muchos criterios que los científicos nacionales toman en consideración al evaluar el comportamiento de los materiales nuevos. Otros factores importantes son la altura de la planta y de la mazorca, madurez, acame, cubrimiento de mazorca, color y textura del grano, estabilidad del rendimiento y resistencia a enfermedades e insectos. En los siguientes análisis breves de los ensayos individuales se mencionan algunos de estos factores.

**EVT 12A**—En este ensayo se sometieron a prueba las EVs de poblaciones tropicales, tardías, blancas y dentadas. El rendimiento medio en las 38 localidades de la prueba (cuadro 129-V-84) indicó el comportamiento superior de las EVs creadas a partir de la Población 43 (La Posta). Empero, dichas EVs fueron más altas que las demás incluidas en el ensayo. En general, las variedades más recientes de la Población 29 (Tuxpeño Caribe) dieron rendimientos medios superiores a los de la entrada de referencia Across 7729RE.

**EVT 12B**—En el cuadro 134-V-84 se presentan los datos del comportamiento de las EVs creadas a partir del IPTT de 1982 de la Población 22 (Mezcla Tropical Blanca). Las EVs florecieron antes y dieron rendimientos mucho mayores que el testigo de referencia Across 7622RE.

**EVT 13**—Las EVs que se sometieron a prueba en este ensayo se crearon a partir de las poblaciones 24, 27 y 36, que son materiales tropicales, con madurez precoz o intermedia y grano amarillo cristalino (o dentado). Se observaron pequeñas diferencias entre las variedades en cuanto a los días a floración y al rendimiento de grano. Todas las EVs nuevas derivadas de la Población 27 presentaron un comportamiento superior al de la entrada de referencia Across 7627RE (cuadro 157-V-84).

**EVT 14A**—El cuadro 179-V-84 proporciona información sobre el rendimiento de las EVs derivadas de las Poblaciones 26 (Mezcla Amarilla) y 35 (Antigua-República Dominicana), incluyendo cifras de diferentes regiones que presentamos como promedios de más de 43 localidades. Las variedades de la Población 26 fueron más altas y dieron mayores rendimientos que las de la Población 35. Las nuevas EVs de la Población 35 se comportaron de manera semejante a la entrada de referencia Across 7635RE en cuanto a los días a floración y a la altura de las plantas, pero tuvieron rendimientos mayores.

**EVT 14B**—Este ensayo se compuso de EVs de las Poblaciones 23, 30, 32 y 49, que son materiales tropicales, con madurez precoz a intermedia y de grano blanco. Las EVs de la Población 30 (Blanco Cristalino-2) fueron mucho más precoces y cortas que las de las otras poblaciones. La Ikenne (1) 8149, aunque de madurez intermedia y baja altura de planta, fue una de las tres que dieron rendimientos más altos. Las que proporcionaron los mejores rendimientos, Ferke (1) 8223 y los Baños (1) 8232, presentaron un comportamiento semejante en cuanto a la altura de las plantas y los días a floración (cuadro 189-V-84).

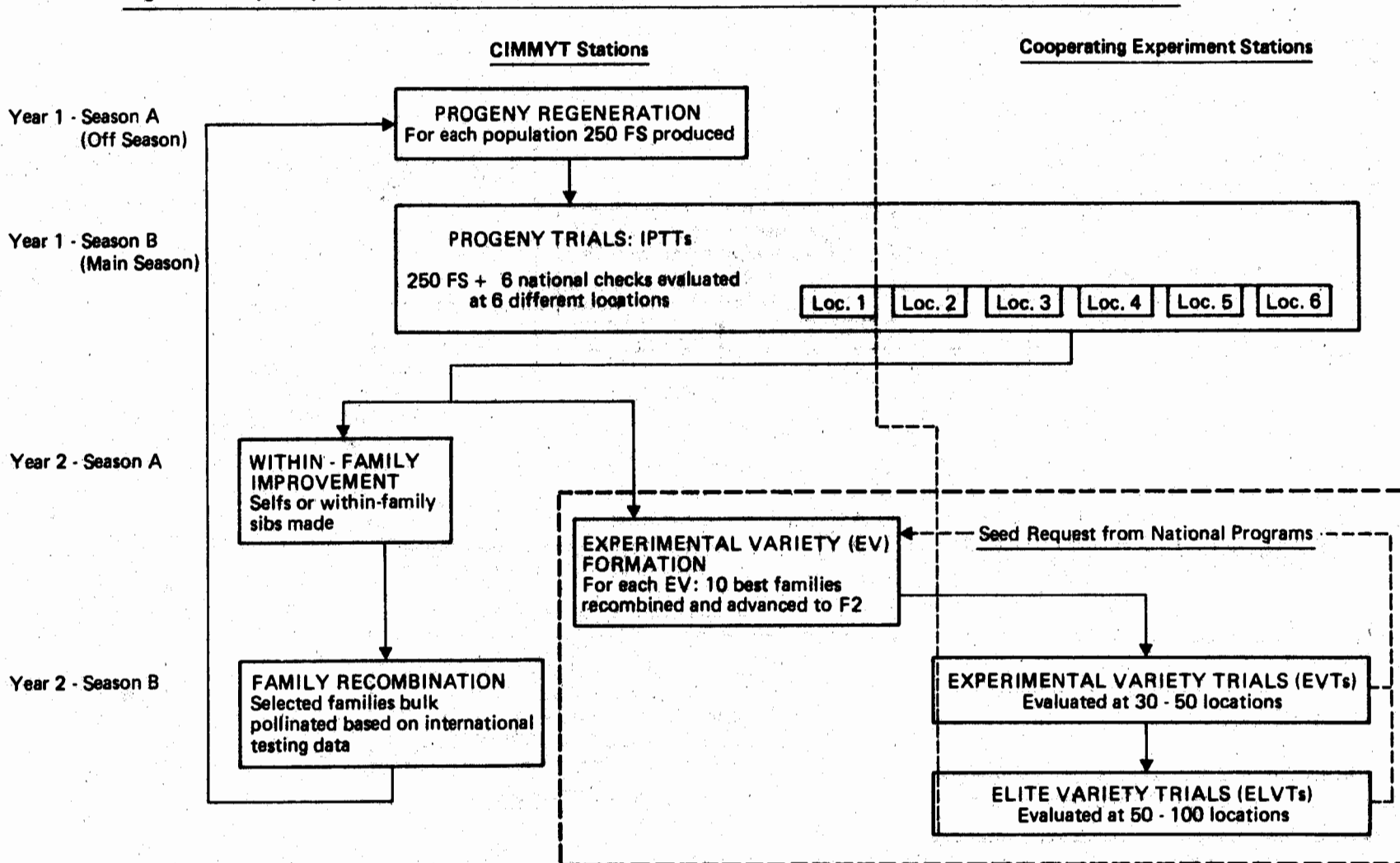
**EVT 16A**—Las EVs sometidas a prueba en este ensayo se crearon de las Poblaciones 33, 45 y 48, que son materiales subtropicales de grano amarillo y madurez precoz o intermedia. Según el rendimiento de las EVs derivadas de ellas, del más alto al más bajo, las poblaciones se pueden clasificar de la siguiente manera: 45 (Amarillo Bajío), 33 (Amarillo Subtropical) y 48 (Compuesto de Hungary). Las poblaciones se pueden clasificar en el mismo orden (una vez más del más alto al más bajo) en cuanto a los días a floración y la altura de las plantas de las variedades derivadas de ellas. (Cuadro 207-V-84)

**EVT 16B**—En el cuadro 214-V-84 se presentan los rendimientos medios obtenidos en 14 localidades con las EVs creadas de las Poblaciones subtropicales de grano blanco 34, 44 y 47. La Tlaltizapán 8244 fue sin duda la que dio el mayor rendimiento en el ensayo. Entre las nuevas EVs creadas a partir de la Población 34 (Blanco Subtropical), la Across 8134 fue la de mayor rendimiento.

**ELVT 18A**—En este ensayo se compararon los rendimientos y las características agronómicas de variedades tropicales de madurez tardía, seleccionadas sobre la base de su comportamiento durante el año anterior en los EVTs 12 y 13. La Ilonga 8043, Ferke (1) 8128 y los Baños 8027 fueron las variedades elite derivadas de las Poblaciones 43, 28 y 27, respectivamente, que dieron los rendimientos más altos (cuadro 83-EV-84). La Poza Rica 8129, Poza Rica 8121 y Poza Rica 8136 fueron las tres mejores de las Poblaciones 29, 21 y 36. En general, las variedades elite que participaron en este ensayo presentaron una madurez semejante (medida por los días a floración). En más de 50 localidades se observaron pequeñas diferencias entre las entradas de la prueba en cuanto al rendimiento de grano.

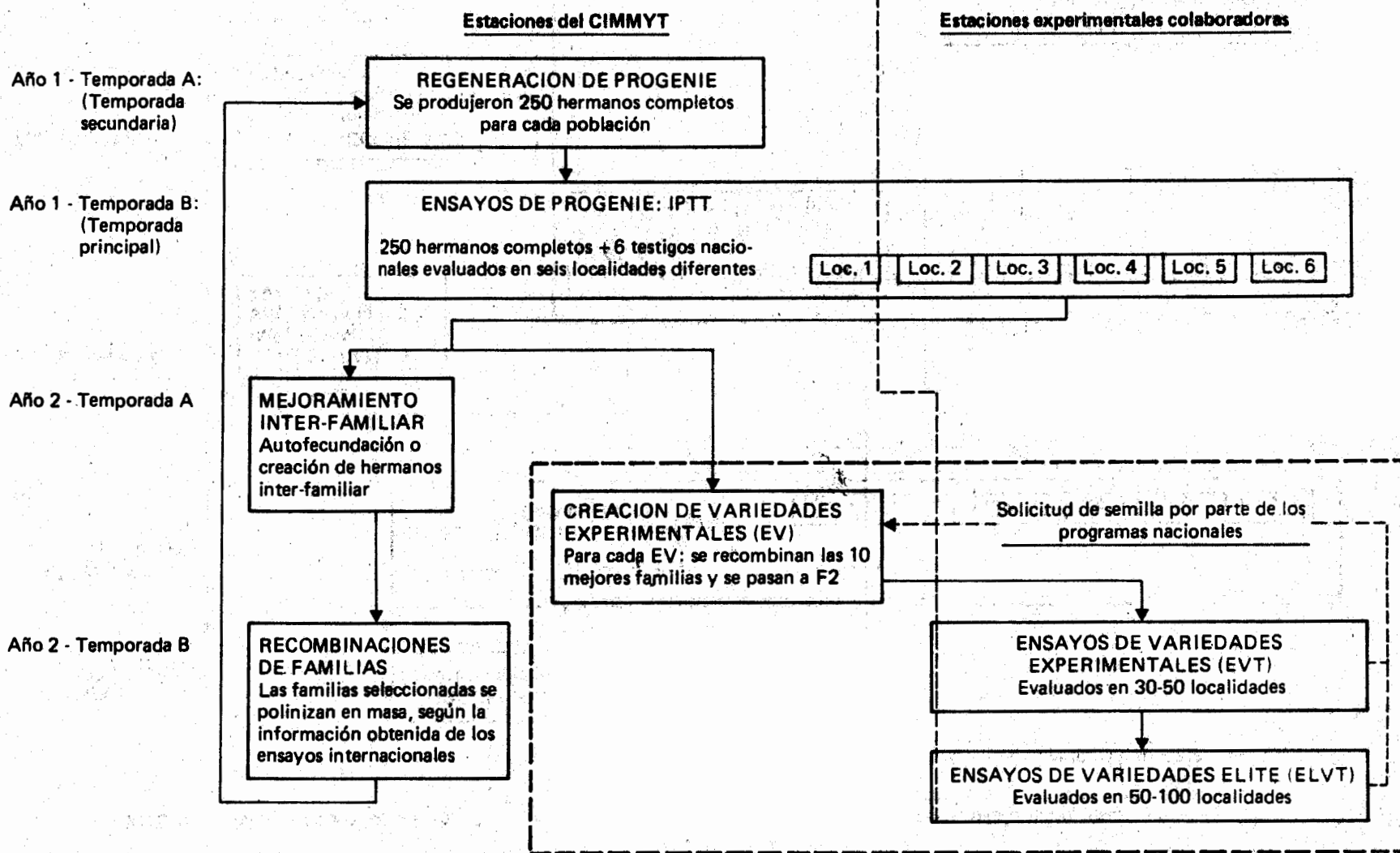
**ELVT 18B**—Las EVs elite de las Poblaciones 26, 30, 31, 32, 35 y 49 constituyeron las entradas para este ensayo de maíz con madurez precoz a intermedia y adaptación subtropical. En el cuadro 101-EV-84 se presentan los datos correspondientes al comportamiento de tales variedades en más de 49 localidades. Las variedades elite de madurez intermedia, derivadas de las Poblaciones 26, 32 y 49 dieron rendimientos más altos que las derivadas de las Poblaciones 30 y 31. La Rattray Arnold (1) 8149 fue la que tuvo el rendimiento más alto de todo el ensayo. La Suwan (1) 8131 y CIAT 8130 fueron las variedades elite de mayor rendimiento, derivadas de las Poblaciones 31 y 30, respectivamente.

**Figure A. Steps in population improvement and experimental variety development, evaluation, and use.**

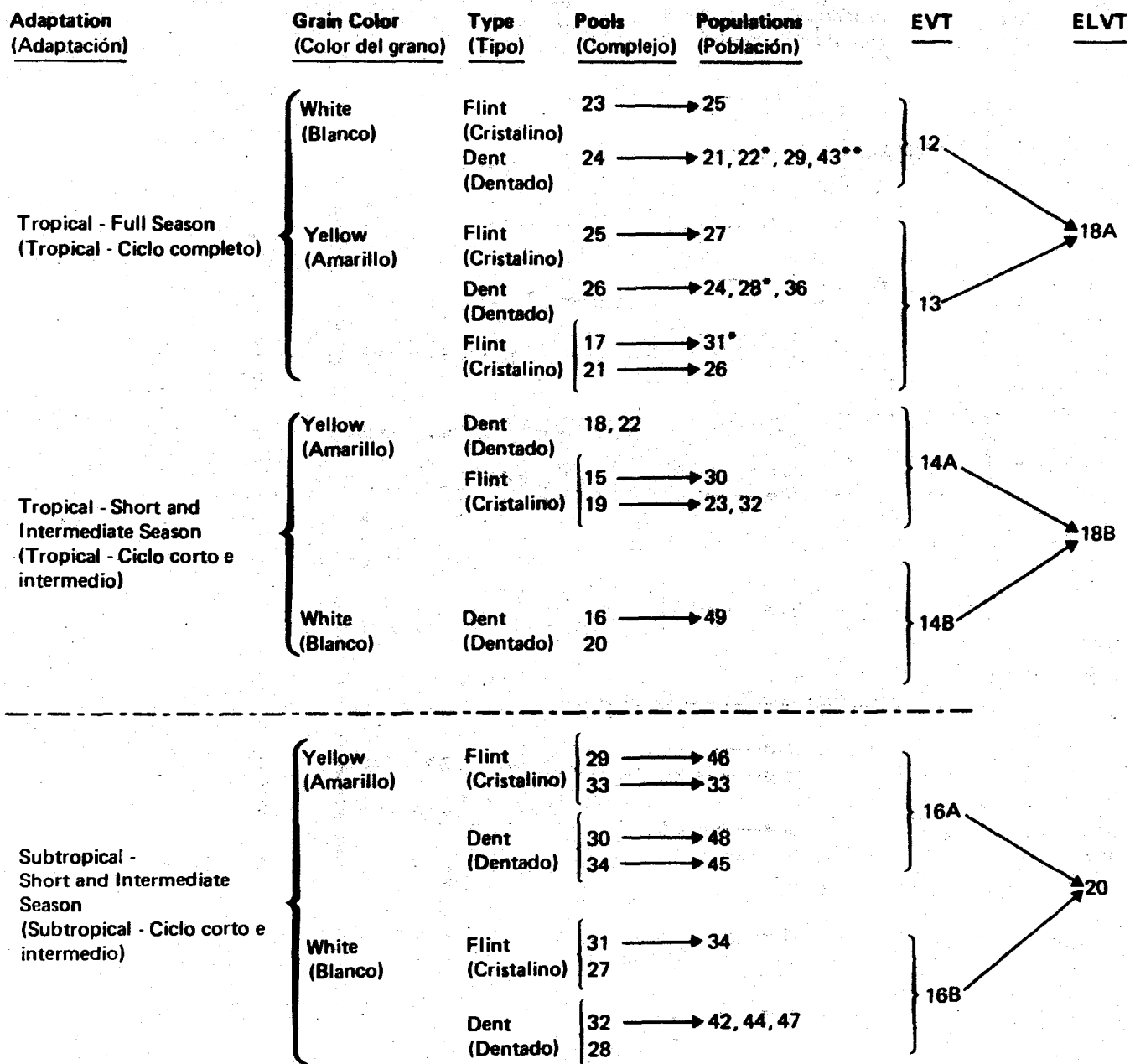




**Figura A. Pasos del mejoramiento de poblaciones y la creación, evaluación y empleo de variedades experimentales.**



**Figure B. Relationship between gene pools, populations, and variety trials in CIMMYT's normal maize improvement program.**  
**Figura B. Relación entre complejos germoplásmicos, poblaciones y ensayos de variedad en el programa de mejoramiento de maíz normal del CIMMYT.**



\* At Farm Suwan (Thailand) for improvement of downy mildew resistance.

\*\* At IITA for improvement of streak resistance.

\* En Farm Suwan (Tailandia) para mejorar la resistencia al mildiú veloso.

\*\* En IITA para mejorar la resistencia al rayado.

**Figure C. Relationship between gene pools, populations, and variety trials in CIMMYT's quality protein maize improvement program.**

**Figura C. Relación entre complejos germoplásmicos, poblaciones y ensayos de variedad en el programa de mejoramiento de maíz con calidad de proteína del CIMMYT.**

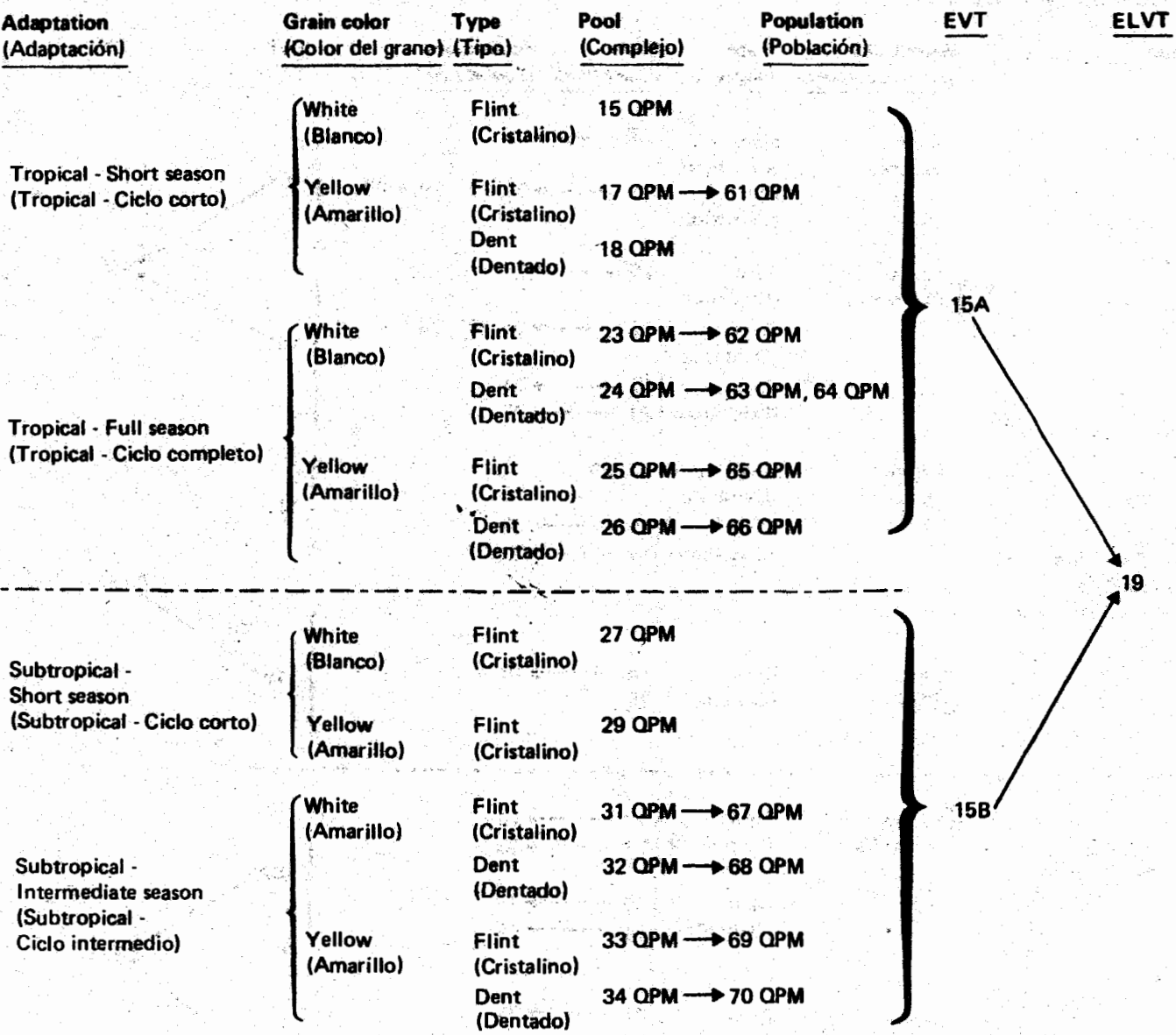


Figure D. Histogram of mean yields of 1984 International Progeny Trials.

Figura D. Histograma de los IPTTs, 1984.

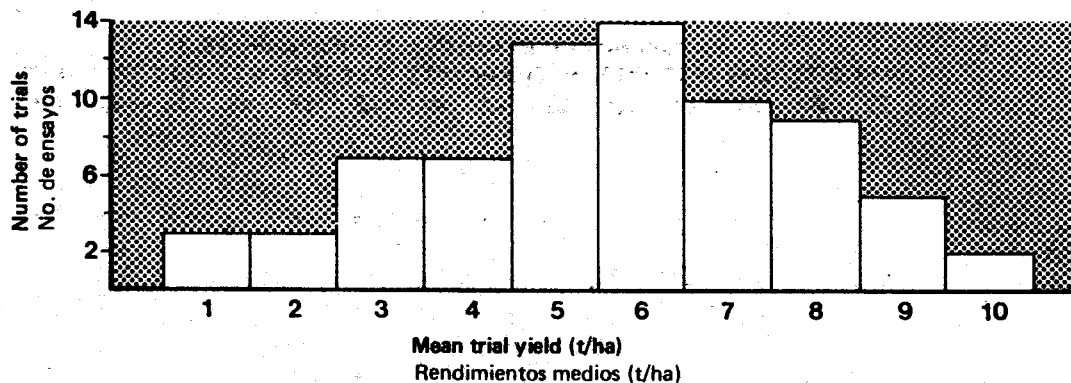


Figure E. Histogram of three yield classes for the nine Experimental Variety Trials and Elite Variety Trials grown in 1984.

Figura E. Histograma de tres niveles de rendimiento de nueve EVT y ELVTs, 1984.

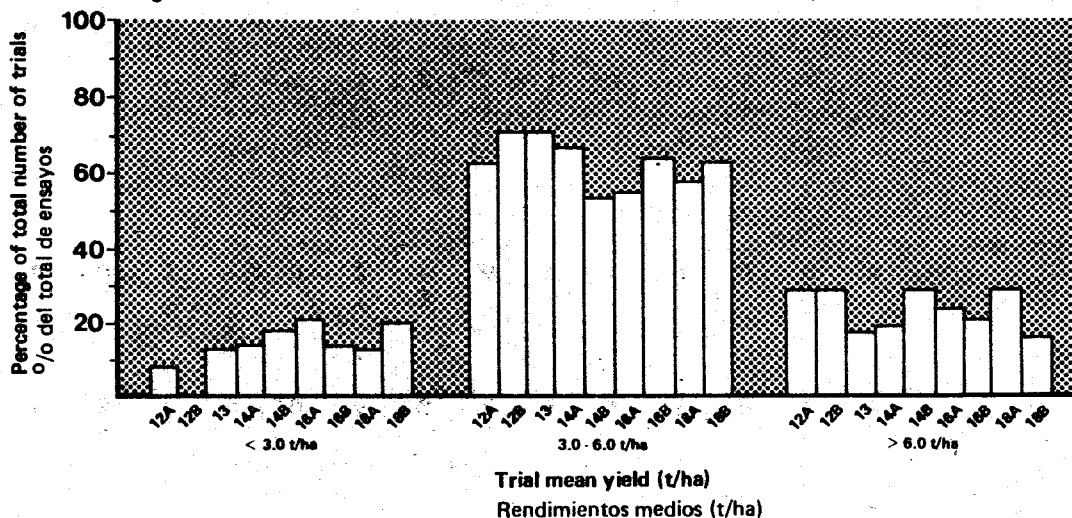
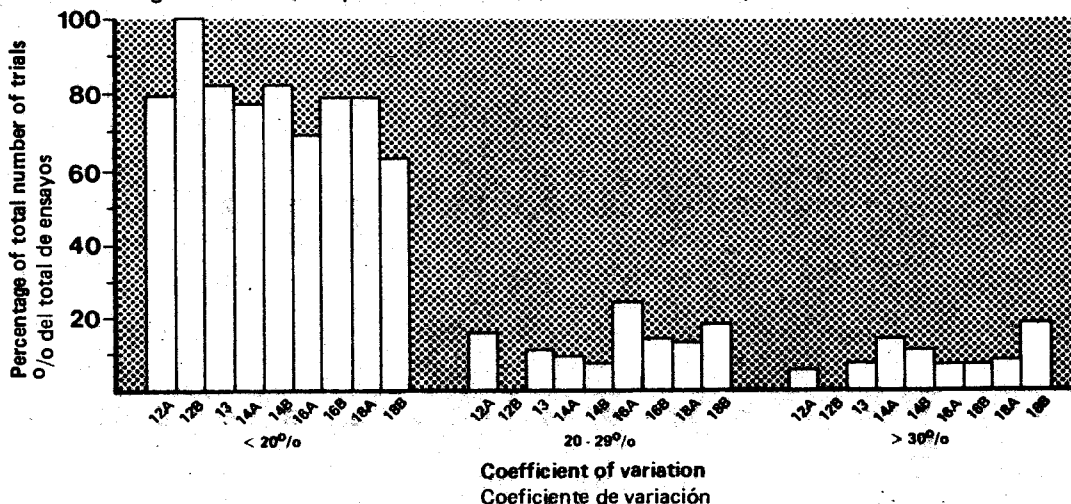


Figure F. Histogram for three classes of coefficients of variation for the nine Experimental Variety Trials and Elite Variety Trials grown in 1984.

Figura F. Histograma de tres tipos de coeficientes de variación para los nueve EVT y ELVT, 1984.



**Table A. Locations of the International Progeny Testing Trials (IPTTs) in 1984**  
**Cuadro A. Localidades de los Ensayos Internacionales de Progenies (IPTTs) de 1984**

|  | Number of trials sent (No. de ensayos enviados) |          |          |          |          |          |          |          |          |          |          |          |          |          |          | Total     |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
|  | IPTT 22   | IPTT 24  | IPTT 25  | IPTT 27  | IPTT 32  | IPTT 33  | IPTT 43  | IPTT 44  | IPTT 45  | IPTT 47  | IPTT 48  | IPTT 64  | IPTT 66  | IPTT 68  | IPTT 70  |           |
| <b>Country (País)</b>                          |   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |
| <b>South America</b>                           | 2   | 1        | 2        | 1        | 2        | 1        | 1        | 0        | 2        | 0        | 0        | 1        | 3        | 2        | 3        | 21        |
| Argentina                                      |   |          |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 1         |
| Bolivia  |   |          |          |          | 1        |          |          |          |          |          |          |          | 1        | 1        | 1        | 4         |
| Brazil   |   |          |          |          |          |          |          |          | 1        |          |          |          | 1        | 1        | 1        | 4         |
| Colombia                                       | 1   |          | 1        |          | 1        |          |          |          |          |          |          | 1        |          |          |          | 4         |
| Ecuador  |   |          |          |          |          |          |          |          |          |          |          |          | 1        |          |          | 1         |
| Peru   |   | 1        |          | 1        |          | 1        |          |          | 1        |          |          |          |          |          |          | 4         |
| Venezuela                                      | 1   |          | 1        |          |          |          | 1        |          |          |          |          |          |          |          |          | 3         |
| <b>Central and North America and Caribbean</b> | 0   | 4        | 2        | 2        | 1        | 2        | 0        | 2        | 1        | 2        | 2        | 2        | 3        | 1        | 1        | 25        |
| El Salvador                                    |   |          |          |          |          |          |          |          |          |          |          |          | 1        |          |          | 1         |
| Guatemala                                      |   |          |          |          |          |          |          |          |          |          |          | 1        | 1        |          |          | 2         |
| Honduras                                       |   |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          | 1         |
| Mexico   |   | 1        | 1        | 1        | 1        | 1        |          | 2        | 1        | 2        | 1        | 1        |          | 1        | 1        | 14        |
| Nicaragua                                      |   |          | 1        |          |          |          |          |          |          |          |          |          |          |          |          | 1         |
| Panama   |   | 1        |          | 1        |          |          |          |          |          |          |          |          | 1        |          |          | 3         |
| U.S.A.   |   | 1        |          |          |          |          |          |          |          |          | 1        |          |          |          |          | 2         |
| Dominican Republic                             |   | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          | 1         |
| <b>North Africa and Near East</b>              | 0   | 0        | 0        | 0        | 0        | 0        | 0        | 1        | 2        | 0        | 2        | 0        | 0        | 0        | 0        | 5         |
| Egypt  |   |          |          |          |          |          |          | 1        | 1        |          |          |          |          |          |          | 2         |
| Syria  |   |          |          |          |          |          |          |          |          |          | 1        |          |          |          |          | 1         |
| Turkey   |   |          |          |          |          |          |          |          | 1        |          | 1        |          |          |          |          | 2         |
| <b>West Africa</b>                             | 1   | 1        | 0        | 1        | 1        | 1        | 2        | 0        | 0        | 0        | 0        | 1        | 0        | 1        | 1        | 10        |
| Cameroon                                       |   |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 1         |
| Ivory Coast                                    |   |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          | 1         |
| Ghana  |   |          |          |          |          |          |          |          |          |          |          | 1        |          |          |          | 1         |
| Burkina Faso                                   | 1   |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 1        | 3         |
| Nigeria  |   |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 1         |
| Senegal  |   | 1        |          |          | 1        |          |          |          |          |          |          |          |          | 1        |          | 3         |
| <b>Eastern and Southern Africa</b>             | 2   | 0        | 0        | 0        | 1        | 0        | 3        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 8         |
| Kenya  |   |          |          |          | 1        |          |          |          |          |          |          | 1        |          |          |          | 2         |
| Malawi   |   |          |          |          |          |          |          | 1        |          |          |          |          |          |          |          | 1         |
| Reunion  |   |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 1         |
| Zaire  | 1   |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1         |
| Zambia   |   |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 1         |
| Zimbabwe                                       | 1   |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          | 2         |
| <b>Asia</b>                                    | 1   | 0        | 2        | 3        | 1        | 2        | 0        | 1        | 1        | 1        | 2        | 1        | 1        | 1        | 1        | 18        |
| India  |   |          |          | 1        |          | 1        |          | 1        | 1        | 1        | 1        |          | 1        | 1        | 1        | 9         |
| Nepal  |   |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          | 1         |
| Pakistan                                       |   |          | 1        |          |          | 1        |          |          |          |          |          | 1        |          |          |          | 3         |
| Indonesia                                      |   |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          | 1         |
| Thailand                                       | 1   |          | 1        |          |          |          |          |          |          |          |          | 1        |          |          |          | 3         |
| Philippines                                    |   |          | 1        |          |          |          |          |          |          |          |          |          |          |          |          | 1         |
| <b>Total</b>                                   | <b>6</b>  | <b>6</b> | <b>6</b> | <b>7</b> | <b>6</b> | <b>6</b> | <b>6</b> | <b>5</b> | <b>6</b> | <b>3</b> | <b>6</b> | <b>6</b> | <b>7</b> | <b>5</b> | <b>6</b> | <b>87</b> |

**Table B. Locations of the International Experimental Variety Trials (EVTs) and Elite Variety Trials (ELVTs) in 1984**  
**Cuadro B. Localidades de los Ensayos Internacionales de Variedades Experimentales y Ensayos de Variedades Elite de 1984**

| Country (País)                        | Number of trials sent (No. de ensayos enviados) |            |           |            |            |            |            |             |             |            |
|---------------------------------------|---|------------|-----------|------------|------------|------------|------------|-------------|-------------|------------|
|                                       | EVT<br>12A                                      | EVT<br>12B | EVT<br>13 | EVT<br>14A | EVT<br>14B | EVT<br>16A | EVT<br>16B | ELVT<br>18A | ELVT<br>18B | Total      |
| <b>South America</b>                  | <b>10</b>                                       | <b>1</b>   | <b>29</b> | <b>16</b>  | <b>2</b>   | <b>24</b>  | <b>5</b>   | <b>17</b>   | <b>7</b>    | <b>111</b> |
| Argentina                             |   |            | 3         | 2          |            | 4          | 1          |             |             | 10         |
| Bolivia                               | 1   |            | 7         | 1          | 1          | 2          | 1          | 1           | 1           | 15         |
| Brazil                                |   |            | 7         | 7          |            | 10         | 3          | 7           |             | 34         |
| Chile                                 |   |            |           |            |            | 1          |            |             |             | 1          |
| Colombia                              | 1   |            | 2         |            |            |            |            |             |             | 3          |
| Paraguay                              |   |            | 2         | 2          |            | 2          |            |             | 2           | 8          |
| Peru                                  |   |            | 4         | 4          |            | 4          |            | 4           | 2           | 18         |
| Uruguay                               |   |            |           |            |            | 1          |            |             |             | 1          |
| Venezuela                             | 8   | 1          | 4         |            | 1          |            |            | 5           | 2           | 21         |
| <b>Central and<br/>North America</b>  | <b>28</b>                                       | <b>14</b>  | <b>19</b> | <b>15</b>  | <b>17</b>  | <b>8</b>   | <b>17</b>  | <b>27</b>   | <b>18</b>   | <b>163</b> |
| Costa Rica                            | 2   |            | 1         |            | 1          | 1          |            | 4           | 2           | 11         |
| El Salvador                           | 3   |            | 2         |            |            |            |            | 2           |             | 7          |
| Guatemala                             | 2   | 2          | 2         | 2          | 3          |            |            | 2           | 2           | 15         |
| Honduras                              | 4   |            | 1         |            | 1          |            |            | 3           | 2           | 11         |
| Mexico                                | 7   | 6          | 5         | 3          | 5          | 7          | 15         | 7           | 2           | 57         |
| Nicaragua                             | 8   | 5          | 2         | 4          | 7          |            | 2          | 2           | 4           | 34         |
| Panama                                |   |            | 5         | 5          |            |            |            | 6           | 6           | 22         |
| U.S.A                                 | 2   | 1          | 1         | 1          |            |            |            | 1           |             | 6          |
| <b>Caribbean</b>                      |   |            | <b>4</b>  | <b>5</b>   | <b>2</b>   |            |            |             | <b>3</b>    | <b>14</b>  |
| Jamaica                               |   |            | 1         |            |            |            |            |             | 1           | 2          |
| Dominican Republic                    |   |            | 3         | 3          |            |            |            |             |             | 6          |
| West Indies                           |   |            |           | 2          | 2          |            |            |             | 2           | 6          |
| <b>Europe</b>                         |   |            |           | <b>2</b>   |            | <b>5</b>   |            |             |             | <b>7</b>   |
| France                                |   |            |           | 2          |            | 2          |            |             |             | 4          |
| Greece                                |   |            |           |            |            | 2          |            |             |             | 2          |
| Spain                                 |   |            |           |            |            | 1          |            |             |             | 1          |
| <b>North Africa and<br/>Near East</b> |   |            |           | <b>2</b>   |            | <b>8</b>   | <b>4</b>   | <b>2</b>    | <b>6</b>    | <b>22</b>  |
| Egypt                                 |   |            |           |            |            | 2          | 2          |             |             | 4          |
| Iraq                                  |   |            |           |            |            | 1          | 1          |             |             | 2          |
| Morocco                               |   |            |           |            |            | 2          | 1          |             | 4           | 7          |
| Syria                                 |   |            |           |            |            |            |            |             |             |            |
| Turkey                                |   |            |           |            |            | 2          |            |             |             | 2          |
| Yemen                                 |   |            |           | 2          |            | 1          |            | 2           | 2           | 7          |
| <b>West Africa</b>                    | <b>21</b>                                       | <b>2</b>   | <b>12</b> | <b>16</b>  | <b>17</b>  | <b>4</b>   | <b>2</b>   | <b>18</b>   | <b>19</b>   | <b>111</b> |
| Cameroon                              | 3   |            |           |            | 2          |            |            |             |             | 5          |
| Cape Verde                            |   |            |           | 2          | 2          |            |            |             | 1           | 5          |
| Central African Republic              |   |            |           |            |            |            |            | 1           | 1           | 2          |
| Ivory Coast                           |   |            |           | 3          |            |            |            | 3           |             | 6          |
| Gabon                                 |   |            |           | 1          | 1          |            |            |             | 1           | 3          |
| Gambia                                |   |            |           |            |            |            |            |             | 2           | 2          |
| Ghana                                 | 2   |            |           |            | 1          |            |            |             |             | 3          |
| Guinea                                | 1   |            | 2         | 1          | 1          |            |            | 1           | 1           | 7          |
| Guinea Bissau                         | 2   |            |           |            |            |            |            | 2           |             | 4          |
| Burkina Faso                          | 1   |            |           | 1          |            | 2          |            | 2           | 3           | 9          |
| Liberia                               |   |            |           |            |            |            |            | 1           | 1           | 2          |
| Mali                                  |   |            |           |            |            |            |            | 4           | 4           | 8          |
| Nigeria                               | 1   |            | 1         |            |            |            |            | 1           | 1           | 4          |

Table B. (continued)  
Cuadro B. (continúa)

|                                    | Number of trials sent (No. de ensayos enviados) |            |           |            |            |            |            |             |             | Total      |
|------------------------------------|---|------------|-----------|------------|------------|------------|------------|-------------|-------------|------------|
|                                    | EVT<br>12A                                      | EVT<br>12B | EVT<br>13 | EVT<br>14A | EVT<br>14B | EVT<br>16A | EVT<br>16B | ELVT<br>18A | ELVT<br>18B |            |
| <b>Country (País);</b>             |   |            |           |            |            |            |            |             |             |            |
| Senegal                            | 5   | 2          | 5         | 4          | 4          |            |            |             |             | 20         |
| Sierra Leone                       | 2   |            | 2         | 2          | 2          | 2          | 2          | 2           | 2           | 16         |
| Togo                               | 4   |            | 2         | 2          | 4          |            |            | 1           | 2           | 15         |
| <b>Eastern and Southern Africa</b> | <b>20</b>                                       | <b>4</b>   | <b>2</b>  | <b>8</b>   | <b>24</b>  | <b>2</b>   | <b>12</b>  | <b>18</b>   | <b>23</b>   | <b>113</b> |
| Angola                             | 1   |            |           |            |            |            | 1          |             |             | 2          |
| Ethiopia                           | 1   |            |           | 1          |            | 1          | 2          | 1           |             | 6          |
| Kenya                              | 3   | 3          |           |            | 5          |            |            |             |             | 11         |
| Malawi                             |   |            |           | 3          | 3          |            |            | 6           | 6           | 18         |
| Mozambique                         |   |            |           |            |            |            | 1          |             | 1           | 2          |
| Republic of South Africa           |   |            |           |            |            |            |            | 1           | 1           | 2          |
| Reunion                            |   |            |           |            |            |            |            | 3           | 6           | 9          |
| Rwanda                             |   |            |           |            |            |            | 1          |             |             | 1          |
| Somalia                            | 2   |            |           |            | 2          |            |            |             | 2           | 6          |
| Sudan                              | 5   |            | 1         | 1          | 3          | 1          | 1          | 1           | 1           | 14         |
| Swaziland                          | 1   |            |           |            | 1          |            | 2          | 1           | 1           | 6          |
| Uganda                             | 1   |            | 1         | 1          | 1          |            |            | 1           | 1           | 6          |
| Zaire                              | 3   |            |           | 2          | 5          |            |            | 3           | 4           | 17         |
| Zambia                             | 1   | 1          |           |            | 2          |            | 2          |             |             | 6          |
| Zimbabwe                           | 2   |            |           |            | 2          |            | 2          | 1           |             | 7          |
| <b>Indian Subcontinent</b>         |   |            | <b>2</b>  |            | <b>6</b>   | <b>9</b>   | <b>9</b>   | <b>4</b>    | <b>2</b>    | <b>32</b>  |
| Bangladesh                         |   |            |           |            |            | 5          | 5          | 2           | 2           | 14         |
| Pakistan                           |   |            |           |            | 6          | 4          | 4          |             |             | 14         |
| Sri Lanka                          |   |            | 2         |            |            |            |            | 2           |             | 4          |
| <b>Asia</b>                        | <b>9</b>  | <b>9</b>   | <b>17</b> | <b>13</b>  | <b>6</b>   | <b>7</b>   | <b>2</b>   | <b>12</b>   | <b>12</b>   | <b>87</b>  |
| Indonesia                          |   |            | 2         | 2          | 1          |            |            | 3           | 3           | 11         |
| Korea                              |   |            |           |            |            | 1          |            |             |             | 1          |
| Malaysia                           |   |            |           |            |            |            |            | 1           | 1           | 2          |
| Taiwan                             | 2   | 2          | 2         | 2          | 2          | 2          | 2          | 2           | 2           | 18         |
| Thailand                           | 7   | 7          | 6         | 2          | 3          | 2          |            | 2           | 2           | 31         |
| Vietnam                            |   |            | 7         | 7          |            | 2          |            | 4           | 4           | 24         |
| <b>Pacific</b>                     | <b>7</b>  | <b>4</b>   | <b>7</b>  | <b>5</b>   | <b>7</b>   | <b>4</b>   | <b>4</b>   | <b>4</b>    | <b>5</b>    | <b>47</b>  |
| Philippines                        | 7   | 4          | 7         | 5          | 7          | 4          | 4          | 4           | 5           | 47         |
| <b>Total</b>                       | <b>95</b>                                       | <b>34</b>  | <b>92</b> | <b>82</b>  | <b>81</b>  | <b>71</b>  | <b>54</b>  | <b>103</b>  | <b>95</b>   | <b>707</b> |

**Table C. Summary of trial distribution and data collection, by region, for the 1984 Preliminary and Final Reports of the International Maize Testing Program**

**Cuadro C. Resumen de la distribución de los ensayos y la recolección de datos por regiones en los Informes Preliminar y Final del Programa de Ensayos Internacionales de Maíz, 1984.**

| Region<br>(Región)              | No. of trials sent<br>(No. de ensayos recibidos) | No. of trials received and reported on<br>(No. de ensayos recibidos y registrados) |                    |                  |             | % of total<br>(% del total) |
|---------------------------------|--|--|--------------------|------------------|-------------|-----------------------------|
|                                 |  | Preliminary<br>(Preliminares)  | Final<br>(Finales) | Total<br>(Total) |             |                             |
| Pacific                         | 48   | 8  | 0                  | 8                | 16.7        |                             |
| South America                   | 132  | 17   | 89                 | 106              | 80.3        |                             |
| Central and North<br>America    | 187  | 117  | 27                 | 143              | 76.5        |                             |
| Caribbean                       | 15   | 1  | 10                 | 11               | 73.3        |                             |
| Europe                          | 7  | 3  | 0                  | 3                | 42.9        |                             |
| North Africa and<br>Middle East | 27   | 13   | 7                  | 20               | 74.1        |                             |
| West Africa                     | 121  | 56   | 13                 | 70               | 57.9        |                             |
| Eastern and<br>southern Africa  | 121  | 0  | 26                 | 26               | 21.5        |                             |
| Indian subcontinent             | 45   | 20   | 13                 | 33               | 73.3        |                             |
| Asia                            | 91   | 19   | 18                 | 37               | 40.7        |                             |
| <b>Total</b>                    | <b>794</b>                                       | <b>254</b>   | <b>203</b>         | <b>457</b>       | <b>57.6</b> |                             |

**Table D. Distribution of coefficients of variation (CV) and relative efficiencies (RE) of the lattice design for grain yield of 1984 International Progeny Testing Trials**

**Cuadro D. Distribución de coeficiente de variación (CV) y eficiencia relativa (RE) del diseño de látice para rendimiento de grano, 1984.**

| RE (%)       | Number of trials having CVs (%) within a certain range<br>No. de ensayos con CVs (%) dentro de ciertos límites |           |           |           |          |          |          |           |
|--------------|--|-----------|-----------|-----------|----------|----------|----------|-----------|
|              | 6 - 10   | 11 - 15   | 16 - 20   | 21 - 25   | 26 - 30  | 31 - 35  | Over 35  |           |
| <100         | 1  | 1         | 2         | —         | —        | —        | —        | 4         |
| 100 - 115    | 5  | 14        | 9         | 8         | 3        | 1        | 2        | 42        |
| 116 - 125    | 2  | 4         | 3         | 4         | 1        | 1        | —        | 15        |
| 126 - 150    | —  | 1         | 2         | 2         | —        | —        | 4        | 9         |
| 151 - 175    | —  | —         | 1         | 1         | —        | —        | —        | 2         |
| <b>Total</b> | <b>8</b>   | <b>20</b> | <b>17</b> | <b>15</b> | <b>4</b> | <b>2</b> | <b>6</b> | <b>72</b> |



**Table E. Comparison of the best experimental variety (EV) with the best local check for all Experimental and Elite Variety Trials**

**Cuadro E. Comparación de las mejores variedades experimentales (EV) con el mejor testigo local para todos los EVT y ELVT, 1984.**

| Trial<br>(Ensayo) | No. of trials received<br>(No. ensayos recibidos) | EV yielded less than check<br>(EV rindió menos que testigo) |                             | EV yielded more than check<br>(EV rindió más que testigo) |                             |
|-------------------|---|---|-----------------------------|---|-----------------------------|
|                   |   | No. of trials<br>(No. de ensayos)                           | % of total<br>(% del total) | No. of trials<br>(No. de ensayos)                         | % of total<br>(% del total) |
| 12A               | 38  | 6   | 15.8                        | 32  | 84.2                        |
| 12B               | 7   | 0   | 0.0                         | 7   | 100.0                       |
| 13                | 48  | 15  | 31.1                        | 33  | 68.8                        |
| 14A               | 43  | 22  | 51.2                        | 21  | 48.8                        |
| 14B               | 28  | 5   | 17.9                        | 23  | 82.1                        |
| 16A               | 29  | 14  | 48.3                        | 15  | 51.7                        |
| 16B               | 14  | 6   | 42.9                        | 8   | 57.1                        |
| 18A               | 50  | 14  | 28.0                        | 36  | 72.0                        |
| 18B               | 49  | 13  | 26.5                        | 36  | 73.5                        |

**Description of Populations**  
(Descripción de Poblaciones)

**Number and Name**  
(Número y Nombre)

**Description (Descripción)**

**1 Blanco Harinoso Precoz**

Full-sib families were originally generated from the best families of Andean Pool 1 in 1979-80. The dominant germplasm in the population is Cacahuacintle of Mexico and San Geronimo of Peru. The population is early maturing, has large white flouy seeds, and is adapted to tropical highland maize growing areas. It is being improved for wide adaptation by shuttle breeding between Mexico and Ecuador, and for ear rots and ear worm resistance.

Las familias de hermanos completos se generaron originalmente en 1970-80, tomando como base las mejores familias del pool Andino 1. El componente dominante del germoplasma en esta población es Cacahuacintle de México y San Geronimo de Perú. Esta población es de temprana madurez, de grano blanco largo y se adapta a tierras altas del trópico. Ha sido mejorada para amplia adaptación por selección alternada entre México y Ecuador, y ha sido sometida a solución para resistencia a pudrición de la mazorca y resistencia al gusano de la mazorca.

**3 Amarillo Harinoso Precoz**

Full-sibs families were formed from the best half-sib families of Andean Pool 3 in 1979-80. The pool was made up of germplasm from the highlands of Mexico and the Andean region. This population has basically the same characteristics as Population 1, except that seeds are yellow and intermediate in size. It is being improved for wide adaptation by shuttle breeding between Mexico and Ecuador, and for ear rots and ear worm resistance.

Las familias de hermanos completos de esta población se formaron de las mejores familias de medios hermanos de pool Andino 3 en el ciclo de 1979-80. El pool 3 tiene su origen en germoplasma de tierras altas de México y de la Región Andina. Esta población tiene básicamente las mismas características que la Población 1, excepto que las semillas son amarillas y de longitud intermedia de grano. Ha sido mejorada para amplia adaptación por selección alternada entre México y Ecuador, y para resistencia a pudrición de la mazorca y resistencia al gusano de la mazorca.

**4 Amarillo Harinoso Intermedio**

Full-sibs were formed in 1980-81 from the population Varios x Chillos. The population includes varieties Chillos, Compuesto Amarillo Harinoso, Compuesto Grano Grande, Compuesto Blanco Harinoso Precoz, Compuesto Cacahuacintle, and Precoz Titicaca-Chihuahua. It is an intermediate maturing, yellow seeded population with flouy large seed type. It is being improved for resistance to ear rots and ear worm, and for wide adaptation using shuttle breeding between Mexico and Ecuador.

Las familias de hermanos completos se formaron en 1980-81 de la población Varios x Chillos. Amarillo Harinoso Intermedio incluye variedades de: Chillos, Compuesto Amarillo Harinoso, Compuesto

- Grano Grande, Compuesto Blanco Harinoso Precoz, Compuesto Cacahuacintle, y Precoz Titicaca-Chihuahua. Es de madurez intermedia, grano amarillo largo. Ha sido sometido a selección para resistencia a pudrición de mazorca y gusano de la mazorca. Esta población ha sido mejorada para amplia adaptación, usando el sistema de selección alternada entre México y Ecuador.
- 21 Tuxpeño 1** Tropical white dent, late maturity, combines excellent standability, and relatively short plant type. Fairly tolerant to most foliar diseases. Being improved for fall armyworm (*Spodoptera frugiperda*) resistance.
- Maíz de grano blanco dentado, madurez tardía, combina excelente vigor y tipo de planta relativamente baja. Bastante tolerante a la mayoría de las enfermedades foliares. Se le está mejorando con respecto a resistencia al cogollero (*Spodoptera frugiperda*).
- 22 Mezcla Tropical Blanca** Tropical white, dent-semident, late maturity. Very broad genetic base. Being improved for downy mildew resistance.
- Maíz blanco dentado y semidentado con madurez tardía de amplia base genética. Está siendo mejorado para resistencia a la cenicilla.
- 23 Blanco Cristalino-1** Tropical white flint, intermediate maturity and relatively short plant height. Being improved for sugarcane borer (*D. Saccharalis*) resistance.
- Maíz de grano blanco, cristalino, de madurez intermedia y planta relativamente baja. Está siendo mejorado para resistencia al barrenador de la caña de azúcar (*D. Saccharalis*).
- 24 Antigua Veracruz 181** Tropical yellow, semident, intermediate plant height and maturity. Is being improved for fall armyworm (*Spodoptera frugiperda*) resistance.
- Maíz de grano amarillo, semi-dentado. Su madurez y altura de planta son intermedias. Está siendo mejorado para resistencia al cogollero (*Spodoptera frugiperda*).
- 25 Blanco Cristalino-3** Tropical adaptation. White flint and late maturity. Being improved for stalk rot resistance.
- Maíz de adaptación tropical. Con grano blanco cristalino, madurez tardía. Se le está mejorando con respecto a resistencia a la pudrición del tallo.
- 26 Mezcla Amarilla** Tropical yellow, semi-flint grain, intermediate maturity, and relatively short plants. Composed basically of Caribbean germplasm. Being improved for ear rot resistance.
- Maíz tropical amarillo, semicristalino; madurez intermedia; plantas relativamente bajas. Básicamente se desarrolló a partir de germoplasma del Caribe. Se está mejorando con respecto a resistencia a la pudrición de la mazorca.

- 27 Amarillo Cristalino-1** Tropical yellow flint. Mixture of ETO, Cuban Flint, and Tuxpeño germplasm. Intermediate plant size and late maturity. Is being improved for ear rot resistance.
- Maíz de grano amarillo y cristalino. Basado en germoplasma de ETO, Cubano Cristalino y Tuxpeño, de zonas tropicales bajas. Su altura de planta es intermedia y su madurez tardía. Está siendo mejorada para resistencia a la pudrición de la mazorca.
- 28 Amarillo Dentado** Tropical late maturity, yellow dent, relatively tall plants. Broad germplasm base; is a genetic mixture of Caribbean, Mexican, Central American, and Brazilian materials. Being improved for downy mildew resistance.
- Maíz con grano amarillo dentado, madurez tardía; plantas relativamente altas. Se trata de una mezcla genética de germoplasma caribeño, mexicano, centroamericano y brasileño y consecuentemente tiene una muy amplia base genética. Está siendo mejorado para resistencia a la cenicilla.
- 29 Tuxpeño Caribe** Tropical white, dent grain, and late maturity. Broad genetic base comprises Tuxpeño and Cuban Flint germplasm. Being improved for reduced plant height.
- Maíz tropical, grano blanco dentado; amplia base genética con germoplasma de Tuxpeño y de Cristalinos Cubanos. Está siendo mejorado para altura reducida de la planta.
- 30 Blanco Cristalino-2** Tropical, white flint to semiflint. Early maturity and short plant. Being improved for seed uniformity, grain color, and texture.
- Maíz tropical, grano blanco cristalino a semicristalino. Madurez precoz, tipo de planta relativamente baja. Está siendo mejorada para la uniformidad de color y textura del grano.
- 31 Amarillo Cristalino-2** Tropical yellow, flint to semiflint grain, early maturity, and relatively short plants. Being improved for downy mildew resistance.
- Población adaptada a regiones tropicales maíz tropical, grano amarillo, cristalino a semicristalino, madurez precoz y plantas relativamente cortas. Está siendo mejorado para resistencia a la cenicilla.
- 32 ETO Blanco** Adapted to tropical and subtropical areas. Mixture of tropical and temperate germplasm. White, hard, flint grain type. Intermediate to late maturity. Short plant type. Being improved for resistance to foliar diseases.
- Población adaptada para áreas bajas tropicales y subtropicales. Mezcla de germoplasma tropical y templado. Grano blanco, duro y cristalino. Con madurez intermedia a tardía. Planta baja. Está siendo mejorado para resistencia a enfermedades foliares.
- 33 Amarillo Subtropical** Subtropical-temperate yellow flint, intermediate maturity, with medium to short plant height. Being improved for ear rot resistance.

Maíz amarillo templado subtropical, grano cristalino, madurez intermedia, planta de mediana a corta altura. Esta siendo mejorado para resistencia a la pudrición de la mazorca.

**34 Blanco Subtropical**

Subtropical, broad genetic base including germplasm from Cuban Flints, ETO, Tuxpeño, Corn Belt Dent, India, and Nepal. Late maturity, semi-flint grain, relatively tall plants. Being improved for reduced plant height and resistance to foliar diseases.

Maíz subtropical de amplia base genética, que incluye germoplasma de Cristalinos Cubanos, ETO, Tuxpeño, dentado de la faja maicera y materiales de India y Nepal. Madurez tardía, grano semicristalino plantas relativamente altas. Está siendo mejorado para altura reducida de la planta y resistencia a enfermedades foliares.

**36 Cogollero**

Tropical-subtropical, yellow-reddish, semiflint to semident, intermediate to late maturity, tall plants. A broad genetic base derived from Caribbean Composite. Being improved for reduced plant height.

Maíz tropical-subtropical; con grano amarillo rojizo, de semicristalino a semidentado; madurez intermedia a tardía; plantas altas. Base genética amplia derivada de Compuesto del Caribe. Está siendo mejorada para la altura reducida de la planta.

**42 ETO Illinois**

Subtropical white semi-dent late maturity. Advanced generation of short plant selected ETO with Illinois stocks. Segregating for resistance (major genes) to *Puccinia polysora* and *H. turcicum*. Being improved for resistance to foliar diseases and reduced plant height.

Maíz blanco subtropical, semidentado. Generación avanzada de ETO seleccionado con respecto a planta baja con materiales de Illinois. Segrega para resistencia (genes mayores) a *Puccinia polysora* y *H. turcicum*. Está siendo mejorado para resistencia a enfermedades foliares y altura reducida de la planta.

**43 La Posta**

Tropical white dent, Tuxpeño synthetic. Fairly late. Large and vigorous plants. Being improved for resistance to streak virus.

Maíz tropical sintético Tuxpeño de grano blanco dentado. Un tanto tardío. De plantas grandes y vigorosas. Está siendo mejorado para la resistencia al virus del rayado africano.

**44 AED Tuxpeño**

Advanced generation of American Early (from Egypt) with short plant Tuxpeño material. Fairly tall, late, white, dent. Quite susceptible to leaf diseases and ear rots, but capable of very high yields under favorable conditions. Being improved for resistance to leaf diseases and reduced plant height.

Generación avanzada del maíz American Early (de Egipto) con material de Tuxpeño planta baja. Tiene grano blanco dentado. Es un tanto alto y tardío. Bastante susceptible a las enfermedades foliares, pudrición de la mazorca, etc., pero, bajo condiciones

favorables, tiene una alta capacidad de rendimiento. Está siendo mejorado para resistencia a las enfermedades de la hoja y altura reducida de la planta.

**45 Amarillo Bajío**

Subtropical-temperate, intermediate maturity, yellow, dent. Broad germplasm base, derived from crosses among lowland tropical maize types from Mexico and the Caribbean Islands and Corn Belt dents from USA. Being improved for resistance to ear rots.

Población amarilla dentada de ciclo intermedio para zonas subtropicales templadas. Amplia base de germoplasma, derivada de cruces entre tipos de maíz tropical de las áreas bajas de México y las Islas del Caribe y dentados de la faja maicera de EUA. Está siendo mejorado para resistencia a la pudrición de la mazorca.

**46 Templado Amarillo  
Cristalino**

A subtropical-temperate, early maturity, and yellow, flint grain population with a wide genetic base. Emphasis is on ear rot resistance.

Una población subtropical-templada, con madurez precoz, y grano amarillo cristalino con una amplia base genética. Se hace énfasis en la resistencia a la pudrición de la mazorca.

**47 Templado Blanco  
Dentado**

Temperate/subtropical, white dent, intermediate maturity. Short plant type. Being improved for South Western corn borer (*Diatraea grandiosella*) resistance.

Maíz templado/subtropical, blanco dentado, madurez intermedia. Tipo de planta corta. Está siendo mejorado para resistencia al barrenador del maíz de Sur Oeste (*Diatraea grandiosella*).

**48 Compuesto de Hungría**

Temperate yellow dent, early maturity. Essentially central US Corn Belt type material with a mixture of southern European germplasm. Being improved for stalk rot resistance.

Maíz templado de grano amarillo dentado y madurez precoz. Material esencialmente de la parte central de la faja maicera de los EUA, con mezcla de germoplasma del sur de Europa. Está siendo mejorado para resistencia a la pudrición del tallo.

**49 Blanco Dentado-2**

Tropical-subtropical white dent, intermediate maturity. Plant height considerably reduced, maturity earlier than genetically related population Tuxpeño 1 (Pop. 21).

Maíz tropical-subtropical con grano dentado blanco, madurez intermedia. La altura de planta ha sido considerablemente reducida y la madurez es más precoz que la genéticamente emparentada a la población Tuxpeño 1 (Pop. 21).

**61 Early Yellow Flint QPM**

Tropical-subtropical early maturity, yellow flint, semi-flint, 70-80% more lysine and tryptophan in protein in the whole grain as compared to the normal maize.

Maíz tropical-subtropical, su madurez es precoz, el grano es amarillo cristalino y semicristalino. Contiene 70-80% más de lisina y triptofano, en comparación con el maíz normal.

**62 White Flint QPM  
(Formerly 40)**

Tropical White semi-flint grain, intermediate in height and late in maturity. A broad genetic base. The levels of protein and tryptophan and lysine in protein in the whole grain are 9.50/o, 0.980/o and 3.80/o respectively.

Maíz tropical con grano semi-cristalino, base genética amplia, con grano semi-cristalino, altura intermedia y madurez tardía. Los niveles de proteína total y triptofano y lisina en la proteína de todo el grano son de 9.50/o, 0.980/o y 3.80/o respectivamente.

**63 Blanco Dentado-1 QPM**

Tropical-subtropical white dent, intermediate plant height, and late maturity. Protein content in the whole grain ranges from 9-100/o with tryptophan and lysine levels in protein of 0.970/o and 3.970/o, respectively.

Maíz tropical-subtropical, con grano blanco dentado, altura intermedia y madurez tardía. El contenido de proteína en todo el grano varía de 9 a 100/o con niveles de triptofano y lisina en proteína de 0.970/o y 3.970/o respectivamente.

**64 Blanco Dentado-2 QPM**

Tropical white, dent, late maturity, has intermediate plant height. It has 9-100/o protein in the whole grain with protein quality quite superior to that of normal maize.

Maíz tropical blanco dentado, madurez tardía, tiene una altura intermedia. Contiene 9-100/o de proteína en todo el grano y tiene calidad proteínica superior a la del maíz normal.

**65 Yellow Flint QPM  
(Formerly 39)**

Tropical-subtropical, yellow, semiflint modified kernels, intermediate in maturity and plant height. It has 0.900/o tryptophan and 4.70/o lysine at a protein level of 9-100/o in the whole grain.

Maíz tropical-subtropical, tiene granos modificados amarillos semi-cristalinos, de madurez y altura intermedios. Tiene 0.900/o de triptofano y 4.70/o de lisina y un nivel de proteína de 9 a 100/o en todo el grano.

**66 Yellow Dent QPM**

Tropical-subtropical, late maturity, yellow dent. Protein quality at least 60-700/o superior to that of normal maize.

Maíz tropical-subtropical, madurez tardía, grano amarillo dentado. Contiene una calidad proteínica que es por lo menos 60-700/o superior a la del maíz normal.

**67 Templado Blanco  
Cristalino QPM**

Subtropical intermediate maturity and plant height, white flint to semiflint kernel. Grain has approximately twice as much lysine and tryptophan as normal maize.

Maíz subtropical de madurez y altura intermedia de la planta, grano blanco cristalino y semi-cristalino. El grano tiene aproximadamente el doble de lisina y triptofano que el maíz normal.

**68 Templado Blanco  
Dentado QPM**

Subtropical, white, dent-semident, medium plant height and intermediate in maturity. The genetic base of this population is composed of 30-40% temperate and 60-70% tropical germplasm. It has 0.91% tryptophan and 4.10% lysine at a protein level of 10-11% in the whole grain.

Maíz subtropical blanco, dentados a semi-dentados, altura media de la planta y madurez intermedia. La base genética de esta población consiste de un 30 a 40% de germoplasma templado y de un 60 a 70% de germoplasma tropical. Tiene 0.91% de triptofano y 4.10% de lisina en un nivel de proteína de 10 a 11% en todo el grano.

**69 Templado Amarillo QPM  
(Formerly 41)**

Subtropical yellow, flint, medium plant height and late-intermediate in maturity. It is a broad genetic base material with 30-40% temperate and 60-70% tropical germplasm. Almost double the levels of lysine and tryptophan in protein in the whole grain as compared to the normal maize.

Maíz subtropical amarillo-cristalino, altura intermedia y madurez tardía intermedia. Es un material con amplia base genética con un 30 a 40% de germoplasma templado y un 60 a 70% tropical. Casi dobla los niveles de lisina y triptofano en proteína en todo el grano comparado con el maíz normal.

**70 Templado Amarillo  
Dentado QPM**

Subtropical, yellow dent, late-intermediate maturity, good plant type. It has broad genetic base. Protein quality substantially superior to that of normal maize.

Maíz subtropical amarillo dentado, madurez tardía intermedia, buen tipo de planta. Tiene una amplia base genética. El contenido de calidad de proteína es superior a la del maíz normal.



**Characters and Abbreviations in the Data Tables\***  
(Características y Abreviaturas de Datos de los Cuadros)\*

The characters as reported in the tables are given in parentheses.

Las características, según se dan en los cuadros, están entre paréntesis.

- |                               |   |
|-------------------------------|---|
| (1) Yield (kg/ha):            | In kilograms per hectare corrected to 15% moisture when grain moisture is reported. A shelling percentage of 80% is assumed when yield is reported as ear weight.               |
| Rendimiento:                  | En kilos por hectárea a 15% de humedad cuando se informa del contenido de humedad y un porcentaje de 80% desgranado, cuando se informa del rendimiento como peso de la mazorca. |
| (2) Rank (Rank):              | The numerical position of the progeny when yields are arranged from highest to lowest.  |
| Rango:                        | Corresponde a la posición numérica de la progenie cuando los rendimientos se ordenan de manera decreciente.   |
| (3) Days to Silk (Days Silk): | The number of days to when 50% of plants have silks. Data rounded to whole numbers.   |
| Días a floración:             | El número de días en que el 50% de las plantas tiene estigmas. Datos proporcionados en números redondos.  |
| (4) Plant Height (Plnt.Ht):   | Average height of plants, in centimeters, as measured from the base of the plant to where tassel branching begins. Data presented in whole numbers.                             |
| Altura de planta:             | Altura media de plantas, en centímetros, medida de la base de la planta al comienzo de la ramificación de la espiga. Datos presentados en números redondos.                     |
| (5) Ear Height (Ear Ht):      | Average height of the ears, in centimeters, from the base of the plant to the node bearing the upper ear. Data reported in whole numbers.                                       |
| Altura de mazorca:            | Altura media de las mazorcas, en cm de la base de la planta al nudo que porta la mazorca más alta. Datos presentados en números redondos.                                       |
| (6) Stem Lodging (Stem Lodg): | The percentage of plants that are stalk lodged. Data reported to one decimal place.   |

\* For additional information on collection of trial data, refer to *Managing Trials and Reporting Data for CIMMYT's International Maize Testing Program*, a booklet available from the Center's headquarters in Mexico.

Para mayor información sobre la recolección de los datos de ensayos, ver *Manejo de Ensayos e Informe de Datos para el Programa de Ensayos Internacionales de Maíz del CIMMYT*, un folleto que se puede conseguir en la sede del Centro en México.

- Acame de tallo: Porcentaje de plantas cuyo tallo se cae. Datos reportados en número entero con un decimal.
- (7) Root Lodging (Root Ldg): The percentage of plants that are root lodged. Data presented to one decimal place.
- Acame de raíz: Porcentaje de plantas acamadas desde la raíz. Datos presentados en número entero con un decimal.
- (8) o/o Ear Rot (o/o Ear Rot): The percentage of ears affected by ear rots. Data presented to one decimal place.
- o/o Pudrición de mazorcas: Porcentaje de mazorcas afectadas por pudrición. Datos presentados con un número decimal.
- Ear Rot: Scored from 1 to 5. A score of 1.0 indicates the ears have no ear rot, while 5.0 indicates the ears are heavily rotted.
- Pudrición de mazorcas: Calificado en escala de 1 a 5. Una calificación de 1.0 indica que no hubo pudrición de mazorcas, mientras que una calificación de 5.0 indica severa pudrición de mazorcas.
- (9) Ear Aspect (Ear Aspct): Scored on the basis of 1 to 5. A score of 1.0 indicates that the harvested ears are free from disease and insect damage, ear size is uniform, grain filling good, etc. A score of 5.0 indicates that ears are poor on the basis of this evaluation. Data presented to one decimal place.
- Aspecto de las mazorcas: Calificado en escala de 1 a 5. Una calificación de 1.0 indica que las mazorcas cosechadas estuvieron libres de enfermedades y de insectos, que el tamaño fué uniforme, buen llenado de grano, etc. Una calificación de 5 indica que las mazorcas fueron deficientes según esta evaluación. Datos presentados en número entero con un decimal.
- (10) Endosperm Hardness (Endo Hard): Only reported for QPM material trials. Scored on the basis of 1 to 5. A score of 1.0 indicates ears have hard grains; a score of 5.0 indicates soft grains. Data presented to one decimal place.
- Dureza del endospermo: Datos indicados para ensayos de materiales opacos. Calificación sobre escala de 1 a 5. Una calificación de 1 indica que las mazorcas tienen granos duros; una calificación de 5 indica granos suaves. Datos presentados en número entero con un decimal.
- (11) Husk cover (Husk cover): Scored on the basis of 1 to 5. A score of 1.0 indicates good husk cover. A score of 5.0 indicates poor husk cover.
- Percent Bad Husk Cover (o/o Bad H.C.): The number of ears with poor husk cover expressed as percent of total ears harvested.
- Cubrimiento de mazorca: Calificada en escala de 1 a 5. Uno indica cubrimiento bueno. Cinco indica cubrimiento malo.
- Porcentaje de mal cubrimiento de mazorca: El número de plantas con mal cubrimiento de mazorca calculado en porcentaje del total de plantas cosechadas.

(12) Plants Harvested (Plants Harv): Total number of plants harvested per plot.

Plantas cosechadas: Número total de plantas cosechadas por parcela.

(13) Percent Moisture (Moist %): Percent moisture in the grain at harvest.

Porcentaje de humedad: Porcentaje de humedad en los granos al cosecharse.

(14) Diseases and Pests:  
Enfermedades y plagas:

|                                  |             |
|----------------------------------|-------------|
| <i>Helminthosporium maydis</i>   | (Helm mayd) |
| <i>Helminthosporium turcicum</i> | (Helm turc) |
| <i>Helminthosporium</i>          | (Helm)      |
| <i>Puccinia polysora</i>         | (Pucc poly) |
| <i>Puccinia sorghi</i>           | (Pucc sorg) |
| <i>Puccinia</i>                  | (Pucc)      |
| <i>Physopella</i>                | (Physo)     |
| <i>Curvularia</i>                | (Curv)      |
| <i>Phyllachora</i>               | (Phyll)     |
| <i>Physoderma</i>                | (Phys)      |
| Virus                            | (Virus)     |
| <i>Cephalosporium</i>            | (Ceph)      |
| <i>Sclerophthora rayssiae</i>    | (Scler ray) |
| Leaf disease (Enfermedad foliar) | (Lf Dis)    |
| <i>Spodoptera</i>                | (Spodo)     |
| Borer (Horadador)                | (Borer)     |
| Aphid (Aphis)                    | (Aphid)     |
| <i>Heliothis</i>                 | (Helio)     |

Above diseases/pests scored on the scale of 1 to 5. A score of 1.0 indicates free from disease, and 5.0 indicates very heavily infested/infected. Data presented to one decimal place.

Las enfermedades se calificaron sobre una escala de 1 a 5. Una calificación de 1.0 indica libre de enfermedades, un 5.0 indica fuerte infestación/infección. Datos presentados con un número de decimal.

Bacteria (Bact) The percentage of plants affected by disease-pest. Data presented to one decimal place.  
Stalk rot (Stalk rot)  
Stunt (Stunt)  
Streak (Streak)  
Downy Mildew (D.M.)  
Borer (Borer)

Bacterias Porcentaje de plantas afectadas por enfermedad de plagas. Datos presentados en número entero con un decimal.  
Pudrición tallo  
Achaparramiento  
Virus  
Mildíu  
Horadador

**Tables Summarizing Final 1984 Results  
International Progeny Testing Trials (IPTTs)**  
(Resumen de los resultados finales  
de los Ensayos Internacionales de Prueba de Progenie (IPTT), 1984)

**List of Tables**  
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TABLE: 53-P-84

POPULATION: MEZCLA TROP BLANCA

TRIAL: IPTT 22

LOCATION: PALMIRA

COLOMBIA

EXP. VARIETY: PALMIRA 8422

ICÓ-OPERATOR: ING. JOSE EVER VARGAS, ICA-CNIA, PALMIRA.

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | ROOT<br>LOJG | %EAR<br>RCT  | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------|---------------|--------|--------------|-------------|------------|--------------|--------------|--------------|----------------|--------------|-----------------|---------------|
| 81         | 8302          | 6      | 57           | 213         | 114        | 4.8          | 9.0          | 2.0          | 21.0           | 2.5          | 2.0             | 1.2           |
| 112        | 8312          | 5      | 55           | 208         | 103        | 2.8          | 7.9          | 2.0          | 19.0           | 2.5          | 2.5             | 1.0           |
| 136        | 8218          | 7      | 67           | 212         | 93         | 0.0          | 10.4         | 1.5          | 20.5           | 2.5          | 2.5             | 1.2           |
| 144        | 7581          | 18     | 66           | 204         | 114        | 0.0          | 19.1         | 2.0          | 21.5           | 3.5          | 2.5             | 1.0           |
| 166        | 7605          | 15     | 66           | 224         | 104        | 0.0          | 13.8         | 3.0          | 18.5           | 3.0          | 2.5             | 1.1           |
| 177        | 7649          | 12     | 67           | 221         | 111        | 0.0          | 13.8         | 2.0          | 22.0           | 3.5          | 2.5             | 1.0           |
| 194        | 9227          | 1      | 59           | 223         | 114        | 0.0          | 13.5         | 2.0          | 20.0           | 3.0          | 2.0             | 1.3           |
| 201        | 7714          | 11     | 65           | 214         | 104        | 0.0          | 10.1         | 2.0          | 21.5           | 4.0          | 2.0             | 1.2           |
| 249        | 7547          | 20     | 63           | 217         | 110        | 2.5          | 10.2         | 2.0          | 20.5           | 3.0          | 2.0             | 1.2           |
| SEL MEAN   | 8017          | -      | 57           | 215         | 107        | 1.1          | 11.9         | 2.1          | 20.5           | 3.1          | 2.3             | 1.1           |
| POP MEAN   | 6227          | -      | 66           | 213         | 108        | 5.6          | 12.2         | 2.1          | 18.7           | 3.5          | 2.7             | 1.1           |
| POP RANGE  | 9227-<br>3673 | -<br>- | 70-<br>64    | 250-<br>171 | 135-<br>80 | 76.9-<br>0.0 | 37.1-<br>1.3 | 3.5-<br>1.0  | 23.0-<br>10.0  | 4.5-<br>2.0  | 4.0-<br>1.5     | 3.6-<br>0.9   |
| CHECK MEAN | 5567          | -      | 57           | 219         | 116        | 14.4         | 11.3         | 2.0          | 13.9           | 3.3          | 2.8             | 1.3           |
| BEST CHECK | 5037          | -      | 59           | 236         | 139        | 0.0          | 7.9          | 2.0          | 18.5           | 2.5          | 2.0             | 1.2           |
| C.V.       | 17.3          |        | 6.6          | 6.3         | 10.5       |              |              |              |                |              |                 |               |
| 5% LSD     | 2122.8        |        | 3.6          | 26.3        | 22.3       |              |              |              |                |              |                 |               |

BEST CHECK: ICA-M260

OTHER CHECKS: ICA-M211, MTB-DIV. POB-H, MB 237, MB 237 SIN S1, MB 237 SIN

TABLE: 54-P-84

POPULATION: MEZCLA TRJP BLANCA

TRIAL: IPTT 22

LOCATION : GUAYABAL ARAGUA VENEZUELA

EXP. VARIETY: GUAYABAL 8422

9CD-OPERATOR: OSCAR DE CORDOVA

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT  | LEAF<br>CIS. | ENDD<br>HARD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. |
|------------|---------------|--------|--------------|-------------|------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
| 7          | 7939          | 9      | 61           | 179         | 90         | 5.0          | 0.0          | 0.0          | 2.5          | 3.0          | 19.5           | 3.0          | 2.3          |
| 13         | 8001          | 7      | 60           | 204         | 94         | 0.0          | 5.0          | 0.0          | 4.0          | 3.5          | 21.0           | 3.0          | 4.7          |
| 55         | 8924          | 1      | 60           | 189         | 91         | 0.0          | 0.0          | 0.0          | 2.5          | 4.0          | 20.5           | 3.0          | 7.1          |
| 72         | 8058          | 5      | 62           | 186         | 99         | 0.0          | 0.0          | 0.0          | 3.0          | 4.5          | 21.0           | 3.0          | 7.0          |
| 77         | 7922          | 10     | 59           | 190         | 82         | 4.8          | 5.0          | 0.0          | 3.0          | 3.5          | 20.5           | 2.0          | 2.3          |
| 92         | 8679          | 2      | 60           | 196         | 86         | 0.0          | 0.0          | 0.0          | 3.0          | 3.0          | 22.0           | 3.5          | 8.2          |
| 98         | 7966          | 8      | 60           | 199         | 91         | 0.0          | 0.0          | 2.0          | 3.0          | 2.5          | 22.0           | 3.0          | 10.3         |
| 142        | 8054          | 6      | 60           | 195         | 98         | 4.8          | 0.0          | 9.2          | 3.5          | 3.0          | 21.5           | 3.5          | 4.5          |
| 166        | 7885          | 11     | 60           | 190         | 94         | 0.0          | 0.0          | 2.3          | 4.0          | 3.0          | 20.5           | 3.0          | 9.1          |
| 172        | 8092          | 4      | 62           | 201         | 94         | 4.9          | 0.0          | 2.2          | 3.0          | 4.0          | 20.5           | 4.0          | 6.7          |
| SEL MEAN   | 8152          | -      | 60           | 192         | 92         | 2.0          | 1.0          | 1.6          | 3.2          | 3.4          | 20.9           | 3.1          | 6.2          |
| POP MEAN   | 6226          | -      | 61           | 190         | 94         | 1.9          | 1.5          | 3.6          | 3.3          | 3.3          | 19.3           | 2.5          | 11.9         |
| POP RANGE  | 8924-<br>3305 | -<br>- | 66-<br>55    | 234-<br>157 | 120-<br>65 | 17.5-<br>0.0 | 25.9-<br>0.0 | 48.0-<br>0.0 | 4.0-<br>2.0  | 4.5-<br>2.0  | 23.0-<br>12.0  | 4.0-<br>1.5  | 64.5-<br>0.0 |
| CHECK MEAN | 4914          | -      | 63           | 211         | 115        | 1.5          | 1.0          | 1.5          | 3.7          | 3.0          | 15.4           | 2.2          | 2.7          |
| BEST CHECK | 5565          | -      | 64           | 211         | 111        | 0.0          | 0.0          | 4.2          | 3.5          | 4.0          | 17.0           | 2.0          | 6.9          |
| C.V.       | 9.9           |        | 1.2          | 3.8         | 5.8        |              |              |              |              |              |                |              |              |
| 5% LSD     | 1209.4        |        | 1.4          | 14.2        | 10.6       |              |              |              |              |              |                |              |              |

BEST CHECK: CENIAP PB-2

OTHER CHECKS: CENIAP 69, DBREGON, CENIAP-DMR, ARICHUNA, FM6

TABLE: 55-P-84

POPULATION: MEZCLA TROP BLANCA

TRIAL: IPTT 22

LOCATION : GWEBI

ZIMBABWE

EXP. VARIETY: GWEBI (1) 8422

SCO-OPERATOR:R.C. OLVER

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT   | STEM<br>LODG | ROOT<br>LODG | YEAR<br>ROT  | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT |
|------------|---------------|------|--------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|----------------|---------------|-----------------|
| 32         | 8449          | 6    | 79           | 250         | 130         | 2.3          | 4.5          | 17.8         | 2.0           | 2.5          | 22.0           | 1.5           | 3.0             |
| 9          | 8636          | 4    | 82           | 275         | 155         | 18.2         | 0.0          | 4.3          | 2.5           | 2.5          | 22.0           | 1.0           | 3.0             |
| 52         | 7913          | 8    | 77           | 243         | 128         | 0.0          | 0.0          | 11.2         | 1.5           | 1.5          | 22.0           | 1.0           | 3.0             |
| 250        | 7939          | 7    | 77           | 238         | 140         | 4.5          | 0.0          | 1.9          | 2.0           | 1.0          | 22.0           | 1.5           | 3.0             |
| 79         | 7505          | 13   | 77           | 240         | 140         | 9.1          | 0.0          | 7.0          | 1.5           | 2.5          | 21.0           | 1.0           | 3.5             |
| 211        | 7856          | 9    | 77           | 275         | 148         | 0.0          | 4.5          | 18.9         | 1.0           | 1.5          | 21.0           | 1.5           | 2.0             |
| 135        | 7645          | 10   | 77           | 243         | 143         | 2.3          | 0.0          | 8.7          | 1.5           | 1.5          | 22.0           | 1.0           | 3.0             |
| 72         | 7545          | 12   | 77           | 255         | 155         | 6.8          | 2.3          | 13.3         | 1.0           | 3.0          | 22.0           | 1.5           | 3.0             |
| 10         | 7639          | 11   | 77           | 248         | 140         | 0.0          | 0.0          | 11.2         | 2.0           | 2.5          | 21.0           | 1.0           | 2.5             |
| 22         | 7222          | 18   | 77           | 250         | 133         | 0.0          | 0.0          | 7.3          | 1.0           | 3.0          | 20.5           | 1.0           | 3.0             |
| 117        | 7395          | 15   | 77           | 253         | 140         | 2.3          | 4.5          | 10.3         | 1.0           | 2.0          | 22.0           | 1.0           | 3.5             |
| 228        | 7354          | 16   | 77           | 268         | 153         | 12.4         | 2.6          | 4.8          | 2.0           | 1.5          | 20.5           | 1.5           | 3.5             |
| SEL MEAN   | 7758          | -    | 78           | 253         | 142         | 4.8          | 1.5          | 9.7          | 1.6           | 2.1          | 21.5           | 1.2           | 3.0             |
| POP MEAN   | 5550          | -    | 77           | 247         | 140         | 15.6         | 1.2          | 13.0         | 1.4           | 2.5          | 20.0           | 1.3           | 3.5             |
| POP RANGE  | 8636-<br>1924 | -    | 82-<br>75    | 280-<br>210 | 188-<br>100 | 67.2-<br>0.0 | 18.7-<br>0.0 | 40.1-<br>0.0 | 2.5-<br>1.0   | 4.5-<br>1.0  | 22.0-<br>13.0  | 2.0-<br>1.0   | 5.0-<br>1.5     |
| CHECK MEAN | 8978          | -    | 73           | 265         | 148         | 13.4         | 1.9          | 15.8         | 1.5           | 1.1          | 20.0           | 1.3           | 2.6             |
| BEST CHECK | 11835         | -    | 72           | 290         | 170         | 0.0          | 0.0          | 12.5         | 1.5           | 1.0          | 21.0           | 1.0           | 2.5             |
| C.V.       | 13.5          |      | 1.2          | 4.7         | 8.2         |              |              |              |               |              |                |               |                 |
| 5% LSD     | 1477.1        |      | 1.8          | 23.1        | 22.5        |              |              |              |               |              |                |               |                 |

BEST CHECK: ZS-107

OTHER CHECKS: ZS-206, ZS-225, SR-52, R-201, ZS-202



TABLE: 56-P-84

POPULATION: MEZCLA TROP BLANCA

TRIAL: IPTT 22

LOCATION : GWEBI

ZIMBABWE

EXP. VARIETY: GWEBI 8422

SCO-OPERATOR:R.C. OLVER

| PRDG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT   | STEM<br>LODG | RODT<br>LODG | %EAR<br>ROT  | HUSK<br>CGVER | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT |
|------------|---------------|------|--------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|----------------|---------------|-----------------|
| 10         | 7639          | 11   | 77           | 248         | 140         | 0.0          | 0.0          | 11.2         | 2.0           | 2.5          | 21.0           | 1.0           | 2.5             |
| 22         | 7222          | 18   | 77           | 250         | 133         | 0.0          | 0.0          | 7.3          | 1.0           | 3.0          | 20.5           | 1.0           | 3.0             |
| 32         | 8449          | 6    | 79           | 250         | 130         | 2.3          | 4.5          | 17.8         | 2.0           | 2.5          | 22.0           | 1.5           | 3.0             |
| 52         | 7913          | 8    | 77           | 243         | 128         | 0.0          | 0.0          | 11.2         | 1.5           | 1.5          | 22.0           | 1.0           | 3.0             |
| 72         | 7545          | 12   | 77           | 255         | 155         | 6.8          | 2.3          | 13.3         | 1.0           | 3.0          | 22.0           | 1.5           | 3.0             |
| 79         | 7505          | 13   | 77           | 240         | 140         | 9.1          | 0.0          | 7.0          | 1.5           | 2.5          | 21.0           | 1.0           | 3.5             |
| 117        | 7395          | 15   | 77           | 253         | 140         | 2.3          | 4.5          | 10.3         | 1.0           | 2.0          | 22.0           | 1.0           | 3.5             |
| 135        | 7645          | 10   | 77           | 243         | 143         | 2.3          | 0.0          | 8.7          | 1.5           | 1.5          | 22.0           | 1.0           | 3.0             |
| 250        | 7939          | 7    | 77           | 238         | 140         | 4.5          | 0.0          | 1.9          | 2.0           | 1.0          | 22.0           | 1.5           | 3.0             |
| SEL MEAN   | 7695          | -    | 77           | 246         | 139         | 3.0          | 1.3          | 9.9          | 1.5           | 2.2          | 21.6           | 1.2           | 3.1             |
| POP MEAN   | 5550          | -    | 77           | 247         | 140         | 15.6         | 1.2          | 13.0         | 1.4           | 2.5          | 20.0           | 1.3           | 3.5             |
| POP RANGE  | 8636-<br>1924 | -    | 82-<br>75    | 280-<br>210 | 188-<br>100 | 67.2-<br>0.0 | 18.7-<br>0.0 | 40.1-<br>0.0 | 2.5-<br>1.0   | 4.5-<br>1.0  | 22.0-<br>13.0  | 2.0-<br>1.0   | 5.0-<br>1.5     |
| CHECK MEAN | 8978          | -    | 73           | 265         | 148         | 13.4         | 1.9          | 15.8         | 1.5           | 1.1          | 20.0           | 1.3           | 2.6             |
| BEST CHECK | 11835         | -    | 72           | 290         | 170         | 0.0          | 0.0          | 12.5         | 1.5           | 1.0          | 21.0           | 1.0           | 2.5             |
| C.V.       | 13.5          |      | 1.2          | 4.7         | 8.2         |              |              |              |               |              |                |               |                 |
| 5% LSD     | 1477.1        |      | 1.8          | 23.1        | 22.5        |              |              |              |               |              |                |               |                 |

BEST CHECK:ZS-107

OTHER CHECKS:ZS-206, ZS-225, SR-52, R-201, ZS-202

TABLE: 57-P-84

POPULATION: MEZCLA TROP BLANCA

TRIAL: IPTT 22

LOCATION : SUWAN

THAILAND

EXP. VARIETY: SUWAN 8422

ICO-OPERATOR: DR. CHAMNAN CHUTKAEW

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | LEAF<br>DIS. | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|--------------|--------------|---------------|----------------|--------------|-----------------|
| 7          | 8576          | 3    | 53           | 195         | 100        | 4.7          | 14.0         | 0.0          | 2.0          | 2.0           | 21.5           | 2.0          | 2.5             |
| 13         | 8424          | 5    | 54           | 190         | 93         | 2.3          | 9.1          | 0.0          | 3.0          | 2.5           | 22.0           | 2.5          | 2.5             |
| 56         | 8977          | 1    | 54           | 208         | 98         | 30.7         | 14.0         | 0.0          | 2.5          | 2.0           | 21.5           | 1.5          | 2.5             |
| 58         | 8115          | 20   | 54           | 195         | 100        | 2.3          | 14.3         | 0.0          | 2.0          | 2.5           | 21.0           | 2.0          | 2.0             |
| 80         | 8250          | 13   | 54           | 190         | 95         | 4.5          | 11.4         | 2.2          | 2.5          | 3.0           | 22.0           | 2.0          | 2.5             |
| 136        | 8025          | 23   | 55           | 208         | 98         | 20.5         | 9.1          | 0.0          | 2.5          | 2.0           | 22.0           | 2.5          | 2.5             |
| 154        | 9011          | 24   | 55           | 173         | 90         | 6.8          | 9.1          | 0.0          | 2.0          | 2.5           | 22.0           | 2.5          | 2.0             |
| 173        | 8248          | 14   | 55           | 210         | 95         | 9.5          | 14.3         | 2.3          | 2.0          | 2.0           | 21.0           | 2.0          | 3.0             |
| 242        | 8393          | 7    | 56           | 190         | 100        | 52.3         | 13.6         | 4.6          | 2.5          | 2.5           | 22.0           | 2.5          | 2.5             |
| 249        | 8559          | 4    | 54           | 208         | 105        | 25.0         | 11.4         | 2.3          | 2.0          | 3.0           | 22.0           | 1.5          | 2.0             |
| SEL MEAN   | 8358          | -    | 54           | 197         | 96         | 15.9         | 12.0         | 1.1          | 2.3          | 2.4           | 21.7           | 2.1          | 2.4             |
| POP MEAN   | 6618          | -    | 54           | 193         | 97         | 19.2         | 12.4         | 2.4          | 2.6          | 2.6           | 21.0           | 2.7          | 2.6             |
| POP RANGE  | 8977-<br>4332 | -    | 58-<br>52    | 240-<br>150 | 138-<br>68 | 64.0-<br>0.0 | 18.8-<br>9.1 | 21.4-<br>0.0 | 4.0-<br>2.0  | 4.0-<br>2.0   | 22.0-<br>14.5  | 4.0-<br>1.5  | 4.0-<br>2.0     |
| CHECK MEAN | 5913          | -    | 53           | 204         | 102        | 25.4         | 12.8         | 3.9          | 3.5          | 2.7           | 19.9           | 3.3          | 3.3             |
| BEST CHECK | 6699          | -    | 53           | 223         | 102        | 11.4         | 12.1         | 0.0          | 3.0          | 3.0           | 20.5           | 3.0          | 3.0             |
| C.V.       | 12.0          |      | 1.9          | 7.4         | 12.0       |              |              |              |              |               |                |              |                 |
| 5% LSC     | 1607.9        |      | 2.1          | 28.4        | 23.0       |              |              |              |              |               |                |              |                 |

BEST CHECK: CARIPEND DMR (S)C5

OTHER CHECKS: THAI COMP.3 (S)C5, THAI COMP.3-4-F6, SUWAN 1 (S)C8-F3, SUWA



TABLE: 59-P-84

POPULATION: ANT X VER 181

TRIAL: IPTT 24

LOCATION : PIURA

PERU

EXP. VARIETY: PIURA 8424

ICQ-OPERATOR: M. NEVADO B, PCIM-UNA

| PROG<br>NO | KG/HA          | RANK | PLNT<br>HT  | EAR<br>HT  | %EAR<br>ROT  | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|----------------|------|-------------|------------|--------------|----------------|---------------|
| 19         | 8918           | 19   | 184         | 100        | 7.1          | 18.0           | 1.6           |
| 22         | 10790          | 2    | 192         | 101        | 7.7          | 18.5           | 1.4           |
| 35         | 9817           | 5    | 185         | 103        | 3.2          | 17.5           | 1.5           |
| 90         | 10008          | 4    | 200         | 104        | 2.8          | 21.0           | 1.0           |
| 97         | 9707           | 7    | 188         | 96         | 8.0          | 19.0           | 1.3           |
| 103        | 9410           | 12   | 207         | 113        | 3.4          | 17.5           | 1.3           |
| 192        | 9287           | 13   | 196         | 106        | 8.3          | 20.5           | 1.0           |
| 200        | 11511          | 1    | 196         | 102        | 6.0          | 20.0           | 1.2           |
| 213        | 8983           | 18   | 186         | 101        | 3.7          | 17.0           | 1.3           |
| 230        | 10296          | 3    | 214         | 122        | 6.8          | 21.5           | 1.0           |
| SEL MEAN   | 9873           | -    | 194         | 105        | 5.7          | 19.0           | 1.3           |
| POP MEAN   | 7284           | -    | 206         | 112        | 11.9         | 16.9           | 1.1           |
| POP RANGE  | 11511-<br>3950 | -    | 235-<br>169 | 140-<br>89 | 41.5-<br>0.0 | 21.5-<br>11.5  | 1.7-<br>0.7   |
| CHECK MEAN | 4461           | -    | 216         | 117        | 11.2         | 10.8           | 1.2           |
| BEST CHECK | 8162           | -    | 220         | 116        | 12.0         | 20.0           | 1.3           |
| C.V.       | 18.6           |      | 6.8         | 10.2       |              | 15.2           |               |
| 5% LSD     | 2663.9         |      | 27.7        | 22.4       |              | 5.1            |               |

BEST CHECK: PM-102

OTHER CHECKS: PM-701, PIURA 81-77, PIURA 81-3, PIURA 81-21, PIURA 81-8

TABLE: 60-P-84

POPULATION: ANT X VER 181

TRIAL: IPTT 24

LOCATION: PIURA

PERU

EXP. VARIETY: PIURA (1) 8424

ICO-OPERATOR: M NEVADO B, PCIM-UNA

| PROC NO    | KG/HA          | RANK   | PLNT HT     | EAR HT     | %EAR ROT     | PLANTS HARV   | EARS/ PLNT  |
|------------|----------------|--------|-------------|------------|--------------|---------------|-------------|
| 200        | 11511          | 1      | 196         | 102        | 6.0          | 20.0          | 1.2         |
| 90         | 10008          | 4      | 200         | 104        | 2.8          | 21.0          | 1.0         |
| 230        | 10296          | 3      | 214         | 122        | 6.8          | 21.5          | 1.0         |
| 170        | 9683           | 9      | 215         | 130        | 13.9         | 18.5          | 1.0         |
| 71         | 9710           | 6      | 207         | 101        | 13.5         | 19.5          | 1.1         |
| 103        | 9410           | 12     | 207         | 113        | 3.4          | 17.5          | 1.3         |
| 192        | 9287           | 13     | 196         | 106        | 8.3          | 20.5          | 1.0         |
| 117        | 8566           | 36     | 207         | 118        | 5.1          | 17.5          | 1.1         |
| 165        | 7837           | 79     | 204         | 107        | 3.8          | 17.0          | 0.9         |
| 228        | 8626           | 31     | 216         | 120        | 10.8         | 18.5          | 1.0         |
| SEL MEAN   | 9493           | -      | 206         | 112        | 7.4          | 19.1          | 1.1         |
| POP MEAN   | 7284           | -      | 206         | 112        | 11.9         | 16.9          | 1.1         |
| POP RANGE  | 11511-<br>3950 | -<br>- | 235-<br>169 | 140-<br>89 | 41.5-<br>0.0 | 21.5-<br>11.5 | 1.7-<br>0.7 |
| CHECK MEAN | 4461           | -      | 216         | 117        | 11.2         | 10.8          | 1.2         |
| BEST CHECK | 8162           | -      | 220         | 116        | 12.0         | 20.0          | 1.3         |
| C. V       | 18.6           |        | 6.8         | 10.2       |              | 15.2          |             |
| 5% LSD     | 2663.9         |        | 27.7        | 22.4       |              | 5.1           |             |

BEST CHECK PM-102

OTHER CHECKS: PM-701, PIURA 81-77, PIURA 81-3, PIURA 81-21, PIURA 81-8

TABLE: 61-P-84

POPULATION: ANT X VER 181

TRIAL: IPTT 24

YEAR: 1984

EXP. VARIETY: ACROSS 8424

COUNTRY-SITE CODES

|                  |               |
|------------------|---------------|
| 20710 - MEXICO   | POZA RICA     |
| 209 2 - PANAMA   | TOCUMEN       |
| 308 2 - DOM. REP | SAN CRISTOBAL |
| 620 3 - SENEGAL  | NIDRO         |
| 110 1 - PERU     | PIURA         |

| PROG       | KG/HA |       |       |       |       |      | DAYS TO SILK |       |       |       |      | PLANT HEIGHT |       |       |       |       |      |
|------------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|
|            | 20710 | 20902 | 30802 | 62003 | 11001 | MEAN | 20710        | 20902 | 30802 | 62003 | MEAN | 20710        | 20902 | 30802 | 62003 | 11001 | MEAN |
| 45         | 6124  | 6492  | 3189  | 1154  | 8479  | 5088 | 60           | 55    | 60    | 60    | 59   | 233          | 239   | 220   | 128   | 201   | 204  |
| 75         | 6397  | 6948  | 4599  | 2679  | 8396  | 5804 | 61           | 57    | 59    | 61    | 59   | 200          | 245   | 195   | 126   | 196   | 192  |
| 78         | 8050  | 5704  | 4727  | 2019  | 7445  | 5589 | 58           | 55    | 58    | 62    | 58   | 209          | 246   | 200   | 116   | 210   | 196  |
| 103        | 7657  | 6217  | 4555  | 2592  | 9410  | 6086 | 61           | 54    | 61    | 63    | 59   | 230          | 266   | 232   | 108   | 207   | 208  |
| 108        | 7590  | 6383  | 4583  | 1977  | 7725  | 5652 | 59           | 55    | 58    | 58    | 57   | 223          | 236   | 200   | 132   | 209   | 200  |
| 115        | 8180  | 5932  | 4376  | 2258  | 8175  | 5784 | 59           | 56    | 60    | 57    | 58   | 241          | 250   | 212   | 138   | 198   | 208  |
| 128        | 8014  | 5772  | 4788  | 2051  | 8729  | 5871 | 58           | 54    | 59    | 55    | 56   | 230          | 236   | 221   | 141   | 197   | 205  |
| 133        | 7039  | 6342  | 4172  | 2909  | 7548  | 5602 | 60           | 54    | 58    | 56    | 57   | 207          | 243   | 200   | 133   | 205   | 198  |
| 167        | 7192  | 6086  | 4968  | 2095  | 6524  | 5373 | 59           | 54    | 58    | 58    | 57   | 200          | 227   | 195   | 122   | 210   | 191  |
| 204        | 7155  | 7512  | 3760  | 2795  | 8057  | 5856 | 62           | 58    | 62    | 63    | 61   | 215          | 244   | 195   | 133   | 219   | 201  |
| SEL MEAN   | 7340  | 6339  | 4372  | 2253  | 8049  | 5670 | 60           | 55    | 59    | 59    | 58   | 219          | 243   | 207   | 128   | 205   | 200  |
| POP MEAN   | 6249  | 5418  | 4038  | 1992  | 7352  | 5010 | 60           | 56    | 60    | 56    | 58   | 212          | 241   | 203   | 130   | 206   | 198  |
| CHECK MEAN | 5965  | 4452  | 3214  | 1600  | 4461  | 3938 | 60           | 55    | 61    | 53    | 0    | 203          | 243   | 214   | 130   | 216   | 201  |
| BEST CHECK | 6946  | 5699  | 4316  | 2391  | 8162  | 5503 | 59           | 55    | 60    | 56    | 0    | 211          | 240   | 209   | 117   | 220   | 199  |
| CV         | 15.6  | 14.6  | 25.9  | 39.6  | 18.6  | 22.9 |              |       |       |       |      |              |       |       |       |       |      |
| LSD(5%)    | 1922  | 1557  | 2047  | 1545  | 2664  | 1947 |              |       |       |       |      |              |       |       |       |       |      |

TABLE: 62-P-84

POPULATION: BLANCO CRISTALINO-3 TRIAL: IPTT 25

LOCATION : POZA RICA

MEXICO

EXP. VARIETY: POZA RICA 8425

OCO-OPERATOR:

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LDDG | %EAR<br>ROT  | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H. C. | EARS/<br>PLNT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|----------------|--------------|---------------|---------------|
| 30         | 8095          | 73   | 60           | 198         | 107        | 0.0          | 9.1          | 22.0           | 2.5          | 0.0           | 1.0           |
| 102        | 8438          | 42   | 56           | 199         | 101        | 0.0          | 14.0         | 22.0           | 3.0          | 7.0           | 1.0           |
| 117        | 8793          | 28   | 57           | 207         | 105        | 0.0          | 11.5         | 22.0           | 2.5          | 2.4           | 1.0           |
| 156        | 8077          | 78   | 58           | 188         | 90         | 0.0          | 9.8          | 21.5           | 2.5          | 2.3           | 1.0           |
| 238        | 6513          | 243  | 59           | 195         | 97         | 0.0          | 14.0         | 22.5           | 3.0          | 2.4           | 1.0           |
| 84         | 7797          | 112  | 57           | 208         | 111        | 0.0          | 11.1         | 22.0           | 3.0          | 4.4           | 1.0           |
| 109        | 7753          | 119  | 56           | 207         | 96         | 0.0          | 9.3          | 21.5           | 2.5          | 2.4           | 1.0           |
| 149        | 6571          | 241  | 55           | 194         | 95         | 0.0          | 14.6         | 22.0           | 3.0          | 0.0           | 0.9           |
| 186        | 7878          | 102  | 58           | 209         | 107        | 0.0          | 8.9          | 22.0           | 3.0          | 0.0           | 1.0           |
| 229        | 7498          | 149  | 56           | 189         | 99         | 0.0          | 12.0         | 21.5           | 3.0          | 2.3           | 1.0           |
| 45         | 7460          | 156  | 58           | 204         | 94         | 0.0          | 9.3          | 21.5           | 3.0          | 7.0           | 1.0           |
| 106        | 6994          | 204  | 56           | 190         | 98         | 0.0          | 11.4         | 22.0           | 3.0          | 4.5           | 1.0           |
| 231        | 6570          | 242  | 55           | 186         | 92         | 0.0          | 11.5         | 22.0           | 3.0          | 4.6           | 1.0           |
| SEL MEAN   | 7572          | -    | 57           | 198         | 99         | 0.0          | 11.3         | 21.9           | 2.8          | 3.0           | 1.0           |
| POP MEAN   | 7684          | -    | 57           | 202         | 103        | 0.3          | 12.0         | 21.8           | 2.9          | 7.4           | 1.0           |
| POP RANGE  | 9887-<br>5164 | -    | 63-<br>53    | 227-<br>175 | 134-<br>86 | 2.4-<br>0.0  | 21.0-<br>6.3 | 24.0-<br>19.5  | 4.0-<br>2.0  | 62.4-<br>0.0  | 1.1-<br>0.0   |
| CHECK MEAN | 7036          | -    | 59           | 206         | 108        | 0.0          | 12.4         | 20.4           | 3.4          | 4.3           | 1.0           |
| BEST CHECK | 7581          | -    | 58           | 203         | 110        | 0.0          | 8.9          | 20.0           | 3.0          | 2.4           | 1.1           |
| C. V.      | 9.7           |      | 1.6          | 3.4         | 4.7        |              |              |                |              |               |               |
| 5% LSD     | 1472.1        |      | 1.7          | 13.6        | 9.6        |              |              |                |              |               |               |

BEST CHECK TLWF (POOL 23)

OTHER CHECKS: PR 7925, MIX 1 COL. GPOLI 1

TABLE: 63-P-84

POPULATION: BLANCO CRISTALINO-3

TRIAL: IPTT 25

YEAR: 1984

EXP. VARIETY: ACROSS 8425

COUNTRY-SITE CODES

|                   |            |
|-------------------|------------|
| 113 8 - VENEZUELA | CAGUA      |
| 20810 - NICARAGUA | EL PLANTEL |
| 807 1 - PAKISTAN  | PIRSABAK   |
| 105 1 - COLOMBIA  | PALMIRA    |
| 20710 - MEXICO    | POZA RICA  |

| PROG       | KG/HA |       |       |       |       |      | DAYS TO SILK |       |       |       |       |      | PLANT HEIGHT |       |       |       |       |      |
|------------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|
|            | 11308 | 20810 | 80701 | 10501 | 20710 | MEAN | 11308        | 20810 | 80701 | 10501 | 20710 | MEAN | 11308        | 20810 | 80701 | 10501 | 20710 | MEAN |
| 5          | 7189  | 2150  | 8043  | 7883  | 8023  | 6657 | 60           | 57    | 59    | 58    | 57    | 58   | 205          | 191   | 189   | 235   | 200   | 204  |
| 39         | 8535  | 2600  | 6676  | 8920  | 8365  | 7019 | 61           | 57    | 56    | 60    | 55    | 58   | 207          | 191   | 178   | 235   | 211   | 204  |
| 68         | 7658  | 2438  | 7134  | 8561  | 7719  | 6702 | 62           | 59    | 55    | 54    | 55    | 57   | 197          | 198   | 183   | 240   | 195   | 202  |
| 75         | 6623  | 1896  | 5196  | 7518  | 7706  | 5788 | 61           | 61    | 60    | 57    | 58    | 59   | 162          | 196   | 183   | 228   | 200   | 194  |
| 83         | 8127  | 3132  | 6537  | 8658  | 9887  | 7268 | 61           | 58    | 59    | 58    | 58    | 59   | 201          | 212   | 193   | 230   | 227   | 212  |
| 107        | 8860  | 2611  | 7897  | 9329  | 9475  | 7634 | 61           | 62    | 60    | 58    | 57    | 59   | 200          | 191   | 208   | 230   | 216   | 209  |
| 153        | 7006  | 2405  | 6981  | 8307  | 8983  | 6736 | 61           | 59    | 57    | 58    | 56    | 58   | 200          | 184   | 188   | 228   | 199   | 199  |
| 189        | 7886  | 2436  | 7439  | 9246  | 8997  | 7201 | 62           | 59    | 62    | 59    | 59    | 60   | 202          | 194   | 193   | 238   | 215   | 208  |
| 202        | 6943  | 2517  | 6173  | 8031  | 9265  | 6586 | 62           | 58    | 61    | 60    | 59    | 60   | 191          | 207   | 178   | 245   | 199   | 204  |
| 207        | 5034  | 2193  | 3728  | 6736  | 7803  | 5099 | 62           | 58    | 61    | 61    | 58    | 60   | 202          | 183   | 180   | 240   | 204   | 202  |
| SEL MEAN   | 7386  | 2438  | 6580  | 8319  | 8622  | 6669 | 61           | 59    | 59    | 58    | 57    | 59   | 197          | 195   | 187   | 235   | 206   | 204  |
| POP MEAN   | 6266  | 2218  | 5708  | 7150  | 7699  | 5808 | 61           | 59    | 59    | 57    | 57    | 59   | 197          | 194   | 180   | 231   | 202   | 201  |
| CHECK MEAN | 4307  | 1207  | 6218  | 7357  | 7036  | 5225 | 52           | 61    | 53    | 62    | 59    | 57   | 192          | 195   | 168   | 245   | 206   | 201  |
| BEST CHECK | 6208  | 1926  | 7800  | 9488  | 7581  | 6600 | 61           | 62    | 52    | 56    | 58    | 58   | 206          | 205   | 148   | 235   | 203   | 199  |
| CV         | 22.1  | 14.5  | 15.1  | 14.7  | 9.7   | 15.2 |              |       |       |       |       |      |              |       |       |       |       |      |
| LSD(5%)    | 2714  | 625   | 1700  | 2078  | 1472  | 1718 |              |       |       |       |       |      |              |       |       |       |       |      |



TABLE: 64-P-84

POPULATION: AMARILLO CRIST-1

TRIAL: IPTT 27

LOCATION : LA MOLINA

PERU

EXP. VARIETY: LA MOLINA 8427

SCO-OPERATOR:ING. ANTONIO MANRIQUE, ING. JORGE NAKAHADO, UNA

| PROG<br>NO | KG/HA  | RANK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|--------|------|------------|-----------|----------------|---------------|
| 4          | 7649   | 4    | 156        | 81        | 20.5           | 1.1           |
| 14         | 8725   | 1    | 195        | 98        | 20.0           | 1.3           |
| 22         | 7168   | 9    | 191        | 96        | 21.5           | 1.3           |
| 110        | 7095   | 11   | 184        | 72        | 21.5           | 1.2           |
| 115        | 7418   | 6    | 202        | 105       | 20.5           | 1.4           |
| 119        | 6951   | 14   | 150        | 72        | 20.5           | 1.3           |
| 121        | 7485   | 5    | 187        | 91        | 22.0           | 1.3           |
| 166        | 7193   | 8    | 164        | 59        | 20.5           | 1.1           |
| 175        | 7096   | 10   | 154        | 71        | 21.0           | 1.2           |
| 216        | 7668   | 3    | 180        | 86        | 20.0           | 1.4           |
| SEL MEAN   | 7445   | -    | 176        | 83        | 20.8           | 1.3           |
| POP MEAN   | 5475   | -    | 158        | 74        | 19.1           | 1.1           |
| POP RANGE  | 8725-  | -    | 202-       | 105-      | 22.0-          | 1.5-          |
|            | 2317   | -    | 121        | 48        | 13.0           | 0.8           |
| CHECK MEAN | 5271   | -    | 189        | 93        | 16.9           | 1.1           |
| BEST CHECK | 7912   | -    | 229        | 113       | 20.0           | 1.2           |
| C.V.       | 16.2   |      | 7.9        | 12.0      | 11.1           | 3.5           |
| 5% LSD     | 1749.0 |      | 24.5       | 17.4      | 4.2            | 1.0           |

BEST CHECK: PM-212

OTHER CHECKS: PM-801, PM-702, PMC-863, PM-701, PMC-861

TABLE: 65-P-84

POPULATION: AMARILLO CRIST-1

TRIAL: IPTT 27

LOCATION : MUNENG

INDONESIA

EXP. VARIETY: MUNENG 8427

7CD-OPERATOR: DR. DAHLAN

| PROG NO    | KG/HA     | RANK | DAYS SILK | PLNT HT | EAR HT | EAR BORER | ROOT LODG | RUST    | HELM    | PLANTS HARV | EAR ASPCT | XBAD H. C. | PLANT ASPECT |
|------------|-----------|------|-----------|---------|--------|-----------|-----------|---------|---------|-------------|-----------|------------|--------------|
| 110        | 6479      | 15   | 61        | 235     | 109    | 2.3       | 0.0       | 2.0     | 2.0     | 22.0        | 2.0       | 9.6        | 2.0          |
| 123        | 7093      | 2    | 61        | 227     | 111    | 7.3       | 2.5       | 2.0     | 2.0     | 21.0        | 1.5       | 0.0        | 1.3          |
| 127        | 6664      | 11   | 59        | 215     | 105    | 2.4       | 2.4       | 2.0     | 2.0     | 21.0        | 2.0       | 11.9       | 2.0          |
| 148        | 6625      | 13   | 58        | 215     | 115    | 4.7       | 2.3       | 2.0     | 1.5     | 21.5        | 2.0       | 6.8        | 1.5          |
| 181        | 6697      | 9    | 55        | 207     | 110    | 4.5       | 2.4       | 2.0     | 1.5     | 21.5        | 2.0       | 2.4        | 2.5          |
| 205        | 6743      | 8    | 56        | 216     | 110    | 9.4       | 0.0       | 2.0     | 2.0     | 21.5        | 2.0       | 12.3       | 2.0          |
| 217        | 7208      | 1    | 60        | 220     | 106    | 4.5       | 0.0       | 2.0     | 2.0     | 22.0        | 2.0       | 10.4       | 2.0          |
| 227        | 6435      | 17   | 60        | 218     | 108    | 4.5       | 0.0       | 2.0     | 2.0     | 22.0        | 2.0       | 4.7        | 2.0          |
| 245        | 7048      | 3    | 60        | 233     | 133    | 9.3       | 2.5       | 2.0     | 2.0     | 21.0        | 2.0       | 4.2        | 2.0          |
| 246        | 6448      | 16   | 60        | 212     | 120    | 9.1       | 0.0       | 2.0     | 2.0     | 22.0        | 2.0       | 2.2        | 2.0          |
| SEL MEAN   | 6744      | -    | 59        | 220     | 112    | 5.8       | 1.2       | 2.0     | 1.9     | 21.5        | 2.0       | 6.4        | 2.0          |
| POP MEAN   | 5189      | -    | 58        | 210     | 107    | 10.7      | 2.2       | 2.1     | 1.9     | 21.1        | 2.4       | 18.9       | 2.2          |
| POP RANGE  | 7208-2403 | -    | 63-52     | 235-173 | 141-83 | 39.5-0.0  | 22.7-0.0  | 3.0-1.5 | 2.0-1.5 | 22.0-17.0   | 3.5-1.5   | 72.7-0.0   | 3.0-1.0      |
| CHECK MEAN | 4112      | -    | 56        | 203     | 110    | 8.8       | 1.9       | 2.3     | 2.1     | 21.8        | 3.1       | 10.8       | 3.0          |
| BEST CHECK | 5050      | -    | 56        | 206     | 103    | 6.8       | 0.0       | 1.5     | 2.0     | 22.0        | 2.5       | 11.8       | 2.5          |
| C. V.      | 11.9      |      | 2.9       | 5.3     | 7.9    |           |           |         |         |             |           |            |              |
| 5% LSD     | 1218.5    |      | 3.4       | 22.0    | 16.6   |           |           |         |         |             |           |            |              |

BEST CHECK: LOCAL CHECK 4

OTHER CHECKS: LOCAL CHECK 1. LOCAL CHECK 3. LOCAL CHECK 2. LOCAL CHECK 5



TABLE: 67-P-84

POPULATION: ETO BLANCO

TRIAL: IPTT 32

LOCATION: IBOPERENDA

BOLIVIA

EXP. VARIETY: IBOPERENDA 8432

7CO-OPERATOR: HUMBERTO HINOJOSA PADILLA, CORDECH

| PROG<br>NO | KG/HA          | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------|----------------|------|--------------|-------------|------------|--------------|--------------|--------------|----------------|---------------|-----------------|---------------|
| 30         | 11037          | 19   | 68           | 216         | 111        | 0.0          | 0.0          | 10.0         | 21.0           | 1.0           | 1.0             | 1.4           |
| 87         | 11278          | 15   | 68           | 195         | 100        | 0.0          | 0.0          | 4.5          | 20.6           | 2.0           | 1.0             | 1.4           |
| 90         | 11460          | 11   | 66           | 208         | 107        | 0.0          | 0.0          | 5.7          | 20.5           | 1.0           | 1.0             | 1.2           |
| 105        | 11342          | 12   | 68           | 210         | 110        | 0.0          | 0.0          | 7.4          | 19.9           | 1.5           | 1.0             | 1.3           |
| 113        | 12038          | 2    | 68           | 230         | 127        | 0.0          | 0.0          | 6.8          | 17.6           | 1.0           | 1.0             | 1.6           |
| 122        | 11780          | 9    | 68           | 211         | 111        | 0.0          | 0.0          | 8.1          | 20.4           | 1.0           | 1.0             | 1.5           |
| 155        | 13809          | 1    | 69           | 214         | 110        | 0.0          | 0.0          | 11.9         | 21.2           | 1.0           | 1.0             | 1.7           |
| 174        | 11666          | 10   | 69           | 219         | 115        | 0.0          | 0.0          | 12.2         | 20.7           | 1.5           | 1.5             | 1.7           |
| 192        | 11912          | 5    | 69           | 223         | 124        | 2.5          | 0.0          | 7.7          | 19.2           | 1.0           | 1.0             | 1.4           |
| 205        | 11847          | 8    | 66           | 205         | 105        | 0.0          | 0.0          | 10.4         | 18.8           | 1.5           | 1.0             | 1.8           |
| SEL MEAN   | 11817          | -    | 68           | 213         | 112        | 0.3          | 0.0          | 8.5          | 20.0           | 1.3           | 1.0             | 1.5           |
| POP MEAN   | 9093           | -    | 67           | 211         | 111        | 0.9          | 0.1          | 13.3         | 19.2           | 1.7           | 1.2             | 1.3           |
| POP RANGE  | 13809-<br>5522 | -    | 70-<br>64    | 260-<br>180 | 151-<br>85 | 15.0-<br>0.0 | 9.1-<br>0.0  | 56.5-<br>0.0 | 22.7-<br>10.9  | 2.5-<br>1.0   | 2.0-<br>1.0     | 1.9-<br>0.7   |
| CHECK MEAN | 9455           | -    | 68           | 220         | 117        | 2.0          | 0.0          | 12.3         | 20.2           | 1.6           | 1.3             | 1.3           |
| BEST CHECK | 11273          | -    | 68           | 207         | 101        | 0.0          | 0.0          | 6.7          | 20.2           | 2.0           | 1.0             | 1.5           |
| C. V.      | 16.7           |      | 1.9          | 6.1         | 10.6       |              |              |              |                |               |                 |               |
| 5% LSD     | 2993.5         |      | 2.5          | 25.5        | 23.0       |              |              |              |                |               |                 |               |

BEST CHECK: IBOP 5

OTHER CHECKS: ANCHO-PAIRUMANI, IBOP 7, IBOP 6, IBOP 8, IBOP 2

TABLE: 68-P-84

POPULATION: ETO BLANCO

TRIAL: IPTT 32

LOCATION : PALMIRA

COLOMBIA

EXP. VARIETY: PALMIRA 8432

ICO-OPERATOR: JOSE E. VARGAS, C.N.I.A.-PALMIRA.

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | ROOT<br>LDDG | YEAR<br>RQT  | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|--------------|----------------|--------------|-----------------|---------------|
| 7          | 8461          | 2    | 65           | 211         | 111        | 0.0          | 6.6          | 2.5          | 17.0           | 3.5          | 2.0             | 1.8           |
| 77         | 8128          | 5    | 66           | 213         | 98         | 0.0          | 5.3          | 2.0          | 20.5           | 2.0          | 2.5             | 1.1           |
| 78         | 7601          | 11   | 68           | 206         | 92         | 0.0          | 4.6          | 2.0          | 19.5           | 2.5          | 2.0             | 1.1           |
| 88         | 8469          | 1    | 68           | 211         | 108        | 0.0          | 7.7          | 3.0          | 20.5           | 3.0          | 3.0             | 1.5           |
| 89         | 8089          | 6    | 68           | 190         | 99         | 0.0          | 7.5          | 2.0          | 19.0           | 3.5          | 2.0             | 1.2           |
| 137        | 8321          | 3    | 67           | 199         | 88         | 0.0          | 8.5          | 2.0          | 21.5           | 3.5          | 2.5             | 1.2           |
| 192        | 7473          | 16   | 68           | 208         | 113        | 0.0          | 9.6          | 2.0          | 19.5           | 3.0          | 3.0             | 1.3           |
| 195        | 7972          | 7    | 68           | 212         | 95         | 0.0          | 8.5          | 2.5          | 20.0           | 2.5          | 2.5             | 1.3           |
| 229        | 7514          | 15   | 64           | 213         | 103        | 0.0          | 7.4          | 2.0          | 20.0           | 3.5          | 3.0             | 1.4           |
| 244        | 7711          | 9    | 66           | 210         | 119        | 0.0          | 7.7          | 2.0          | 20.0           | 3.0          | 3.0             | 1.1           |
| SEL MEAN   | 7974          | -    | 67           | 207         | 102        | 0.0          | 7.3          | 2.2          | 19.8           | 3.0          | 2.5             | 1.3           |
| POP MEAN   | 6003          | -    | 67           | 201         | 97         | 7.1          | 12.6         | 2.3          | 19.3           | 3.6          | 2.9             | 1.1           |
| POP RANGE  | 8469-<br>3152 | -    | 71-<br>63    | 230-<br>172 | 126-<br>72 | 67.5-<br>0.0 | 45.8-<br>1.0 | 3.5-<br>1.0  | 25.0-<br>14.0  | 5.0-<br>2.0  | 4.0-<br>1.5     | 1.8-<br>0.8   |
| CHECK MEAN | 4880          | -    | 70           | 213         | 113        | 20.1         | 15.8         | 2.4          | 16.5           | 3.8          | 2.8             | 1.1           |
| BEST CHECK | 6891          | -    | 69           | 240         | 116        | 6.3          | 10.7         | 2.0          | 15.0           | 3.0          | 2.0             | 1.1           |
| C.V.       | 16.4          |      | 2.0          | 6.2         | 11.6       |              |              |              |                |              |                 |               |
| 5% LSD     | 1938.0        |      | 2.6          | 24.6        | 22.1       |              |              |              |                |              |                 |               |

BEST CHECK: ICA M-260

OTHER CHECKS: ICA M-211, ICA V-258, MB 237 SIM.S2, DV 351(ETO BL), ETC AMARILLO

TABLE: 69-P-84

POPULATION: ETO BLANCO

TRIAL: IPTT 32

YEAR: 1984

EXP. VARIETY: ACROSS 8432

COUNTRY-SITE CODES

|                  |            |
|------------------|------------|
| 20710 - MEXICO   | POZA RICA  |
| 620 3 - SENEGAL  | NIORO      |
| 105 1 - COLOMBIA | PALMIRA    |
| 102 7 - BOLIVIA  | IBOPERENDA |

| PROG       | KG/HA |       |       |       |      | DAYS TO SILK |       |       |       |      | PLANT HEIGHT |       |       |       |      |
|------------|-------|-------|-------|-------|------|--------------|-------|-------|-------|------|--------------|-------|-------|-------|------|
|            | 20710 | 62003 | 10501 | 10207 | MEAN | 20710        | 62003 | 10501 | 10207 | MEAN | 20710        | 62003 | 10501 | 10207 | MEAN |
| 77         | 7999  | 4165  | 8128  | 10867 | 7790 | 56           | 59    | 66    | 66    | 62   | 191          | 116   | 213   | 210   | 182  |
| 89         | 7747  | 4247  | 8089  | 9895  | 7495 | 60           | 62    | 68    | 68    | 64   | 192          | 98    | 190   | 197   | 170  |
| 100        | 8884  | 4217  | 8257  | 9705  | 7766 | 58           | 60    | 65    | 67    | 62   | 201          | 119   | 194   | 212   | 181  |
| 102        | 9468  | 3798  | 7463  | 10446 | 7794 | 61           | 61    | 67    | 69    | 64   | 218          | 115   | 200   | 219   | 188  |
| 122        | 9038  | 3464  | 7017  | 11780 | 7825 | 61           | 62    | 69    | 68    | 65   | 234          | 121   | 219   | 211   | 196  |
| 144        | 8866  | 3703  | 6642  | 9806  | 7254 | 59           | 60    | 65    | 67    | 62   | 214          | 119   | 210   | 224   | 192  |
| 168        | 8721  | 3872  | 6813  | 10518 | 7481 | 57           | 58    | 65    | 65    | 61   | 198          | 115   | 194   | 202   | 177  |
| 199        | 8120  | 4057  | 6932  | 11317 | 7607 | 61           | 63    | 67    | 68    | 65   | 220          | 118   | 211   | 218   | 191  |
| 244        | 8632  | 3964  | 7711  | 9645  | 7488 | 58           | 61    | 66    | 68    | 63   | 216          | 111   | 210   | 219   | 189  |
| 249        | 8448  | 3678  | 6794  | 11855 | 7694 | 58           | 59    | 68    | 68    | 63   | 210          | 131   | 213   | 218   | 193  |
| SEL MEAN   | 8592  | 3917  | 7385  | 10583 | 7619 | 59           | 60    | 67    | 67    | 63   | 209          | 116   | 205   | 213   | 186  |
| POP MEAN   | 7347  | 3144  | 6030  | 9084  | 6401 | 60           | 61    | 67    | 67    | 63   | 202          | 109   | 201   | 211   | 181  |
| CHECK MEAN | 6798  | 1763  | 4880  | 9455  | 5724 | 60           | 57    | 70    | 68    | 64   | 196          | 110   | 213   | 220   | 185  |
| BEST CHECK | 7290  | 2997  | 6891  | 11273 | 7113 | 61           | 58    | 69    | 68    | 64   | 205          | 133   | 240   | 207   | 196  |
| CV         | 11.5  | 23.4  | 16.4  | 16.7  | 17.0 |              |       |       |       |      |              |       |       |       |      |
| LSD(5%)    | 1656  | 1436  | 1938  | 2994  | 2006 |              |       |       |       |      |              |       |       |       |      |

TABLE: 70-P-84

POPULATION: AMARILLO SUBTROPICAL TRIAL: IPTT 33

LOCATION : PIURA

PERU

EXP. VARIETY: PIURA 8433

ICD-OPERATOR:M. NEVADO B.

| PROG<br>NO | KG/HA         | RANK   | PLNT<br>HT  | EAR<br>HT  | %EAR<br>ROT  | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|---------------|--------|-------------|------------|--------------|----------------|---------------|
| 2          | 8302          | 3      | 149         | 64         | 20.3         | 20.3           | 1.1           |
| 79         | 7657          | 13     | 174         | 83         | 19.2         | 19.2           | 1.2           |
| 125        | 8144          | 5      | 171         | 75         | 21.1         | 16.5           | 1.1           |
| 127        | 7085          | 34     | 175         | 77         | 52.0         | 18.8           | 1.1           |
| 164        | 7575          | 18     | 168         | 61         | 22.0         | 20.9           | 1.1           |
| 168        | 7628          | 15     | 158         | 62         | 25.0         | 18.3           | 1.2           |
| 176        | 7674          | 11     | 169         | 83         | 19.6         | 21.2           | 1.0           |
| 222        | 7918          | 9      | 131         | 56         | 17.7         | 19.5           | 1.3           |
| 227        | 7758          | 10     | 159         | 72         | 17.0         | 17.9           | 1.2           |
| 240        | 7979          | 8      | 157         | 78         | 24.4         | 16.7           | 1.2           |
| SEL MEAN   | 7772          | -      | 161         | 71         | 23.8         | 18.9           | 1.2           |
| POP MEAN   | 5891          | -      | 156         | 69         | 30.6         | 16.9           | 1.0           |
| POP RANGE  | 8702-<br>3439 | -<br>- | 197-<br>117 | 100-<br>40 | 73.6-<br>7.9 | 21.2-<br>11.5  | 1.5-<br>0.7   |
| CHECK MEAN | 3365          | -      | 73          | 41         | 15.7         | 6.8            | 1.1           |
| BEST CHECK | 9838          | -      | 193         | 107        | 8.3          | 15.9           | 1.5           |
| C.V.       | 23.1          |        | 0.0         |            |              | 15.2           |               |
| 5% LSD     | 2679.1        |        | 0.0         |            |              | 5.0            |               |

BEST CHECK: PM-102

OTHER CHECKS: PM-701, PIURA 81-78, PIURA 81-80, PIURA 81-79, PIURA 81-67

TABLE: 71-P-84

POPULATION: AMARILLO SUBTROPICAL

TRIAL: IPTT 33

YEAR: 1994

EXP. VARIETY: ACROSS 8433

COUNTRY-SITE CODES

|                     |              |
|---------------------|--------------|
| 20712 - MEXICO      | TLALTIZAPAN  |
| 206 4 - HONDURAS    | LA ESPERANZA |
| 614 3 - UPPER VOLTA | KAMBODINSE   |
| 807 2 - PAKISTAN    | YOUSAFWALA   |
| 80415 - INDIA       | UDAIPUR      |
| 110 1 - PERU        | PIURA        |

| PROG            | KG/HA |       |       |       |       |       |      | DAYS TO SILK |       |       |       |       |      |       | PLANT HEIGHT |       |       |       |       |      |  |
|-----------------|-------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|-------|--------------|-------|-------|-------|-------|------|--|
|                 | 20712 | 20604 | 61403 | 80702 | 90415 | 11001 | MEAN | 20712        | 20604 | 61403 | 80702 | 80415 | MEAN | 20712 | 20604        | 61403 | 80702 | 80415 | 11001 | MEAN |  |
| 52              | 8285  | 1843  | 122   | 3463  | 3590  | 5523  | 3971 | 58           | 74    | 53    | 53    | 53    | 58   | 192   | 124          | 140   | 168   | 157   | 154   | 156  |  |
| 83              | 9683  | 512   | 3545  | 3246  | 6238  | 3870  | 59   | 79           | 54    | 54    | 57    | 60    | 187  | 117   | 158          | 190   | 175   | 147   | 162   | 162  |  |
| 108             | 9123  | 1926  | 501   | 3303  | 4274  | 5970  | 4349 | 57           | 75    | 54    | 52    | 53    | 58   | 203   | 127          | 148   | 183   | 162   | 178   | 167  |  |
| 126             | 10031 | 1027  | 263   | 2554  | 3422  | 8165  | 4262 | 60           | 78    | 56    | 58    | 54    | 61   | 208   | 129          | 155   | 175   | 177   | 178   | 170  |  |
| 133             | 8261  | 1256  | -34   | 2848  | 4115  | 5599  | 3674 | 59           | 72    | 52    | 54    | 55    | 58   | 191   | 113          | 148   | 175   | 165   | 155   | 158  |  |
| 178             | 9820  | 845   | 50    | 3054  | 3954  | 5207  | 3822 | 61           | 80    | 54    | 59    | 57    | 62   | 200   | 118          | 120   | 180   | 173   | 166   | 159  |  |
| 196             | 8318  | 1403  | 56    | 2918  | 4541  | 6352  | 3938 | 57           | 73    | 54    | 55    | 54    | 59   | 197   | 123          | 133   | 168   | 179   | 143   | 157  |  |
| 210             | 9311  | 2110  | 152   | 3183  | 3009  | 6741  | 4084 | 56           | 73    | 54    | 50    | 52    | 57   | 198   | 124          | 155   | 165   | 171   | 168   | 163  |  |
| 213             | 9205  | 257   | 60    | 3633  | 4216  | 5499  | 3811 | 58           | 75    | 54    | 53    | 55    | 59   | 205   | 107          | 138   | 183   | 171   | 164   | 161  |  |
| 223             | 9770  | 758   | 449   | 3713  | 3288  | 7542  | 4087 | 59           | 75    | 58    | 55    | 56    | 60   | 196   | 111          | 140   | 160   | 181   | 158   | 158  |  |
| SEL MEAN        |       | 9081  | 1194  | 166   | 3232  | 3765  | 6484 | 3987         | 58    | 75    | 54    | 54    | 54   | 59    | 198          | 119   | 143   | 175   | 171   |      |  |
| POP MEAN        |       | 7549  | 642   | 168   | 2791  | 3278  | 5952 | 3395         | 59    | 76    | 55    | 54    | 54   | 59    | 194          | 116   | 141   | 173   | 167   |      |  |
| CHECK MEAN      |       | 7613  | 3490  | 35    | 2627  | 2945  | 3365 | 3346         | 59    | 92    | 55    | 55    | 59   | 0     | 193          | 233   | 145   | 181   | 186   |      |  |
| I<br>BEST CHECK |       | 8320  | 4285  | 254   | 3256  | 4473  | 9838 | 5073         | 59    | 94    | 55    | 57    | 61   | 0     | 197          | 268   | 130   | 175   | 181   |      |  |
| CV              |       | 12.6  | 78.8  | 106.4 | 17.3  | 22.0  | 23.1 | 43.4         |       |       |       |       |      |       |              |       |       |       |       |      |  |
| LSD(5%)         |       | 1877  | 1102  | 345   | 947   | 1415  | 2679 | 1394         |       |       |       |       |      |       |              |       |       |       |       |      |  |



TABLE: 72-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

LOCATION : GUAYABAL ARAGUA VENEZUELA

EXP. VARIETY: GUAYABAL 8443

9CO-OPERATOR:DSCAR DE CORDOVA

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT  | LEAF<br>CIS. | ENDO<br>HARD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. |
|------------|---------------|--------|--------------|-------------|------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
| 22         | 7183          | 24     | 61           | 210         | 117        | 0.0          | 15.9         | 0.0          | 3.0          | 3.5          | 18.5           | 3.0          | 13.8         |
| 43         | 7287          | 19     | 60           | 212         | 116        | 2.3          | 10.5         | 7.0          | 3.0          | 3.0          | 20.5           | 2.5          | 35.9         |
| 69         | 7871          | 7      | 62           | 218         | 126        | 2.3          | 0.0          | 0.0          | 3.0          | 2.5          | 20.5           | 3.5          | 27.7         |
| 73         | 7441          | 14     | 61           | 214         | 112        | 0.0          | 4.8          | 7.9          | 3.0          | 3.0          | 21.5           | 3.0          | 32.7         |
| 112        | 7297          | 17     | 61           | 214         | 124        | 0.0          | 10.0         | 7.5          | 2.5          | 4.5          | 20.0           | 2.5          | 18.3         |
| 125        | 8017          | 5      | 62           | 209         | 112        | 0.0          | 0.0          | 2.8          | 2.0          | 4.0          | 21.0           | 3.0          | 36.9         |
| 163        | 8115          | 4      | 59           | 208         | 111        | 7.1          | 2.4          | 0.0          | 2.0          | 3.0          | 21.5           | 3.0          | 26.2         |
| 177        | 7099          | 27     | 59           | 217         | 123        | 0.0          | 8.3          | 5.7          | 3.0          | 4.0          | 19.0           | 3.0          | 8.7          |
| SEL MEAN   | 7539          | -      | 60           | 213         | 117        | 1.5          | 6.5          | 3.9          | 2.7          | 3.4          | 20.3           | 2.9          | 25.0         |
| POP MEAN   | 5867          | -      | 61           | 206         | 116        | 3.0          | 12.0         | 7.8          | 3.0          | 3.4          | 19.7           | 2.6          | 32.5         |
| POP RANGE  | 8480-<br>2489 | -<br>- | 66-<br>56    | 240-<br>168 | 143-<br>88 | 25.2-<br>0.0 | 62.1-<br>0.0 | 26.5-<br>0.0 | 4.0-<br>1.5  | 4.5-<br>2.5  | 24.0-<br>15.5  | 4.0-<br>1.5  | 85.3-<br>0.0 |
| CHECK MEAN | 5037          | -      | 62           | 216         | 129        | 4.2          | 19.6         | 0.6          | 2.9          | 2.9          | 17.8           | 2.3          | 18.3         |
| BEST CHECK | 6240          | -      | 61           | 221         | 125        | 13.7         | 13.7         | 0.0          | 2.5          | 3.0          | 18.5           | 2.5          | 13.5         |
| C.V.       | 16.2          |        | 2.0          | 5.0         | 8.6        |              |              |              |              |              |                |              |              |
| 5% LSC     | 1877.7        |        | 2.5          | 20.2        | 19.8       |              |              |              |              |              |                |              |              |

BEST CHECK:CENIAP 2

OTHER CHECKS:OBREGON, CENIAP-DMR, CENIAP 69, ARICHUNA, FM6

TABLE: 73-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

LOCATION: SANGUERE

CAMEROON

EXP. VARIETY: SANGUERE 8443

SCO-OPERATOR: NCRE-IRA

| PROG<br>NO | KG/HA        | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | PLANTS<br>HARY | EAR<br>ASPCT | EARS/<br>PLNT |
|------------|--------------|--------|--------------|-------------|------------|----------------|--------------|---------------|
| 7          | 6663         | 1      | 46           | 184         | 89         | 15.5           | 2.5          | 1.2           |
| 15         | 6067         | 2      | 48           | 175         | 80         | 16.5           | 2.5          | 1.2           |
| 22         | 5166         | 7      | 47           | 190         | 80         | 13.5           | 2.0          | 1.4           |
| 155        | 5432         | 4      | 49           | 168         | 75         | 14.0           | 2.5          | 1.2           |
| 166        | 5109         | 11     | 52           | 187         | 83         | 13.5           | 2.5          | 1.3           |
| 171        | 5124         | 10     | 49           | 182         | 80         | 11.0           | 2.0          | 1.4           |
| 245        | 5083         | 12     | 52           | 201         | 83         | 12.0           | 2.5          | 1.5           |
| SEL MEAN   | 5520         | -      | 49           | 184         | 81         | 13.7           | 2.4          | 1.3           |
| POP MEAN   | 3073         | -      | 51           | 182         | 83         | 8.8            | 2.7          | 1.2           |
| POP RANGE  | 6663-<br>391 | -<br>- | 74-<br>22    | 218-<br>140 | 113-<br>50 | 16.5-<br>1.5   | 4.0-<br>1.0  | 4.2-<br>0.7   |
| CHECK MEAN | 3816         | -      | 53           | 172         | 85         | 14.0           | 2.8          | 1.0           |
| BEST CHECK | 5009         | -      | 52           | 170         | 83         | 18.5           | 2.5          | 1.0           |
| C.V.       | 41.3         |        | 11.0         | 9.3         | 16.2       | 40.9           |              |               |
| 5% LSD     | 2497.8       |        | 11.0         | 33.3        | 26.5       | 7.1            |              |               |

BEST CHECK: TZPB-K81

OTHER CHECKS: TZPB-K81, GUZAN TZB81, PR 7843 SR, PR 7843 SR, GUZAN TZB81

TABLE: 74-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

LOCATION: IKENNE

NIGERIA

EXP. VARIETY: IKENNE 8443

BCO-OPERATOR: CIMMYT/IITA

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | CURV        | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|
| 15         | 6273          | 13   | 51           | 209         | 108        | 0.0          | 2.9          | 5.0          | 3.0         | 18.5           | 2.5           | 2.2          | 2.5             |
| 82         | 6319          | 10   | 53           | 224         | 120        | 2.4          | 3.3          | 0.0          | 2.0         | 18.0           | 1.5           | 2.9          | 1.5             |
| 95         | 6434          | 6    | 56           | 219         | 115        | 2.5          | 0.0          | 2.8          | 3.0         | 20.0           | 2.5           | 0.0          | 2.0             |
| 129        | 6371          | 7    | 55           | 217         | 118        | 0.0          | 0.0          | 0.0          | 2.0         | 17.0           | 3.0           | 10.1         | 3.0             |
| 140        | 6858          | 2    | 53           | 220         | 123        | 5.6          | 2.8          | 2.9          | 3.0         | 18.0           | 3.0           | 2.8          | 2.0             |
| 188        | 6506          | 5    | 54           | 209         | 108        | 0.0          | 13.8         | 2.8          | 2.0         | 18.0           | 3.0           | 2.5          | 3.0             |
| 192        | 6703          | 4    | 52           | 210         | 110        | 0.0          | 4.8          | 5.3          | 2.5         | 19.5           | 2.5           | 8.1          | 2.5             |
| 199        | 6278          | 12   | 52           | 214         | 115        | 2.9          | 0.0          | 8.5          | 2.0         | 17.5           | 3.0           | 5.6          | 3.0             |
| 241        | 6957          | 1    | 54           | 217         | 110        | 0.0          | 5.9          | 3.7          | 3.0         | 18.5           | 3.0           | 1.9          | 3.5             |
| 245        | 6298          | 11   | 55           | 220         | 115        | 2.5          | 5.0          | 10.8         | 2.0         | 19.5           | 3.5           | 16.1         | 3.0             |
| SEL MEAN   | 6500          | -    | 53           | 216         | 114        | 1.6          | 3.9          | 4.2          | 2.5         | 18.5           | 2.8           | 5.2          | 2.6             |
| POP MEAN   | 4792          | -    | 53           | 214         | 112        | 4.9          | 4.3          | 6.7          | 2.3         | 17.0           | 3.1           | 5.5          | 3.0             |
| POP RANGE  | 6957-<br>1865 | -    | 56-<br>50    | 242-<br>182 | 143-<br>90 | 25.3-<br>0.0 | 53.6-<br>0.0 | 36.3-<br>0.0 | 4.0-<br>1.0 | 21.5-<br>12.0  | 4.0-<br>1.5   | 29.3-<br>0.0 | 5.0<br>1.5      |
| CHECK MEAN | 4046          | -    | 54           | 219         | 118        | 9.2          | 11.8         | 6.1          | 2.1         | 16.2           | 3.6           | 3.9          | 3.0             |
| BEST CHECK | 5201          | -    | 56           | 211         | 110        | 10.3         | 11.1         | 7.6          | 2.0         | 19.0           | 3.5           | 2.5          | 3.0             |
| C.V.       | 18.5          |      | 2.6          | 3.9         | 7.1        |              |              |              |             |                |               |              |                 |
| 5% LSD     | 1748.7        |      | 2.7          | 16.4        | 15.6       |              |              |              |             |                |               |              |                 |

BEST CHECK: EV 8322-83-802

OTHER CHECKS: EV8343-SR-BC3, IKKENE(1)8243, TZPB-DNNE 81, TZB GUZAN 81, A

TABLE: 75-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

LOCATION : GWEBI

ZIMEASWE

EXP. VARIETY: GWEBI 8443

SCO-OPERATOR:R.C. OLVER

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT   | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT  | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT |
|------------|---------------|--------|--------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|----------------|---------------|-----------------|
| 26         | 7215          | 7      | 79           | 290         | 165         | 4.8          | 0.0          | 26.2         | 1.5           | 3.0          | 21.0           | 1.0           | 3.5             |
| 39         | 7515          | 5      | 81           | 268         | 153         | 0.0          | 0.0          | 20.7         | 1.0           | 2.0          | 19.5           | 1.0           | 2.5             |
| 94         | 6906          | 10     | 80           | 275         | 173         | 18.2         | 0.0          | 22.1         | 2.0           | 2.5          | 22.0           | 1.0           | 4.5             |
| 100        | 6163          | 13     | 82           | 273         | 175         | 31.7         | 0.0          | 19.9         | 1.0           | 2.5          | 20.5           | 1.5           | 3.5             |
| 134        | 6600          | 14     | 79           | 275         | 148         | 13.7         | 0.0          | 4.7          | 1.0           | 2.0          | 21.5           | 1.0           | 3.0             |
| 186        | 6316          | 17     | 84           | 273         | 170         | 15.9         | 0.0          | 33.6         | 2.0           | 2.0          | 22.0           | 1.0           | 3.0             |
| SEL MEAN   | 6786          | -      | 81           | 275         | 164         | 14.1         | 0.0          | 21.2         | 1.4           | 2.3          | 21.1           | 1.1           | 3.3             |
| POP MEAN   | 4162          | -      | 80           | 263         | 151         | 15.9         | 0.4          | 14.5         | 1.5           | 2.7          | 18.9           | 1.1           | 3.6             |
| POP RANGE  | 7515-<br>1070 | -<br>- | 86-<br>77    | 290-<br>233 | 180-<br>128 | 60.0-<br>0.0 | 10.7-<br>0.0 | 45.7-<br>0.0 | 2.5-<br>1.0   | 4.0-<br>1.0  | 22.0-<br>11.5  | 2.0-<br>1.0   | 4.5-<br>2.0     |
| CHECK MEAN | 8367          | -      | 76           | 272         | 155         | 10.7         | 0.0          | 11.3         | 1.6           | 1.6          | 20.0           | 1.0           | 2.4             |
| BEST CHECK | 11267         | -      | 77           | 278         | 155         | 17.4         | 0.0          | 7.5          | 1.0           | 1.5          | 20.5           | 1.0           | 1.5             |
| C.V.       | 17.9          |        | 2.0          | 3.8         | 7.4         |              |              |              |               |              |                |               |                 |
| 5% LSD     | 1467.2        |        | 3.2          | 19.8        | 21.9        |              |              |              |               |              |                |               |                 |

BEST CHECK:ZS-206

OTHER CHECKS:ZS-107, SR-52, ZS-202, ZS-225, R-201

TABLE: 76-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

LOCATION : GWEBI

ZIMBABWE

EXP. VARIETY: GWEBI (1) B443

SCO-OPERATOR: R. C. OLVER

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT   | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT |
|------------|---------------|--------|--------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|----------------|--------------|-----------------|
| 39         | 7515          | 5      | 81           | 268         | 153         | 0.0          | 0.0          | 20.7         | 1.0           | 2.0          | 19.5           | 1.0          | 2.5             |
| 26         | 7215          | 7      | 79           | 290         | 165         | 4.8          | 0.0          | 26.2         | 1.5           | 3.0          | 21.0           | 1.0          | 3.5             |
| 94         | 6906          | 10     | 80           | 275         | 173         | 18.2         | 0.0          | 22.1         | 2.0           | 2.5          | 22.0           | 1.0          | 4.5             |
| 90         | 7007          | 8      | 82           | 273         | 138         | 4.7          | 0.0          | 34.7         | 1.5           | 1.5          | 21.5           | 1.5          | 3.0             |
| 32         | 6986          | 9      | 81           | 278         | 180         | 2.4          | 0.0          | 23.8         | 1.5           | 2.5          | 21.0           | 1.5          | 2.5             |
| 222        | 6698          | 11     | 84           | 268         | 158         | 6.8          | 0.0          | 4.5          | 1.0           | 2.0          | 22.0           | 1.0          | 3.0             |
| 126        | 6645          | 13     | 79           | 263         | 160         | 6.8          | 0.0          | 6.8          | 1.5           | 2.5          | 21.5           | 1.0          | 3.0             |
| 134        | 6600          | 14     | 79           | 275         | 148         | 13.7         | 0.0          | 4.7          | 1.0           | 2.0          | 21.5           | 1.0          | 3.0             |
| 59         | 6414          | 16     | 77           | 258         | 150         | 4.7          | 0.0          | 28.2         | 1.5           | 2.5          | 21.5           | 1.0          | 3.0             |
| 186        | 6316          | 17     | 84           | 273         | 170         | 15.9         | 0.0          | 33.6         | 2.0           | 2.0          | 22.0           | 1.0          | 3.0             |
| 58         | 7332          | 6      | 78           | 263         | 155         | 32.6         | 0.0          | 7.5          | 1.0           | 3.0          | 18.5           | 1.0          | 3.5             |
| 100        | 6163          | 18     | 82           | 273         | 175         | 31.7         | 0.0          | 19.9         | 1.0           | 2.5          | 20.5           | 1.5          | 3.5             |
| SEL MEAN   | 6816          | -      | 80           | 271         | 160         | 11.9         | 0.0          | 19.4         | 1.4           | 2.3          | 21.0           | 1.1          | 3.2             |
| POP MEAN   | 4162          | -      | 80           | 263         | 151         | 15.9         | 0.4          | 14.5         | 1.5           | 2.7          | 18.9           | 1.1          | 3.6             |
| POP RANGE  | 7515-<br>1070 | -<br>- | 86-<br>77    | 290-<br>233 | 180-<br>128 | 60.0-<br>0.0 | 10.7-<br>0.0 | 45.7-<br>0.0 | 2.5-<br>1.0   | 4.0-<br>1.0  | 22.0-<br>11.5  | 2.0-<br>1.0  | 4.5-<br>2.0     |
| CHECK MEAN | 8367          | -      | 76           | 272         | 155         | 10.7         | 0.0          | 11.3         | 1.6           | 1.6          | 20.0           | 1.0          | 2.4             |
| BEST CHECK | 11267         | -      | 77           | 278         | 155         | 17.4         | 0.0          | 7.5          | 1.0           | 1.5          | 20.5           | 1.0          | 1.5             |
| C V        | 17.9          |        | 2.0          | 3.8         | 7.4         |              |              |              |               |              |                |              |                 |
| 5% LSD     | 1467.2        |        | 3.2          | 19.8        | 21.9        |              |              |              |               |              |                |              |                 |

BEST CHECK ZS-206

OTHER CHECKS: ZS-107, SR-52, ZS-202, ZS-225, R-201

TABLE: 77-P-84

POPULATION: LA POSTA

TRIAL: IPTT 43

YEAR: 1984

EXP. VARIETY: ACROSS 8443

COUNTRY-SITE CODES

|                   |                 |
|-------------------|-----------------|
| 618 3 - NIGERIA   | IKENNE          |
| 113 9 - VENEZUELA | GUAYABAL ARAGUA |
| 726 5 - ZIMBABWE  | GWEBI           |

| PROG       | KG/HA |       |       |      | DAYS TO SILK |       |       |      | PLANT HEIGHT |       |       |      |
|------------|-------|-------|-------|------|--------------|-------|-------|------|--------------|-------|-------|------|
|            | 61803 | 11309 | 72605 | MEAN | 61803        | 11309 | 72605 | MEAN | 61803        | 11309 | 72605 | MEAN |
| 39         | 5365  | 7808  | 7515  | 6896 | 54           | 63    | 81    | 66   | 203          | 211   | 268   | 227  |
| 95         | 6434  | 5466  | 6566  | 6156 | 56           | 63    | 84    | 67   | 219          | 215   | 270   | 235  |
| 112        | 4983  | 7297  | 5442  | 5907 | 53           | 61    | 77    | 64   | 205          | 214   | 253   | 224  |
| 113        | 4292  | 5740  | 5898  | 5310 | 53           | 61    | 80    | 64   | 208          | 201   | 265   | 225  |
| 134        | 4796  | 7602  | 6600  | 6333 | 52           | 61    | 79    | 64   | 217          | 214   | 275   | 235  |
| 153        | 6186  | 6630  | 5905  | 6240 | 54           | 63    | 85    | 67   | 225          | 211   | 283   | 239  |
| 155        | 5812  | 6420  | 5486  | 5906 | 53           | 61    | 79    | 64   | 216          | 211   | 270   | 232  |
| 180        | 5637  | 7079  | 5411  | 6042 | 54           | 61    | 79    | 64   | 220          | 214   | 263   | 232  |
| SEL MEAN   | 5438  | 6755  | 6103  | 6099 | 53           | 61    | 80    | 65   | 214          | 211   | 268   | 231  |
| POP MEAN   | 4810  | 5887  | 4061  | 4919 | 53           | 61    | 81    | 65   | 213          | 205   | 263   | 227  |
| CHECK MEAN | 4046  | 5037  | 8367  | 5817 | 54           | 62    | 76    | 64   | 219          | 216   | 272   | 236  |
| BEST CHECK | 5201  | 6240  | 11267 | 7569 | 56           | 61    | 77    | 65   | 211          | 221   | 278   | 236  |
| CV         | 18.5  | 16.2  | 17.9  | 17.5 |              |       |       |      |              |       |       |      |
| LSD(5%)    | 1749  | 1878  | 1467  | 1698 |              |       |       |      |              |       |       |      |

TABLE: 78-P-84

POPULATION: ADE X TUXPEND

TRIAL: IPTT 44

LOCATION : CD. OBREGON

MEXICO

EXP. VARIETY: OBREGON 8444

ICO-OPERATOR: ANGEL SOQUI, OSCAR COSTA

| PRDG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG  | ROOT<br>LODG | %EAR<br>ROT  | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT |
|------------|---------------|------|--------------|-------------|------------|---------------|--------------|--------------|----------------|--------------|--------------|---------------|
| 8          | 4877          | 17   | 87           | 187         | 113        | 71.0          | 17.9         | 11.4         | 19.5           | 3.3          | 4.5          | 1.1           |
| 20         | 4974          | 15   | 82           | 200         | 115        | 54.2          | 12.9         | 7.0          | 19.5           | 2.8          | 17.0         | 1.1           |
| 39         | 5142          | 6    | 82           | 202         | 143        | 78.6          | 14.3         | 7.3          | 21.0           | 2.8          | 15.3         | 1.0           |
| 45         | 4818          | 19   | 83           | 209         | 133        | 59.1          | 9.1          | 5.4          | 22.0           | 3.0          | 19.9         | 0.9           |
| 117        | 5200          | 4    | 81           | 182         | 115        | 75.1          | 0.0          | 4.8          | 22.0           | 3.0          | 16.7         | 1.0           |
| 151        | 5012          | 12   | 82           | 209         | 115        | 79.5          | 22.7         | 7.1          | 22.0           | 2.8          | 14.6         | 0.9           |
| 181        | 6407          | 1    | 91           | 204         | 110        | 77.8          | 13.5         | 15.9         | 22.0           | 2.8          | 15.2         | 1.1           |
| 182        | 5163          | 5    | 80           | 211         | 135        | 88.7          | 0.0          | 7.9          | 18.5           | 3.0          | 15.8         | 1.0           |
| 205        | 5031          | 9    | 82           | 194         | 113        | 36.5          | 14.8         | 11.8         | 20.5           | 3.0          | 8.8          | 0.8           |
| 245        | 6174          | 2    | 81           | 226         | 138        | 70.5          | 29.5         | 15.4         | 22.0           | 3.0          | 17.0         | 1.2           |
| SEL MEAN   | 5280          | -    | 81           | 203         | 123        | 69.1          | 13.5         | 9.4          | 20.9           | 2.9          | 14.5         | 1.0           |
| POP MEAN   | 3559          | -    | 81           | 202         | 124        | 59.6          | 21.9         | 17.9         | 20.3           | 2.6          | 23.7         | 0.9           |
| POP RANGE  | 6407-<br>1189 | -    | 90-<br>79    | 241-<br>171 | 150-<br>93 | 97.8-<br>17.1 | 59.7-<br>0.0 | 53.5-<br>0.0 | 26.5-<br>14.5  | 3.5-<br>1.5  | 69.1-<br>0.0 | 1.3-<br>0.5   |
| CHECK MEAN | 3088          | -    | 81           | 196         | 116        | 37.7          | 34.4         | 20.4         | 16.0           | 3.1          | 13.8         | 1.1           |
| BEST CHECK | 4041          | -    | 80           | 202         | 120        | 22.4          | 46.7         | 22.5         | 20.0           | 3.8          | 7.1          | 0.8           |
| C.V.       | 26.3          |      | 1.3          | 6.4         | 8.8        |               |              |              |                |              |              |               |
| 5% LSC     | 1546.2        |      | 2.9          | 25.5        | 21.5       |               |              |              |                |              |              |               |

BEST CHECK: H-422

OTHER CHECKS: V-455, V-526, GUANACASTE 7948, V-425, LA POSTA QPM

TABLE: 79-P-84

POPULATION: AGE X TUXPEND

TRIAL: IPTT 44

LOCATION : CHITEDZE

MALAJI

EXP. VARIETY: CHITEDZE 8444

ICD-OPERATOR: ELIZABETH SIDALE

| PRCG<br>NO | KG/4A  | RANK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | PUCC<br>SORG | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. |
|------------|--------|------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|--------------|
| 4          | 10069  | 20   | 75           | 221        | 106       | 4.5          | 9.9          | 2.2         | 2.5          | 3.0          | 21.0           | 2.5           | 25.7         |
| 15         | 10357  | 14   | 71           | 220        | 114       | 0.0          | 5.0          | 2.0         | 2.0          | 2.5          | 21.0           | 3.5           | 29.0         |
| 20         | 10462  | 11   | 72           | 211        | 99        | 0.0          | 2.8          | 11.1        | 1.0          | 1.5          | 19.0           | 3.0           | 37.8         |
| 31         | 10703  | 6    | 72           | 217        | 100       | 2.3          | 2.5          | 14.3        | 2.0          | 3.0          | 21.0           | 3.5           | 38.3         |
| 36         | 11054  | 4    | 75           | 197        | 93        | 2.3          | 2.3          | 10.7        | 1.5          | 2.5          | 22.0           | 2.5           | 9.1          |
| 37         | 10413  | 12   | 73           | 236        | 124       | 2.4          | 9.2          | 4.0         | 2.0          | 2.5          | 21.5           | 3.0           | 44.8         |
| 103        | 10530  | 3    | 72           | 219        | 110       | 6.9          | 6.5          | 7.1         | 1.0          | 2.5          | 22.0           | 3.0           | 13.0         |
| 210        | 10604  | 7    | 75           | 232        | 124       | 16.2         | 0.0          | 16.0        | 2.5          | 3.5          | 21.5           | 2.5           | 18.7         |
| 217        | 10151  | 19   | 73           | 195        | 106       | 4.5          | 18.2         | 4.8         | 1.5          | 2.5          | 22.0           | 2.0           | 13.5         |
| 218        | 10575  | 9    | 73           | 222        | 114       | 4.5          | 5.6          | 7.6         | 2.5          | 3.5          | 20.0           | 2.0           | 41.7         |
| SEL MEAN   | 10497  | -    | 73           | 217        | 109       | 4.4          | 6.2          | 8.0         | 1.9          | 2.7          | 21.1           | 2.8           | 27.2         |
| POP MEAN   | 8359   | -    | 72           | 210        | 103       | 11.8         | 8.9          | 10.3        | 2.2          | 2.8          | 20.0           | 3.2           | 28.4         |
| POP RANGE  | 11468- | -    | 76-          | 282-       | 131-      | 50.7-        | 57.0-        | 40.1-       | 4.0-         | 4.0-         | 23.5-          | 5.0-          | 87.8-        |
|            | 4263   | -    | 67           | 173        | 82        | 0.0          | 0.0          | 0.0         | 1.0          | 1.5          | 14.5           | 1.5           | 0.0          |
| CHECK MEAN | 9088   | -    | 73           | 247        | 133       | 18.4         | 5.1          | 8.1         | 1.8          | 2.7          | 21.8           | 2.7           | 22.9         |
| BEST CHECK | 12246  | -    | 75           | 291        | 161       | 12.9         | 16.3         | 4.1         | 2.0          | 2.0          | 23.5           | 2.5           | 26.6         |
| C.V.       | 12.6   |      | 3.7          | 5.7        | 7.3       |              |              |             |              |              |                |               |              |
| 5% LSD     | 2075.9 |      | 5.2          | 23.4       | 14.8      |              |              |             |              |              |                |               |              |

BEST CHECK:UCA

OTHER CHECKS:CCA, UCPC2, CCBC2, TUXPEND, CCC





TABLE: 81-P-84

POPULATION: AMARILLO BAJO

TRIAL: IPTT 45

LOCATION: CRAVINHOS

BRAZIL

EXP. VARIETY: CRAVINHOS 8445

7CO-OPERATOR: DIMAIR JOSE POLONI, C. C. C. BRASIL LTDA

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|--------------|---------------|----------------|--------------|---------------|
| 1          | 7338          | 12   | 59           | 193         | 88         | 4.5          | 0.0          | 6.8          | 1.5           | 20.5           | 1.0          | 1.0           |
| 82         | 7535          | 11   | 60           | 185         | 85         | 19.5         | 0.0          | 9.1          | 1.5           | 20.5           | 1.0          | 1.0           |
| 85         | 7637          | 9    | 59           | 186         | 100        | 4.5          | 0.0          | 0.0          | 1.5           | 22.0           | 1.0          | 1.0           |
| 101        | 7777          | 8    | 64           | 188         | 83         | 6.8          | 0.0          | 0.0          | 1.0           | 22.0           | 1.0          | 1.0           |
| 137        | 7107          | 21   | 62           | 198         | 100        | 2.3          | 0.0          | 2.5          | 1.5           | 22.0           | 1.0          | 1.0           |
| 156        | 7310          | 13   | 61           | 187         | 93         | 17.1         | 0.0          | 2.5          | 1.5           | 20.5           | 1.5          | 0.9           |
| 161        | 7135          | 19   | 58           | 187         | 100        | 4.8          | 0.0          | 0.0          | 1.0           | 21.5           | 1.0          | 1.0           |
| 162        | 8042          | 7    | 60           | 183         | 88         | 15.9         | 0.0          | 7.1          | 1.5           | 22.0           | 1.0          | 0.9           |
| 193        | 8889          | 6    | 68           | 199         | 100        | 7.1          | 0.0          | 2.2          | 1.5           | 20.0           | 1.0          | 1.1           |
| 194        | 7184          | 15   | 60           | 202         | 103        | 16.7         | 0.0          | 0.0          | 1.0           | 21.0           | 1.0          | 1.0           |
| BEL MEAN   | 7595          | -    | 61           | 191         | 94         | 9.9          | 0.0          | 3.0          | 1.4           | 21.2           | 1.0          | 1.0           |
| POP MEAN   | 5564          | -    | 60           | 186         | 92         | 19.5         | 0.3          | 5.0          | 1.4           | 21.1           | 1.3          | 0.9           |
| POP RANGE  | 9527-<br>2699 | -    | 68-<br>55    | 218-<br>156 | 135-<br>65 | 74.0-<br>0.0 | 11.4-<br>0.0 | 27.8-<br>0.0 | 2.5-<br>1.0   | 22.5-<br>15.5  | 3.5-<br>1.0  | 1.1-<br>0.5   |
| CHECK MEAN | 9067          | -    | 73           | 216         | 129        | 4.3          | 2.1          | 1.7          | 1.0           | 19.8           | 1.0          | 1.2           |
| BEST CHECK | 11463         | -    | 70           | 208         | 130        | 0.0          | 4.5          | 0.0          | 1.0           | 21.5           | 1.0          | 1.3           |
| C. V.      | 19.8          |      | 3.4          | 8.8         | 17.4       |              |              |              |               |                |              |               |
| 5% LSD     | 2166.5        |      | 4.0          | 32.2        | 31.6       |              |              |              |               |                |              |               |

BEST CHECK: CARGILL 115

OTHER CHECKS: CONTIMAX 322, CARGILL 317, CENTRALMEX, CONTIMEX 133, CONTIM

TABLE: 82-P-84

POPULATION: AMARILLO BAJIO

TRIAL: IPTT 45

LOCATION : PIURA

PERU

EXP. VARIETY: PIURA 8445

ICO-OPERATOR: M. NEVADO B.

| PROG<br>NO | KG/HA         | RANK   | %EAR<br>RDT  | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|---------------|--------|--------------|----------------|---------------|
| 6          | 8270          | 7      | 10.5         | 17.5           | 1.1           |
| 9          | 8313          | 6      | 34.0         | 19.5           | 1.1           |
| 58         | 8139          | 10     | 32.7         | 19.0           | 1.1           |
| 81         | 8095          | 11     | 30.8         | 18.0           | 1.0           |
| 110        | 8313          | 5      | 34.8         | 18.5           | 1.2           |
| 111        | 7732          | 21     | 19.1         | 19.5           | 1.0           |
| 115        | 8618          | 3      | 30.0         | 18.5           | 1.1           |
| 189        | 8922          | 1      | 35.9         | 20.5           | 1.0           |
| 218        | 8414          | 4      | 22.3         | 19.0           | 1.2           |
| 128        | 6793          | 80     | 33.3         | 18.0           | 0.9           |
| SEL MEAN   | 8161          | -      | 28.3         | 18.8           | 1.1           |
| POP MEAN   | 6160          | -      | 40.3         | 16.1           | 1.0           |
| POP RANGE  | 8922-<br>2102 | -<br>- | 94.1-<br>7.5 | 21.5-<br>11.0  | 1.4-<br>0.5   |
| CHECK MEAN | 3902          | -      | 21.7         | 8.1            | 1.2           |
| BEST CHECK | 7699          | -      | 6.8          | 15.0           | 1.4           |
| C.V.       | 21.8          |        |              | 17.4           | 4.7           |
| 5% LSD     | 2651.7        |        |              | 5.5            | 1.3           |

BEST CHECK: PM-102

OTHER CHECKS: PM-701, PIURA 81-8, PIURA 81-80, PIURA 81-78, PIURA 81-79

TABLE: 83-P-84

POPULATION: AMARILLO BAJIO

TRIAL: IPTT 45

YEAR: 1984

EXP. VARIETY: ACROSS 8445

## COUNTRY-SITE CODES

|                |             |
|----------------|-------------|
| 20712 - MEXICO | TLALTIZAPAN |
| 504 1 - EGYPT  | SIDS        |
| 519 3 - TURKEY | ANTALYA     |
| 804 3 - INDIA  | LUDHIANA    |
| 10327 - BRAZIL | CRAVINHOS   |
| 110 1 - PERU   | PIURA       |

| PROG       | KG/HA |       |       |       |       |       |      | DAYS TO SILK |       |       |       |       |      |       | PLANT HEIGHT |       |       |       |      |
|------------|-------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|-------|--------------|-------|-------|-------|------|
|            | 20712 | 50401 | 51903 | 80403 | 10327 | 11001 | MEAN | 20712        | 50401 | 51903 | 80403 | 10327 | MEAN | 20712 | 50401        | 51903 | 80403 | 10327 | MEAN |
| 82         | 9746  | 4189  | 7992  | 5565  | 7535  | 7098  | 7021 | 56           | 57    | 58    | 52    | 60    | 56   | 221   | 218          | 255   | 168   | 185   | 209  |
| 83         | 9955  | 5869  | 7101  | 7109  | 6286  | 7030  | 7225 | 55           | 61    | 61    | 51    | 62    | 58   | 229   | 215          | 260   | 174   | 179   | 211  |
| 85         | 9283  | 4668  | 7549  | 6703  | 7637  | 7532  | 7229 | 55           | 60    | 60    | 51    | 59    | 57   | 218   | 203          | 255   | 171   | 186   | 204  |
| 94         | 10318 | 7164  | 10035 | 4865  | 5844  | 6590  | 7469 | 59           | 59    | 61    | 52    | 59    | 58   | 222   | 230          | 263   | 176   | 190   | 216  |
| 124        | 9922  | 6456  | 7158  | 7388  | 6509  | 6880  | 7386 | 60           | 61    | 63    | 56    | 61    | 60   | 220   | 188          | 240   | 129   | 189   | 193  |
| 139        | 8124  | 6058  | 8530  | 6911  | 6555  | 5274  | 6909 | 53           | 58    | 57    | 51    | 57    | 55   | 196   | 203          | 255   | 166   | 186   | 201  |
| 162        | 8961  | 5569  | 7368  | 6508  | 8042  | 7924  | 7396 | 57           | 59    | 58    | 50    | 60    | 57   | 212   | 195          | 253   | 162   | 183   | 201  |
| 169        | 10978 | 7085  | 6175  | 7014  | 6789  | 5976  | 7336 | 59           | 60    | 62    | 54    | 60    | 59   | 213   | 225          | 268   | 188   | 188   | 216  |
| 192        | 9082  | 6282  | 7045  | 5142  | 9527  | 3298  | 6730 | 61           | 62    | 60    | 53    | 60    | 59   | 202   | 185          | 238   | 157   | 181   | 192  |
| 199        | 8751  | 5331  | 7347  | 8552  | 6075  | 6308  | 7061 | 61           | 62    | 62    | 52    | 60    | 59   | 212   | 208          | 268   | 148   | 175   | 202  |
| SEL MEAN   |       | 9512  | 5867  | 7630  | 6576  | 7080  | 6391 | 7176         | 58    | 60    | 60    | 52    | 60   | 58    | 214          | 207   | 255   | 164   | 184  |
| M          |       |       |       |       |       |       |      |              |       |       |       |       |      |       |              |       |       |       |      |
| POP MEAN   |       | 8132  | 4893  | 5992  | 4810  | 5480  | 6214 | 5920         | 58    | 59    | 61    | 53    | 59   | 58    | 208          | 202   | 248   | 152   | 184  |
| 0          |       |       |       |       |       |       |      |              |       |       |       |       |      |       |              |       |       |       |      |
| CHECK MEAN |       | 7023  | 6848  | 6058  | 3658  | 9067  | 3902 | 6092         | 59    | 63    | 57    | 57    | 73   | 0     | 204          | 226   | 249   | 158   | 216  |
| BEST CHECK |       | 8602  | 10018 | 8046  | 4990  | 11463 | 7699 | 8470         | 58    | 63    | 57    | 59    | 70   | 0     | 203          | 238   | 253   | 180   | 208  |
| CV         |       | 10.1  | 21.2  | 18.6  | 16.6  | 19.8  | 21.8 | 18.0         |       |       |       |       |      |       |              |       |       |       |      |
| LSD(5%)    |       | 1622  | 2064  | 2201  | 1563  | 2167  | 2652 | 2045         |       |       |       |       |      |       |              |       |       |       |      |

TABLE: 84-P-84

POPULATION: TEMP BLANCO DENTADO TRIAL: IPTT 47

LOCATION : CD. OBREGON MEXICO

EXP. VARIETY: OBREGON 8447

ICO-OPERATOR: ANGEL SOQUI, OSCAR COTA

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT  | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H. C. | EARS/<br>PLNT |
|------------|---------------|------|--------------|-------------|------------|--------------|--------------|--------------|----------------|--------------|---------------|---------------|
| 17         | 5438          | 1    | 77           | 166         | 110        | 20.0         | 19.2         | 19.4         | 16.0           | 3.5          | 42.4          | 1.3           |
| 109        | 4464          | 8    | 77           | 170         | 115        | 36.7         | 7.4          | 6.3          | 21.0           | 3.3          | 26.2          | 1.0           |
| 112        | 3916          | 20   | 76           | 167         | 95         | 39.1         | 16.1         | 10.0         | 21.0           | 3.5          | 17.4          | 1.0           |
| 137        | 4929          | 2    | 76           | 185         | 115        | 25.0         | 7.5          | 14.9         | 21.5           | 3.8          | 32.1          | 1.0           |
| 147        | 3835          | 27   | 74           | 193         | 123        | 7.4          | 22.4         | 2.3          | 20.5           | 3.0          | 24.2          | 1.1           |
| 156        | 4625          | 4    | 74           | 173         | 110        | 20.9         | 34.6         | 9.3          | 21.5           | 3.3          | 16.2          | 1.0           |
| 161        | 4526          | 6    | 76           | 195         | 103        | 22.0         | 7.7          | 7.9          | 19.0           | 3.0          | 41.8          | 1.0           |
| 205        | 4043          | 16   | 78           | 167         | 105        | 22.5         | 10.0         | 2.4          | 20.0           | 3.0          | 24.5          | 0.8           |
| 211        | 4241          | 12   | 76           | 173         | 100        | 15.0         | 12.5         | 9.8          | 20.0           | 3.3          | 28.6          | 1.1           |
| 227        | 4577          | 5    | 76           | 182         | 108        | 45.0         | 9.2          | 4.9          | 21.0           | 3.8          | 4.9           | 1.0           |
| SEL MEAN   | 4459          | -    | 76           | 177         | 108        | 25.4         | 14.7         | 8.7          | 20.1           | 3.3          | 25.8          | 1.0           |
| POP MEAN   | 2979          | -    | 76           | 178         | 109        | 29.6         | 16.7         | 24.1         | 20.1           | 3.1          | 33.4          | 0.9           |
| POP RANGE  | 5438-<br>1348 | -    | 81-<br>73    | 211-<br>143 | 140-<br>80 | 90.0-<br>0.0 | 55.4-<br>0.0 | 64.5-<br>0.0 | 25.0-<br>16.0  | 3.8-<br>2.0  | 82.8-<br>4.9  | 1.4-<br>0.6   |
| CHECK MEAN | 2650          | -    | 77           | 193         | 118        | 12.6         | 28.2         | 14.1         | 15.5           | 3.3          | 19.0          | 1.0           |
| BEST CHECK | 4524          | -    | 76           | 200         | 125        | 20.0         | 32.5         | 14.8         | 20.0           | 4.0          | 20.7          | 1.1           |
| C. V.      | 24.8          |      | 2.3          | 6.6         | 9.4        |              |              |              |                |              |               |               |
| 5% LSD     | 1455.4        |      | 3.5          | 23.1        | 20.2       |              |              |              |                |              |               |               |

BEST CHECK: V-425

OTHER CHECKS: H-422, V-455, GUANACASTE 7948, V-526, LA POSTA GPM

TABLE 85-P-84

POPULATION: TEMP BLANCO DENTADO

TRIAL: IPTT 47

YEAR: 1984

EXP. VARIETY: ACROSS 3447

COUNTRY-SITE CODES

20712 - MEXICO

TLALTIZAPAN

20711 - MEXICO

CD. OBREGON

| PROG       | KG/HA |       |      | DAYS TO SILK |       |      | PLANT HEIGHT |       |      |
|------------|-------|-------|------|--------------|-------|------|--------------|-------|------|
|            | 20712 | 20711 | MEAN | 20712        | 20711 | MEAN | 20712        | 20711 | MEAN |
| 2          | 10650 | 3826  | 7238 | 61           | 74    | 68   | 230          | 206   | 218  |
| 17         | 9963  | 5438  | 7701 | 61           | 77    | 69   | 209          | 166   | 187  |
| 18         | 10997 | 3608  | 7302 | 61           | 76    | 68   | 223          | 181   | 202  |
| 72         | 10316 | 3751  | 7033 | 58           | 76    | 67   | 223          | 170   | 196  |
| 107        | 10669 | 3667  | 7168 | 61           | 74    | 67   | 214          | 178   | 196  |
| 109        | 10515 | 4464  | 7489 | 62           | 77    | 69   | 219          | 170   | 194  |
| 121        | 11277 | 3458  | 7367 | 62           | 77    | 69   | 241          | 201   | 221  |
| 123        | 10239 | 3860  | 7049 | 61           | 74    | 67   | 234          | 188   | 211  |
| 205        | 9945  | 4043  | 6994 | 60           | 78    | 69   | 224          | 167   | 195  |
| 227        | 9795  | 4577  | 7186 | 61           | 76    | 68   | 208          | 182   | 195  |
| SEL MEAN   | 10437 | 4069  | 7253 | 61           | 76    | 68   | 222          | 181   | 202  |
| POP MEAN   | 8899  | 2986  | 5943 | 61           | 76    | 68   | 217          | 178   | 197  |
| CHECK MEAN | 7888  | 2660  | 5274 | 62           | 77    | 70   | 213          | 193   | 203  |
| BEST CHECK | 7979  | 4524  | 6251 | 63           | 76    | 69   | 215          | 200   | 208  |
| CV         | 9.4   | 24.8  | 17.1 |              |       |      |              |       |      |
| LSD(5%)    | 1644  | 1455  | 1549 |              |       |      |              |       |      |

TABLE: 86-P-84

POPULATION: COMP DE HUNGARIA

TRIAL: IPTT 48

LOCATION : DHOLI

INDIA

EXP. VARIETY: DHOLI 8448

7CO-OPERATOR: DR. T. P. SINGH

| PROG<br>NO | KG/HA        | RANK   | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PUCG        | ENDO<br>HARD | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | ROOT<br>LODG | STEM<br>LODG |
|------------|--------------|--------|--------------|------------|-----------|-------------|--------------|--------------|----------------|--------------|-----------------|--------------|--------------|
| 31         | 4574         | 6      | 111          | 120        | 42        | 2.0         | 3.0          | 1.5          | 16.3           | 2.5          | 2.8             | 0.0          | 0.0          |
| 89         | 4329         | 11     | 105          | 120        | 28        | 1.5         | 3.0          | 1.6          | 16.0           | 2.5          | 2.5             | 0.0          | 0.0          |
| 107        | 4413         | 8      | 111          | 114        | 39        | 2.2         | 3.0          | 1.5          | 15.4           | 2.5          | 2.8             | 0.0          | 3.5          |
| 127        | 4953         | 3      | 112          | 118        | 38        | 1.6         | 3.0          | 2.2          | 18.9           | 2.5          | 2.8             | 0.0          | 0.0          |
| 131        | 4405         | 9      | 111          | 134        | 38        | 2.0         | 3.0          | 1.1          | 15.6           | 2.5          | 2.8             | 3.0          | 0.0          |
| 155        | 5203         | 2      | 114          | 117        | 36        | 2.0         | 3.0          | 1.6          | 20.4           | 3.0          | 2.8             | 0.0          | 0.0          |
| 166        | 4351         | 10     | 106          | 108        | 19        | 1.6         | 3.0          | 3.5          | 15.3           | 2.5          | 2.5             | 7.0          | 6.5          |
| 195        | 5529         | 1      | 107          | 125        | 49        | 2.0         | 3.0          | 1.5          | 19.3           | 2.5          | 2.5             | 0.0          | 0.0          |
| 218        | 4568         | 7      | 103          | 98         | 33        | 1.6         | 3.0          | 1.5          | 13.5           | 2.5          | 2.5             | 0.0          | 0.0          |
| 242        | 4630         | 5      | 108          | 123        | 29        | 1.3         | 3.0          | 1.6          | 14.2           | 2.5          | 2.8             | 0.0          | 0.0          |
| SEL MEAN   | 4696         | -      | 109          | 117        | 35        | 1.8         | 3.0          | 1.8          | 16.5           | 2.5          | 2.7             | 1.0          | 1.0          |
| POP MEAN   | 2656         | -      | 107          | 104        | 29        | 1.9         | 3.0          | 2.0          | 11.7           | 3.0          | 2.7             | 1.4          | 2.1          |
| POP RANGE  | 5529-<br>546 | -<br>- | 118-<br>98   | 134-<br>69 | 49-<br>15 | 3.5-<br>1.0 | 3.3-<br>2.8  | 3.6-<br>1.0  | 23.2-<br>1.9   | 3.8-<br>2.5  | 3.5-<br>2.3     | 25.0-<br>0.0 | 19.0-<br>0.0 |
| CHECK MEAN | 2227         | -      | 90           | 93         | 32        | 1.5         | 2.3          | 1.7          | 12.5           | 2.5          | 2.4             | 0.0          | 0.0          |
| BEST CHECK | 4697         | -      | 108          | 99         | 28        | 2.0         | 2.5          | 2.0          | 26.1           | 2.5          | 2.8             | 0.0          | 0.0          |
| C. V.      | 32.6         |        | 1.9          | 14.0       | 31.8      |             |              |              |                |              |                 |              |              |
| 5% LSD     | 1706.0       |        | 4.0          | 28.7       | 18.2      |             |              |              |                |              |                 |              |              |

BEST CHECK: LOCAL CHECK 2

OTHER CHECKS: LOCAL CHECK 6, LOCAL CHECK 1, LOCAL CHECK 3, LOCAL CHECK 5,

TABLE: 87-P-84

POPULATION: COMP DE HUNGARIA

TRIAL: IPTT 48

YEAR: 1984

EXP. VARIETY: ACROSS B448

## COUNTRY-SITE CODES

|                  |             |
|------------------|-------------|
| 20712 - MEXICO   | TLALTIZAPAN |
| 519 3 - TURKEY   | ANTALYA     |
| 807 5 - PAKISTAN | ISLAMABAD   |
| 210 3 - U. S. A. | EL PASO     |
| 804 7 - INDIA    | DHOLI       |

| PROG       | KG/HA |       |       |       |       |      | DAYS TO SILK |       |       |       |       |      | PLANT HEIGHT |       |       |       |       |      |
|------------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|
|            | 20712 | 51903 | 80705 | 21003 | 80407 | MEAN | 20712        | 51903 | 80705 | 21003 | 80407 | MEAN | 20712        | 51903 | 80705 | 21003 | 80407 | MEAN |
| 31         | 8317  | 7265  | 4307  | 5231  | 4574  | 5939 | 54           | 53    | 52    | 69    | 111   | 68   | 185          | 235   | 225   | 213   | 120   | 196  |
| 54         | 7875  | 6745  | 3821  | 5553  | 4289  | 5656 | 54           | 53    | 52    | 70    | 109   | 68   | 195          | 250   | 243   | 229   | 105   | 204  |
| 87         | 8221  | 7137  | 6693  | 4033  | 3068  | 5830 | 52           | 52    | 53    | 64    | 106   | 65   | 190          | 230   | 223   | 213   | 113   | 194  |
| 90         | 7125  | 7855  | 4580  | 5356  | 1397  | 5262 | 55           | 53    | 51    | 68    | 111   | 68   | 198          | 238   | 243   | 229   | 102   | 202  |
| 103        | 8337  | 7147  | 3547  | 3853  | 3676  | 5312 | 54           | 53    | 52    | 69    | 108   | 67   | 190          | 233   | 225   | 213   | 89    | 190  |
| 120        | 8853  | 8016  | 5623  | 4893  | 3533  | 6184 | 58           | 56    | 54    | 67    | 114   | 70   | 203          | 243   | 223   | 198   | 120   | 197  |
| 152        | 8089  | 7141  | 4206  | 5273  | 3088  | 5559 | 57           | 56    | 55    | 67    | 111   | 69   | 190          | 245   | 233   | 213   | 88    | 194  |
| 176        | 9799  | 8068  | 6106  | 3668  | 3266  | 6181 | 55           | 54    | 53    | 65    | 108   | 67   | 205          | 225   | 243   | 213   | 120   | 201  |
| 195        | 9518  | 7510  | 4431  | 4289  | 5529  | 6255 | 56           | 56    | 54    | 64    | 107   | 67   | 190          | 220   | 225   | 213   | 125   | 195  |
| 240        | 8379  | 8506  | 3480  | 4552  | 2774  | 5538 | 53           | 53    | 53    | 69    | 113   | 68   | 190          | 243   | 225   | 213   | 103   | 195  |
| SEL MEAN   | 8451  | 7539  | 4679  | 4670  | 3519  | 5772 | 55           | 54    | 53    | 67    | 110   | 68   | 194          | 236   | 224   | 215   | 108   | 197  |
| POP MEAN   | 7032  | 5978  | 3205  | 4355  | 2666  | 4647 | 54           | 53    | 52    | 67    | 107   | 67   | 184          | 221   | 212   | 210   | 104   | 188  |
| CHECK MEAN | 6468  | 7794  | 3674  | 0     | 2227  | 5041 | 52           | 56    | 55    | 0     | 90    | 63   | 177          | 244   | 225   | 0     | 93    | 184  |
| BEST CHECK | 8167  | 9250  | 5365  | 0     | 4697  | 6869 | 52           | 55    | 54    | 0     | 108   | 67   | 188          | 245   | 220   | 0     | 99    | 188  |
| CV         | 11.8  | 18.1  | 25.0  | 0.0   | 32.6  | 21.9 |              |       |       |       |       |      |              |       |       |       |       |      |
| LSD(5%)    | 1634  | 2145  | 1585  | 0     | 1706  | 1768 |              |       |       |       |       |      |              |       |       |       |       |      |



TABLE: 88-P-84

POPULATION: POP.66(CYL DENT CPM) TRIAL: IPTT 66

LOCATION: EL VALLECITO SELVIA

EXP. VARIETY: EL VALLECITO 8466

9CD-OPERATOR: KATRIN L. DE COSTAS, I.T.A. EL VALLECITO, UAGRM

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>MT  | EAR<br>MT | STEM<br>LDDG | ROOT<br>LDDG | WEAR<br>ROT  | CURV        | PUCC        | ENDO<br>HARD | HELM        | PLANTS<br>HARV |
|------------|---------------|------|--------------|-------------|-----------|--------------|--------------|--------------|-------------|-------------|--------------|-------------|----------------|
| 23         | 4831          | 12   | 60           | 177         | 95        | 0.0          | 0.0          | 2.5          | 1.0         | 1.0         | 2.0          | 1.0         | 19.0           |
| 28         | 4961          | 9    | 57           | 167         | 72        | 0.0          | 0.0          | 5.1          | 1.0         | 1.0         | 2.0          | 1.0         | 20.0           |
| 52         | 5243          | 4    | 57           | 178         | 81        | 0.0          | 0.0          | 8.3          | 1.5         | 1.0         | 2.5          | 1.0         | 21.5           |
| 70         | 4866          | 13   | 57           | 172         | 78        | 0.0          | 0.0          | 5.0          | 1.0         | 1.0         | 2.0          | 1.0         | 21.5           |
| 73         | 4834          | 11   | 57           | 166         | 74        | 0.0          | 0.0          | 4.8          | 1.5         | 1.0         | 2.0          | 1.0         | 21.5           |
| 96         | 4777          | 21   | 54           | 167         | 73        | 0.0          | 0.0          | 2.5          | 1.0         | 1.0         | 2.0          | 1.0         | 19.5           |
| 108        | 4836          | 15   | 59           | 167         | 73        | 0.0          | 0.0          | 4.8          | 1.0         | 1.0         | 2.0          | 1.0         | 22.0           |
| 113        | 4906          | 20   | 57           | 169         | 78        | 0.0          | 0.0          | 4.8          | 1.0         | 1.0         | 2.5          | 1.0         | 21.0           |
| 134        | 4922          | 17   | 57           | 154         | 63        | 4.8          | 0.0          | 0.0          | 1.0         | 1.0         | 3.0          | 1.0         | 21.5           |
| 155        | 5113          | 6    | 41           | 152         | 67        | 2.3          | 4.5          | 7.9          | 1.0         | 1.0         | 2.0          | 1.0         | 22.0           |
| SEL MEAN   | 4915          | -    | 57           | 167         | 74        | 0.7          | 0.4          | 4.6          | 1.1         | 1.0         | 2.2          | 1.0         | 21.0           |
| POP MEAN   | 3792          | -    | 59           | 161         | 59        | 0.7          | 0.4          | 9.2          | 1.1         | 1.0         | 2.4          | 1.1         | 19.7           |
| POP RANGE  | 5725-<br>1475 | -    | 43-<br>54    | 130-<br>131 | 91-<br>41 | 9.3-<br>0.0  | 10.0-<br>0.0 | 51.8-<br>0.0 | 3.0-<br>1.0 | 2.5-<br>1.0 | 3.5-<br>1.0  | 1.5-<br>1.0 | 22.0-<br>12.0  |
| CHECK MEAN | 3946          | -    | 62           | 174         | 79        | 0.5          | 0.0          | 7.9          | 1.1         | 1.1         | 2.2          | 1.0         | 19.8           |
| BEST CHECK | 4862          | -    | 54           | 198         | 91        | 5.3          | 0.0          | 2.3          | 1.0         | 1.0         | 3.5          | 1.0         | 20.5           |
| C.V.       | 22.1          |      | 3.0          | 7.4         | 13.6      |              |              |              |             |             |              |             |                |
| SE LSD     | 1592.4        |      | 2.4          | 24.0        | 18.7      |              |              |              |             |             |              |             |                |

BEST CHECK: CUBAN AMARILLO

OTHER CHECKS: BOCAL 670, AMARILLO CRISTALINO, BOCAL 560, TUXP. 1HF02, SUWAN-SAAVEDRA

TABLE: 89-P-84

POPULATION: POP.66(CYL DENT CFM) TRIAL: IPTT 66

LOCATION : PICHILINGUE ECUADOR

EXP. VARIETY: PICHILINGUE 8466

ICO-OPERATOR:ING. SANTIAGO CRESPO C.

| PROG<br>NO | KG/HA         | RANK | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT   | YIELD<br>PDT | CURV        | ROYA        | ENDO<br>HARD | HELM        | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. |
|------------|---------------|------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|----------------|--------------|--------------|
| 28         | 6996          | 21   | 51           | 260         | 145         | 2.5          | 3.0         | 2.0         | 3.0          | 2.5         | 21.0           | 3.0          | 0.0          |
| 37         | 6873          | 28   | 55           | 255         | 128         | 7.8          | 3.0         | 2.5         | 2.5          | 3.0         | 20.0           | 3.0          | 7.8          |
| 41         | 6872          | 29   | 54           | 258         | 142         | 7.1          | 3.0         | 2.0         | 2.5          | 2.5         | 20.5           | 2.5          | 4.9          |
| 51         | 7497          | 10   | 57           | 259         | 140         | 6.8          | 2.5         | 2.0         | 2.0          | 2.5         | 22.0           | 3.0          | 6.8          |
| 60         | 6776          | 32   | 56           | 272         | 141         | 7.6          | 2.5         | 2.0         | 3.5          | 2.0         | 20.0           | 2.5          | 2.4          |
| 128        | 6952          | 24   | 55           | 270         | 153         | 5.3          | 3.0         | 2.0         | 3.0          | 2.5         | 20.5           | 2.5          | 5.0          |
| 167        | 7196          | 19   | 55           | 271         | 148         | 5.6          | 3.0         | 2.0         | 3.5          | 2.0         | 19.5           | 2.5          | 2.5          |
| 169        | 7485          | 11   | 54           | 246         | 143         | 4.8          | 2.0         | 1.5         | 2.0          | 2.0         | 21.5           | 3.0          | 12.1         |
| 202        | 6639          | 27   | 52           | 255         | 130         | 5.3          | 3.0         | 2.0         | 3.0          | 2.5         | 19.5           | 3.0          | 10.0         |
| 205        | 6834          | 30   | 53           | 265         | 141         | 4.8          | 3.0         | 2.0         | 3.5          | 2.5         | 22.0           | 3.0          | 0.0          |
| SEL MEAN   | 7038          | -    | 54           | 242         | 141         | 5.8          | 2.8         | 2.0         | 2.8          | 2.4         | 20.6           | 2.8          | 5.2          |
| PDP MEAN   | 5605          | -    | 54           | 258         | 136         | 6.7          | 3.0         | 2.0         | 3.2          | 2.4         | 19.5           | 3.1          | 6.6          |
| PDP RANGE  | 3471-<br>2697 | -    | 60-<br>50    | 313-<br>204 | 165-<br>110 | 32.2-<br>0.0 | 4.0-<br>2.0 | 2.5-<br>1.5 | 4.5-<br>2.0  | 3.0-<br>1.5 | 22.0-<br>14.0  | 4.0-<br>2.0  | 31.3-<br>0.0 |
| CHECK MEAN | 5436          | -    | 57           | 279         | 143         | 9.8          | 3.1         | 2.0         | 2.8          | 2.6         | 16.0           | 3.0          | 4.0          |
| BEST CHECK | 7531          | -    | 57           | 294         | 150         | 7.0          | 2.5         | 2.0         | 2.5          | 2.0         | 20.0           | 2.5          | 9.1          |
| C.V.       | 14.7          |      | 2.0          | 5.6         | 6.9         |              |             |             |              |             |                |              |              |
| 5% LSD     | 1520.5        |      | 2.2          | 29.3        | 18.5        |              |             |             |              |             |                |              |              |

BEST CHECK: LCCAL CHECK 1

OTHER CHECKS: LCC. CHECK2, LDC. CHECK3, LCC. CHECK4, LDC. CHECK5, LDC. CHECK6

TABLE: 90-P-84

POPULATION: POP. 66 (YL DENT GPM) TRIAL: IPTT 66

LOCATION: GUARARE

PANAMA

EXP. VARIETY: GUARARE (1) 8466

7CO-OPERATOR: DANIEL F. PEREZ, ALFONSO ALVARADO, IDIAR

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODG | %EAR<br>ROT  | HELM<br>MAYD | PUCC        | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H. C. | PLANT<br>ASPECT |
|------------|---------------|--------|--------------|-------------|------------|--------------|--------------|--------------|-------------|----------------|--------------|---------------|-----------------|
| 4          | 5173          | 7      | 54           | 204         | 111        | 11.9         | 11.1         | 2.5          | 2.0         | 21.0           | 2.0          | 6.7           | 2.0             |
| 47         | 5199          | 6      | 54           | 207         | 109        | 14.1         | 11.6         | 2.0          | 2.0         | 21.5           | 2.0          | 9.2           | 2.0             |
| 52         | 4663          | 36     | 54           | 218         | 116        | 15.8         | 2.8          | 2.0          | 2.5         | 19.5           | 2.0          | 7.8           | 2.0             |
| 61         | 5764          | 1      | 54           | 203         | 105        | 12.3         | 4.5          | 2.0          | 2.5         | 20.5           | 2.0          | 2.3           | 2.0             |
| 70         | 4628          | 39     | 54           | 226         | 121        | 7.5          | 7.5          | 2.0          | 2.0         | 20.0           | 2.0          | 5.0           | 2.0             |
| 85         | 5292          | 5      | 54           | 217         | 124        | 9.4          | 8.7          | 2.0          | 2.5         | 21.5           | 2.0          | 4.3           | 2.0             |
| 135        | 5489          | 2      | 54           | 199         | 101        | 15.0         | 5.6          | 2.0          | 2.5         | 20.0           | 2.0          | 5.6           | 2.0             |
| 152        | 5073          | 11     | 54           | 206         | 115        | 14.8         | 7.5          | 2.0          | 2.0         | 21.0           | 2.0          | 6.8           | 2.0             |
| 187        | 5143          | 10     | 54           | 210         | 107        | 11.4         | 7.1          | 2.0          | 2.0         | 22.0           | 2.0          | 7.1           | 2.0             |
| 240        | 4525          | 57     | 54           | 206         | 111        | 14.3         | 9.8          | 2.0          | 2.0         | 21.0           | 2.0          | 4.9           | 2.0             |
| BEL MEAN   | 5095          | -      | 54           | 210         | 112        | 12.7         | 7.6          | 2.0          | 2.2         | 20.8           | 2.0          | 6.0           | 2.0             |
| POP MEAN   | 4034          | -      | 54           | 209         | 111        | 12.3         | 11.8         | 2.1          | 2.1         | 21.0           | 2.0          | 6.5           | 2.0             |
| POP RANGE  | 5764-<br>2122 | -<br>- | 54-<br>54    | 241-<br>164 | 130-<br>92 | 24.6-<br>4.8 | 31.7-<br>0.0 | 2.5-<br>2.0  | 3.0-<br>2.0 | 22.5-<br>18.0  | 3.5-<br>2.0  | 20.0-<br>0.0  | 2.5-<br>2.0     |
| CHECK MEAN | 4545          | -      | 54           | 214         | 111        | 16.7         | 3.4          | 2.1          | 2.1         | 19.5           | 2.1          | 7.2           | 2.0             |
| BEST CHECK | 5441          | -      | 54           | 215         | 111        | 17.2         | 5.1          | 2.5          | 2.5         | 20.0           | 2.0          | 5.1           | 2.0             |
| C. V       | 14.3          |        | 0.0          | 6.3         | 7.3        |              |              |              |             |                |              |               |                 |
| 5% LSD     | 1133.4        |        | 0.0          | 25.8        | 20.2       |              |              |              |             |                |              |               |                 |

BEST CHECK: X-5900

OTHER CHECKS: X-3090, XOMO-3, X-3068, ACROSS 7726, X-304C

TABLE: 91-P-84

POPULATION: POP.66(CYL DENT QPM)

TRIAL: IPTT 66

LOCATION : DELHI

INDIA

EXP. VARIETY: DELHI 8466

ICO-OPERATOR:DIRECTOR, N.B.P.G.P.

| PROG<br>NO | KG/HA | RANK | DAYS<br>SILK | PLANTS<br>HARV | EARS/<br>PLNT |  |
|------------|-------|------|--------------|----------------|---------------|--|
| 15         | 1451  | 13   | 54           | 11.0           | 1.0           |  |
| 89         | 1555  | 4    | 54           | 11.5           | 1.0           |  |
| 104        | 1589  | 2    | 55           | 12.0           | 1.2           |  |
| 110        | 1429  | 17   | 55           | 10.0           | 1.0           |  |
| 145        | 1629  | 1    | 54           | 13.5           | 0.9           |  |
| 148        | 1503  | 8    | 51           | 11.0           | 1.1           |  |
| 194        | 1404  | 19   | 54           | 14.5           | 0.9           |  |
| 213        | 1429  | 16   | 54           | 13.0           | 1.0           |  |
| 214        | 1548  | 5    | 55           | 12.5           | 1.0           |  |
| 240        | 1389  | 20   | 54           | 12.5           | 0.9           |  |
| SEL MEAN   | 1492  | -    | 54           | 12.1           | 1.0           |  |
| POP MEAN   | 1108  | -    | 54           | 12.5           | 0.9           |  |
| POP RANGE  | 1629- | -    | 62-          | 18.5-          | 1.8-          |  |
|            | 268   | -    | 49           | 7.5            | 0.4           |  |
| CHECK MEAN | 1041  | -    | 55           | 12.3           | 0.9           |  |
| BEST CHECK | 1516  | -    | 56           | 17.0           | 0.7           |  |
| C.V.       | 22.2  |      | 7.9          | 18.1           | 21.3          |  |
| 5% LSD     | 485.0 |      | 4.2          | 4.4            | 13.0          |  |

BEST CHECK:GANGA 2

OTHER CHECKS:DECCAM 103, 50/SN COMP., GANGA 5, SHEKTI, LOCAL CHECK



TABLE: 93-P-84

POPULATION: POP. 68 (TEM BL DE GPM TRIAL. IPTT 68)

LOCATION : IBOPERENDA

BOLIVIA

EXP. VARIETY: IBOPERENDA 8468

7CO-OPERATOR: ALBERTO HINOJOSA PADILLA, CORDECH

| PROG NO    | KG/HA      | RANK | DAYS SILK | PLNT HT | EAR HT | STEM LODG | ROOT LODG | %EAR ROI | ENDO HARD | PLANTS HARV | EAR ASPCT | PLANT ASPECT | EARS/PLN] |
|------------|------------|------|-----------|---------|--------|-----------|-----------|----------|-----------|-------------|-----------|--------------|-----------|
| 17         | 9369       | 12   | 61        | 210     | 108    | 3.8       | 3.8       | 6.6      | 2.0       | 18.4        | 1.0       | 1.5          | 1.4       |
| 68         | 9075       | 20   | 60        | 192     | 102    | 0.0       | 0.0       | 27.4     | 2.0       | 19.1        | 2.0       | 1.0          | 1.1       |
| 81         | 8652       | 25   | 59        | 189     | 95     | 5.6       | 0.0       | 19.2     | 2.0       | 19.0        | 1.0       | 1.5          | 1.0       |
| 90         | 9961       | 4    | 62        | 201     | 104    | 0.0       | 0.0       | 20.0     | 2.5       | 18.8        | 2.5       | 1.0          | 1.5       |
| 111        | 9080       | 19   | 59        | 190     | 88     | 4.8       | 0.0       | 16.3     | 2.0       | 19.6        | 1.0       | 1.0          | 1.2       |
| 120        | 8784       | 22   | 59        | 202     | 98     | 5.2       | 0.0       | 26.8     | 2.0       | 18.6        | 1.5       | 1.5          | 1.1       |
| 201        | 9586       | 8    | 60        | 183     | 83     | 0.0       | 0.0       | 4.4      | 2.0       | 20.0        | 1.0       | 1.0          | 1.1       |
| 221        | 9335       | 14   | 59        | 202     | 100    | 0.0       | 0.0       | 18.4     | 2.0       | 18.7        | 1.5       | 1.5          | 1.3       |
| 229        | 10133      | 2    | 61        | 197     | 99     | 0.0       | 0.0       | 11.5     | 2.0       | 19.8        | 1.0       | 1.0          | 1.1       |
| 233        | 8853       | 21   | 60        | 181     | 87     | 2.3       | 2.5       | 25.9     | 2.0       | 20.1        | 2.0       | 1.0          | 1.1       |
| SEL MEAN   | 9283       | -    | 60        | 195     | 96     | 2.2       | 0.6       | 17.6     | 2.0       | 19.2        | 1.5       | 1.2          | 1.2       |
| POP MEAN   | 7122       | -    | 60        | 193     | 95     | 5.0       | 0.3       | 23.7     | 2.0       | 18.2        | 2.0       | 1.4          | 1.1       |
| POP RANGE  | 10161-4055 | -    | 66-58     | 231-148 | 124-62 | 36.1-0.0  | 11.1-0.0  | 66.7-0.0 | 3.0-1.5   | 22.1-10.7   | 3.5-1.0   | 3.0-1.0      | 1.6-0.7   |
| CHECK MEAN | 8504       | -    | 68        | 214     | 114    | 2.4       | 0.0       | 9.9      | 1.4       | 18.7        | 1.8       | 1.0          | 1.3       |
| BEST CHECK | 9573       | -    | 70        | 212     | 108    | 7.1       | 0.0       | 8.8      | 2.0       | 19.6        | 2.0       | 1.0          | 1.5       |
| C. V.      | 22.9       |      | 2.4       | 8.2     | 14.6   |           |           |          |           |             |           |              |           |
| 5% LSD     | 3214.9     |      | 2.8       | 31.3    | 27.3   |           |           |          |           |             |           |              |           |

BEST CHECK: IBOP 6

OTHER CHECKS: IBOP 5, IBOP 9, IBOP 8, IBOP 2, IBOP 7

TABLE: 94-P-84

POPULATION: POP.68(TEM BL DE QPM TRIAL: IPTT 68

LOCATION : DELHI

INDIA

EXP. VARIETY: DELHI 8468

ICO-OPERATOR:DIRECTOR, N.B.P.G.R.

| PROG<br>NO | KG/HA  | RANK | DAYS<br>SILK | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|--------|------|--------------|----------------|---------------|
| 7          | 3548   | 8    | 52           | 13.0           | 0.9           |
| 9          | 3705   | 3    | 52           | 12.5           | 0.9           |
| 32         | 3286   | 15   | 55           | 11.0           | 0.8           |
| 81         | 3243   | 19   | 53           | 10.0           | 0.9           |
| 82         | 3623   | 4    | 53           | 12.0           | 0.8           |
| 171        | 3431   | 10   | 54           | 14.5           | 1.0           |
| 190        | 3285   | 17   | 50           | 13.0           | 0.8           |
| 217        | 3812   | 1    | 51           | 11.0           | 0.9           |
| 245        | 3708   | 2    | 50           | 12.5           | 0.9           |
| 249        | 3227   | 21   | 51           | 14.0           | 0.9           |
| SEL MEAN   | 3487   | -    | 52           | 12.4           | 0.9           |
| POP MEAN   | 2481   | -    | 53           | 12.9           | 0.9           |
| POP RANGE  | 3812-  | -    | 60-          | 20.0-          | 1.6-          |
|            | 1231   | -    | 47           | 5.0            | 0.4           |
| CHECK MEAN | 2342.  | -    | 54           | 10.9           | 0.3           |
| BEST CHECK | 3285   | -    | 52           | 10.0           | 0.7           |
| C.V.       | 24.5   |      | 5.7          | 21.4           | 17.4          |
| 5% LSD     | 1196.9 |      | 6.0          | 5.5            | 8.5           |

BEST CHECK:SHAKTI

OTHER CHECKS:GANGA 5, LOC. CHECK, 50/SN, GANGA 2, DECCAM 103

TABLE: 95-P-84

POPULATION: POP. 68(TEM BL DE GPM

TRIAL: IPTT 68

YEAR: 1984

EXP. VARIETY: ACROSS 8468

COUNTRY-SITE CODES

|                 |             |
|-----------------|-------------|
| 20712 - MEXICO  | TLALTIZAPAN |
| 620 3 - SENEGAL | NIORO       |
| 804 1 - INDIA   | DELHI       |
| 10334 - BRAZIL  | CRUZ ALTA   |
| 102 7 - BOLIVIA | IBOPERENDA  |

| PROC       | KG/HA |       |       |       |       |      | DAYS TO SILK |       |       |       |       |      | PLANT HEIGHT |       |       |      |
|------------|-------|-------|-------|-------|-------|------|--------------|-------|-------|-------|-------|------|--------------|-------|-------|------|
|            | 20712 | 62003 | 80401 | 10334 | 10207 | MEAN | 20712        | 62003 | 80401 | 10334 | 10207 | MEAN | 20712        | 62003 | 10207 | MEAN |
| 29         | 9096  | 1960  | 2215  | 4946  | 9902  | 5624 | 55           | 49    | 57    | 62    | 60    | 57   | 223          | 127   | 214   | 188  |
| 43         | 8896  | 2191  | 3033  | 7273  | 8568  | 5992 | 56           | 54    | 53    | 60    | 60    | 56   | 220          | 114   | 189   | 174  |
| 74         | 9462  | 1510  | 2898  | 8242  | 8497  | 6122 | 59           | 52    | 56    | 62    | 60    | 58   | 225          | 115   | 191   | 177  |
| 88         | 8221  | 1595  | 2478  | 6109  | 8466  | 5374 | 56           | 50    | 53    | 65    | 59    | 57   | 218          | 118   | 196   | 177  |
| 90         | 10980 | 2319  | 3017  | 6497  | 9961  | 6555 | 57           | 50    | 49    | 60    | 62    | 55   | 225          | 128   | 201   | 185  |
| 103        | 9774  | 1083  | 2139  | 7079  | 7393  | 5494 | 56           | 49    | 58    | 60    | 60    | 57   | 213          | 100   | 208   | 174  |
| 135        | 8923  | 1731  | 1949  | 6788  | 7862  | 5451 | 57           | 48    | 53    | 60    | 60    | 56   | 233          | 150   | 200   | 194  |
| 144        | 8643  | 1013  | 3003  | 6982  | 7779  | 5484 | 56           | 48    | 53    | 59    | 62    | 55   | 233          | 147   | 205   | 195  |
| 202        | 8505  | 2752  | 2347  | 6400  | 8008  | 5602 | 56           | 51    | 51    | 60    | 61    | 56   | 210          | 108   | 183   | 167  |
| 210        | 8802  | 2130  | 2417  | 6788  | 7451  | 5517 | 57           | 52    | 52    | 65    | 60    | 57   | 218          | 131   | 204   | 184  |
| SEL MEAN   | 9130  | 1828  | 2550  | 6710  | 8389  | 5721 | 57           | 50    | 53    | 61    | 60    | 56   | 222          | 124   | 199   | 181  |
| POP MEAN   | 8129  | 1472  | 2484  | 5025  | 7089  | 4840 | 57           | 50    | 53    | 63    | 60    | 56   | 217          | 121   | 193   | 177  |
| CHECK MEAN | 9238  | 862   | 2342  | 5931  | 8504  | 5375 | 58           | 0     | 54    | 73    | 68    | 63   | 216          | 116   | 0     | 0    |
| BEST CHECK | 10838 | 1486  | 3285  | 9600  | 9573  | 6956 | 61           | 0     | 52    | 73    | 70    | 64   | 228          | 120   | 0     | 0    |
| CV         | 9.4   | 39.0  | 24.5  | 29.1  | 22.9  | 25.0 |              |       |       |       |       |      |              |       |       |      |
| LSD(5%)    | 1505  | 1120  | 1197  | 2892  | 3215  | 1986 |              |       |       |       |       |      |              |       |       |      |



TABLE: 96-P-84

POPULATION: POP. 70 (TEM AM DE GPM TRIAL: IPTT 70)

LOCATION: CAMPICHUELO

ARGENTINA

EXP. VARIETY CAMPICHUELO 8470

BCO-OPERATOR ING NESTOR P. BARACCO, COMPANIA CONTINENTAL

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | STEM<br>LODC | PLANTS<br>HARV | PLANT<br>ASPECT |
|------------|---------------|--------|--------------|-------------|------------|--------------|----------------|-----------------|
| 6          | 5129          | 24     | 52           | 270         | 120        | 4.2          | 23.5           | 3.5             |
| 25         | 5199          | 20     | 52           | 255         | 105        | 2.5          | 19.0           | 3.5             |
| 54         | 5496          | 11     | 55           | 265         | 110        | 7.7          | 25.0           | 3.0             |
| 65         | 5308          | 18     | 54           | 270         | 100        | 2.9          | 18.5           | 3.5             |
| 81         | 5382          | 14     | 53           | 240         | 100        | 4.2          | 23.0           | 3.0             |
| 110        | 5115          | 26     | 52           | 260         | 115        | 2.5          | 20.5           | 3.0             |
| 145        | 5858          | 8      | 54           | 265         | 105        | 8.7          | 23.0           | 3.0             |
| 163        | 6675          | 3      | 54           | 245         | 120        | 15.2         | 23.0           | 3.0             |
| 184        | 5449          | 12     | 54           | 265         | 105        | 9.7          | 21.0           | 3.5             |
| 219        | 5767          | 9      | 53           | 275         | 120        | 15.2         | 23.0           | 3.0             |
| SEL MEAN   | 5538          | -      | 53           | 261         | 110        | 7.3          | 22.0           | 3.2             |
| POP MEAN   | 4028          | -      | 53           | 256         | 107        | 9.5          | 21.1           | 3.4             |
| POP RANGE  | 6675-<br>1582 | -<br>- | 56-<br>48    | 300-<br>205 | 135-<br>75 | 42.5-<br>0.0 | 25.0-<br>14.0  | 4.5-<br>2.5     |
| CHECK MEAN | 5942          | -      | 55           | 295         | 142        | 5.9          | 20.4           | 3.0             |
| BEST CHECK | 8495          | -      | 56           | 300         | 135        | 0.0          | 23.5           | 2.0             |
| C. V       | 22.5          |        |              | 6.8         | 12.1       |              | 9.9            |                 |
| 5% LSD     | 1784.1        |        |              | 34.4        | 25.7       |              | 4.1            |                 |

BEST CHECK: CARGILL T-228

OTHER CHECKS: CARGILL T-226, LEALES 25, LEALES 25, CARGILL T-226, CARGILL

TABLE: 97-P-84

POPULATION: PGP.70CTEM AM DE QPM TRIAL: IPTT 70

LOCATIONN : DELHI

INDIA

EXP. VARIETY: DELHI 8470

ICD-OPERATOR:DIRECTOR, N.B.P.G.R.

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|---------------|--------|--------------|----------------|---------------|
| 14         | 3250          | 18     | 55           | 14.0           | 0.8           |
| 26         | 3114          | 24     | 57           | 15.0           | 0.9           |
| 33         | 7031          | 1      | 55           | 13.5           | 1.0           |
| 99         | 3118          | 23     | 53           | 14.0           | 1.0           |
| 126        | 3291          | 14     | 56           | 14.0           | 0.9           |
| 129        | 4646          | 2      | 57           | 11.5           | 1.0           |
| 138        | 3139          | 22     | 56           | 14.0           | 1.0           |
| 196        | 3405          | 8      | 57           | 12.0           | 1.0           |
| 201        | 3518          | 5      | 54           | 13.0           | 0.9           |
| 222        | 3254          | 17     | 56           | 16.0           | 0.9           |
| SEL MEAN   | 3777          | -      | 56           | 13.7           | 0.9           |
| POP MEAN   | 2525          | -      | 55           | 12.8           | 0.9           |
| POP RANGE  | 7031-<br>1006 | -<br>- | 67-<br>26    | 23.0-<br>5.5   | 4.3-<br>0.0   |
| CHECK MEAN | 2659          | -      | 53           | 11.9           | 1.0           |
| BEST CHECK | 2933          | -      | 61           | 15.0           | 1.0           |
| C.V.       | 34.7          |        | 11.8         | 21.3           | 22.2          |
| 5% LSD     | 1725.7        |        | 12.8         | 5.4            | 8.3           |

BEST CHECK:GANGA 103  
OTHER CHECKS:SHAKTI, 50/SN, LOCAL CHECK, GANGA 2, GANGA 5



**Tables Summarizing Final 1984 Results  
Experimental Variety Trials (EVTs)**  
(Resumen de los resultados finales  
de los Ensayos de Variedades Experimentales (EVT), 1984)

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|                   | Indonesia, Muneng                     | 176-V-84                  | 139                    |
|                   | Vietnam, Hung-Loc                     | 177-V-84                  | 140                    |
|                   | Vietnam, Ho-Chi-Minh City             | 178-V-84                  | 141                    |
|                   | Across locations (En todas las locs.) | 179-V-84                  | 142                    |
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|                   | Mexico, Ciudad Obregon                | 181-V-84                  | 144                    |
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|                   | St. Kitts, Mansion                    | 183-V-84                  | 146                    |
|                   | St. Kitts, Needsmust                  | 184-V-84                  | 147                    |
|                   | Gabon, Lebamba                        | 185-V-84                  | 148                    |
|                   | Kenya, HIRS                           | 186-V-84                  | 149                    |
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|                   | Bolivia, Iboperenda                   | 193-V-84                  | 156                    |
|                   | Brazil, Sete Lagoas                   | 194-V-84                  | 157                    |
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TABLE: 118-V-84

EVT12A YEAR 1984 POLIVIA IBOPERENDA  
 CO-OPERATOR: ALBERTO HINOJOSA PACILLA

| ENTRY NO./PEDIGREE | KG/HA  | BEST<br>CHECK | DAYS<br>STLK | PLNT<br>HT | EAR<br>HT | STEM<br>LOG | %EAR<br>RDT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|---------------|--------------|------------|-----------|-------------|-------------|----------------|---------------|-----------------|---------------|------------|------|
| 8 Ferke            | 8243   | 7604          | 125          | 69         | 220       | 118         | 2.0         | 9.0            | 36.8          | 1.8             | 1.0           | 1.0        | 25.8 |
| 1 Potchefstroom    | 8121   | 7325          | 123          | 67         | 193       | 98          | 2.8         | 5.6            | 35.5          | 1.8             | 1.5           | 1.1        | 22.0 |
| 12 Sta. Rosa (1)   | 8243   | 7313          | 120          | 69         | 230       | 120         | 6.1         | 11.2           | 33.0          | 1.8             | 1.0           | 1.1        | 21.2 |
| 7 Catacamas (1)    | 8243   | 7270          | 119          | 69         | 222       | 120         | 5.6         | 12.5           | 35.5          | 1.5             | 1.0           | 1.1        | 24.5 |
| 14 Across          | 8243   | 7095          | 116          | 69         | 205       | 103         | 4.1         | 6.2            | 36.5          | 1.8             | 1.3           | 1.0        | 24.1 |
| 3 Palmira          | 8129   | 6872          | 113          | 67         | 198       | 103         | 4.2         | 12.0           | 35.8          | 2.0             | 1.5           | 1.0        | 25.5 |
| 5 Across           | 8129   | 6592          | 110          | 65         | 198       | 98          | 4.6         | 12.2           | 33.5          | 2.2             | 1.5           | 1.2        | 22.3 |
| 2 El Plantel(1)    | 8129   | 6594          | 109          | 67         | 193       | 95          | 1.5         | 12.6           | 36.5          | 2.3             | 1.5           | 1.1        | 22.3 |
| 10 Ikenne          | 8243   | 5592          | 107          | 69         | 215       | 110         | 2.1         | 10.5           | 36.5          | 2.3             | 1.0           | 1.1        | 22.6 |
| 4 Palmira (1)      | 8129   | 6296          | 103          | 63         | 188       | 85          | 4.9         | 10.0           | 35.8          | 2.0             | 1.5           | 1.1        | 22.0 |
| 9 Ferke (1)        | 8243   | 6265          | 103          | 69         | 215       | 113         | 4.3         | 5.8            | 34.0          | 2.3             | 1.3           | 1.1        | 22.7 |
| 6 Catacamas        | 8243   | 6242          | 102          | 69         | 213       | 113         | 3.2         | 14.6           | 37.5          | 2.3             | 1.0           | 1.0        | 23.5 |
| 16 Across          | 7729RE | 6082          | 100          | 68         | 190       | 95          | 5.6         | 9.3            | 23.5          | 2.3             | 1.8           | 1.0        | 23.7 |
| 13 Suwan           | 8243   | 6074          | 100          | 69         | 222       | 119         | 3.2         | 9.8            | 32.5          | 2.8             | 1.3           | 1.1        | 21.6 |
| 15 Across          | 7622RE | 6052          | 99           | 69         | 200       | 103         | 3.9         | 12.4           | 26.0          | 2.8             | 1.3           | 1.0        | 22.4 |
| 11 Ikenne (1)      | 8243   | 5681          | 93           | 69         | 213       | 110         | 4.4         | 8.8            | 34.5          | 2.5             | 1.5           | 1.1        | 21.4 |
| MEANS              | 6525   | 109           | 58           | 207        | 106       | 5.9         | 10.2        | 35.3           | 2.1           | 1.3             | 1.1           | 23.0       |      |
| MAXIMUM            | 7604   | 125           | 69           | 230        | 120       | 6.1         | 14.6        | 37.5           | 2.8           | 1.8             | 1.2           | 25.8       |      |
| MINIMUM            | 5581   | 93            | 57           | 183        | 85        | 1.5         | 5.6         | 33.0           | 1.5           | 1.0             | 1.0           | 21.2       |      |
| CHECKS (TESTIGOS): |        |               |              |            |           |             |             |                |               |                 |               |            |      |
| 17 TUXP. 1 IBOP.   | 6105   | -             | 68           | 192        | 98        | 2.1         | 4.4         | 35.5           | 1.5           | 1.8             | 1.0           | 23.5       |      |
| 18 LA POSTA IBOP.  | 5713   | -             | 49           | 203        | 105       | 1.2         | 10.7        | 34.8           | 2.3           | 1.8             | 1.1           | 25.6       |      |
| CHECK MEANS        | 5909   | -             | 58           | 202        | 101       | 1.7         | 8.6         | 35.1           | 1.9           | 1.8             | 1.0           | 24.5       |      |
| 5% LSD             | 2269.9 |               | 1.2          | 18.2       | 14.4      |             |             | 4.8            |               |                 |               | 3.2        |      |
| C.V.               | 24.4   |               | 1.3          | 6.2        | 9.6       |             |             | 9.5            |               |                 |               | 9.7        |      |

TABLE. 119-V-84

EVT12A YEAR 1984 COLOMBIA CIAT  
CO-OPERATOR: G. GRANADOS, S. PANDEY

| ENTRY NO / PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | STEM<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT | MOIST<br>% |
|-------------------------|--------|----------------|--------------|--------------|-------------|----------------|--------------|---------------|------------|
| 2 El Plantel(1) 8129    | 6947   | 105            | 59           | 3.8          | 4.2         | 39.8           | 2.9          | 1.0           | 20.6       |
| 9 Ferke (1) 8243        | 6666   | 101            | 61           | 2.4          | 3.7         | 40.3           | 2.6          | 1.0           | 21.4       |
| 13 Suwan 8243           | 6537   | 99             | 60           | 3.0          | 4.7         | 40.8           | 3.0          | 1.1           | 21.1       |
| 15 Across 7622RE        | 6441   | 97             | 59           | 0.0          | 3.1         | 38.3           | 3.3          | 1.1           | 20.5       |
| 12 Sta. Rosa (1) 8243   | 6215   | 94             | 61           | 2.5          | 6.5         | 40.0           | 2.9          | 1.0           | 22.2       |
| 14 Across 8243          | 6199   | 93             | 60           | 7.6          | 3.6         | 40.5           | 2.8          | 1.0           | 20.9       |
| 11 Ikenne (1) 8243      | 6126   | 92             | 61           | 9.2          | 7.4         | 41.5           | 2.9          | 1.0           | 20.9       |
| 8 Ferke 8243            | 6085   | 92             | 60           | 2.7          | 5.6         | 36.8           | 2.8          | 1.1           | 21.6       |
| 7 Catacamas (1) 8243    | 6008   | 91             | 61           | 2.7          | 6.0         | 35.3           | 2.9          | 1.0           | 23.7       |
| 3 Palmira 8129          | 5765   | 87             | 59           | 4.3          | 3.4         | 37.3           | 2.9          | 1.0           | 21.5       |
| 10 Ikenne 8243          | 5673   | 86             | 60           | 5.6          | 3.2         | 38.0           | 3.0          | 1.0           | 22.2       |
| 5 Across 8129           | 5607   | 85             | 59           | 4.0          | 5.4         | 37.0           | 2.9          | 1.0           | 19.8       |
| 16 Across 7729RE        | 5519   | 83             | 60           | 2.5          | 5.7         | 40.0           | 3.1          | 1.0           | 22.1       |
| 4 Palmira (1) 8129      | 5506   | 83             | 59           | 2.1          | 9.6         | 36.5           | 3.0          | 1.0           | 22.4       |
| 6 Catacamas 8243        | 5386   | 81             | 61           | 3.6          | 8.2         | 34.8           | 3.0          | 1.0           | 20.3       |
| 1 Potchefstroom 8121    | 4846   | 73             | 60           | 2.3          | 4.4         | 35.3           | 2.9          | 1.0           | 21.6       |
| MEANS                   | 5970   | 90             | 60           | 3.6          | 5.3         | 38.2           | 2.9          | 1.0           | 21.4       |
| MAXIMUM                 | 6947   | 105            | 61           | 9.2          | 9.6         | 41.5           | 3.3          | 1.1           | 23.7       |
| MINIMUM                 | 4846   | 73             | 59           | 0.0          | 3.1         | 34.8           | 2.6          | 1.0           | 19.8       |
| CHECKS (TESTIGOS):      |        |                |              |              |             |                |              |               |            |
| 17 SUWAN-LA POSTA B C12 | 6631   | -              | 58           | 7.1          | 2.8         | 38.0           | 2.6          | 1.0           | 21.3       |
| 18 ICA 240              | 5923   | -              | 61           | 11.7         | 1.5         | 31.8           | 2.6          | 1.0           | 24.8       |
| CHECK MEANS             | 6277   | -              | 59           | 9.4          | 2.1         | 34.9           | 2.6          | 1.0           | 23.1       |
| 5% LSD                  | 1393.8 |                | 1.5          |              |             | 5.1            |              |               | 2.7        |
| C. V.                   | 16.4   |                | 1.8          |              |             | 9.4            |              |               | 8.7        |

TABLE: 120-V-84

EVT12A YEAR 1984 EL SALVADOR SAN ANDRES(2)

CD-OPERATOR:RUTILIO MENA, CENTA

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RGT | STUNT<br>% | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 1 Potchefstroom 8121  | 6253   | 106            | 56           | 236        | 135       | 3.9          | 2.8          | 11.3        | 13.8       | 43.5           | 2.5           | 10.2         | 2.5             | 1.0           | 34.8       |
| 12 Sta. Rosa (1) 8243 | 6161   | 104            | 58           | 281        | 151       | 5.5          | 3.1          | 11.3        | 12.2       | 41.3           | 2.5           | 10.1         | 3.3             | 1.0           | 36.1       |
| 14 Across 8243        | 6065   | 103            | 58           | 277        | 142       | 5.9          | 7.1          | 10.4        | 13.9       | 41.5           | 2.5           | 14.3         | 3.3             | 1.0           | 35.6       |
| 3 Palmira 8129        | 5782   | 98             | 56           | 232        | 121       | 1.2          | 0.0          | 14.9        | 21.2       | 42.3           | 3.0           | 19.1         | 2.5             | 0.9           | 35.5       |
| 16 Across 7729RE      | 5718   | 97             | 56           | 260        | 136       | 2.4          | 8.3          | 13.4        | 21.4       | 42.3           | 2.8           | 10.8         | 2.8             | 0.9           | 36.9       |
| 7 Catacamas (1) 8243  | 5709   | 97             | 58           | 268        | 136       | 0.6          | 4.2          | 8.6         | 20.3       | 42.0           | 2.8           | 11.1         | 2.8             | 1.0           | 36.6       |
| 8 Ferke 8243          | 5676   | 96             | 57           | 267        | 145       | 6.0          | 3.6          | 14.9        | 19.5       | 38.0           | 2.8           | 8.3          | 3.5             | 1.0           | 35.3       |
| 9 Ferke (1) 8243      | 5521   | 93             | 55           | 232        | 120       | 3.8          | 2.4          | 13.2        | 19.3       | 41.8           | 2.8           | 14.1         | 3.0             | 0.9           | 34.8       |
| 10 Ikenne 8243        | 5497   | 93             | 58           | 247        | 132       | 5.3          | 2.5          | 18.1        | 19.7       | 42.0           | 2.8           | 18.0         | 3.0             | 1.0           | 34.6       |
| 4 Palmira (1) 8129    | 5304   | 90             | 57           | 245        | 134       | 1.8          | 1.3          | 16.1        | 18.6       | 41.8           | 3.0           | 9.1          | 2.8             | 0.9           | 35.1       |
| 11 Ikenne (1) 8243    | 5296   | 90             | 59           | 260        | 142       | 4.8          | 1.8          | 18.2        | 19.9       | 41.0           | 3.0           | 14.5         | 2.8             | 1.0           | 35.3       |
| 2 El Plantel(1) 8129  | 5243   | 89             | 57           | 232        | 114       | 2.4          | 0.6          | 17.6        | 23.7       | 40.5           | 3.0           | 14.0         | 3.3             | 0.9           | 33.7       |
| 15 Across 7622RE      | 5034   | 85             | 58           | 272        | 146       | 3.7          | 2.4          | 24.3        | 21.4       | 40.3           | 3.0           | 10.4         | 3.0             | 1.0           | 37.1       |
| 6 Catacamas 8243      | 4933   | 83             | 57           | 238        | 136       | 3.1          | 1.9          | 13.0        | 19.4       | 40.0           | 2.8           | 6.8          | 3.3             | 0.9           | 35.2       |
| 5 Across 8129         | 4925   | 83             | 58           | 247        | 130       | 5.6          | 0.6          | 7.8         | 22.3       | 38.5           | 2.8           | 17.6         | 3.3             | 0.9           | 36.4       |
| 13 Suwan 8243         | 4788   | 81             | 59           | 267        | 131       | 7.5          | 7.7          | 17.0        | 19.2       | 40.5           | 3.3           | 16.3         | 3.3             | 0.9           | 38.0       |
| MEANS                 | 5494   | 93             | 57           | 254        | 134       | 4.0          | 3.1          | 14.4        | 19.1       | 41.1           | 2.8           | 12.8         | 3.0             | 0.9           | 35.7       |
| MAXIMUM               | 6253   | 106            | 59           | 281        | 151       | 7.5          | 8.3          | 24.3        | 23.7       | 43.5           | 3.3           | 19.1         | 3.5             | 1.0           | 38.0       |
| MINIMUM               | 4788   | 81             | 55           | 232        | 114       | 0.6          | 0.0          | 7.8         | 12.2       | 38.0           | 2.5           | 6.8          | 2.5             | 0.9           | 33.7       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |            |                |               |              |                 |               |            |
| 18 HE-33              | 5916   | -              | 57           | 272        | 140       | 4.7          | 5.5          | 11.1        | 9.0        | 37.3           | 2.5           | 12.0         | 2.5             | 1.0           | 34.9       |
| 17 HE-20              | 5802   | -              | 57           | 287        | 150       | 3.3          | 8.2          | 10.4        | 13.7       | 38.5           | 2.5           | 12.1         | 3.0             | 1.0           | 34.9       |
| CHECK MEANS           | 5859   | -              | 57           | 279        | 144       | 4.0          | 6.8          | 10.7        | 11.3       | 37.9           | 2.5           | 12.1         | 2.8             | 1.0           | 34.9       |
| 5% LSD                | 1056.3 |                | 2.8          | 36.6       | 29.2      |              |              |             |            | 3.9            |               |              |                 |               | 3.3        |
| C.V.                  | 13.4   |                | 3.5          | 10.1       | 14.7      |              |              |             |            | 6.8            |               |              |                 |               | 6.6        |



TABLE: 121-V-84

EVT12A      YEAR 1984      MEXICO      CD. OBREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR COTA, INIA-CIANO

| ENTRY NO./PEDIGREE    | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 14 Across 8243        | 8297  | 100            | 86           | 256        | 159       | 0.0          | 1.7          | 1.6         | 42.8           | 4.3          | 19.2         | 1.0           | 17.6       |
| 13 Suwan 8243         | 8002  | 96             | 84           | 251        | 145       | 0.0          | 0.6          | 2.8         | 44.0           | 4.0          | 27.8         | 1.0           | 16.7       |
| 15 Across 7622RE      | 7793  | 93             | 82           | 241        | 153       | 1.8          | 1.7          | 2.2         | 43.3           | 4.3          | 21.1         | 1.0           | 17.5       |
| 16 Across 7729RE      | 7695  | 92             | 84           | 239        | 143       | 0.6          | 2.4          | 2.0         | 43.0           | 4.1          | 18.8         | 1.1           | 16.2       |
| 2 El Plante(1) 8129   | 7658  | 92             | 80           | 218        | 120       | 0.0          | 1.1          | 1.8         | 44.3           | 4.0          | 31.3         | 1.0           | 16.6       |
| 5 Across 8129         | 7654  | 92             | 81           | 230        | 123       | 0.5          | 2.9          | 1.0         | 43.5           | 4.0          | 13.5         | 1.1           | 16.7       |
| 1 Potchefstroom 8121  | 7562  | 91             | 84           | 220        | 115       | 0.0          | 5.8          | 1.8         | 42.3           | 4.0          | 21.6         | 1.0           | 17.4       |
| 11 Ikenne (1) 8243    | 7560  | 91             | 86           | 249        | 163       | 1.2          | 4.1          | 2.1         | 42.8           | 3.8          | 23.8         | 1.0           | 16.6       |
| 10 Ikenne 8243        | 7534  | 90             | 86           | 254        | 156       | 0.6          | 5.1          | 5.2         | 43.5           | 3.9          | 18.5         | 1.0           | 17.4       |
| 3 Palmira 8129        | 7527  | 90             | 82           | 229        | 134       | 0.0          | 4.7          | 1.8         | 43.0           | 3.6          | 21.8         | 1.0           | 19.1       |
| 9 Ferke (1) 8243      | 7511  | 90             | 88           | 250        | 141       | 2.5          | 3.1          | 1.8         | 40.8           | 3.8          | 25.2         | 1.1           | 16.6       |
| 12 Sta. Rosa (1) 8243 | 7487  | 90             | 87           | 245        | 136       | 3.6          | 2.4          | 0.5         | 42.3           | 3.5          | 22.4         | 1.0           | 17.1       |
| 4 Palmira (1) 8129    | 7485  | 90             | 83           | 218        | 123       | 0.6          | 2.8          | 2.3         | 44.3           | 3.6          | 17.0         | 1.0           | 17.2       |
| 6 Catacamas 8243      | 7394  | 89             | 95           | 241        | 141       | 0.6          | 1.8          | 0.6         | 41.5           | 4.0          | 15.9         | 1.0           | 18.5       |
| 8 Ferke 8243          | 7168  | 86             | 87           | 249        | 151       | 0.6          | 1.1          | 3.4         | 42.8           | 3.9          | 21.9         | 1.0           | 17.8       |
| 7 Catacamas (1) 8243  | 7133  | 86             | 88           | 253        | 150       | 0.0          | 3.4          | 0.7         | 43.5           | 4.1          | 27.1         | 0.9           | 16.3       |
| MEANS                 | 7591  | 91             | 85           | 240        | 141       | 0.8          | 2.8          | 2.0         | 43.0           | 3.9          | 21.7         | 1.0           | 17.2       |
| MAXIMUM               | 8297  | 100            | 88           | 256        | 163       | 3.6          | 5.8          | 5.2         | 44.3           | 4.3          | 31.3         | 1.1           | 19.1       |
| MINIMUM               | 7133  | 86             | 80           | 218        | 115       | 0.0          | 0.6          | 0.5         | 40.8           | 3.5          | 13.5         | 0.9           | 16.2       |
| CHECKS (TESTIGOS):    |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 18 V-526              | 8338  | -              | 84           | 245        | 139       | 1.8          | 3.0          | 2.1         | 42.0           | 4.3          | 22.7         | 1.1           | 17.0       |
| 17 V-455              | 7281  | -              | 83           | 235        | 130       | 1.3          | 5.9          | 6.1         | 39.5           | 4.0          | 44.4         | 1.0           | 18.2       |
| CHECK MEANS           | 7809  | -              | 83           | 240        | 134       | 1.6          | 4.4          | 4.1         | 40.8           | 4.1          | 33.5         | 1.1           | 17.6       |
| 5% LSD                | 758.9 |                | 3.0          | 18.7       | 22.3      |              |              |             | 2.3            |              |              |               | 2.8        |
| C.V.                  | 7.0   |                | 2.5          | 5.5        | 11.2      |              |              |             | 3.8            |              |              |               | 11.4       |

TABLE: 122-V-84

EVT12A YEAR 1984 MEXICO XALISCO(NAY)

CO-OPERATOR: ING. CARLOS AGUIRRE G., E.S.A, U.A.N

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|---------------|--------------|-----------------|---------------|------------|------|
| 9 Ferke (1)        | 8243   | 3282           | 149          | 74         | 206       | 102          | 5.7          | 4.6         | 1.8          | 3.0            | 21.8          | 2.3          | 9.9             | 1.8           | 1.2        | 21.7 |
| 8 Ferke            | 8243   | 3256           | 148          | 73         | 211       | 94           | 6.0          | 5.3         | 3.0          | 2.8            | 21.3          | 1.3          | 10.1            | 1.8           | 1.1        | 21.7 |
| 5 Across           | 8129   | 3090           | 141          | 69         | 160       | 76           | 12.3         | 7.8         | 4.0          | 2.8            | 21.5          | 1.5          | 13.0            | 2.3           | 1.1        | 17.4 |
| 10 Ikenne          | 8243   | 2879           | 131          | 73         | 197       | 95           | 7.7          | 5.1         | 3.9          | 3.3            | 20.5          | 2.3          | 11.3            | 3.3           | 1.0        | 16.9 |
| 6 Catacamas        | 8243   | 2838           | 129          | 71         | 208       | 99           | 8.8          | 6.3         | 6.2          | 2.8            | 20.8          | 1.8          | 13.5            | 2.3           | 1.1        | 20.7 |
| 15 Across          | 7622RE | 2811           | 128          | 69         | 174       | 79           | 6.4          | 5.1         | 8.4          | 3.0            | 21.0          | 2.3          | 14.0            | 3.0           | 1.0        | 21.3 |
| 4 Palmira (1)      | 8129   | 2801           | 128          | 70         | 171       | 70           | 8.8          | 5.1         | 4.0          | 3.5            | 20.8          | 2.0          | 17.9            | 3.0           | 0.9        | 21.3 |
| 12 Sta. Rosa (1)   | 8243   | 2786           | 127          | 72         | 206       | 97           | 7.1          | 4.6         | 1.8          | 3.3            | 22.3          | 1.8          | 14.9            | 2.8           | 0.9        | 20.8 |
| 14 Across          | 8243   | 2770           | 126          | 73         | 209       | 100          | 14.4         | 12.6        | 1.7          | 2.8            | 15.0          | 1.8          | 12.0            | 2.5           | 2.2        | 20.2 |
| 16 Across          | 7729RE | 2767           | 126          | 70         | 189       | 84           | 9.2          | 6.7         | 4.9          | 2.8            | 17.3          | 2.0          | 13.7            | 3.3           | 1.2        | 21.5 |
| 11 Ikenne (1)      | 8243   | 2707           | 123          | 74         | 195       | 91           | 8.2          | 6.9         | 3.4          | 2.3            | 19.3          | 1.3          | 16.3            | 2.8           | 1.2        | 21.4 |
| 2 El Plantel(1)    | 8129   | 2683           | 122          | 68         | 160       | 67           | 5.6          | 7.0         | 5.3          | 4.0            | 19.0          | 2.5          | 15.7            | 3.3           | 1.1        | 16.9 |
| 13 Suwan           | 8243   | 2612           | 119          | 72         | 190       | 35           | 9.0          | 6.1         | 3.2          | 3.0            | 16.8          | 2.5          | 16.1            | 2.8           | 1.1        | 20.9 |
| 3 Palmira          | 8129   | 2492           | 113          | 69         | 173       | 73           | 22.5         | 12.7        | 11.6         | 3.3            | 11.5          | 2.5          | 19.4            | 3.3           | 2.0        | 15.6 |
| 7 Catacamas (1)    | 8243   | 2432           | 111          | 73         | 194       | 91           | 7.2          | 6.2         | 3.9          | 2.3            | 19.8          | 2.0          | 18.9            | 2.5           | 0.9        | 23.9 |
| 1 Potchefstroom    | 8121   | 1314           | 60           | 69         | 162       | 67           | 14.0         | 8.9         | 1.7          | 4.3            | 13.0          | 2.8          | 18.5            | 3.5           | 1.0        | 20.4 |
| MEANS              | 2720   | 124            | 71           | 189        | 86        | 9.6          | 6.9          | 4.3         | 3.0          | 18.8           | 2.0           | 14.7         | 2.7             | 1.2           | 20.2       |      |
| MAXIMUM            | 3282   | 149            | 74           | 211        | 102       | 22.5         | 12.7         | 11.6        | 4.3          | 22.3           | 2.8           | 19.4         | 3.5             | 2.2           | 23.9       |      |
| MINIMUM            | 1314   | 60             | 68           | 160        | 67        | 5.7          | 4.6          | 1.7         | 2.3          | 11.5           | 1.3           | 9.9          | 1.8             | 0.9           | 15.6       |      |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |             |              |                |               |              |                 |               |            |      |
| 17 B-555           | 2196   | -              | 70           | 178        | 70        | 9.5          | 10.5         | 2.7         | 2.5          | 14.8           | 2.0           | 17.0         | 3.5             | 1.1           | 24.4       |      |
| 18 H-503           | 1945   | -              | 78           | 229        | 132       | 6.3          | 5.1          | 1.3         | 2.5          | 19.8           | 2.3           | 5.4          | 2.3             | 0.9           | 20.7       |      |
| CHECK MEANS        | 2070   | -              | 73           | 203        | 100       | 7.9          | 7.8          | 2.0         | 2.5          | 17.3           | 2.1           | 11.2         | 2.9             | 1.0           | 22.6       |      |
| 5% LSD             | 1280.5 |                | 2.3          | 20.4       | 12.4      |              |              |             |              | 9.1            |               |              |                 |               | 1.7        |      |
| C.V.               | 34.1   |                | 2.3          | 7.6        | 10.0      |              |              |             |              | 34.4           |               |              |                 |               | 6.0        |      |

TABLE: 123-V-84

EVT12A YEAR 1984 MEXICO CONCORDIA, SIN.

CO-OPERATOR:MC. OSCAR PALACIOS VELARDE

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LOOG | %EAR<br>ROT | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|----------------|---------------|-----------------|---------------|------------|
| 10 Ikenne 8243        | 6211   | 106            | 55           | 223        | 121       | 1.1          | 1.7          | 17.6        | 2.0           | 42.8           | 1.8           | 3.0             | 1.0           | 28.6       |
| 14 Across 8243        | 6093   | 104            | 54           | 238        | 124       | 0.0          | 1.2          | 19.8        | 2.3           | 42.8           | 2.5           | 2.0             | 1.0           | 28.1       |
| 2 El Plantel(1) 8129  | 6005   | 103            | 53           | 204        | 99        | 0.6          | 2.4          | 17.9        | 2.3           | 43.5           | 2.5           | 2.5             | 1.0           | 29.9       |
| 15 Across 7622RE      | 5943   | 102            | 53           | 210        | 103       | 1.3          | 2.5          | 15.8        | 2.5           | 40.8           | 2.0           | 2.5             | 0.9           | 28.4       |
| 5 Across 8129         | 5722   | 98             | 54           | 198        | 101       | 1.2          | 2.3          | 22.5        | 2.5           | 43.0           | 2.3           | 2.8             | 0.9           | 29.5       |
| 6 Catacamas 8243      | 5519   | 94             | 55           | 223        | 117       | 0.0          | 2.9          | 22.6        | 2.0           | 43.0           | 2.5           | 3.3             | 0.9           | 28.6       |
| 16 Across 7729RE      | 5467   | 93             | 56           | 207        | 101       | 1.8          | 3.7          | 17.0        | 2.8           | 41.5           | 2.3           | 2.3             | 0.9           | 29.2       |
| 11 Ikenne (1) 8243    | 5442   | 93             | 55           | 225        | 119       | 3.1          | 2.5          | 15.9        | 2.0           | 41.0           | 2.3           | 3.0             | 0.9           | 27.9       |
| 3 Palmira 8129        | 5307   | 91             | 54           | 196        | 92        | 0.0          | 2.9          | 15.1        | 2.3           | 42.5           | 2.5           | 2.5             | 0.9           | 30.7       |
| 13 Suwan 8243         | 5197   | 89             | 54           | 222        | 116       | 0.6          | 3.7          | 25.2        | 2.0           | 40.8           | 2.5           | 2.8             | 0.9           | 31.1       |
| 12 Sta. Rosa (1) 8243 | 4964   | 85             | 56           | 221        | 122       | 0.6          | 2.3          | 20.2        | 2.0           | 42.0           | 2.8           | 2.5             | 0.9           | 30.5       |
| 7 Catacamas (1) 8243  | 4934   | 84             | 56           | 217        | 110       | 0.6          | 4.2          | 21.7        | 2.0           | 41.8           | 2.3           | 3.0             | 0.8           | 31.4       |
| 8 Ferke 8243          | 4891   | 84             | 56           | 216        | 116       | 0.0          | 4.6          | 25.7        | 2.0           | 38.8           | 3.0           | 3.0             | 0.9           | 29.1       |
| 9 Ferke (1) 8243      | 4858   | 83             | 57           | 213        | 111       | 1.2          | 4.9          | 21.6        | 2.0           | 41.3           | 2.5           | 2.5             | 0.8           | 30.5       |
| 4 Palmira (1) 8129    | 4684   | 80             | 52           | 197        | 92        | 1.7          | 2.4          | 18.0        | 2.5           | 42.3           | 3.0           | 3.0             | 0.8           | 27.0       |
| 1 Potchefatroom 8121  | 4275   | 73             | 57           | 206        | 101       | 1.4          | 0.7          | 20.5        | 2.5           | 39.0           | 2.5           | 2.8             | 0.8           | 27.9       |
| MEANS                 | 5345   | 91             | 55           | 213        | 109       | 1.0          | 2.8          | 19.8        | 2.2           | 41.7           | 2.4           | 2.7             | 0.9           | 29.3       |
| MAXIMUM               | 6211   | 106            | 57           | 238        | 124       | 3.1          | 4.9          | 25.7        | 2.8           | 43.5           | 3.0           | 3.3             | 1.0           | 31.4       |
| MINIMUM               | 4275   | 73             | 52           | 196        | 92        | 0.0          | 0.7          | 15.1        | 2.0           | 38.8           | 1.8           | 2.0             | 0.8           | 27.0       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |               |                |               |                 |               |            |
| 17 V-526              | 5850   | -              | 56           | 219        | 117       | 1.3          | 5.3          | 13.7        | 2.0           | 39.0           | 1.5           | 2.5             | 0.9           | 30.0       |
| 18 V-455              | 5752   | -              | 54           | 204        | 108       | 1.8          | 2.4          | 14.6        | 2.0           | 42.8           | 2.3           | 2.3             | 0.9           | 29.6       |
| CHECK MEANS           | 5801   | -              | 54           | 211        | 112       | 1.6          | 3.8          | 14.1        | 2.0           | 40.9           | 1.9           | 2.4             | 0.9           | 29.8       |
| 5% LSD                | 1086.2 |                | 1.9          | 19.1       | 13.1      |              |              |             |               | 2.5            |               |                 |               | 2.9        |
| C.V.                  | 14.2   |                | 2.5          | 6.3        | 8.5       |              |              |             |               | 4.3            |               |                 |               | 7.0        |

TABLE: 124-V-84

EVT12A YEAR 1984 TOGO LOME

CO-OPERATOR:SD.TD.CO, I.R.A.T,

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | ROOT<br>LODG | %EAR<br>ROT | STREAK<br>% | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |     |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|-------------|----------------|--------------|--------------|-----------------|---------------|-----|
| 2 El Plantel(1)    | 8129   | 5447           | 171          | 58         | 151       | 70           | 19.0        | 10.1        | 6.3            | 37.5         | 4.3          | 19.8            | 4.0           | 1.0 |
| 16 Across          | 7729RE | 5362           | 168          | 61         | 161       | 74           | 23.8        | 11.5        | 7.0            | 36.0         | 4.3          | 18.0            | 3.8           | 1.0 |
| 13 Suwan           | 8243   | 5276           | 165          | 59         | 168       | 68           | 31.1        | 6.0         | 3.3            | 37.0         | 4.0          | 13.8            | 4.3           | 1.0 |
| 12 Sta. Rosa (1)   | 8243   | 5134           | 161          | 60         | 146       | 72           | 12.9        | 10.4        | 4.8            | 35.5         | 3.8          | 12.1            | 4.0           | 0.9 |
| 8 Ferke            | 8243   | 5077           | 159          | 58         | 172       | 87           | 20.3        | 7.4         | 2.0            | 39.8         | 4.5          | 9.1             | 4.8           | 0.9 |
| 11 Ikenne (1)      | 8243   | 5077           | 159          | 61         | 176       | 93           | 12.1        | 6.1         | 4.3            | 34.5         | 4.5          | 14.1            | 3.8           | 1.0 |
| 10 Ikenne          | 8243   | 4963           | 155          | 61         | 157       | 76           | 14.6        | 10.4        | 3.5            | 35.0         | 4.3          | 9.0             | 4.0           | 1.0 |
| 14 Across          | 8243   | 4906           | 154          | 58         | 161       | 77           | 11.1        | 6.2         | 3.0            | 38.3         | 3.8          | 9.1             | 4.0           | 0.9 |
| 15 Across          | 7622RE | 4820           | 151          | 60         | 146       | 69           | 9.8         | 9.9         | 5.5            | 39.3         | 3.0          | 17.9            | 4.3           | 0.9 |
| 3 Palmira          | 8129   | 4763           | 149          | 59         | 144       | 60           | 19.9        | 11.5        | 6.3            | 32.5         | 4.0          | 21.1            | 3.8           | 1.0 |
| 9 Ferke (1)        | 8243   | 4763           | 149          | 60         | 164       | 79           | 5.6         | 4.9         | 6.3            | 37.5         | 4.0          | 9.8             | 4.3           | 1.0 |
| 5 Across           | 8129   | 4535           | 142          | 60         | 134       | 61           | 7.9         | 8.8         | 5.3            | 35.8         | 3.8          | 16.3            | 3.8           | 1.0 |
| 4 Palmira (1)      | 8129   | 4478           | 140          | 58         | 142       | 65           | 6.2         | 10.3        | 5.5            | 30.5         | 4.0          | 14.6            | 3.8           | 1.1 |
| 1 Potchefstroom    | 8121   | 4478           | 140          | 61         | 139       | 67           | 7.5         | 11.9        | 4.5            | 34.0         | 3.5          | 10.0            | 3.8           | 1.2 |
| 6 Catacamas        | 8243   | 3879           | 121          | 60         | 164       | 77           | 7.4         | 9.3         | 3.3            | 35.8         | 3.5          | 10.6            | 4.3           | 0.9 |
| 7 Catacamas (1)    | 8243   | 2966           | 93           | 60         | 156       | 75           | 6.2         | 1.4         | 3.5            | 34.3         | 3.5          | 12.9            | 4.0           | 0.8 |
| MEANS              | 4745   | 149            | 60           | 155        | 73        | 13.5         | 8.5         | 4.6         | 35.8           | 3.9          | 13.6         | 4.0             | 1.0           |     |
| MAXIMUM            | 5447   | 171            | 61           | 176        | 93        | 31.1         | 11.9        | 7.0         | 39.8           | 4.5          | 21.1         | 4.8             | 1.2           |     |
| MINIMUM            | 2966   | 93             | 58           | 134        | 60        | 5.6          | 1.4         | 2.0         | 30.5           | 3.0          | 9.0          | 3.8             | 0.8           |     |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |             |             |                |              |              |                 |               |     |
| 17 LOCAL CHECK 1   | 3194   | -              | 54           | 158        | 59        | 15.4         | 6.1         | 5.3         | 20.8           | 4.0          | 12.5         | 3.0             | 1.1           |     |
| 18 LOCAL CHECK 2   | 3080   | -              | 54           | 177        | 97        | 13.5         | 8.2         | 6.8         | 18.0           | 4.0          | 3.6          | 3.0             | 1.3           |     |
| CHECK MEANS        | 3137   | -              | 63           | 167        | 78        | 14.5         | 7.1         | 6.0         | 19.4           | 4.0          | 8.0          | 3.0             | 1.2           |     |
| 5% LSC             | 1616.3 |                | 2.3          | 24.9       | 21.7      |              |             |             | 6.2            |              |              |                 |               |     |
| C.V.               | 24.9   |                | 2.7          | 11.2       | 20.8      |              |             |             | 12.8           |              |              |                 |               |     |

TABLE: 125-V-84

EVT12A YEAR 1984 KENYA

H.I.R.S.

CO-OPERATOR:MR. C.E. BARAZA

| ENTRY NO./PEDIGREE | KG/HA  | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOADG | ROOT<br>LOADG | FEAR<br>RCT | HELM | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|---------------|--------------|------------|-----------|---------------|---------------|-------------|------|----------------|---------------|--------------|-----------------|---------------|------------|------|
| 6 Catacamas        | 8243   | 4563          | 120          | 53         | 180       | 87            | 5.2           | 5.0         | 10.6 | 1.3            | 41.8          | 2.0          | 10.8            | 1.5           | 1.0        | 13.6 |
| 12 Sta. Rosa (1)   | 8243   | 4376          | 126          | 62         | 183       | 99            | 3.0           | 11.9        | 10.5 | 1.5            | 41.5          | 2.5          | 18.1            | 2.0           | 1.0        | 13.8 |
| 13 Suwan           | 8643   | 4711          | 122          | 53         | 183       | 97            | 4.2           | 8.4         | 8.2  | 1.8            | 42.0          | 2.3          | 13.6            | 2.0           | 1.0        | 13.8 |
| 15 Across          | 75222E | 4692          | 121          | 50         | 175       | 86            | 5.2           | 28.1        | 15.0 | 1.5            | 39.8          | 2.3          | 19.2            | 2.5           | 1.1        | 13.4 |
| 10 Ikenna          | 8243   | 4658          | 121          | 63         | 186       | 94            | 5.0           | 16.1        | 12.2 | 1.8            | 40.5          | 2.0          | 15.1            | 2.3           | 1.1        | 14.2 |
| 8 Ferke            | 8243   | 4649          | 120          | 63         | 187       | 90            | 5.4           | 18.5        | 9.0  | 1.5            | 41.8          | 2.0          | 14.7            | 1.8           | 1.0        | 14.2 |
| 9 Ferke (1)        | 8243   | 4588          | 119          | 65         | 181       | 91            | 2.9           | 5.4         | 9.8  | 2.0            | 42.8          | 2.5          | 16.2            | 2.3           | 1.0        | 13.8 |
| 4 Palmira (1)      | 8129   | 4434          | 115          | 60         | 159       | 74            | 4.9           | 16.8        | 17.5 | 1.5            | 41.3          | 2.3          | 20.1            | 2.5           | 1.0        | 13.6 |
| 5 Across           | 8129   | 4426          | 114          | 61         | 161       | 76            | 7.0           | 15.4        | 15.7 | 1.3            | 38.8          | 3.0          | 16.8            | 3.3           | 1.1        | 13.4 |
| 11 Ikenna (1)      | 8243   | 4423          | 114          | 54         | 192       | 97            | 4.1           | 9.0         | 12.1 | 1.3            | 42.5          | 2.5          | 20.8            | 2.8           | 1.0        | 14.2 |
| 1 Potchefstroom    | 8121   | 4218          | 109          | 63         | 161       | 77            | 2.1           | 5.8         | 17.2 | 1.8            | 39.5          | 3.0          | 21.8            | 2.5           | 1.0        | 13.9 |
| 3 Palmira          | 8129   | 4200          | 109          | 61         | 155       | 74            | 7.9           | 28.9        | 17.7 | 1.3            | 38.5          | 2.3          | 20.8            | 3.0           | 1.1        | 14.1 |
| 14 Across          | 8243   | 4007          | 104          | 65         | 171       | 85            | 8.6           | 8.9         | 13.6 | 1.8            | 42.0          | 2.3          | 21.0            | 2.5           | 1.0        | 13.9 |
| 16 Across          | 7729P: | 3978          | 103          | 63         | 158       | 76            | 6.0           | 11.4        | 9.3  | 1.0            | 41.8          | 2.5          | 19.2            | 2.8           | 1.1        | 13.7 |
| 7 Catacamas (1)    | 8243   | 3897          | 101          | 65         | 175       | 86            | 4.0           | 5.8         | 14.0 | 1.8            | 43.3          | 2.3          | 16.9            | 3.0           | 1.0        | 13.7 |
| 2 El Plantel(1)    | 8129   | 3414          | 98           | 64         | 139       | 69            | 11.8          | 8.2         | 20.7 | 1.0            | 38.0          | 2.8          | 20.0            | 3.3           | 1.0        | 13.6 |
| MEANS              | 4384   | 113           | 63           | 172        | 84        | 5.5           | 12.7          | 13.3        | 1.5  | 41.0           | 2.4           | 17.8         | 2.5             | 1.0           | 13.8       |      |
| MAXIMUM            | 4968   | 128           | 65           | 192        | 99        | 11.8          | 28.9          | 20.7        | 2.0  | 43.3           | 3.0           | 21.8         | 3.3             | 1.1           | 14.2       |      |
| MINIMUM            | 3414   | 96            | 60           | 139        | 69        | 2.1           | 5.0           | 8.2         | 1.0  | 38.0           | 2.0           | 10.8         | 1.5             | 1.0           | 13.4       |      |
| CHECKS (TESTIGOS): |        |               |              |            |           |               |               |             |      |                |               |              |                 |               |            |      |
| 18 PHANI HYBRID I  | 3953   | -             | 58           | 145        | 68        | 5.1           | 36.3          | 16.9        | 1.5  | 38.5           | 3.0           | 16.9         | 3.3             | 1.2           | 13.4       |      |
| 17 COAST COMPOSITE | 3392   | -             | 65           | 197        | 118       | 21.0          | 30.1          | 23.1        | 1.5  | 37.5           | 4.0           | 22.9         | 3.0             | 1.1           | 13.5       |      |
| CHECK MEANS        | 3610   | -             | 61           | 171        | 92        | 13.1          | 33.2          | 20.0        | 1.5  | 38.0           | 3.5           | 19.9         | 3.1             | 1.1           | 13.4       |      |
| 5% LSD             | 1109.6 |               | 3.2          | 21.3       | 11.6      |               |               |             |      | 5.2            |               |              |                 |               | 0.7        |      |
| C.V.               | 18.2   |               | 3.4          | 9.7        | 9.5       |               |               |             |      | 9.0            |               |              |                 |               | 3.7        |      |

TABLE: 126-V-84

EVT12A      YEAR 1984      ZAIRE      KANIAMESHI  
 CO-OPERATOR: MULAMBA, AZANI MBEY YAME

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | HELM<br>MAYO | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|--------------|-----------------|------------|
| 1 Potchefstroom 8121  | 8685   | 97             | 73           | 212        | 115       | 5.5          | 3.1          | 3.6         | 1.0          | 1.5          | 41.0           | 1.8           | 4.7          | 1.3             | 16.8       |
| 14 Across 8243        | 8640   | 96             | 74           | 246        | 129       | 9.1          | 1.8          | 4.5         | 1.0          | 1.8          | 41.3           | 2.5           | 5.7          | 1.5             | 15.8       |
| 4 Palmira (1) 8129    | 8520   | 95             | 71           | 213        | 106       | 7.9          | 2.4          | 6.2         | 1.3          | 1.8          | 41.3           | 3.3           | 6.8          | 1.0             | 15.6       |
| 8 Ferke 8243          | 9500   | 95             | 75           | 250        | 135       | 8.4          | 7.7          | 8.2         | 1.3          | 2.0          | 40.8           | 2.5           | 5.9          | 2.3             | 14.8       |
| 3 Palmira 8129        | 8441   | 94             | 71           | 211        | 99        | 5.7          | 2.8          | 9.1         | 1.3          | 2.3          | 39.0           | 3.5           | 5.4          | 1.5             | 14.9       |
| 6 Catacamas 8243      | 8162   | 91             | 75           | 242        | 126       | 4.5          | 0.0          | 9.5         | 1.3          | 2.3          | 40.3           | 3.3           | 5.8          | 2.0             | 15.3       |
| 7 Catacamas (1) 8243  | 8136   | 91             | 76           | 241        | 127       | 5.5          | 1.9          | 9.4         | 1.0          | 2.5          | 40.3           | 3.5           | 6.5          | 2.3             | 16.4       |
| 16 Across 7729RE      | 8118   | 91             | 73           | 215        | 111       | 11.7         | 3.0          | 7.4         | 1.5          | 2.8          | 40.8           | 2.5           | 5.7          | 2.0             | 14.7       |
| 13 Suwan 8243         | 7745   | 86             | 74           | 239        | 127       | 2.6          | 4.2          | 9.5         | 1.5          | 2.5          | 41.0           | 3.0           | 4.6          | 2.5             | 15.1       |
| 5 Across 8129         | 7717   | 86             | 72           | 204        | 101       | 9.5          | 3.2          | 7.6         | 1.3          | 2.3          | 39.3           | 3.0           | 6.3          | 2.3             | 14.9       |
| 9 Ferke (1) 8243      | 7701   | 86             | 76           | 246        | 135       | 5.4          | 6.7          | 6.0         | 1.3          | 2.0          | 40.3           | 2.3           | 7.2          | 1.8             | 15.4       |
| 15 Across 7622RE      | 7672   | 86             | 72           | 208        | 108       | 6.1          | 6.6          | 6.4         | 1.5          | 2.5          | 38.5           | 3.3           | 6.4          | 2.3             | 15.6       |
| 10 Ikenne 8243        | 7462   | 83             | 75           | 241        | 129       | 3.8          | 3.2          | 10.4        | 1.3          | 3.0          | 40.0           | 3.0           | 5.4          | 2.3             | 15.3       |
| 2 El Plantel(1) 8129  | 7241   | 81             | 71           | 194        | 97        | 6.8          | 3.8          | 8.3         | 1.5          | 2.5          | 39.3           | 2.8           | 7.2          | 2.5             | 15.1       |
| 12 Sta. Rosa (1) 8243 | 7038   | 79             | 75           | 237        | 127       | 4.9          | 1.8          | 7.7         | 1.0          | 2.5          | 41.3           | 3.0           | 6.0          | 2.5             | 15.5       |
| 11 Ikenne (1) 8243    | 6049   | 67             | 75           | 244        | 130       | 8.4          | 2.8          | 10.0        | 2.0          | 3.5          | 34.5           | 2.5           | 8.2          | 3.5             | 14.9       |
| MEANS                 | 7564   | 88             | 74           | 229        | 119       | 6.6          | 3.4          | 7.7         | 1.3          | 2.3          | 39.9           | 2.8           | 6.1          | 2.1             | 15.4       |
| MAXIMUM               | 8685   | 97             | 76           | 250        | 135       | 11.7         | 7.7          | 10.4        | 2.0          | 3.5          | 41.3           | 3.5           | 8.2          | 3.5             | 16.8       |
| MINIMUM               | 6049   | 67             | 71           | 194        | 97        | 2.6          | 0.0          | 3.6         | 1.0          | 1.5          | 34.5           | 1.8           | 4.6          | 1.0             | 14.7       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |              |              |                |               |              |                 |            |
| 17 SHABA-1            | 8962   | -              | 74           | 233        | 115       | 11.9         | 6.4          | 2.8         | 1.0          | 1.5          | 37.5           | 2.5           | 6.0          | 1.3             | 17.5       |
| 18 PNM-1              | 8308   | -              | 76           | 239        | 124       | 9.5          | 3.1          | 2.4         | 1.0          | 1.3          | 39.0           | 2.0           | 5.5          | 2.0             | 17.0       |
| CHECK MEANS           | 8635   | -              | 74           | 236        | 119       | 10.7         | 4.8          | 2.6         | 1.0          | 1.4          | 38.3           | 2.3           | 5.7          | 1.6             | 17.3       |
| 5% LSD                | 1085.8 |                | 1.8          | 17.7       | 15.6      |              |              |             |              |              | 3.6            |               |              |                 |            |
| C.V.                  | 9.6    |                | 1.7          | 5.5        | 9.2       |              |              |             |              |              | 6.3            |               |              |                 |            |

TABLE: 127-V-84

EVT12A    YEAR 1984    IIBAPHE    RATTQAY-ARNCLD

CO-OPERATOR: R.C. OLVER

| ENTRY NO./PEDIGREE    | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAP<br>HT | STEM<br>LGDG | %EAR<br>ROT | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|-------|----------------|--------------|------------|-----------|--------------|-------------|---------------|--------------|----------------|---------------|------------|
| 10 Ikenne 8243        | 6775  | 67             | 75           | 291        | 169       | 0.0          | 6.0         | 1.5           | 2.3          | 43.8           | 1.1           | 14.8       |
| 9 Ferke (1) 8243      | 6752  | 66             | 77           | 275        | 169       | 1.2          | 14.3        | 1.3           | 1.3          | 43.3           | 1.1           | 15.3       |
| 12 Sta. Rosa (1) 8243 | 6747  | 66             | 76           | 298        | 166       | 0.0          | 11.6        | 1.5           | 1.5          | 43.3           | 1.1           | 15.4       |
| 14 Across 8243        | 6585  | 66             | 75           | 289        | 174       | 1.1          | 7.5         | 1.5           | 1.8          | 43.8           | 1.1           | 15.0       |
| 11 Ikenne (1) 8243    | 6514  | 65             | 75           | 296        | 183       | 3.4          | 9.3         | 1.3           | 2.8          | 43.3           | 1.1           | 14.3       |
| 8 Ferke 8243          | 6522  | 64             | 75           | 295        | 176       | 1.2          | 9.7         | 1.3           | 1.8          | 43.0           | 1.0           | 14.8       |
| 13 Suwan 8243         | 6411  | 63             | 75           | 295        | 182       | 1.1          | 13.2        | 1.3           | 2.8          | 43.8           | 1.0           | 14.4       |
| 15 Across 7622RE      | 6114  | 60             | 72           | 234        | 135       | 0.0          | 3.5         | 1.5           | 1.8          | 43.5           | 1.0           | 15.8       |
| 3 Palmira 8129        | 6102  | 60             | 73           | 236        | 135       | 1.2          | 5.2         | 1.5           | 1.3          | 42.8           | 1.0           | 14.9       |
| 7 Catacamas (1) 8243  | 6049  | 59             | 75           | 285        | 166       | 0.6          | 6.1         | 1.8           | 2.0          | 43.5           | 0.9           | 15.6       |
| 6 Catacamas 8243      | 5861  | 58             | 76           | 295        | 180       | 0.0          | 5.9         | 1.3           | 1.5          | 44.0           | 1.0           | 14.2       |
| 4 Palmira (1) 8129    | 5708  | 56             | 71           | 236        | 139       | 0.6          | 6.3         | 2.0           | 1.8          | 43.8           | 1.0           | 14.9       |
| 1 Potchefstroom 8121  | 5660  | 56             | 73           | 240        | 138       | 1.1          | 4.2         | 1.5           | 1.8          | 44.0           | 1.0           | 14.4       |
| 16 Across 7729RE      | 5659  | 56             | 73           | 247        | 139       | 0.6          | 6.8         | 1.0           | 2.0          | 43.8           | 1.0           | 15.1       |
| 5 Across 8129         | 5532  | 54             | 73           | 254        | 149       | 0.6          | 3.9         | 1.8           | 2.0          | 43.5           | 1.2           | 14.8       |
| 2 El Plantel(1) 8129  | 5189  | 51             | 73           | 230        | 133       | 5.8          | 5.8         | 1.5           | 2.3          | 43.5           | 1.0           | 14.3       |
| MEANS                 | 6149  | 60             | 74           | 267        | 150       | 1.2          | 7.5         | 1.5           | 1.9          | 43.5           | 1.0           | 14.9       |
| MAXIMUM               | 6775  | 67             | 77           | 298        | 186       | 5.8          | 14.3        | 2.0           | 2.8          | 44.0           | 1.2           | 15.8       |
| MINIMUM               | 5189  | 51             | 71           | 230        | 133       | 0.0          | 3.5         | 1.0           | 1.3          | 42.8           | 0.9           | 14.2       |
| CHECKS (TESTIGOS):    |       |                |              |            |           |              |             |               |              |                |               |            |
| 18 SR 52              | 10176 | -              | 74           | 210        | 182       | 0.0          | 2.6         | 1.5           | 1.8          | 44.0           | 1.0           | 16.1       |
| 17 ZS 225             | 8945  | -              | 56           | 276        | 148       | 1.1          | 1.7         | 1.5           | 1.0          | 44.0           | 1.0           | 12.2       |
| CHECK MEANS           | 9561  | -              | 70           | 293        | 165       | 0.6          | 2.1         | 1.5           | 1.4          | 44.0           | 1.0           | 14.1       |
| 5% LSD                | 856.9 |                | 1.5          | 22.9       | 17.4      |              |             |               |              | 0.9            |               | 1.7        |
| C.V.                  | 9.2   |                | 1.4          | 6.0        | 7.7       |              |             |               |              | 1.5            |               | 8.2        |

TABLE: 128-V-84

EVT12A    YEAR 1984    ZIMBABWE    HARARE

CO-OPERATOR:R.C. CLVER

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEP<br>LODGE | %EAR<br>ROT | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|----------------|--------------|------------|-----------|---------------|-------------|---------------|----------------|--------------|-----------------|---------------|------------|------|
| 8 Ferke            | 8243   | 7011           | 99           | 82         | 254       | 133           | 1.2         | 0.6           | 1.8            | 41.8         | 1.5             | 1.8           | 1.0        | 11.6 |
| 14 Across          | 8243   | 6903           | 98           | 84         | 251       | 136           | 1.2         | 7.9           | 1.0            | 40.3         | 1.0             | 1.0           | 1.0        | 12.0 |
| 1 Potchefstroom    | 8121   | 6863           | 97           | 80         | 229       | 105           | 1.2         | 4.0           | 1.8            | 40.3         | 1.3             | 1.3           | 1.1        | 12.1 |
| 12 Sta. Rosa (1)   | 8243   | 6442           | 91           | 84         | 251       | 130           | 1.3         | 8.2           | 2.0            | 41.8         | 1.5             | 1.8           | 1.1        | 11.9 |
| 3 Palmira          | 8129   | 6434           | 91           | 81         | 210       | 101           | 0.0         | 9.4           | 2.3            | 41.5         | 1.0             | 1.8           | 1.0        | 12.1 |
| 16 Across          | 7729RE | 6264           | 89           | 92         | 238       | 108           | 0.0         | 10.1          | 1.3            | 41.3         | 1.3             | 1.5           | 1.1        | 12.2 |
| 5 Across           | 8129   | 6017           | 85           | 82         | 228       | 114           | 5.2         | 9.1           | 1.3            | 40.0         | 1.0             | 1.8           | 1.1        | 12.1 |
| 4 Palmira (1)      | 8129   | 6005           | 85           | 81         | 224       | 111           | 0.6         | 7.5           | 1.5            | 40.8         | 1.8             | 2.3           | 1.0        | 12.3 |
| 13 Suwan           | 8243   | 5983           | 95           | 96         | 230       | 135           | 0.6         | 11.8          | 1.5            | 41.0         | 1.3             | 1.0           | 1.1        | 12.1 |
| 7 Catacamas (1)    | 8243   | 5935           | 84           | 85         | 240       | 135           | 0.6         | 1.8           | 2.0            | 41.5         | 1.5             | 1.8           | 1.0        | 11.8 |
| 6 Catacamas        | 8243   | 5884           | 83           | 84         | 224       | 108           | 0.6         | 9.1           | 2.0            | 40.5         | 1.8             | 1.8           | 1.1        | 12.4 |
| 2 El Plantel(1)    | 8129   | 5907           | 82           | 94         | 220       | 96            | 1.9         | 6.6           | 1.8            | 40.3         | 1.8             | 2.3           | 1.0        | 12.1 |
| 9 Ferke (1)        | 8243   | 5729           | 81           | 34         | 215       | 95            | 0.6         | 9.1           | 1.8            | 42.0         | 1.3             | 1.8           | 1.0        | 12.1 |
| 15 Across          | 7622RE | 5639           | 80           | 82         | 230       | 108           | 0.0         | 5.6           | 1.3            | 41.8         | 1.0             | 1.5           | 1.0        | 11.9 |
| 11 Ikenne (1)      | 8243   | 5536           | 78           | 83         | 225       | 125           | 0.0         | 4.7           | 2.0            | 39.5         | 1.3             | 1.3           | 1.1        | 12.2 |
| 10 Ikenne          | 8243   | 5481           | 78           | 86         | 230       | 116           | 0.6         | 9.5           | 1.5            | 40.8         | 2.0             | 2.0           | 1.0        | 12.0 |
| MEANS              | 6121   | 87             | 83           | 231        | 116       | 1.0           | 7.2         | 1.7           | 40.9           | 1.4          | 1.6             | 1.0           | 12.0       |      |
| MAXIMUM            | 7011   | 99             | 86           | 254        | 136       | 5.2           | 11.8        | 2.3           | 42.0           | 2.0          | 2.3             | 1.1           | 12.4       |      |
| MINIMUM            | 5481   | 78             | 80           | 210        | 95        | 0.0           | 0.6         | 1.0           | 39.5           | 1.0          | 1.0             | 1.0           | 11.6       |      |
| CHECKS (TESTIGOS): |        |                |              |            |           |               |             |               |                |              |                 |               |            |      |
| 17 ZS 225          | 7060   | -              | 79           | 230        | 128       | 1.8           | 10.6        | 1.8           | 41.0           | 1.5          | 1.5             | 1.0           | 11.7       |      |
| 18 SR 52           | 6248   | -              | 84           | 245        | 128       | 0.6           | 7.3         | 1.5           | 41.0           | 1.5          | 1.3             | 1.0           | 12.5       |      |
| CHECK MEANS        | 6654   | -              | 81           | 237        | 127       | 1.2           | 9.0         | 1.6           | 41.0           | 1.5          | 1.4             | 1.0           | 12.1       |      |
| 5% LSD             | 1204.0 |                | 4.9          | 37.9       | 27.6      |               |             |               | 2.5            |              |                 |               | 0.7        |      |
| C.V.               | 13.7   |                | 4.2          | 11.5       | 16.6      |               |             |               | 4.4            |              |                 |               | 3.8        |      |



TABLE: 129-V-84

YEAR: 1954

TRIAL: EVT12A  
MEANS ACROSS 38 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION | REGION      |              |              |             |              | OVER ALL                |                      |                 |
|--------------------|-------------------|-------------|--------------|--------------|-------------|--------------|-------------------------|----------------------|-----------------|
|                    |                   | I<br>KG./HA | II<br>KG./HA | IV<br>KG./HA | V<br>KG./HA | VI<br>KG./HA | ←----<br>DAYS<br>FLOWER | MEAN<br>PLANT<br>HT. | ----→<br>KG./HA |
| 14 Across          | 8243              | 5968        | 5957         | 4121         | 6558        | 5537         | 61                      | 225                  | 5563            |
| 8 Ferke            | 8243              | 6126        | 5738         | 4331         | 6671        | 5355         | 61                      | 226                  | 5512            |
| 13 Suwan           | 8243              | 5581        | 5740         | 4441         | 6213        | 5620         | 61                      | 224                  | 5479            |
| 12 Sta. Rosa (1)   | 3243              | 5930        | 5812         | 4313         | 6276        | 5329         | 61                      | 225                  | 5476            |
| 10 Ikenne          | 8243              | 5540        | 5778         | 4193         | 6096        | 5582         | 62                      | 222                  | 5420            |
| 9 Ferke (1)        | 8243              | 5440        | 5871         | 4209         | 6192        | 5301         | 62                      | 222                  | 5420            |
| 15 Across          | 7622RE            | 5772        | 5612         | 4123         | 6029        | 5586         | 60                      | 207                  | 5349            |
| 3 Palmira          | 8129              | 5977        | 5510         | 4045         | 6294        | 5529         | 60                      | 201                  | 5328            |
| 2 El Plantel(1)    | 8129              | 5714        | 5666         | 4263         | 5412        | 5410         | 59                      | 197                  | 5303            |
| 6 Catacamas        | 8243              | 5413        | 5720         | 4116         | 6219        | 5092         | 61                      | 224                  | 5302            |
| 5 Across           | 8129              | 5771        | 5530         | 3976         | 5923        | 5575         | 59                      | 197                  | 5270            |
| 16 Across          | 7729RE            | 5385        | 5525         | 4211         | 6005        | 5194         | 61                      | 208                  | 5230            |
| 1 Potchefstroom    | 8121              | 5319        | 5333         | 4177         | 6356        | 5412         | 61                      | 204                  | 5207            |
| 4 Palmira (1)      | 8129              | 5584        | 5347         | 3885         | 6166        | 5479         | 59                      | 198                  | 5166            |
| 7 Catacamas (1)    | 8243              | 5903        | 5413         | 3886         | 6004        | 5042         | 62                      | 222                  | 5137            |
| 11 Ikenne (1)      | 8243              | 5168        | 5543         | 3958         | 5655        | 5163         | 61                      | 225                  | 5120            |
| Mean               |                   | 5662        | 5631         | 4141         | 6129        | 5388         | 61                      | 214                  | 5330            |
| No of Locations    |                   | 4           | 16           | 8            | 4           | 6            | 37                      | 37                   | 38              |

Region I= South America  
 II= North, Central America and the Caribbean  
 IV= West Africa  
 V= East and South Africa  
 VI= Asia

TABLE: 130-V-84

EVT12P YEAR 1984

MEXICO

POZA RICA

CO-OPERATOR: CIMMYT

| ENTRY NO./PEDIGREE    | KG/H  | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | FAR<br>HT | STEM<br>LOAD | ROOT<br>LOAD | WEAR<br>PCT | HUSK<br>COVER | PLANTS<br>HARY | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | HCIST<br>% |
|-----------------------|-------|---------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|----------------|--------------|-----------------|---------------|------------|
| 5 SUWAN 8222          | 7710  | 100           | 57           | 137        | 100       | 18.2         | 13.1         | 21.0        | 3.3           | 44.0           | 11.2         | 3.0             | 1.0           | 21.1       |
| 1 GWEBI (1) 8222      | 7320  | 102           | 55           | 204        | 105       | 15.1         | 17.4         | 29.7        | 2.3           | 43.0           | 2.2          | 3.3             | 1.0           | 21.8       |
| 11 ACROSS 7843-9      | 7153  | 100           | 57           | 230        | 132       | 11.4         | 13.7         | 24.6        | 2.3           | 43.8           | 4.6          | 2.8             | 1.0           | 22.4       |
| 6 SUWAN (1) 8222      | 7151  | 100           | 53           | 192        | 97        | 13.9         | 13.8         | 19.0        | 3.0           | 43.5           | 8.6          | 3.0             | 1.0           | 20.7       |
| 4 MARACAY 8222        | 7021  | 95            | 57           | 189        | 96        | 16.8         | 14.5         | 28.1        | 2.8           | 42.8           | 6.4          | 2.8             | 1.0           | 21.6       |
| 8 ACRDSS              | 6334  | 95            | 59           | 127        | 96        | 13.2         | 12.6         | 31.7        | 2.8           | 43.0           | 8.7          | 3.3             | 1.0           | 21.4       |
| 9 TLALTIZAPAN 8321D** | 6355  | 97            | 55           | 171        | 93        | 16.5         | 13.1         | 27.5        | 3.3           | 43.8           | 11.5         | 3.5             | 1.0           | 21.9       |
| 3 LOS BANDS (1) 8222  | 6350  | 95            | 57           | 152        | 94        | 22.7         | 14.9         | 26.1        | 2.8           | 44.0           | 5.1          | 3.0             | 1.0           | 20.2       |
| 2 LOS BANDS 8222      | 6564  | 93            | 58           | 130        | 93        | 22.0         | 15.1         | 19.2        | 2.8           | 43.3           | 7.9          | 3.3             | 1.0           | 19.9       |
| 10 ACROSS 7622RF      | 6462  | 93            | 59           | 190        | 107       | 16.3         | 13.4         | 15.7        | 2.8           | 42.8           | 6.0          | 3.0             | 1.0           | 20.4       |
| 7 GUEBI (2) 8222      | 6294  | 92            | 57           | 192        | 95        | 16.7         | 12.2         | 30.6        | 2.8           | 43.3           | 7.0          | 3.0             | 1.0           | 20.4       |
| MEANS                 | 6983  | 97            | 58           | 191        | 101       | 16.6         | 14.2         | 24.8        | 2.8           | 43.4           | 7.2          | 3.1             | 1.0           | 21.1       |
| MAXIMUM               | 7710  | 102           | 63           | 230        | 132       | 22.7         | 17.4         | 31.7        | 3.3           | 44.0           | 11.5         | 3.5             | 1.0           | 22.4       |
| MINIMUM               | 6294  | 85            | 57           | 171        | 93        | 11.4         | 12.6         | 15.7        | 2.3           | 42.8           | 2.2          | 2.8             | 1.0           | 19.9       |
| CHECKS (TESTIGOS):    |       |               |              |            |           |              |              |             |               |                |              |                 |               |            |
| 13 POP 22C6           | 7170  | -             | 58           | 179        | 95        | 12.7         | 14.5         | 17.5        | 2.5           | 43.0           | 9.2          | 2.8             | 1.0           | 21.4       |
| 12 POZA RICA HC 8121  | 6714  | -             | 61           | 206        | 113       | 16.5         | 19.9         | 24.8        | 2.8           | 44.3           | 7.6          | 3.5             | 1.0           | 20.4       |
| CHECK MEANS           | 5942  | -             | 59           | 192        | 103       | 14.8         | 17.1         | 21.1        | 2.6           | 43.6           | 8.4          | 3.1             | 1.0           | 20.9       |
| 5% LSC                | 707.9 |               | 1.0          | 11.4       | 5.4       |              |              |             |               | 1.5            |              |                 |               | 1.7        |
| C.V.                  | 7.1   |               | 1.2          | 4.1        | 4.4       |              |              |             |               | 2.4            |              |                 |               | 5.5        |

TABLE: 131-V-84

EVT125 YEAR 1954 MEXICO CO. OREGON  
 CO-OPERATOR: ANGEL SUQUI, OSCAR COTA

| ENTRY NO./PEDIGREE    | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LONG | ROOT<br>LOGG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|---------------|------------|
| 1 GWEBI (1) 8222      | 2161  | 110            | 82           | 225        | 119       | 0.6          | 4.8          | 2.2         | 43.3           | 4.1           | 27.1         | 1.1           | 17.5       |
| 6 SUWAN (1) 8222      | 8059  | 109            | 81           | 210        | 113       | 0.0          | 5.5          | 2.2         | 40.0           | 4.4           | 23.8         | 1.2           | 19.3       |
| 5 SUWAN 8222          | 8026  | 109            | 90           | 210        | 119       | 0.6          | 2.4          | 0.5         | 41.5           | 4.4           | 26.8         | 1.1           | 20.3       |
| 7 GWEBI (2) 8222      | 7919  | 107            | 81           | 213        | 121       | 0.0          | 3.7          | 3.5         | 41.3           | 4.0           | 25.7         | 1.2           | 19.3       |
| 2 LOS BANDS 8222      | 7766  | 105            | 82           | 214        | 114       | 0.6          | 3.1          | 1.6         | 39.3           | 4.3           | 28.4         | 1.2           | 16.5       |
| 10 ACROSS 7622RE      | 7703  | 104            | 86           | 206        | 110       | 0.0          | 2.8          | 2.3         | 44.3           | 4.0           | 18.9         | 1.1           | 17.2       |
| 4 MARACAY 8222        | 7602  | 103            | 81           | 216        | 120       | 0.0          | 1.9          | 2.8         | 41.5           | 4.0           | 26.0         | 1.1           | 17.6       |
| 3 LOS BANDS (1) 5222  | 7569  | 102            | 81           | 219        | 110       | 0.0          | 3.2          | 3.5         | 41.0           | 4.5           | 25.1         | 1.1           | 18.6       |
| 9 TLALTIZAPAN 83210** | 7472  | 101            | 31           | 199        | 105       | 0.6          | 6.7          | 2.0         | 42.3           | 4.0           | 22.9         | 1.1           | 17.1       |
| 8 ACROSS              | 7359  | 99             | 84           | 224        | 125       | 0.0          | 3.8          | 3.8         | 40.5           | 4.1           | 29.5         | 1.1           | 20.1       |
| 11 ACROSS 7843RE      | 6532  | 88             | 67           | 233        | 135       | 1.2          | 2.9          | 9.4         | 43.8           | 4.0           | 17.0         | 1.1           | 19.0       |
| MEANS                 | 7652  | 103            | 80           | 216        | 117       | 0.3          | 3.7          | 3.1         | 41.7           | 4.2           | 24.7         | 1.1           | 18.2       |
| MAXIMUM               | 8161  | 110            | 86           | 233        | 135       | 1.2          | 6.7          | 9.4         | 44.3           | 4.5           | 29.5         | 1.2           | 20.3       |
| MINIMUM               | 6532  | 88             | 67           | 199        | 105       | 0.0          | 1.8          | 0.5         | 39.3           | 4.0           | 17.0         | 1.1           | 16.5       |
| CHECKS (TESTIGOS):    |       |                |              |            |           |              |              |             |                |               |              |               |            |
| 13 V-526              | 7415  | -              | 87           | 235        | 126       | 0.0          | 0.6          | 6.8         | 39.0           | 4.0           | 20.0         | 1.2           | 18.5       |
| 12 V-455              | 6181  | -              | 87           | 225        | 123       | 0.0          | 2.3          | 5.7         | 31.5           | 3.9           | 22.1         | 1.2           | 19.5       |
| CHECK MEANS           | 6798  | -              | 86           | 230        | 124       | 0.0          | 1.5          | 6.2         | 35.3           | 3.9           | 21.0         | 1.2           | 19.0       |
| 5% LSD                | 719.5 |                | 18.1         | 21.3       | 17.3      |              |              |             | 4.0            |               |              |               | 1.9        |
| C.V.                  | 6.7   |                | 15.5         | 6.8        | 10.2      |              |              |             | 6.8            |               |              |               | 7.1        |

TABLE: 132-V-84

EVT12B YEAR 1984 MEXICO CONCOPIA, SIN.

CO-OPERATOR: MC. ESCAR PALACIOS VELARDE

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LOGG | WEAR<br>RCT | MUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|----------------|---------------|-----------------|---------------|------------|
| 7 GUEBI (2) 8222      | 6044   | 104            | 51           | 217        | 102       | 0.0          | 4.7          | 14.4        | 2.5           | 42.0           | 1.9           | 2.3             | 0.9           | 26.5       |
| 2 LOS BANDS 8222      | 5760   | 99             | 50           | 200        | 97        | 1.5          | 2.9          | 21.4        | 2.5           | 42.3           | 2.5           | 2.5             | 0.9           | 26.6       |
| 5 SUWAN 8222          | 5370   | 96             | 51           | 196        | 93        | 0.0          | 4.9          | 15.9        | 2.8           | 39.5           | 1.9           | 3.3             | 1.0           | 27.9       |
| 6 SUWAN (1) 8222      | 5464   | 94             | 52           | 210        | 104       | 1.3          | 6.8          | 18.3        | 2.0           | 40.0           | 2.3           | 2.6             | 1.0           | 25.1       |
| 4 MARACAY 8222        | 5348   | 92             | 50           | 212        | 107       | 0.6          | 4.5          | 15.5        | 2.5           | 40.5           | 2.5           | 2.5             | 0.9           | 27.1       |
| 11 ACROSS 7843RE      | 5319   | 91             | 54           | 241        | 138       | 2.6          | 5.2          | 21.4        | 2.6           | 39.0           | 2.3           | 3.6             | 1.0           | 27.5       |
| 3 LOS BANDS (1) 8222  | 5243   | 90             | 51           | 211        | 102       | 0.7          | 1.9          | 12.9        | 2.3           | 39.9           | 2.5           | 2.3             | 1.1           | 27.1       |
| 10 ACROSS 7622RE      | 5195   | 89             | 53           | 205        | 106       | 0.0          | 7.7          | 17.3        | 2.8           | 39.9           | 2.5           | 2.6             | 0.9           | 25.0       |
| 8 ACROSS              | 5167   | 89             | 51           | 209        | 109       | 4.0          | 5.8          | 19.2        | 2.5           | 39.0           | 2.5           | 2.8             | 0.9           | 27.3       |
| 1 GWEBI (1) 8222      | 5130   | 88             | 51           | 215        | 104       | 2.9          | 2.2          | 15.2        | 2.0           | 37.8           | 2.3           | 3.0             | 0.9           | 27.1       |
| 9 TLALTIZAPAN 8321D** | 4616   | 79             | 49           | 190        | 96        | 2.0          | 11.4         | 14.6        | 2.3           | 37.5           | 2.5           | 2.8             | 0.9           | 28.1       |
| MEANS                 | 5350   | 92             | 51           | 210        | 106       | 1.4          | 5.3          | 17.0        | 2.4           | 39.7           | 2.3           | 2.9             | 0.9           | 26.8       |
| MAXIMUM               | 6044   | 104            | 54           | 241        | 139       | 4.0          | 11.4         | 21.4        | 2.8           | 42.3           | 2.5           | 3.6             | 1.1           | 28.1       |
| MINIMUM               | 4616   | 79             | 49           | 190        | 96        | 0.0          | 1.9          | 12.9        | 2.0           | 37.5           | 1.8           | 2.5             | 0.9           | 25.0       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |               |                |               |                 |               |            |
| 13 H-422              | 5831   | -              | 53           | 211        | 106       | 0.0          | 5.6          | 10.8        | 2.0           | 35.5           | 1.5           | 2.3             | 0.9           | 26.8       |
| 12 V-455              | 5495   | -              | 52           | 213        | 113       | 2.0          | 6.4          | 14.1        | 2.3           | 40.0           | 2.3           | 3.0             | 0.9           | 27.5       |
| CHECK MEANS           | 5663   | -              | 52           | 211        | 109       | 1.0          | 6.0          | 12.5        | 2.1           | 37.8           | 1.9           | 2.6             | 0.9           | 27.1       |
| 5% LSD                | 1021.8 |                | 1.7          | 15.7       | 10.3      |              |              |             |               | 4.8            |               |                 |               | 3.5        |
| C.V.                  | 13.2   |                | 2.4          | 5.2        | 6.7       |              |              |             |               | 5.5            |               |                 |               | 9.1        |

TABLE: 133-V-84

EVT128 YEAR 1984 KENYA H.I.R.S.  
CO-OPERATOR:MR. C.E. SARAJA

| ENTRY NO./PEDIGREE    | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | F49<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |  |
|-----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|---------------|--------------|-----------------|---------------|------------|--|
| 3 LOS BANOS (1) 8222  | 5141  | 124            | 65           | 150        | 79        | 0.0          | 1.9          | 3.4         | 1.8          | 42.3           | 2.0           | 9.2          | 1.8             | 1.0           | 13.8       |  |
| 5 SUWAN 8222          | 4997  | 122            | 64           | 153        | 79        | 0.0          | 10.9         | 5.3         | 1.5          | 39.0           | 1.5           | 7.8          | 1.5             | 1.0           | 14.3       |  |
| 6 SUWAN (1) 8222      | 4955  | 123            | 67           | 153        | 74        | 1.4          | 3.4          | 4.8         | 2.0          | 40.3           | 2.0           | 8.7          | 2.0             | 1.1           | 14.0       |  |
| 2 LOS BANOS 8222      | 4975  | 122            | 66           | 156        | 79        | 0.0          | 1.9          | 9.7         | 2.0          | 42.8           | 2.5           | 14.7         | 1.5             | 1.0           | 13.9       |  |
| 1 GWEBI (1) 8222      | 4971  | 122            | 66           | 154        | 79        | 0.0          | 4.4          | 3.0         | 1.3          | 41.3           | 2.0           | 6.0          | 2.0             | 1.0           | 13.9       |  |
| 8 ACROSS              | 4353  | 119            | 67           | 157        | 78        | 1.8          | 10.9         | 4.1         | 2.0          | 42.8           | 2.5           | 10.0         | 2.3             | 1.0           | 14.2       |  |
| 7 GWEBI (2) 8222      | 4354  | 119            | 66           | 151        | 77        | 0.0          | 5.9          | 10.2        | 1.8          | 42.0           | 2.3           | 7.8          | 2.0             | 1.0           | 14.2       |  |
| 11 ACROSS 7643RE      | 4573  | 115            | 70           | 196        | 104       | 1.3          | 9.3          | 5.4         | 1.5          | 40.8           | 2.5           | 4.8          | 1.8             | 1.0           | 14.2       |  |
| 4 MARACAY 8222        | 4522  | 114            | 67           | 157        | 71        | 0.0          | 6.7          | 8.6         | 2.0          | 37.0           | 1.8           | 9.5          | 2.3             | 1.0           | 14.0       |  |
| 10 ACROSS 7522RE      | 4574  | 113            | 64           | 151        | 82        | 1.3          | 2.4          | 7.7         | 1.8          | 39.5           | 2.5           | 17.4         | 1.8             | 1.0           | 14.3       |  |
| 9 TLALTIZAPAN 82210** | 4595  | 113            | 64           | 151        | 75        | 0.0          | 1.9          | 6.5         | 2.0          | 39.5           | 2.5           | 7.2          | 2.0             | 1.0           | 14.3       |  |
| MEANS                 | 4640  | 119            | 67           | 162        | 80        | 0.6          | 5.9          | 6.3         | 1.8          | 40.6           | 2.2           | 9.4          | 1.9             | 1.0           | 14.1       |  |
| MAXIMUM               | 5141  | 126            | 70           | 196        | 104       | 1.8          | 10.9         | 10.2        | 2.0          | 42.8           | 2.5           | 17.4         | 2.3             | 1.1           | 14.3       |  |
| MINIMUM               | 4353  | 113            | 65           | 151        | 71        | 0.0          | 1.8          | 3.0         | 1.3          | 37.0           | 1.5           | 4.8          | 1.5             | 1.0           | 13.8       |  |
| CHECKS (TESTIGOS):    |       |                |              |            |           |              |              |             |              |                |               |              |                 |               |            |  |
| 13 PWANI HYBRID III   | 4055  | -              | 67           | 142        | 83        | 0.9          | 8.2          | 4.4         | 1.5          | 36.5           | 2.8           | 3.4          | 2.3             | 1.0           | 14.1       |  |
| 12 COAST COMPOSITE    | 2508  | -              | 68           | 224        | 130       | 9.8          | 56.9         | 9.9         | 1.8          | 34.0           | 3.8           | 7.7          | 3.0             | 1.2           | 13.9       |  |
| CHECK MEANS           | 3797  | -              | 67           | 192        | 86        | 5.4          | 32.5         | 7.1         | 1.6          | 35.3           | 3.3           | 5.6          | 2.6             | 1.1           | 14.0       |  |
| SE LSE                | 590.3 |                | 1.5          | 12.1       | 9.9       |              |              |             |              | 4.9            |               |              |                 |               | 0.3        |  |
| C.V.                  | 3.3   |                | 1.6          | 5.1        | 8.4       |              |              |             |              | 8.6            |               |              |                 |               | 1.5        |  |

TABLE: 134-V-84

YEAR 1984

TRIAL: EVT 128  
MEANS ACROSS 7 LOCATIONS

| ENTRY NO. AND NAME    | PARENT POPULATION      | REGION      |              |             | OVER ALL                        |              |        |
|-----------------------|------------------------|-------------|--------------|-------------|---------------------------------|--------------|--------|
|                       |                        | I<br>KG./HA | II<br>KG./HA | V<br>KG./HA | <-----MEAN-----><br>DAYS FLOWER | PLANT<br>HT. | KG./HA |
| 5 SUWAN 8222          | Mezcla Tropical Blanca | 4487        | 6052         | 4663        | 62                              | 204          | 5677   |
| 1 GUEBI (1) 8222      | Mezcla Tropical Blanca | 3913        | 6031         | 4971        | 62                              | 213          | 5577   |
| 6 SUWAN (1) 8222      | Mezcla Tropical Blanca | 3821        | 6042         | 4989        | 63                              | 207          | 5574   |
| 4 MARACAY 8222        | Mezcla Tropical Blanca | 4189        | 5998         | 4622        | 62                              | 205          | 5543   |
| 3 LOS BANDS (1) 8222  | Mezcla Tropical Blanca | 4471        | 5822         | 5141        | 63                              | 203          | 5532   |
| 2 LOS BANDS 8222      | Mezcla Tropical Blanca | 3864        | 5950         | 4976        | 62                              | 198          | 5513   |
| 7 GUEBI (2) 8222      | Mezcla Tropical Blanca | 3763        | 5955         | 4833        | 62                              | 209          | 5474   |
| 8 ACROSS 8222         | Mezcla Tropical Blanca | 4412        | 5780         | 4853        | 64                              | 207          | 5452   |
| 9 TLALTIZAPAN 8321D** | Tuxoeno-1              | 4220        | 5661         | 4585        | 63                              | 192          | 5302   |
| 11 ACROSS 7843RE      | La Posta               | 3480        | 5573         | 4673        | 64                              | 236          | 5145   |
| 10 ACROSS 7622RE      | Mezcla Tropical Blanca | 3918        | 5669         | 4604        | 64                              | 207          | 4604   |
| Mean                  |                        | 4049        | 5867         | 4810        | 62                              | 207          | 5399   |
| No of Locations       |                        | 1           | 5            | 1           | 7                               | 7            | 7      |

Region I= South America

II= North, Central America and the Caribbean

V= East and South Africa

TABLE: 135-V-84

EVT13      YEAR 1984      ARGENTINA      LEALES  
 CO-OPERATOR: LUIS GERONIMO GOMEZ, INTA LEALES

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | STEM<br>LOGG | PLANTS<br>HARV | EARS/<br>PLAT | MCIST<br>% |
|----------------------|-------|----------------|--------------|----------------|---------------|------------|
| 9 Jardinopolis 8227  | 4585  | 115            | 12.5         | 37.8           | 0.9           | 18.4       |
| 17 Across 7627 RE    | 4549  | 114            | 12.5         | 38.3           | 0.9           | 18.2       |
| 14 Across 8227       | 4472  | 113            | 15.3         | 38.5           | 0.9           | 21.0       |
| 12 Pichilingue 8227  | 4385  | 110            | 14.5         | 37.3           | 0.9           | 19.5       |
| 8 Alajuela (1) 8227  | 4340  | 109            | 15.3         | 36.0           | 0.9           | 18.4       |
| 16 Across 8136       | 4293  | 108            | 21.0         | 36.3           | 0.8           | 17.3       |
| 18 Across 7723 RE    | 4115  | 104            | 18.3         | 35.0           | 0.8           | 17.3       |
| 15 Piura 8136        | 4090  | 103            | 23.8         | 36.2           | 0.8           | 17.1       |
| 3 Pichilingue 8224   | 4015  | 101            | 18.5         | 33.3           | 0.9           | 19.4       |
| 5 Piura 8224         | 3980  | 100            | 18.5         | 37.8           | 0.8           | 18.4       |
| 10 Los Banos 9227    | 3906  | 98             | 17.5         | 33.5           | 0.9           | 18.0       |
| 13 Poza Rica 8227    | 3894  | 98             | 15.0         | 39.3           | 0.8           | 17.5       |
| 4 Poza Rica 8224     | 3653  | 92             | 15.0         | 37.8           | 0.8           | 19.7       |
| 11 Los Banos(1) 8227 | 3573  | 90             | 19.0         | 37.0           | 0.7           | 19.7       |
| 1 Capinopolis 8224   | 3537  | 89             | 19.8         | 33.3           | 0.9           | 20.0       |
| 6 Suwan 8224         | 3431  | 86             | 18.5         | 35.3           | 0.8           | 19.0       |
| 7 Across 8224        | 3401  | 86             | 24.5         | 31.5           | 0.8           | 17.2       |
| 2 Guarara 8224       | 3395  | 85             | 27.5         | 38.5           | 0.7           | 18.2       |
| MEANS                | 3979  | 100            | 19.2         | 36.3           | 0.8           | 18.5       |
| MAXIMUM              | 4585  | 115            | 27.5         | 39.3           | 0.9           | 21.0       |
| MINIMUM              | 3395  | 85             | 12.5         | 31.5           | 0.7           | 17.1       |
| CHECKS (TESTIGOS):   |       |                |              |                |               |            |
| 19 LEALES 25         | 3975  | -              | 25.8         | 35.3           | 0.9           | 16.3       |
| 20 TRCPICO 228       | 3700  | -              | 27.8         | 39.3           | 0.8           | 18.4       |
| CHECK MEANS          | 3339  | -              | 26.8         | 37.3           | 0.8           | 17.4       |
| 5% LSC               | 437.7 |                |              | 4.3            |               |            |
| C.V.                 | 14.9  |                |              | 8.4            |               |            |

TABLE: 136-V-84

EVT13      YEAR 1984      ARGENTINA      CRAN

CO-OPERATOR: CARGILL S.A.

| ENTRY NO./PEDIGREE    | KG/HA  | BEST CHECK | STEM LODG | PLANTS HARV | EAR ASPECT | PLANT ASPECT | EARS/ PLNT | MOIST % |
|-----------------------|--------|------------|-----------|-------------|------------|--------------|------------|---------|
| 18 Across 7728 RE     | 4521   | 91         | 9.3       | 31.8        | 2.8        | 3.2          | 1.1        | 24.9    |
| 1 Capinopolis 8224    | 4522   | 75         | 15.4      | 31.0        | 3.0        | 2.9          | 1.2        | 21.7    |
| 11 Los Banos(1) 8227  | 4488   | 74         | 12.6      | 31.5        | 2.0        | 3.2          | 1.1        | 21.3    |
| 3 Pichilingue 8224    | 4399   | 73         | 12.3      | 32.5        | 3.0        | 2.8          | 1.0        | 22.4    |
| 7 Across 8224         | 4277   | 71         | 10.2      | 33.8        | 3.3        | 3.2          | 0.9        | 22.2    |
| 16 Across 8136        | 4215   | 70         | 14.6      | 33.0        | 2.8        | 2.8          | 1.0        | 22.1    |
| 9 Jardinopolis 8227   | 3953   | 65         | 8.9       | 35.0        | 1.8        | 2.3          | 1.0        | 22.4    |
| 2 Guarara 8224        | 3925   | 65         | 9.4       | 31.3        | 3.3        | 3.0          | 1.0        | 22.0    |
| 10 Los Banos 8227     | 3813   | 63         | 15.1      | 30.5        | 2.0        | 3.0          | 1.1        | 21.9    |
| 13 Poza Rica 8227     | 3727   | 62         | 3.1       | 30.8        | 2.5        | 2.6          | 1.0        | 21.5    |
| 12 Pichilingue 8227   | 3701   | 61         | 12.6      | 33.5        | 2.0        | 2.5          | 1.1        | 21.6    |
| 6 Suwan 8224          | 3631   | 60         | 13.9      | 31.3        | 2.8        | 3.0          | 1.0        | 23.0    |
| 4 Poza Rica 8224      | 3624   | 60         | 3.4       | 36.3        | 3.3        | 3.0          | 0.9        | 21.6    |
| 15 Piura 8136         | 3602   | 60         | 10.9      | 30.8        | 3.0        | 3.2          | 1.0        | 20.7    |
| 8 Alajuela (1) 8227   | 3568   | 59         | 12.8      | 31.5        | 2.0        | 3.2          | 1.0        | 23.6    |
| 5 Piura 8224          | 3407   | 56         | 12.5      | 31.3        | 3.5        | 3.0          | 0.9        | 23.1    |
| 14 Across 8227        | 3239   | 54         | 12.4      | 33.3        | 2.0        | 2.5          | 0.9        | 23.5    |
| 17 Across 7627 RE     | 3121   | 52         | 10.4      | 34.0        | 2.8        | 3.0          | 0.9        | 23.9    |
| MEANS                 | 3896   | 54         | 11.4      | 32.4        | 2.6        | 2.9          | 1.0        | 22.4    |
| MAXIMUM               | 4921   | 81         | 15.4      | 36.3        | 3.5        | 3.3          | 1.2        | 24.9    |
| MINIMUM               | 3121   | 52         | 3.4       | 30.5        | 1.8        | 2.3          | 0.8        | 20.7    |
| CHECKS (TESTIGOS):    |        |            |           |             |            |              |            |         |
| 20 CARGILL EXP. 38020 | 6046   | -          | 7.0       | 32.3        | 1.9        | 2.2          | 1.2        | 23.5    |
| 19 TROPICO 228        | 4757   | -          | 8.0       | 31.3        | 1.5        | 2.3          | 1.2        | 23.5    |
| CHECK MEANS           | 5401   | -          | 7.5       | 31.8        | 1.6        | 2.3          | 1.2        | 23.5    |
| 5% LSC                | 1124.6 |            |           | 4.8         |            |              |            | 2.4     |
| C.V.                  | 19.6   |            |           | 10.6        |            |              |            | 7.6     |



TABLE: 137-V-84

EVT15      YEAR 1984      ECLIVIA      IBCPERENDA  
 CO-OPERATOR: ALBERTO HINOJOSA PADILLA, CORDECH

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 11 Los Banos(1) 8227  | 9025   | 101            | 67           | 230        | 128       | 1.2          | 0.0          | 9.6         | 38.0           | 1.0           | 1.0             | 1.2           | 21.8       |
| 1 Capinopolis 8224    | 8799   | 98             | 66           | 244        | 138       | 2.0          | 0.0          | 10.1        | 36.0           | 1.5           | 1.0             | 1.3           | 22.6       |
| 10 Los Banos 8227     | 8671   | 97             | 67           | 230        | 130       | 1.8          | 0.0          | 17.2        | 41.3           | 1.5           | 1.0             | 1.2           | 23.4       |
| 7 Across 8224         | 9533   | 95             | 68           | 233        | 128       | 5.1          | 0.0          | 12.0        | 39.5           | 1.5           | 1.3             | 1.2           | 22.3       |
| 3 Pichilingue 8224    | 8434   | 94             | 67           | 229        | 123       | 4.2          | 0.0          | 8.6         | 36.8           | 1.8           | 1.3             | 1.2           | 21.8       |
| 16 Across 8136        | 8423   | 94             | 65           | 210        | 108       | 5.8          | 0.0          | 14.7        | 37.3           | 1.5           | 1.0             | 1.3           | 21.2       |
| 5 Piura 8224          | 8364   | 92             | 68           | 213        | 113       | 4.7          | 0.6          | 18.9        | 35.8           | 1.5           | 1.3             | 1.3           | 22.4       |
| 8 Alajuela (1) 8227   | 8307   | 93             | 67           | 223        | 123       | 0.0          | 0.0          | 9.9         | 37.0           | 1.0           | 1.0             | 1.2           | 22.8       |
| 18 Across 7728 RE     | 8280   | 92             | 67           | 235        | 133       | 1.3          | 0.0          | 16.0        | 37.5           | 1.5           | 1.0             | 1.2           | 22.5       |
| 12 Pichilingue 8227   | 8197   | 92             | 67           | 225        | 123       | 2.0          | 0.0          | 13.2        | 37.3           | 1.0           | 1.3             | 1.2           | 22.9       |
| 14 Across 8227        | 8173   | 91             | 66           | 213        | 113       | 1.9          | 0.0          | 7.5         | 38.8           | 1.3           | 1.5             | 1.2           | 21.8       |
| 6 Suman 8224          | 8087   | 90             | 67           | 218        | 118       | 1.4          | 0.0          | 12.3        | 36.3           | 1.8           | 1.3             | 1.3           | 22.4       |
| 9 Jardinopolis 8227   | 8041   | 90             | 66           | 228        | 120       | 2.7          | 0.0          | 11.2        | 37.8           | 1.3           | 1.3             | 1.4           | 23.5       |
| 4 Poza Rica 8224      | 7894   | 88             | 65           | 215        | 113       | 4.5          | 0.0          | 12.9        | 34.5           | 1.5           | 1.3             | 1.2           | 22.7       |
| 2 Guarare 8224        | 7798   | 87             | 67           | 223        | 123       | 1.5          | 0.0          | 18.4        | 33.5           | 1.3           | 1.0             | 1.3           | 23.6       |
| 13 Poza Rica 8227     | 7738   | 86             | 66           | 213        | 113       | 1.2          | 0.0          | 12.8        | 36.5           | 1.5           | 1.0             | 1.1           | 22.3       |
| 15 Piura 8136         | 7587   | 85             | 66           | 210        | 108       | 4.9          | 0.0          | 13.5        | 35.3           | 1.5           | 1.3             | 1.2           | 22.2       |
| 17 Across 7627 RE     | 6566   | 73             | 66           | 205        | 103       | 0.0          | 0.0          | 7.0         | 35.0           | 1.3           | 1.5             | 1.2           | 22.9       |
| MEANS                 | 8162   | 91             | 67           | 222        | 119       | 2.6          | 0.0          | 12.5        | 36.9           | 1.4           | 1.2             | 1.2           | 22.5       |
| MAXIMUM               | 9025   | 101            | 68           | 244        | 139       | 5.8          | 0.6          | 18.9        | 41.3           | 1.8           | 1.5             | 1.4           | 23.6       |
| MINIMUM               | 6566   | 73             | 65           | 205        | 103       | 0.0          | 0.0          | 7.0         | 33.5           | 1.0           | 1.0             | 1.1           | 21.2       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |                |               |                 |               |            |
| 20 AM. IBCPERENDA     | 8956   | -              | 70           | 279        | 178       | 7.3          | 7.7          | 7.2         | 39.0           | 1.8           | 1.5             | 1.2           | 22.6       |
| 19 AM. CRIST. IBCPER. | 8656   | -              | 66           | 233        | 129       | 1.4          | 0.0          | 4.1         | 37.0           | 1.0           | 1.0             | 1.4           | 22.7       |
| CHECK MEANS           | 9806   | -              | 67           | 255        | 153       | 4.3          | 3.8          | 5.6         | 38.0           | 1.4           | 1.3             | 1.3           | 22.7       |
| 5% LSC                | 1326.8 |                | 1.3          | 23.7       | 20.0      |              |              |             | 4.8            |               |                 |               | 2.4        |
| C.V.                  | 11.4   |                | 1.4          | 7.4        | 11.5      |              |              |             | 9.2            |               |                 |               | 7.5        |

TABLE: 138-V-84

EVT13      YEAR 1984      BOLIVIA      SANTA CRUZ (3)  
 CO-OPERATOR: ING. REINEPC JRTIZ, CAPLOS MANCHEG

| ENTRY NO./PEDIGREE | KG/HA   | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>WT | STEM<br>LOG | ROOT<br>LOG | %EAR<br>RCT | PLANTS<br>HARV | FAP<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|---------|----------------|--------------|------------|-----------|-------------|-------------|-------------|----------------|--------------|--------------|---------------|------------|------|
| 17 Across          | 7627 RF | 5100           | 108          | 57         | 225       | 108         | 6.4         | 1.3         | 4.1            | 42.5         | 2.3          | 6.8           | 1.0        | 21.4 |
| 18 Across          | 7723 RF | 5021           | 108          | 58         | 220       | 113         | 7.8         | 1.3         | 3.8            | 41.5         | 2.3          | 9.5           | 1.0        | 22.0 |
| 13 Poza Rica       | 8227    | 5367           | 108          | 57         | 213       | 110         | 1.2         | 1.2         | 3.6            | 41.3         | 2.3          | 9.6           | 1.0        | 21.4 |
| 11 Los Sanos(1)    | 8227    | 5002           | 106          | 57         | 221       | 115         | 5.5         | 0.6         | 4.2            | 39.5         | 2.3          | 5.1           | 1.0        | 21.4 |
| 12 Pichilingue     | 8227    | 4807           | 102          | 59         | 210       | 116         | 10.1        | 3.5         | 5.2            | 42.0         | 2.1          | 5.8           | 0.9        | 21.9 |
| 4 Poza Rica        | 8224    | 4744           | 101          | 56         | 203       | 96          | 5.9         | 1.3         | 5.0            | 42.3         | 2.3          | 9.6           | 0.9        | 22.2 |
| 15 Piura           | 8136    | 4744           | 101          | 56         | 223       | 111         | 6.7         | 3.6         | 3.0            | 40.8         | 1.9          | 6.6           | 1.0        | 21.9 |
| 7 Across           | 8224    | 4715           | 100          | 59         | 208       | 111         | 11.1        | 3.9         | 4.2            | 42.0         | 2.3          | 7.3           | 0.9        | 22.4 |
| 16 Across          | 8136    | 4681           | 99           | 56         | 214       | 113         | 12.5        | 3.5         | 5.3            | 41.9         | 2.3          | 7.2           | 0.9        | 21.5 |
| 9 Alajuela (1)     | 8227    | 4649           | 98           | 58         | 225       | 123         | 11.2        | 1.3         | 4.6            | 41.8         | 2.5          | 5.8           | 0.9        | 22.2 |
| 5 Piura            | 8224    | 4635           | 99           | 59         | 215       | 116         | 7.1         | 3.5         | 7.0            | 42.0         | 2.4          | 3.2           | 0.9        | 22.6 |
| 3 Pichilingue      | 8224    | 4580           | 97           | 58         | 215       | 115         | 7.6         | 5.6         | 3.7            | 39.5         | 2.4          | 10.9          | 0.9        | 22.8 |
| 6 Suwan            | 8224    | 4536           | 95           | 58         | 205       | 108         | 2.4         | 3.5         | 5.1            | 40.3         | 2.5          | 7.9           | 0.9        | 22.5 |
| 10 Los Banos       | 8227    | 4529           | 95           | 58         | 216       | 115         | 4.2         | 0.6         | 5.7            | 42.3         | 2.4          | 12.0          | 0.9        | 21.0 |
| 14 Across          | 8227    | 4409           | 94           | 58         | 203       | 98          | 4.1         | 0.0         | 3.9            | 42.5         | 2.5          | 10.9          | 0.9        | 21.8 |
| 9 Jardinopolis     | 8227    | 4359           | 93           | 58         | 215       | 119         | 16.1        | 0.0         | 5.3            | 41.5         | 2.3          | 5.3           | 0.9        | 21.8 |
| 2 Guarare          | 8224    | 4223           | 90           | 57         | 205       | 104         | 7.8         | 2.8         | 5.0            | 42.5         | 2.3          | 7.8           | 0.9        | 21.7 |
| 1 Capinopolis      | 8224    | 4207           | 89           | 57         | 205       | 110         | 8.0         | 0.8         | 7.2            | 40.3         | 2.5          | 11.4          | 0.9        | 21.4 |
| MEANS              | 4571    | 99             | 57           | 214        | 111       | 7.5         | 2.3         | 4.8         | 41.5           | 2.3          | 8.2          | 0.9           | 21.9       |      |
| MAXIMUM            | 5108    | 108            | 59           | 225        | 123       | 16.1        | 6.6         | 7.2         | 42.5           | 2.5          | 12.0         | 1.0           | 22.9       |      |
| MINIMUM            | 4207    | 89             | 56           | 203        | 98        | 1.2         | 0.0         | 3.0         | 39.5           | 1.9          | 5.1          | 0.9           | 21.0       |      |
| CHECKS (TESTIGOS): |         |                |              |            |           |             |             |             |                |              |              |               |            |      |
| 19 LOCAL CHECK 1   | 4711    | -              | 57           | 224        | 112       | 11.1        | 0.0         | 3.8         | 41.3           | 2.3          | 6.6          | 0.9           | 22.9       |      |
| 20 LOCAL CHECK 2   | 3986    | -              | 40           | 265        | 160       | 9.3         | 5.5         | 6.4         | 39.8           | 3.0          | 5.1          | 0.8           | 21.5       |      |
| CHECK MEANS        | 3399    | -              | 58           | 244        | 138       | 10.2        | 2.8         | 5.1         | 40.5           | 2.6          | 5.8          | 0.9           | 21.2       |      |
| 5% LSC             | 922.6   |                | 1.5          | 18.9       | 13.5      |             |             |             | 3.3            |              |              |               |            | 1.4  |
| C.V.               | 14.3    |                | 1.9          | 6.1        | 6.4       |             |             |             | 5.6            |              |              |               |            | 4.5  |

TABLE: 139-V-84

EVT13      YEAR 1984      BRAZIL      SETE LAGOAS

CO-OPERATOR: RICARDO MAGNAVACA, EMBRAPA-CNPMS

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 18 Across 7728 RE    | 7263  | 101            | 219        | 113       | 3.6          | 11.1         | 2.3         | 42.0           | 1.1           | 16.8       |
| 12 Pichilingue 8227  | 6945  | 97             | 210        | 108       | 3.4          | 15.3         | 2.2         | 44.3           | 1.1           | 17.7       |
| 2 Guarare 8224       | 6847  | 96             | 209        | 106       | 6.9          | 22.0         | 2.8         | 43.5           | 1.0           | 17.5       |
| 9 Jardinopolis 8227  | 6550  | 92             | 205        | 104       | 4.0          | 9.2          | 0.6         | 44.0           | 1.0           | 17.7       |
| 14 Across 8227       | 6418  | 90             | 211        | 111       | 1.0          | 5.2          | 3.2         | 44.5           | 1.1           | 17.8       |
| 8 Alajucla (1) 8227  | 6364  | 89             | 218        | 118       | 4.0          | 11.8         | 2.8         | 44.5           | 1.0           | 17.4       |
| 5 Piura 8224         | 6353  | 89             | 216        | 116       | 2.8          | 14.8         | 2.4         | 43.5           | 1.0           | 18.1       |
| 1 Capinopolis 8224   | 6330  | 88             | 199        | 101       | 2.8          | 12.3         | 1.7         | 43.0           | 1.0           | 17.5       |
| 3 Pichilingue 8224   | 6323  | 88             | 221        | 120       | 3.5          | 23.0         | 2.8         | 43.3           | 1.0           | 17.3       |
| 16 Across 8136       | 6269  | 88             | 210        | 109       | 5.9          | 11.8         | 3.9         | 43.8           | 1.0           | 16.8       |
| 13 Poza Rica 8227    | 6237  | 87             | 205        | 105       | 0.6          | 8.3          | 3.0         | 42.8           | 1.0           | 18.1       |
| 7 Across 8224        | 6227  | 87             | 213        | 110       | 5.2          | 13.4         | 1.6         | 43.0           | 1.0           | 17.9       |
| 11 Los Banos(1) 8227 | 6188  | 86             | 220        | 118       | 0.6          | 5.2          | 1.7         | 43.5           | 1.0           | 18.1       |
| 6 Suwan 8224         | 6042  | 84             | 209        | 110       | 9.4          | 23.4         | 0.6         | 42.8           | 1.0           | 19.3       |
| 17 Across 7627 RE    | 5963  | 83             | 218        | 118       | 1.1          | 6.6          | 2.2         | 42.3           | 1.1           | 18.0       |
| 4 Poza Rica 8224     | 5943  | 83             | 205        | 104       | 7.2          | 12.1         | 2.2         | 44.0           | 1.0           | 16.3       |
| 10 Los Banos 8227    | 5913  | 83             | 205        | 101       | 2.3          | 8.5          | 2.9         | 44.5           | 1.0           | 17.8       |
| 15 Piura 8136        | 5729  | 80             | 208        | 106       | 2.3          | 4.0          | 3.0         | 43.3           | 1.0           | 16.3       |
| MEANS                | 6328  | 88             | 211        | 110       | 3.7          | 12.1         | 2.3         | 43.5           | 1.0           | 17.6       |
| MAXIMUM              | 7263  | 101            | 221        | 120       | 9.4          | 23.4         | 3.9         | 44.5           | 1.1           | 19.3       |
| MINIMUM              | 5729  | 80             | 199        | 101       | 0.6          | 4.0          | 0.6         | 42.0           | 1.0           | 16.3       |
| CHECKS (TESTIGOS):   |       |                |            |           |              |              |             |                |               |            |
| 20 BR 301            | 7157  | -              | 216        | 115       | 0.6          | 5.6          | 2.4         | 39.0           | 1.1           | 18.3       |
| 19 BR 300            | 5623  | -              | 218        | 118       | 5.0          | 13.0         | 1.5         | 29.8           | 1.1           | 17.3       |
| CHECK MEANS          | 6390  | -              | 216        | 116       | 2.8          | 9.3          | 1.9         | 34.4           | 1.1           | 17.8       |
| 5% LSD               | 961.2 |                | 11.1       | 9.3       |              |              |             | 3.5            |               | 1.4        |
| C.V.                 | 10.7  |                | 3.7        | 6.0       |              |              |             | 5.9            |               | 5.6        |

TABLE: 140-V-84

EVT13 YEAR 1984 BRAZIL RIBEIRO PRETO

CO-OPERATOR:SEMENTES REIS DE OURC LTDA

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | YEAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | %SAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 18 Across 7723 RE    | 5704  | 114            | 60           | 238        | 125       | 4.8         | 41.3           | 1.5           | 1.8          | 4.5             | 1.0           | 12.7       |
| 14 Across 8227       | 5415  | 108            | 59           | 230        | 121       | 7.8         | 41.3           | 1.0           | 4.5          | 4.3             | 1.0           | 12.9       |
| 16 Across 9136       | 5413  | 109            | 58           | 233        | 120       | 11.7        | 40.3           | 2.3           | 3.8          | 5.0             | 1.0           | 12.9       |
| 5 Piura 8224         | 5231  | 105            | 61           | 240        | 131       | 7.4         | 40.5           | 1.5           | 3.2          | 4.8             | 1.0           | 13.1       |
| 13 Poza Rica 8227    | 5230  | 105            | 60           | 216        | 109       | 9.5         | 40.0           | 1.8           | 4.4          | 5.0             | 1.0           | 12.7       |
| 10 Los Banos 8227    | 5204  | 104            | 60           | 235        | 130       | 5.3         | 42.8           | 1.8           | 0.6          | 4.8             | 1.0           | 13.1       |
| 7 Across 8224        | 5172  | 104            | 60           | 241        | 129       | 10.6        | 38.3           | 2.0           | 4.1          | 4.8             | 1.0           | 13.3       |
| 9 Jardinopolis 8227  | 5135  | 103            | 60           | 233        | 125       | 6.6         | 41.5           | 1.5           | 2.6          | 4.3             | 1.0           | 13.0       |
| 15 Piura 8136        | 5033  | 101            | 55           | 220        | 119       | 14.6        | 40.8           | 2.5           | 1.2          | 4.8             | 1.0           | 13.1       |
| 2 Guarare 8224       | 4999  | 100            | 60           | 230        | 123       | 12.1        | 41.8           | 2.3           | 5.6          | 4.3             | 1.0           | 12.8       |
| 8 Alajucla (1) 8227  | 4885  | 98             | 60           | 235        | 119       | 7.5         | 40.8           | 1.8           | 2.5          | 4.8             | 1.0           | 13.0       |
| 17 Across 7627 RE    | 4783  | 96             | 60           | 235        | 121       | 8.0         | 40.3           | 1.8           | 3.0          | 4.5             | 1.0           | 13.1       |
| 12 Pichilingue 8227  | 4776  | 96             | 60           | 233        | 125       | 8.3         | 40.8           | 1.5           | 2.2          | 4.5             | 1.0           | 12.8       |
| 3 Pichilingue 8224   | 4681  | 94             | 62           | 220        | 115       | 15.4        | 42.0           | 2.5           | 1.3          | 4.8             | 1.0           | 13.1       |
| 4 Poza Rica 8224     | 4651  | 93             | 60           | 223        | 119       | 6.1         | 42.0           | 2.5           | 3.6          | 4.3             | 1.0           | 12.8       |
| 1 Capinopolis 8224   | 4642  | 93             | 60           | 220        | 119       | 11.5        | 39.8           | 2.0           | 2.4          | 4.8             | 1.0           | 13.0       |
| 11 Los Banos(1) 8227 | 4588  | 92             | 61           | 240        | 126       | 7.1         | 40.3           | 1.3           | 4.4          | 5.0             | 1.0           | 12.6       |
| 6 Suwon 8224         | 4491  | 90             | 60           | 228        | 121       | 11.3        | 39.3           | 3.0           | 3.4          | 4.5             | 1.0           | 13.0       |
| MEANS                | 5002  | 100            | 60           | 230        | 122       | 9.2         | 40.7           | 1.9           | 3.0          | 4.6             | 1.0           | 12.9       |
| MAXIMUM              | 5704  | 114            | 62           | 241        | 131       | 15.4        | 42.8           | 3.0           | 5.6          | 5.0             | 1.0           | 13.3       |
| MINIMUM              | 4491  | 90             | 55           | 216        | 109       | 4.8         | 38.3           | 1.0           | 0.6          | 4.3             | 1.0           | 12.6       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |             |                |               |              |                 |               |            |
| 19 RD 4027           | 4996  | -              | 64           | 269        | 159       | 8.2         | 40.0           | 2.3           | 3.2          | 4.0             | 1.0           | 12.9       |
| 20 RD 2042           | 4898  | -              | 66           | 253        | 143       | 10.4        | 37.8           | 2.0           | 1.3          | 4.5             | 1.0           | 12.8       |
| CHECK MEANS          | 4947  | -              | 64           | 260        | 150       | 9.3         | 38.9           | 2.1           | 2.2          | 4.3             | 1.0           | 12.8       |
| 5% LSC               | 980.8 |                | 0.7          | 21.4       | 18.5      |             | 4.2            |               |              |                 |               | 0.5        |
| C.V.                 | 13.9  |                | 0.9          | 6.5        | 10.5      |             | 7.3            |               |              |                 |               | 2.7        |

TABLE: 141-V-84

EVT13      YEAR 1984      BRAZIL      CAPINOPOLIS

CO-OPERATOR: SEMENTES AGRICOLAS S.A.

| ENTRY NO./PEDIGREE | KG/HA   | HEIGHT<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAP<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | HUSK<br>COVER | ENDG<br>HARD | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT |     |
|--------------------|---------|-----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|--------------|----------------|---------------|-----------------|---------------|-----|
| 18 Across          | 7728 PE | 6351            | 102          | 59         | 223       | 119          | 1.1          | 1.7         | 0.6           | 2.9          | 2.5            | 44.0          | 2.5             | 3.0           | 1.0 |
| 14 Across          | 8227    | 6605            | 98           | 59         | 205       | 106          | 2.9          | 0.6         | 2.3           | 2.0          | 1.0            | 43.8          | 1.0             | 2.3           | 1.0 |
| 5 Piura            | 8224    | 6266            | 93           | 50         | 205       | 105          | 1.1          | 0.0         | 1.9           | 1.8          | 3.0            | 43.0          | 2.3             | 2.5           | 1.0 |
| 1 Capinopolis      | 8224    | 6132            | 91           | 56         | 199       | 101          | 4.1          | 0.0         | 3.7           | 1.5          | 2.5            | 43.5          | 2.8             | 3.0           | 1.0 |
| 10 Los Banos       | 8227    | 5941            | 91           | 59         | 202       | 103          | 1.1          | 0.0         | 8.9           | 1.5          | 1.0            | 43.5          | 1.3             | 3.0           | 1.0 |
| 15 Piura           | 8136    | 5915            | 88           | 53         | 186       | 91           | 1.1          | 1.1         | 3.0           | 2.3          | 2.5            | 43.3          | 2.8             | 3.3           | 1.0 |
| 8 Alajuela (1)     | 8227    | 5757            | 86           | 53         | 205       | 101          | 2.9          | 0.6         | 1.8           | 1.5          | 1.3            | 43.5          | 1.8             | 3.3           | 0.9 |
| 3 Pichilingue      | 8224    | 5761            | 86           | 60         | 214       | 111          | 4.0          | 1.1         | 2.9           | 1.3          | 3.0            | 44.0          | 3.0             | 3.0           | 1.0 |
| 7 Across           | 8224    | 5727            | 85           | 60         | 210       | 109          | 1.7          | 0.6         | 3.7           | 2.0          | 2.5            | 43.0          | 2.5             | 2.5           | 1.0 |
| 9 Jardinopolis     | 8227    | 5710            | 85           | 59         | 198       | 94           | 2.3          | 0.6         | 1.8           | 1.8          | 1.0            | 43.8          | 1.8             | 3.3           | 1.0 |
| 4 Poza Rica        | 8224    | 5632            | 84           | 53         | 205       | 98           | 2.8          | 0.0         | 3.6           | 1.8          | 2.8            | 43.8          | 3.0             | 3.3           | 0.9 |
| 2 Guarare          | 8224    | 5627            | 84           | 58         | 193       | 95           | 2.3          | 1.1         | 1.9           | 1.8          | 3.0            | 44.0          | 2.8             | 2.9           | 0.9 |
| 16 Across          | 8136    | 5522            | 82           | 58         | 190       | 90           | 1.1          | 1.7         | 4.9           | 2.0          | 3.0            | 44.0          | 2.3             | 2.5           | 0.9 |
| 13 Poza Rica       | 8227    | 5507            | 82           | 59         | 176       | 90           | 0.6          | 0.0         | 4.1           | 1.3          | 1.3            | 43.3          | 1.5             | 3.0           | 1.0 |
| 11 Los Banos(1)    | 8227    | 5319            | 79           | 41         | 134       | 85           | 5.7          | 0.6         | 3.2           | 2.3          | 1.0            | 43.5          | 1.8             | 3.0           | 0.9 |
| 17 Across          | 7627    | 5020            | 75           | 39         | 200       | 99           | 1.7          | 0.0         | 1.9           | 1.8          | 1.0            | 43.8          | 1.6             | 3.3           | 0.9 |
| 12 Pichilingue     | 8227    | 5000            | 74           | 61         | 120       | 89           | 1.1          | 0.0         | 5.0           | 1.5          | 1.0            | 44.3          | 1.8             | 3.3           | 0.9 |
| 6 Suwan            | 8224    | 4953            | 74           | 60         | 134       | 101          | 2.2          | 2.3         | 2.0           | 2.0          | 2.0            | 43.5          | 2.9             | 3.0           | 0.9 |
| MEANS              | 5733    | 85              | 59           | 195        | 99        | 2.7          | 0.7          | 3.2         | 1.8           | 2.0          | 43.7           | 2.2           | 3.0             | 0.9           |     |
| MAXIMUM            | 6351    | 102             | 43           | 223        | 113       | 5.7          | 2.3          | 8.9         | 2.8           | 3.0          | 44.3           | 3.0           | 3.9             | 1.0           |     |
| MINIMUM            | 4953    | 74              | 51           | 176        | 83        | 0.6          | 0.0          | 0.6         | 1.3           | 1.0          | 43.0           | 1.0           | 2.5             | 0.9           |     |
| CHECKS (TESTIGDS): |         |                 |              |            |           |              |              |             |               |              |                |               |                 |               |     |
| 19 AG-301          | 6721    | -               | 52           | 229        | 134       | 4.4          | 0.0          | 1.7         | 1.0           | 3.8          | 43.3           | 1.3           | 2.5             | 1.0           |     |
| 20 AG-401          | 4350    | -               | 53           | 221        | 134       | 5.8          | 0.5          | 0.6         | 1.0           | 3.0          | 43.0           | 2.0           | 3.0             | 1.1           |     |
| CHECK MEANS        | 6655    | -               | 52           | 225        | 133       | 5.2          | 0.3          | 1.1         | 1.0           | 3.4          | 43.1           | 1.6           | 2.8             | 1.0           |     |
| ST. DEV.           | 1152.3  |                 | 1.3          | 17.7       | 15.2      |              |              |             |               |              | 0.9            |               |                 |               |     |
| C.V.               | 14.0    |                 | 1.6          | 6.1        | 10.5      |              |              |             |               |              | 1.5            |               |                 |               |     |

TABLE: 142-V-84

EVT13 YEAR 1994 BRAZIL BARRETOS  
CO-OPERATOR: BRASKALB

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PUCC<br>POLY | HELM<br>TURC | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|------------|
| 18 Across 7725 RE    | 5033  | 115            | 59           | 227        | 129       | 7.4          | 1.7          | 7.7         | 1.8          | 1.0          | 43.8           | 1.0           | 17.3       |
| 8 Alajuela (1) 8227  | 4753  | 112            | 58           | 240        | 138       | 6.3          | 0.0          | 9.6         | 2.0          | 1.0          | 43.3           | 0.9           | 17.3       |
| 14 Across 8227       | 4720  | 111            | 59           | 226        | 124       | 5.2          | 1.8          | 8.1         | 3.8          | 1.0          | 43.3           | 0.9           | 18.3       |
| 1 Capinopolis 8224   | 4532  | 109            | 59           | 224        | 125       | 25.6         | 1.1          | 10.5        | 2.8          | 1.8          | 44.0           | 0.9           | 18.8       |
| 5 Piura 8224         | 4536  | 108            | 60           | 231        | 128       | 25.5         | 3.4          | 19.8        | 2.8          | 2.0          | 44.0           | 0.9           | 19.0       |
| 13 Poza Rica 8227    | 4584  | 108            | 58           | 223        | 118       | 4.6          | 0.0          | 12.2        | 3.0          | 1.8          | 43.8           | 0.9           | 18.0       |
| 2 Guarare 8224       | 4580  | 108            | 58           | 239        | 134       | 22.2         | 4.0          | 17.2        | 2.8          | 3.0          | 43.8           | 1.0           | 17.9       |
| 7 Across 8224        | 4513  | 106            | 59           | 236        | 131       | 42.6         | 1.7          | 7.9         | 2.8          | 2.0          | 44.0           | 0.9           | 18.8       |
| 12 Pichilingue 8227  | 4510  | 106            | 58           | 243        | 139       | 4.6          | 0.0          | 15.6        | 2.8          | 1.0          | 43.8           | 0.9           | 19.3       |
| 15 Piura 3136        | 4443  | 104            | 56           | 227        | 129       | 11.6         | 0.0          | 11.5        | 3.8          | 1.0          | 43.0           | 0.9           | 18.8       |
| 3 Pichilingue 8224   | 4413  | 104            | 60           | 237        | 136       | 33.0         | 0.0          | 5.2         | 3.0          | 3.5          | 43.0           | 0.9           | 18.8       |
| 16 Across 3136       | 4413  | 104            | 57           | 225        | 122       | 16.2         | 0.0          | 9.5         | 3.8          | 2.8          | 43.3           | 0.9           | 17.0       |
| 6 Suwan 3224         | 4391  | 103            | 60           | 239        | 127       | 22.8         | 1.7          | 9.1         | 3.8          | 1.8          | 43.8           | 0.9           | 18.8       |
| 9 Jardinopolis 8227  | 4359  | 102            | 58           | 232        | 136       | 14.2         | 0.0          | 8.6         | 3.0          | 1.8          | 44.0           | 0.9           | 17.8       |
| 10 Los Banos 8227    | 4300  | 101            | 58           | 230        | 132       | 21.2         | 2.4          | 11.3        | 3.0          | 2.8          | 43.3           | 0.9           | 17.9       |
| 11 Los Banos(1) 8227 | 4238  | 101            | 59           | 233        | 132       | 9.9          | 0.0          | 12.6        | 3.8          | 1.0          | 43.8           | 0.9           | 18.0       |
| 17 Across 7627 RE    | 4279  | 101            | 58           | 235        | 130       | 6.4          | 1.8          | 12.5        | 2.8          | 1.8          | 42.0           | 1.0           | 17.0       |
| 4 Poza Rica 8224     | 3990  | 94             | 59           | 212        | 117       | 10.6         | 2.3          | 10.7        | 3.0          | 1.8          | 42.3           | 0.9           | 18.0       |
| MEANS                | 4491  | 106            | 59           | 232        | 130       | 16.2         | 1.2          | 11.1        | 3.0          | 1.8          | 43.4           | 0.9           | 18.1       |
| MAXIMUM              | 5033  | 115            | 60           | 243        | 139       | 42.6         | 4.0          | 19.8        | 3.8          | 3.5          | 44.0           | 1.0           | 19.0       |
| MINIMUM              | 3990  | 94             | 56           | 212        | 117       | 4.6          | 0.0          | 5.2         | 1.8          | 1.0          | 42.0           | 0.9           | 17.0       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |              |              |                |               |            |
| 20 XL-605            | 4253  | -              | 61           | 241        | 143       | 7.1          | 0.0          | 22.3        | 3.0          | 1.8          | 39.3           | 0.9           | 17.3       |
| 19 XL-560            | 2916  | -              | 59           | 224        | 130       | 4.0          | 0.0          | 13.1        | 5.0          | 2.0          | 43.0           | 0.8           | 15.0       |
| CHECK MEANS          | 3585  | -              | 59           | 237        | 136       | 5.6          | 0.0          | 17.7        | 4.0          | 1.9          | 41.1           | 0.9           | 16.1       |
| 5% LSD               | 450.2 |                | 1.0          | 10.2       | 8.7       |              |              |             |              |              | 1.7            |               | 1.2        |
| C.V.                 | 7.2   |                | 1.2          | 3.1        | 4.7       |              |              |             |              |              | 2.8            |               | 4.9        |

TABLE: 143-V-84

EVT13      YEAR 1994      BRAZIL      PONTA GROSSA

CO-OPERATOR: ANTONIO CARLOS SERAGE, IAPAP

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>M.C. | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 11 Los Banos(1) 8227 | 5429  | 88             | 82           | 228        | 117       | 21.6         | 16.5         | 13.8        | 44.0           | 3.0          | 37.9         | 1.0           | 23.0       |
| 8 Alajuela (1) 8227  | 5240  | 85             | 83           | 218        | 110       | 20.7         | 22.7         | 12.5        | 43.5           | 2.5          | 22.5         | 1.0           | 23.0       |
| 10 Los Senos 8227    | 5228  | 85             | 81           | 226        | 121       | 25.5         | 19.2         | 19.2        | 43.0           | 2.5          | 26.1         | 1.1           | 22.7       |
| 2 Guarare 8224       | 5211  | 85             | 79           | 219        | 116       | 32.9         | 24.2         | 21.0        | 44.5           | 3.0          | 19.3         | 1.0           | 22.6       |
| 18 Across 7728 RE    | 5206  | 85             | 83           | 218        | 117       | 20.1         | 21.9         | 11.1        | 42.5           | 2.3          | 28.0         | 1.1           | 22.7       |
| 1 Capinopolis 8224   | 5115  | 83             | 31           | 205        | 107       | 28.6         | 18.5         | 17.7        | 42.8           | 3.0          | 19.3         | 1.0           | 22.4       |
| 4 Poza Rica 8224     | 5112  | 83             | 82           | 216        | 111       | 24.0         | 21.9         | 16.5        | 43.8           | 2.8          | 22.7         | 1.0           | 22.0       |
| 9 Jardinopolis 8227  | 5015  | 81             | 80           | 217        | 113       | 25.4         | 17.5         | 9.4         | 44.3           | 2.5          | 28.5         | 1.0           | 22.5       |
| 12 Pichilingue 8227  | 4965  | 81             | 82           | 218        | 108       | 36.4         | 25.9         | 14.0        | 42.8           | 2.8          | 24.5         | 1.1           | 22.5       |
| 16 Across 8136       | 4950  | 80             | 78           | 208        | 103       | 34.5         | 10.5         | 18.6        | 44.8           | 3.8          | 28.4         | 1.0           | 21.8       |
| 17 Across 7627 RE    | 4937  | 80             | 81           | 217        | 105       | 21.0         | 17.5         | 19.5        | 44.3           | 2.8          | 37.7         | 1.0           | 22.1       |
| 3 Pichilingue 8224   | 4924  | 80             | 83           | 219        | 119       | 15.8         | 27.2         | 22.7        | 44.0           | 3.0          | 22.3         | 1.0           | 23.0       |
| 13 Poza Rica 8227    | 4921  | 80             | 80           | 215        | 102       | 22.5         | 27.5         | 11.2        | 43.5           | 2.3          | 26.2         | 1.0           | 22.0       |
| 15 Piura 8136        | 4834  | 78             | 80           | 203        | 100       | 31.2         | 22.4         | 17.7        | 42.3           | 2.8          | 30.1         | 1.0           | 22.0       |
| 7 Across 8224        | 4828  | 79             | 83           | 228        | 119       | 29.3         | 13.2         | 16.2        | 43.3           | 2.8          | 30.6         | 1.0           | 22.5       |
| 14 Across 8227       | 4687  | 76             | 81           | 199        | 98        | 14.4         | 13.4         | 14.1        | 43.0           | 2.3          | 19.3         | 1.0           | 22.2       |
| 6 Suwan 8224         | 4443  | 72             | 84           | 205        | 104       | 25.4         | 12.0         | 22.4        | 43.5           | 3.3          | 36.3         | 1.0           | 22.9       |
| 5 Piura 8224         | 4271  | 69             | 84           | 205        | 107       | 24.5         | 22.1         | 20.6        | 43.0           | 3.3          | 34.3         | 1.0           | 22.7       |
| MEANS                | 4962  | 81             | 81           | 215        | 110       | 25.2         | 19.7         | 16.6        | 43.5           | 2.8          | 27.4         | 1.0           | 22.5       |
| MAXIMUM              | 5429  | 88             | 84           | 228        | 121       | 36.4         | 27.5         | 22.7        | 44.8           | 3.8          | 37.9         | 1.1           | 23.0       |
| MINIMUM              | 4271  | 69             | 73           | 199        | 98        | 14.4         | 10.5         | 9.4         | 42.3           | 2.3          | 19.3         | 1.0           | 21.8       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 19 P-6975            | 6159  | -              | 75           | 227        | 112       | 40.0         | 20.1         | 27.9        | 45.0           | 3.3          | 34.1         | 0.9           | 20.9       |
| 20 AG-301            | 5533  | -              | 83           | 230        | 136       | 35.0         | 23.6         | 9.4         | 42.0           | 2.0          | 18.3         | 1.1           | 23.6       |
| CHECK MEANS          | 5846  | -              | 78           | 228        | 124       | 37.5         | 21.8         | 18.6        | 43.5           | 2.6          | 26.2         | 1.0           | 22.3       |
| ST LSC               | 633.7 |                | 1.5          | 20.1       | 14.8      |              |              |             | 1.8            |              |              |               | 0.9        |
| C.V.                 | 8.9   |                | 1.3          | 6.6        | 9.4       |              |              |             | 2.9            |              |              |               | 2.9        |

TABLE: 144-V-84

EVT13      YEAR 1984      BRAZIL      PASSO FUNDO  
 CO-OPERATOR: GILBERTO POZAR, SEMENTES SELECCIONADAS AD

| ENTRY NO./PEDIGREE   | KG/HA | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|---------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|---------------|------------|
| 8 Alajuela (1) 8227  | 5950  | 87            | 82           | 234        | 131       | 19.7         | 11.4         | 5.6         | 43.3           | 1.0           | 1.1           | 26.0       |
| 14 Across 8227       | 6577  | 80            | 79           | 215        | 114       | 14.2         | 11.9         | 11.7        | 44.3           | 1.0           | 1.0           | 25.0       |
| 18 Across 7728 RE    | 5482  | 77            | 79           | 226        | 126       | 26.4         | 22.0         | 9.2         | 43.5           | 1.0           | 1.0           | 24.5       |
| 11 Los Banos(1) 8227 | 6349  | 76            | 80           | 229        | 125       | 17.6         | 15.1         | 11.3        | 43.0           | 1.0           | 1.0           | 25.5       |
| 12 Pichilingue 8227  | 6247  | 75            | 80           | 214        | 115       | 16.5         | 15.5         | 8.0         | 44.0           | 2.0           | 1.1           | 23.0       |
| 2 Guarare 8224       | 6160  | 74            | 79           | 229        | 125       | 18.8         | 22.1         | 12.3        | 45.8           | 3.0           | 0.9           | 24.0       |
| 9 Jardinopolis 8227  | 6057  | 72            | 80           | 219        | 118       | 13.1         | 15.9         | 10.9        | 44.0           | 2.0           | 1.0           | 24.8       |
| 4 Poza Rica 8224     | 6050  | 72            | 79           | 222        | 124       | 20.4         | 25.7         | 11.1        | 43.0           | 2.0           | 1.0           | 25.0       |
| 10 Los Banos 8227    | 5933  | 71            | 80           | 221        | 120       | 21.6         | 16.1         | 11.5        | 42.5           | 2.0           | 1.0           | 26.5       |
| 13 Poza Rica 8227    | 5947  | 70            | 77           | 196        | 110       | 23.6         | 14.6         | 9.7         | 44.8           | 2.0           | 1.0           | 23.8       |
| 15 Piura 8136        | 5794  | 69            | 76           | 202        | 113       | 26.8         | 25.2         | 12.9        | 43.8           | 2.0           | 1.0           | 23.0       |
| 17 Across 7627 RE    | 5749  | 69            | 77           | 212        | 115       | 26.4         | 13.1         | 8.2         | 44.3           | 1.0           | 1.0           | 24.5       |
| 1 Capinopolis 8224   | 5657  | 69            | 80           | 196        | 125       | 10.7         | 39.2         | 17.7        | 45.5           | 3.0           | 0.9           | 24.0       |
| 16 Across 8136       | 5638  | 67            | 77           | 211        | 117       | 17.8         | 32.4         | 11.2        | 42.8           | 2.0           | 1.1           | 24.5       |
| 5 Piura 8224         | 5516  | 66            | 81           | 228        | 131       | 22.4         | 32.7         | 19.1        | 42.8           | 2.0           | 1.0           | 27.0       |
| 7 Across 8224        | 5509  | 66            | 81           | 227        | 133       | 23.9         | 31.4         | 13.2        | 43.5           | 3.0           | 1.0           | 26.0       |
| 3 Pichilingue 8224   | 5477  | 65            | 82           | 235        | 143       | 28.7         | 31.2         | 12.0        | 42.8           | 3.0           | 1.0           | 27.0       |
| 6 Suwan 8224         | 5151  | 62            | 80           | 222        | 129       | 27.0         | 44.9         | 22.4        | 41.5           | 2.0           | 1.1           | 27.0       |
| MEANS                | 5958  | 71            | 80           | 219        | 123       | 20.9         | 23.4         | 12.1        | 43.6           | 1.9           | 1.0           | 25.1       |
| MAXIMUM              | 6950  | 87            | 82           | 235        | 143       | 28.7         | 44.9         | 22.4        | 45.8           | 3.0           | 1.1           | 27.0       |
| MINIMUM              | 5161  | 62            | 76           | 196        | 110       | 10.7         | 11.4         | 5.6         | 41.5           | 1.0           | 0.9           | 23.0       |
| CHECKS (TESTIGOS):   |       |               |              |            |           |              |              |             |                |               |               |            |
| 20 LOCAL CHECK 2     | 9377  | -             | 82           | 254        | 152       | 30.2         | 17.2         | 7.2         | 44.0           | 1.0           | 1.1           | 27.8       |
| 19 LOCAL CHECK 1     | 5195  | -             | 75           | 224        | 128       | 24.1         | 19.4         | 15.2        | 41.0           | 2.0           | 1.0           | 23.0       |
| CHECK MEANS          | 7236  | -             | 79           | 235        | 140       | 27.2         | 17.8         | 11.2        | 42.5           | 1.5           | 1.1           | 25.4       |
| 5% LSD               | 653.5 |               | 1.2          | 19.0       | 11.7      |              |              |             | 3.6            |               |               | 2.5        |
| C.V.                 | 9.0   |               | 1.1          | 6.1        | 6.7       |              |              |             | 5.9            |               |               | 7.1        |



TABLE: 145-V-84

EVT13      YEAR 1984      COLOMBIA      TURIPANA  
 CO-OPERATOR: HENRY VANEGAS, I.C.A.

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | BCRER<br>% | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|---------------|--------------|-----------------|------------|------------|
| 18 Across 7728 RE    | 4241   | 128            | 55           | 236        | 130       | 23.5         | 83.3         | 40.1        | 3.3          | 37.3           | 2.5           | 11.4         | 3.8             | 8.2        | 27.1       |
| 1 Capinopolis 8224   | 3876   | 117            | 54           | 209        | 112       | 11.9         | 62.8         | 43.0        | 2.5          | 38.0           | 3.0           | 8.5          | 2.8             | 3.9        | 26.3       |
| 14 Across 8227       | 3776   | 114            | 54           | 236        | 130       | 11.1         | 85.2         | 41.3        | 2.8          | 38.5           | 2.3           | 5.6          | 3.5             | 12.5       | 25.8       |
| 6 Suwan 8224         | 3755   | 114            | 80           | 212        | 115       | 24.7         | 66.8         | 36.9        | 2.5          | 38.0           | 2.8           | 5.6          | 3.3             | 3.3        | 27.5       |
| 2 Guarare 8224       | 3695   | 112            | 54           | 229        | 129       | 20.7         | 73.8         | 46.4        | 3.5          | 39.0           | 3.3           | 8.9          | 3.0             | 5.2        | 27.3       |
| 7 Across 8224        | 3454   | 104            | 55           | 225        | 124       | 19.6         | 93.8         | 49.5        | 2.8          | 38.8           | 3.0           | 8.2          | 3.8             | 4.5        | 26.8       |
| 11 Los Banos(1) 8227 | 3424   | 104            | 54           | 235        | 131       | 16.0         | 75.3         | 37.5        | 3.0          | 38.3           | 2.5           | 6.9          | 2.5             | 4.5        | 27.7       |
| 3 Pichilingue 8224   | 3415   | 103            | 54           | 208        | 115       | 17.6         | 40.6         | 53.3        | 3.0          | 37.8           | 3.3           | 9.1          | 2.5             | 2.6        | 27.2       |
| 9 Jardinopolis 8227  | 3402   | 103            | 55           | 225        | 118       | 20.2         | 69.6         | 41.1        | 2.8          | 38.0           | 2.3           | 8.1          | 3.3             | 2.5        | 25.6       |
| 4 Poza Rica 8224     | 3326   | 101            | 54           | 210        | 113       | 11.7         | 78.8         | 47.1        | 3.0          | 38.5           | 3.0           | 8.6          | 3.0             | 4.6        | 26.2       |
| 5 Piura 8224         | 3251   | 98             | 55           | 247        | 138       | 19.6         | 69.4         | 48.5        | 3.5          | 36.0           | 3.0           | 7.9          | 3.8             | 6.0        | 26.2       |
| 15 Piura 8136        | 3119   | 94             | 54           | 227        | 127       | 9.8          | 67.1         | 50.0        | 3.0          | 37.3           | 3.5           | 17.8         | 3.3             | 4.8        | 26.2       |
| 13 Poza Rica 8227    | 3035   | 92             | 54           | 213        | 114       | 20.0         | 66.6         | 41.9        | 3.5          | 37.8           | 3.0           | 12.7         | 3.0             | 10.0       | 25.7       |
| 8 Alajuela (1) 8227  | 3028   | 92             | 54           | 234        | 129       | 16.9         | 86.3         | 46.1        | 3.0          | 37.5           | 3.3           | 4.6          | 4.0             | 2.6        | 28.2       |
| 12 Pichilingue 8227  | 3017   | 91             | 54           | 222        | 121       | 18.1         | 68.4         | 49.4        | 2.8          | 35.8           | 3.3           | 9.2          | 3.0             | 4.2        | 25.3       |
| 17 Across 7627 RE    | 2904   | 88             | 54           | 215        | 113       | 25.3         | 96.9         | 51.3        | 3.0          | 37.3           | 3.5           | 12.9         | 3.5             | 9.3        | 26.7       |
| 10 Los Banos 8227    | 2874   | 87             | 54           | 235        | 130       | 9.6          | 66.7         | 36.1        | 2.5          | 39.0           | 2.8           | 12.4         | 2.8             | 2.6        | 28.2       |
| 16 Across 8136       | 2423   | 73             | 54           | 206        | 115       | 16.1         | 69.3         | 48.1        | 3.5          | 38.8           | 3.8           | 10.8         | 3.0             | 5.8        | 27.2       |
| MEANS                | 3334   | 101            | 56           | 224        | 122       | 17.3         | 73.4         | 44.9        | 3.0          | 37.8           | 3.0           | 9.4          | 3.2             | 5.4        | 26.7       |
| MAXIMUM              | 4241   | 128            | 80           | 247        | 138       | 25.3         | 96.9         | 53.3        | 3.5          | 39.0           | 3.8           | 17.8         | 4.0             | 12.5       | 28.2       |
| MINIMUM              | 2423   | 73             | 54           | 206        | 112       | 9.6          | 40.6         | 36.1        | 2.5          | 35.8           | 2.3           | 4.6          | 2.5             | 2.5        | 25.3       |
| CHECKS (TESTIGOS):   |        |                |              |            |           |              |              |             |              |                |               |              |                 |            |            |
| 20 ICA V.156         | 3307   | -              | 55           | 229        | 125       | 10.1         | 60.1         | 49.8        | 2.0          | 37.3           | 2.3           | 18.3         | 2.8             | 4.1        | 28.1       |
| 19 ICA V.109         | 2461   | -              | 55           | 235        | 131       | 20.2         | 93.9         | 37.0        | 2.8          | 36.8           | 2.8           | 10.8         | 3.0             | 6.0        | 27.3       |
| CHECK MEANS          | 2884   | -              | 54           | 231        | 128       | 15.2         | 77.0         | 43.4        | 2.4          | 37.0           | 2.5           | 14.6         | 2.9             | 5.0        | 27.7       |
| SE LSC               | 1195.2 |                | 15.9         | 24.1       | 14.0      |              |              |             |              | 3.5            |               |              |                 |            |            |
| C.V.                 | 25.7   |                | 20.3         | 7.6        | 8.1       |              |              |             |              | 6.5            |               |              |                 |            |            |

TABLE: 146-V-84

EVT13      YEAR 1984      PARAGUAY      CAACUPE  
 CO-OPERATOR: MARIC ESTIGARRIZIA, INS. AGRONÓMICO NACIONAL

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLANT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %SAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|----------------|--------------|-------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 18 Across 7723 RE    | 4619   | 145            | 82           | 143         | 73        | 8.9          | 1.2          | 7.7         | 42.5           | 3.3          | 13.0         | 3.3             | 1.0           | 16.7       |
| 11 Los Banos(1) 8227 | 4537   | 144            | 82           | 152         | 73        | 5.6          | 0.7          | 8.4         | 39.5           | 2.8          | 16.0         | 3.3             | 1.1           | 17.7       |
| 5 Piura 8224         | 4503   | 140            | 83           | 146         | 79        | 7.8          | 0.7          | 6.1         | 38.5           | 3.3          | 14.2         | 2.8             | 1.0           | 18.4       |
| 17 Across 7627 RE    | 4477   | 141            | 82           | 155         | 83        | 5.9          | 0.0          | 13.1        | 39.3           | 3.8          | 20.9         | 3.3             | 1.0           | 16.7       |
| 2 Guarare 8224       | 4291   | 135            | 81           | 144         | 72        | 16.2         | 3.0          | 9.4         | 41.6           | 3.0          | 8.7          | 2.8             | 1.0           | 17.0       |
| 12 Pichilingue 8227  | 4278   | 125            | 82           | 155         | 83        | 2.4          | 0.6          | 12.2        | 40.5           | 3.5          | 18.7         | 3.3             | 1.0           | 17.5       |
| 9 Jardinopolis 8227  | 4173   | 131            | 80           | 158         | 75        | 3.5          | 1.8          | 9.3         | 42.0           | 3.0          | 15.5         | 3.0             | 1.0           | 16.2       |
| 16 Across 8136       | 4009   | 126            | 82           | 135         | 73        | 14.0         | 1.9          | 11.3        | 42.5           | 3.5          | 7.7          | 3.0             | 1.0           | 17.5       |
| 15 Piura 8136        | 4006   | 126            | 82           | 138         | 72        | 4.2          | 1.9          | 6.7         | 40.8           | 3.8          | 14.1         | 3.0             | 0.9           | 15.9       |
| 6 Suwan 8224         | 3972   | 125            | 82           | 135         | 70        | 10.2         | 1.9          | 3.7         | 41.8           | 3.0          | 9.3          | 3.0             | 0.9           | 18.2       |
| 1 Capinopolis 8224   | 3932   | 124            | 82           | 145         | 74        | 17.9         | 2.4          | 3.4         | 40.5           | 3.3          | 8.9          | 3.0             | 1.0           | 17.0       |
| 13 Poza Rica 8227    | 3817   | 120            | 82           | 129         | 66        | 2.6          | 0.0          | 15.3        | 39.3           | 3.8          | 10.0         | 3.0             | 0.9           | 15.7       |
| 3 Pichilingue 8224   | 3804   | 120            | 81           | 142         | 74        | 4.3          | 4.4          | 10.4        | 39.0           | 3.8          | 10.4         | 3.3             | 1.0           | 17.7       |
| 8 Alajuela (1) 8227  | 3770   | 119            | 82           | 162         | 73        | 4.9          | 0.0          | 11.5        | 41.8           | 3.8          | 9.6          | 2.8             | 0.9           | 18.9       |
| 4 Poza Rica 3224     | 3751   | 119            | 82           | 141         | 73        | 10.1         | 0.6          | 6.8         | 42.3           | 3.3          | 13.9         | 3.0             | 0.9           | 17.1       |
| 10 Los Banos 8227    | 3692   | 116            | 82           | 158         | 85        | 5.6          | 0.0          | 15.0        | 40.5           | 4.0          | 23.7         | 3.3             | 1.0           | 16.7       |
| 7 Across 8224        | 3501   | 110            | 82           | 144         | 81        | 4.0          | 5.2          | 11.5        | 39.8           | 4.0          | 17.6         | 3.5             | 0.9           | 17.0       |
| 14 Across 8227       | 3449   | 105            | 82           | 143         | 71        | 3.7          | 0.6          | 12.9        | 40.3           | 3.5          | 13.6         | 3.3             | 0.9           | 17.0       |
| MEANS                | 4035   | 127            | 82           | 146         | 76        | 7.1          | 1.5          | 9.7         | 40.7           | 3.4          | 13.6         | 3.1             | 1.0           | 17.1       |
| MAXIMUM              | 4619   | 145            | 83           | 163         | 85        | 16.2         | 5.2          | 15.3        | 42.5           | 4.0          | 23.7         | 3.5             | 1.1           | 18.9       |
| MINIMUM              | 3449   | 105            | 80           | 129         | 66        | 2.4          | 0.0          | 3.4         | 38.5           | 2.8          | 7.7          | 2.8             | 0.9           | 15.7       |
| CHECKS (TESTIGDS):   |        |                |              |             |           |              |              |             |                |              |              |                 |               |            |
| 20 GERMINAL P-491    | 3179   | -              | 85           | 180         | 94        | 5.2          | 2.0          | 13.3        | 24.0           | 4.0          | 13.0         | 4.0             | 1.1           | 18.0       |
| 19 GUARANI V-311     | 3115   | -              | 82           | 209         | 131       | 20.3         | 3.2          | 9.3         | 37.0           | 4.0          | 1.9          | 3.5             | 1.0           | 19.1       |
| CHECK MEANS          | 3147   | -              | 88           | 194         | 112       | 12.8         | 2.6          | 11.3        | 30.5           | 4.0          | 7.5          | 3.8             | 1.1           | 18.6       |
| 5% LSD               | 1073.7 |                | 2.4          | 15.5        | 15.2      |              |              |             | 3.8            |              |              |                 |               | 2.6        |
| C.V.                 | 19.2   |                | 2.1          | 7.3         | 11.7      |              |              |             | 6.7            |              |              |                 |               | 10.5       |

TABLE: 147-V-84

EVT13      YEAR 1984      PARAGUAY      CAPITAN MIRANDA

CO-OPERATOR: VERONICA MACHADO, C.R.I.A.

| ENTRY NO./PEDIGREE | KG/HA   | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RET | PUCG<br>SORG | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |      |
|--------------------|---------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|--------------|-----------------|------------|------|
| 18 Across          | 7725 RE | 7487           | 127          | 35         | 195       | 103          | 4.1          | 1.1         | 2.8          | 2.0          | 1.8            | 42.8          | 3.0          | 14.9            | 2.5        | 16.0 |
| 15 Piura           | 8135    | 7169           | 122          | 64         | 193       | 99           | 9.2          | 2.3         | 0.6          | 2.3          | 1.5            | 43.8          | 3.3          | 13.8            | 2.8        | 15.9 |
| 2 Guarare          | 8224    | 7146           | 121          | 95         | 194       | 94           | 11.7         | 0.0         | 1.7          | 2.0          | 2.3            | 43.0          | 2.8          | 10.2            | 3.0        | 15.9 |
| 6 Suwan            | 8224    | 7138           | 121          | 98         | 184       | 90           | 3.4          | 3.4         | 2.3          | 2.5          | 1.3            | 43.8          | 3.8          | 9.5             | 2.8        | 17.3 |
| 16 Across          | 8136    | 7059           | 120          | 54         | 181       | 89           | 12.1         | 0.6         | 1.2          | 3.0          | 1.8            | 43.0          | 2.8          | 14.8            | 3.0        | 15.7 |
| 4 Poza Rica        | 8224    | 6358           | 116          | 55         | 189       | 91           | 8.5          | 2.3         | 1.2          | 2.3          | 1.8            | 43.8          | 2.8          | 8.5             | 3.0        | 16.5 |
| 7 Across           | 8224    | 6843           | 116          | 37         | 190       | 93           | 11.0         | 2.9         | 2.3          | 3.3          | 2.3            | 43.0          | 2.8          | 11.6            | 2.8        | 16.6 |
| 11 Los Banos(1)    | 8227    | 6538           | 116          | 37         | 191       | 99           | 5.1          | 5.2         | 1.2          | 2.5          | 1.8            | 43.8          | 3.0          | 12.0            | 2.8        | 16.9 |
| 5 Piura            | 8224    | 6809           | 116          | 87         | 199       | 101          | 17.4         | 2.3         | 1.7          | 2.5          | 2.3            | 42.5          | 3.5          | 12.2            | 2.5        | 16.0 |
| 17 Across          | 7627 RE | 6787           | 115          | 84         | 198       | 101          | 6.9          | 1.1         | 3.3          | 2.5          | 1.5            | 43.5          | 3.5          | 14.3            | 3.3        | 16.2 |
| 1 Capinopolis      | 8224    | 6710           | 114          | 37         | 185       | 91           | 12.9         | 1.1         | 1.2          | 2.3          | 1.5            | 43.0          | 3.3          | 12.1            | 2.5        | 16.7 |
| 14 Across          | 8227    | 6617           | 112          | 36         | 193       | 96           | 2.9          | 1.2         | 2.3          | 2.0          | 1.5            | 43.5          | 3.5          | 12.4            | 2.3        | 15.1 |
| 8 Alajuela (1)     | 8227    | 6515           | 112          | 88         | 194       | 96           | 5.2          | 2.3         | 1.7          | 2.0          | 2.3            | 43.3          | 3.3          | 13.8            | 3.0        | 16.6 |
| 10 Los Banos       | 8227    | 6539           | 111          | 35         | 185       | 93           | 4.1          | 0.0         | 3.0          | 2.3          | 2.0            | 42.8          | 3.3          | 12.9            | 2.8        | 16.7 |
| 12 Pichilingue     | 8227    | 6467           | 110          | 97         | 190       | 99           | 6.2          | 3.6         | 2.8          | 2.8          | 1.5            | 44.3          | 3.3          | 7.5             | 2.5        | 16.3 |
| 9 Jardinopolis     | 8227    | 6465           | 110          | 96         | 185       | 88           | 3.4          | 2.3         | 2.8          | 2.0          | 1.0            | 44.0          | 3.3          | 11.9            | 2.8        | 16.2 |
| 13 Poza Rica       | 8227    | 6225           | 105          | 87         | 183       | 88           | 3.4          | 0.0         | 1.8          | 2.0          | 2.0            | 44.0          | 3.0          | 8.2             | 2.8        | 16.2 |
| 3 Pichilingue      | 8224    | 6164           | 105          | 88         | 195       | 99           | 14.5         | 2.9         | 1.8          | 2.0          | 2.8            | 43.3          | 3.5          | 14.4            | 2.8        | 16.6 |
| MEANS              | 6774    | 115            | 96           | 189        | 94        | 7.9          | 1.9          | 2.0         | 2.3          | 1.8          | 43.4           | 3.2           | 11.9         | 2.7             | 16.3       |      |
| MAXIMUM            | 7487    | 127            | 95           | 199        | 103       | 17.4         | 5.2          | 3.3         | 3.3          | 2.8          | 44.3           | 3.8           | 14.9         | 3.3             | 17.3       |      |
| MINIMUM            | 6164    | 105            | 84           | 181        | 88        | 2.9          | 0.0          | 0.6         | 2.0          | 1.0          | 42.5           | 2.8           | 7.5          | 2.3             | 15.7       |      |
| CHECKS (TESTIGCS): |         |                |              |            |           |              |              |             |              |              |                |               |              |                 |            |      |
| 19 GUARANI V-311   | 5991    | -              | 99           | 244        | 155       | 18.2         | 5.3          | 2.5         | 2.3          | 2.0          | 37.0           | 3.5           | 7.9          | 4.3             | 17.3       |      |
| 20 GERMINAL P-491  | 5530    | -              | 90           | 219        | 116       | 1.9          | 0.9          | 1.6         | 2.8          | 1.8          | 27.5           | 3.5           | 13.8         | 3.0             | 16.7       |      |
| CHECK MEANS        | 5711    | -              | 94           | 231        | 135       | 10.0         | 3.1          | 2.0         | 2.5          | 1.9          | 32.3           | 3.5           | 10.8         | 3.6             | 17.0       |      |
| 5% LSD             | 550.1   |                | 2.0          | 15.3       | 11.7      |              |              |             |              |              | 2.0            |               |              |                 |            |      |
| C.V.               | 9.0     |                | 1.6          | 5.6        | 8.4       |              |              |             |              |              | 3.4            |               |              |                 |            |      |

TABLE: 148-V-84

EVT13 YEAR 1984 PERU PIURA

CO-OPERATOR:M. NEVADE, PCIM-UNA

| ENTRY NO./PEDIGREE   | KG/HA  | YBEST<br>CHECK | FEAR<br>ROT | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLANT | MOIST<br>% |
|----------------------|--------|----------------|-------------|---------------|----------------|---------------|-----------------|----------------|------------|
| 7 Across 8224        | 9119   | 114            | 10.1        | 3.8           | 53.5           | 3.3           | 2.5             | 1.0            | 16.5       |
| 2 Guarare 8224       | 9504   | 106            | 5.7         | 3.8           | 46.8           | 2.8           | 2.5             | 1.0            | 15.5       |
| 4 Poza Rica 8224     | 8271   | 103            | 9.5         | 4.0           | 51.3           | 2.3           | 3.3             | 1.0            | 16.6       |
| 17 Across 7627 E     | 8243   | 103            | 3.9         | 3.5           | 52.3           | 2.8           | 3.0             | 1.1            | 15.7       |
| 1 Capinopolis 8224   | 8160   | 102            | 2.5         | 3.8           | 44.8           | 2.5           | 3.3             | 1.0            | 16.3       |
| 3 Pichilingue 8224   | 8018   | 100            | 6.5         | 4.0           | 49.8           | 2.8           | 3.0             | 0.9            | 16.1       |
| 5 Piura 8224         | 8006   | 100            | 7.3         | 4.0           | 52.0           | 3.0           | 3.0             | 1.0            | 17.4       |
| 18 Across 7728 RE    | 7984   | 99             | 5.5         | 3.8           | 50.5           | 2.5           | 2.8             | 1.0            | 16.5       |
| 9 Jardinopolis 8227  | 7811   | 97             | 3.8         | 4.0           | 51.3           | 3.2           | 3.3             | 1.0            | 15.7       |
| 6 Suwan 8224         | 7810   | 97             | 4.6         | 3.8           | 46.3           | 2.8           | 3.0             | 1.0            | 17.0       |
| 8 Alajuela (1) 8227  | 7744   | 96             | 9.8         | 4.0           | 52.8           | 3.9           | 3.3             | 0.9            | 16.5       |
| 12 Pichilingue 8227  | 7612   | 95             | 9.1         | 3.8           | 48.3           | 3.8           | 3.3             | 1.0            | 16.8       |
| 11 Los Banos(1) 8227 | 7516   | 94             | 6.1         | 4.0           | 54.8           | 3.5           | 3.5             | 0.9            | 17.1       |
| 15 Piura 8136        | 7515   | 94             | 6.6         | 3.8           | 49.5           | 2.0           | 3.3             | 1.0            | 15.0       |
| 16 Across 8136       | 7393   | 92             | 10.8        | 3.9           | 51.3           | 2.3           | 3.5             | 0.9            | 16.2       |
| 13 Poza Rica 8227    | 7136   | 90             | 4.0         | 4.0           | 53.8           | 2.8           | 3.3             | 0.8            | 15.9       |
| 10 Los Banos 8227    | 6959   | 87             | 5.1         | 4.0           | 51.8           | 3.5           | 3.3             | 1.0            | 15.3       |
| 14 Across 8227       | 6460   | 81             | 12.1        | 4.0           | 49.9           | 3.8           | 3.5             | 0.9            | 16.2       |
| MEANS                | 7797   | 97             | 6.8         | 3.9           | 50.6           | 2.9           | 3.1             | 1.0            | 16.2       |
| MAXIMUM              | 9119   | 114            | 12.1        | 4.0           | 54.8           | 3.8           | 3.5             | 1.1            | 17.4       |
| MINIMUM              | 6460   | 81             | 2.5         | 3.5           | 44.8           | 2.0           | 2.5             | 0.8            | 15.0       |
| CHECKS (TESTIGOS):   |        |                |             |               |                |               |                 |                |            |
| 20 PM-102            | 8029   | -              | 7.0         | 3.5           | 47.3           | 2.8           | 2.8             | 1.0            | 16.2       |
| 19 PM-701            | 5834   | -              | 20.9        | 3.5           | 43.0           | 3.0           | 2.5             | 0.9            | 16.3       |
| CHECK MEANS          | 6931   | -              | 13.9        | 3.5           | 45.1           | 2.9           | 2.6             | 0.9            | 16.2       |
| 5% LSD               | 1425.4 |                |             |               | 7.7            |               |                 | 0.2            | 1.0        |
| C.V.                 | 13.1   |                |             |               | 10.8           |               |                 | 12.2           | 4.4        |

TABLE: 149-V-84

EVTIS      YEAR 1984      PERU      TARAPOTO  
 CO-OPERATOR: F. SCHEUCH, INIPA

| ENTRY NO./PEDIGREE    | KG/HA | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|-------|---------------|--------------|------------|-----------|----------------|---------------|------------|
| 13 Poza Rica 8227     | 2739  | 106           | 57           | 132        | 88        | 32.8           | 1.2           | 31.4       |
| 15 Piura 8135         | 2454  | 141           | 51           | 150        | 87        | 33.5           | 1.0           | 25.1       |
| 14 Across 8227        | 2425  | 147           | 55           | 145        | 88        | 35.5           | 1.1           | 27.5       |
| 13 Across 7725 S      | 2400  | 144           | 55           | 134        | 97        | 28.0           | 1.2           | 29.7       |
| 11 Los Banos (1) 8227 | 2272  | 135           | 59           | 148        | 96        | 27.5           | 1.1           | 26.3       |
| 7 Across 8224         | 2259  | 138           | 59           | 200        | 101       | 29.5           | 1.0           | 26.6       |
| 10 Los Banos 8227     | 2232  | 135           | 59           | 199        | 98        | 33.0           | 0.9           | 30.3       |
| 4 Poza Rica 8224      | 2210  | 134           | 54           | 140        | 87        | 27.5           | 1.1           | 25.5       |
| 6 Suwan 8224          | 2165  | 131           | 59           | 185        | 91        | 26.0           | 1.1           | 30.9       |
| 16 Across 8136        | 2107  | 130           | 55           | 131        | 65        | 23.3           | 1.0           | 26.7       |
| 1 Capinopolis 8224    | 2049  | 124           | 56           | 153        | 87        | 35.5           | 0.9           | 26.0       |
| 2 Guarare 8224        | 1954  | 119           | 50           | 176        | 84        | 28.5           | 1.0           | 28.9       |
| 5 Piura 8224          | 1910  | 116           | 55           | 172        | 92        | 23.8           | 1.1           | 24.4       |
| 17 Across 7627 P      | 1897  | 115           | 60           | 192        | 90        | 28.0           | 0.9           | 26.9       |
| 9 Jardinopolis 8227   | 1874  | 114           | 54           | 184        | 83        | 27.0           | 1.0           | 26.7       |
| 12 Pichilingue 8227   | 1852  | 101           | 50           | 183        | 95        | 27.5           | 0.9           | 28.0       |
| 8 Alajucla (1) 8227   | 1629  | 99            | 65           | 190        | 89        | 25.5           | 1.0           | 30.1       |
| 3 Pichilingue 8224    | 1426  | 87            | 51           | 178        | 87        | 25.5           | 0.9           | 28.3       |
| MEANS                 | 2106  | 128           | 55           | 155        | 90        | 29.1           | 1.0           | 27.7       |
| MAXIMUM               | 2739  | 146           | 63           | 200        | 101       | 35.5           | 1.2           | 31.6       |
| MINIMUM               | 1426  | 87            | 50           | 172        | 63        | 23.8           | 0.9           | 24.4       |
| CHECKS (TESTIGOS):    |       |               |              |            |           |                |               |            |
| 20 PMC-747            | 1548  | -             | 60           | 204        | 104       | 20.0           | 1.0           | 23.6       |
| 19 MARGINAL 28T       | 1197  | -             | 60           | 199        | 99        | 15.8           | 1.1           | 29.9       |
| CHECK MEANS           | 1422  | -             | 59           | 201        | 100       | 17.9           | 1.0           | 26.7       |
| 5% LSC                | 718.4 |               | 2.1          | 21.5       | 16.1      | 10.4           |               | 3.0        |
| C.V.                  | 24.9  |               | 2.6          | 9.1        | 12.5      | 26.3           |               | 7.7        |

TABLE: 150-V-84

EVT13 YEAR 1984 PERU TARAPOTO (2)

CO-OPERATOR:T. SCHEUCA, INIPA-CIPA

| ENTRY NO./PEDIGREE   | KG/HA  | 8BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | PLANTS<br>HARV | EAR<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|----------------|---------------|---------------|------------|
| 2 Guarare 8224       | 5658   | 141            | 56           | 219        | 110       | 21.3         | 6.1          | 38.8           | 2.3           | 1.0           | 22.7       |
| 11 Los Banos(1) 8227 | 5189   | 130            | 59           | 211        | 94        | 13.1         | 6.9          | 31.3           | 2.8           | 1.1           | 22.2       |
| 5 Piura 8224         | 5174   | 129            | 60           | 196        | 89        | 27.7         | 13.5         | 34.0           | 3.0           | 1.0           | 23.4       |
| 15 Piura 8136        | 5049   | 126            | 56           | 195        | 89        | 15.3         | 3.7          | 37.5           | 3.3           | 0.9           | 23.6       |
| 7 Across 8224        | 4952   | 124            | 61           | 203        | 94        | 12.4         | 9.0          | 32.0           | 3.0           | 1.0           | 23.0       |
| 10 Los Banos 8227    | 4925   | 123            | 58           | 197        | 91        | 6.7          | 3.9          | 33.0           | 3.0           | 1.0           | 21.9       |
| 3 Pichilingue 8224   | 4892   | 122            | 59           | 195        | 91        | 21.7         | 7.8          | 30.3           | 2.8           | 1.0           | 24.2       |
| 8 Alajuela (1) 8227  | 4841   | 121            | 60           | 209        | 98        | 8.9          | 10.1         | 28.5           | 2.5           | 1.1           | 22.5       |
| 18 Across 7728 RE    | 4713   | 118            | 61           | 201        | 91        | 17.8         | 16.7         | 33.0           | 2.8           | 1.0           | 21.8       |
| 1 Capinopolis 8224   | 4635   | 116            | 57           | 216        | 109       | 24.4         | 7.5          | 32.3           | 2.8           | 0.9           | 21.4       |
| 4 Poza Rica 8224     | 4355   | 109            | 58           | 205        | 98        | 12.4         | 4.1          | 31.3           | 2.8           | 1.0           | 21.0       |
| 9 Jardinopolis 8227  | 4327   | 108            | 57           | 204        | 107       | 17.9         | 5.2          | 30.8           | 2.8           | 1.0           | 21.3       |
| 13 Poza Rica 8227    | 4299   | 107            | 59           | 197        | 95        | 14.4         | 13.4         | 28.8           | 3.5           | 1.0           | 22.3       |
| 6 Suwan 8224         | 4277   | 107            | 60           | 192        | 84        | 20.7         | 21.7         | 31.8           | 2.8           | 0.9           | 23.1       |
| 12 Pichilingue 8227  | 4241   | 106            | 61           | 202        | 93        | 16.6         | 16.9         | 28.0           | 2.8           | 1.1           | 22.4       |
| 17 Across 7627 RE    | 4039   | 101            | 59           | 201        | 94        | 14.6         | 9.5          | 30.0           | 3.0           | 1.1           | 22.1       |
| 16 Across 8136       | 3940   | 99             | 60           | 174        | 85        | 16.7         | 8.3          | 28.0           | 3.5           | 1.0           | 22.8       |
| 14 Across 8227       | 3699   | 92             | 59           | 199        | 91        | 9.2          | 12.7         | 26.5           | 3.3           | 1.0           | 21.7       |
| MEANS                | 4623   | 116            | 59           | 201        | 94        | 16.2         | 9.8          | 31.4           | 2.9           | 1.0           | 22.4       |
| MAXIMUM              | 5658   | 141            | 61           | 219        | 110       | 27.7         | 21.7         | 38.8           | 3.5           | 1.1           | 24.2       |
| MINIMUM              | 3699   | 92             | 56           | 174        | 84        | 6.7          | 3.7          | 26.5           | 2.3           | 0.9           | 21.0       |
| CHECKS (TESTIGDS):   |        |                |              |            |           |              |              |                |               |               |            |
| 19 MARGINAL 28 T     | 3999   | -              | 46           | 204        | 97        | 11.3         | 20.1         | 26.5           | 2.8           | 1.0           | 21.6       |
| 20 PMC-747           | 3380   | -              | 52           | 212        | 104       | 15.1         | 20.8         | 22.0           | 3.3           | 1.0           | 22.5       |
| CHECK MEANS          | 3689   | -              | 54           | 207        | 100       | 13.2         | 20.5         | 24.3           | 3.0           | 1.0           | 22.0       |
| 5% LSD               | 1459.8 |                | 10.2         | 17.4       | 14.3      |              |              | 9.1            |               |               | 2.3        |
| C.V.                 | 22.8   |                | 12.4         | 6.1        | 10.7      |              |              | 20.9           |               |               | 7.3        |

TABLE: 151-V-84

EVT13      YEAR 1984      PERU      YURIMAGUAS

CO-OPERATOR: INIPA CIPA XVI, ING. JONATHAN LOPEZ P.

| ENTRY NO./PEDIGREE                    | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|---------------------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 13 Poza Rica 8227                     | 5827  | 147            | 51           | 229        | 120       | 4.7          | 3.6          | 20.4        | 42.0           | 2.3          | 3.8          | 2.3             | 1.0           | 17.6       |
| 10 Los Banos 8227                     | 5776  | 145            | 51           | 248        | 137       | 6.6          | 5.4          | 28.3        | 41.3           | 2.8          | 11.8         | 2.0             | 1.0           | 19.2       |
| 8 Alsajuela (1) 8227                  | 5756  | 145            | 52           | 251        | 132       | 8.5          | 8.9          | 18.3        | 39.8           | 2.0          | 3.1          | 2.0             | 1.0           | 20.0       |
| 7 Across 8224                         | 5697  | 143            | 52           | 251        | 131       | 21.3         | 19.2         | 27.3        | 41.0           | 2.3          | 8.7          | 2.5             | 0.9           | 19.6       |
| 6 Suwan 8224                          | 5631  | 142            | 53           | 232        | 125       | 19.4         | 7.1          | 21.9        | 40.0           | 2.0          | 13.0         | 2.3             | 0.9           | 22.4       |
| 18 Across 7728 RE                     | 5588  | 141            | 51           | 262        | 142       | 12.0         | 7.7          | 28.5        | 41.8           | 3.0          | 5.7          | 2.5             | 0.9           | 19.2       |
| 17 Across 7627 RE                     | 5577  | 140            | 51           | 250        | 127       | 11.1         | 7.7          | 22.2        | 41.8           | 2.3          | 12.7         | 2.0             | 0.9           | 18.4       |
| 12 Pichilingua 8227                   | 5494  | 138            | 51           | 247        | 128       | 7.7          | 9.4          | 24.8        | 41.5           | 2.3          | 2.8          | 2.0             | 1.0           | 21.1       |
| 14 Across 8227                        | 5483  | 138            | 51           | 246        | 126       | 9.3          | 1.1          | 16.0        | 42.3           | 2.3          | 7.0          | 2.3             | 0.9           | 18.5       |
| 4 Poza Rica 8224                      | 5475  | 138            | 51           | 245        | 130       | 15.2         | 5.5          | 30.5        | 41.5           | 2.8          | 8.9          | 2.0             | 0.9           | 19.3       |
| 16 Across 8136                        | 5372  | 135            | 51           | 235        | 128       | 18.9         | 3.6          | 36.5        | 40.8           | 3.3          | 12.7         | 2.0             | 0.9           | 21.5       |
| 9 Jardinopolis 8227                   | 5337  | 134            | 51           | 237        | 127       | 10.1         | 1.8          | 16.3        | 41.8           | 2.0          | 7.2          | 2.3             | 0.9           | 19.5       |
| 3 Pichilingua 8224                    | 5279  | 133            | 52           | 247        | 146       | 15.1         | 5.9          | 19.3        | 39.3           | 2.0          | 4.8          | 2.3             | 0.9           | 21.8       |
| 5 Piura 8224                          | 5203  | 131            | 53           | 246        | 134       | 12.3         | 4.1          | 25.5        | 42.5           | 2.5          | 5.9          | 2.5             | 0.9           | 22.2       |
| 1 Capinopolis 8224                    | 5187  | 131            | 52           | 226        | 122       | 14.9         | 1.7          | 24.9        | 43.0           | 2.5          | 4.6          | 2.5             | 0.9           | 21.6       |
| 15 Piura 8136                         | 5081  | 128            | 50           | 219        | 115       | 12.5         | 7.1          | 29.4        | 42.0           | 2.8          | 12.4         | 1.8             | 0.8           | 19.1       |
| 2 Guarare 8224                        | 4483  | 113            | 51           | 237        | 130       | 21.1         | 3.8          | 27.3        | 40.0           | 3.3          | 9.2          | 2.3             | 0.9           | 22.6       |
| 11 Los Banos(1) 8227                  | 4234  | 107            | 52           | 245        | 133       | 6.6          | 1.2          | 36.1        | 41.8           | 3.0          | 9.5          | 2.3             | 0.8           | 21.5       |
| MEANS                                 | 5360  | 135            | 51           | 242        | 129       | 12.6         | 5.8          | 25.2        | 41.3           | 2.5          | 8.0          | 2.2             | 0.9           | 20.3       |
| MAXIMUM                               | 5827  | 147            | 53           | 262        | 146       | 21.3         | 19.2         | 36.5        | 43.0           | 3.3          | 13.0         | 2.5             | 1.0           | 22.6       |
| MINIMUM                               | 4234  | 107            | 50           | 219        | 115       | 4.7          | 1.1          | 16.0        | 39.3           | 2.0          | 2.8          | 1.8             | 0.8           | 17.6       |
| CHECKS (TESTIGOS):                    |       |                |              |            |           |              |              |             |                |              |              |                 |               |            |
| 20 AM. PLANTA BAJA                    | 3973  | -              | 52           | 248        | 131       | 12.9         | 22.6         | 38.2        | 32.8           | 2.8          | 4.6          | 2.8             | 0.8           | 16.1       |
| 19 MARGINAL 28 TROPIC.<br>CHECK MEANS | 3952  | -              | 53           | 274        | 155       | 8.8          | 28.3         | 30.3        | 33.5           | 2.8          | 11.4         | 3.3             | 0.9           | 20.7       |
|                                       | 3963  | -              | 52           | 260        | 143       | 10.8         | 25.4         | 34.3        | 33.1           | 2.8          | 8.0          | 3.0             | 0.8           | 18.4       |
| 5% LSD                                | 911.3 |                | 1.1          | 15.6       | 14.9      |              |              |             | 3.7            |              |              |                 |               | 4.0        |
| C.V.                                  | 12.3  |                | 1.5          | 4.5        | 8.0       |              |              |             | 6.5            |              |              |                 |               | 13.9       |

TABLE: 152-V-84

EVT13      YEAR 1984      MEXICO      CO. OBREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR CGTA, INIA-CIANO

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 15 Piura 9136        | 7103  | 100            | 81           | 214        | 128       | 1.2          | 13.2         | 1.1         | 43.5           | 3.5          | 35.3         | 0.9           | 15.0       |
| 10 Los Banos 8227    | 7091  | 100            | 83           | 215        | 115       | 0.0          | 4.1          | 2.6         | 42.5           | 4.3          | 15.8         | 1.1           | 16.6       |
| 16 Across 8136       | 6834  | 94             | 82           | 219        | 116       | 0.6          | 10.4         | 1.1         | 43.3           | 3.9          | 18.9         | 1.0           | 15.0       |
| 18 Across 7728 RE    | 6802  | 96             | 94           | 225        | 124       | 0.0          | 9.4          | 1.6         | 42.0           | 3.9          | 16.7         | 1.2           | 16.0       |
| 2 Guarare 8224       | 6732  | 95             | 83           | 223        | 120       | 0.6          | 4.9          | 0.6         | 41.3           | 3.9          | 14.1         | 1.1           | 16.6       |
| 9 Jardinopolis 8227  | 6689  | 94             | 82           | 210        | 113       | 1.1          | 6.2          | 0.5         | 44.0           | 4.0          | 16.0         | 1.1           | 15.6       |
| 1 Capinopolis 8224   | 6485  | 91             | 83           | 206        | 118       | 0.6          | 7.4          | 0.0         | 42.3           | 3.5          | 6.4          | 1.1           | 16.1       |
| 3 Pichilingue 8224   | 6448  | 91             | 87           | 221        | 121       | 0.6          | 15.8         | 2.2         | 42.5           | 3.6          | 12.8         | 1.1           | 16.9       |
| 12 Pichilingue 8227  | 6418  | 90             | 83           | 220        | 120       | 0.0          | 12.2         | 1.0         | 42.5           | 4.1          | 18.5         | 1.1           | 17.3       |
| 14 Across 8227       | 6337  | 89             | 83           | 215        | 106       | 0.0          | 5.7          | 2.5         | 43.5           | 4.4          | 14.6         | 1.0           | 16.2       |
| 11 Los Banos(1) 8227 | 6256  | 88             | 85           | 225        | 115       | 1.2          | 11.1         | 2.9         | 42.5           | 3.9          | 15.7         | 1.0           | 17.5       |
| 4 Poza Rica 8224     | 6183  | 87             | 84           | 225        | 125       | 0.0          | 16.2         | 4.0         | 41.0           | 3.8          | 14.2         | 1.0           | 15.6       |
| 8 Alajuela (1) 8227  | 6159  | 87             | 85           | 223        | 121       | 1.2          | 13.2         | 0.5         | 44.0           | 4.0          | 10.4         | 1.0           | 17.9       |
| 17 Across 7627 RE    | 6095  | 86             | 82           | 220        | 115       | 0.6          | 7.9          | 1.2         | 41.5           | 3.9          | 17.8         | 1.1           | 16.3       |
| 13 Poza Rica 8227    | 6061  | 85             | 82           | 210        | 109       | 0.0          | 4.7          | 4.0         | 42.8           | 4.1          | 8.0          | 1.0           | 16.0       |
| 6 Suwan 8224         | 5892  | 83             | 88           | 219        | 121       | 1.2          | 7.8          | 3.6         | 41.5           | 3.8          | 14.2         | 1.0           | 17.0       |
| 7 Across 8224        | 5819  | 82             | 87           | 224        | 134       | 2.4          | 22.4         | 4.2         | 42.3           | 3.8          | 19.5         | 0.9           | 15.8       |
| 5 Piura 8224         | 5751  | 81             | 87           | 224        | 133       | 1.7          | 8.0          | 0.6         | 44.0           | 3.8          | 18.0         | 0.9           | 16.0       |
| MEANS                | 6397  | 90             | 84           | 219        | 120       | 0.7          | 10.0         | 1.9         | 42.6           | 3.9          | 15.9         | 1.0           | 16.3       |
| MAXIMUM              | 7103  | 100            | 86           | 224        | 136       | 2.4          | 22.4         | 4.2         | 44.0           | 4.4          | 35.3         | 1.2           | 17.9       |
| MINIMUM              | 5751  | 81             | 81           | 206        | 106       | 0.0          | 4.1          | 0.0         | 41.0           | 3.5          | 6.4          | 0.9           | 15.0       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 20 V-526             | 7095  | -              | 86           | 221        | 124       | 1.7          | 10.7         | 1.8         | 42.8           | 3.8          | 18.5         | 1.0           | 17.6       |
| 19 V-455             | 6369  | -              | 85           | 211        | 116       | 0.0          | 1.4          | 0.0         | 34.5           | 3.9          | 19.3         | 1.2           | 17.0       |
| CHECK MEANS          | 6732  | -              | 85           | 216        | 120       | 0.9          | 6.1          | 0.9         | 38.6           | 3.8          | 18.9         | 1.1           | 17.3       |
| 5% LSD               | 780.2 |                | 2.3          | 23.8       | 20.6      |              |              |             | 2.5            |              |              |               | 1.5        |
| C.V.                 | 8.6   |                | 2.0          | 7.7        | 12.2      |              |              |             | 4.1            |              |              |               | 6.4        |



TABLE: 153-V-84

EVT13      YEAR 1984      MEXICO      XALISCO(NAY)

CO-OPERATOR: ING. CARLOS AGUIRRE, E.S.A., U.A.N.

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 4 Poza Rica 8224     | 2880   | 102            | 69           | 171        | 70        | 10.5         | 11.3         | 2.4         | 2.8          | 16.3           | 2.5           | 14.9         | 2.5             | 1.2           | 21.6       |
| 14 Across 8227       | 2379   | 84             | 70           | 165        | 69        | 13.6         | 7.2          | 9.7         | 2.5          | 18.5           | 2.5           | 13.1         | 3.3             | 1.1           | 21.2       |
| 3 Pichilingue 8224   | 2347   | 83             | 73           | 175        | 82        | 16.1         | 21.1         | 5.6         | 2.8          | 11.3           | 2.8           | 20.2         | 2.5             | 2.4           | 21.2       |
| 15 Piura 8186        | 2333   | 83             | 66           | 165        | 73        | 16.6         | 9.0          | 10.7        | 2.8          | 15.3           | 2.8           | 21.0         | 3.3             | 1.1           | 19.5       |
| 5 Piura 8224         | 2287   | 81             | 73           | 184        | 86        | 10.0         | 7.0          | 2.7         | 2.3          | 14.8           | 2.5           | 15.0         | 2.5             | 1.1           | 19.4       |
| 17 Across 7627 RE    | 2249   | 80             | 68           | 182        | 77        | 8.2          | 11.9         | 3.2         | 2.3          | 15.3           | 2.3           | 20.9         | 3.3             | 1.2           | 17.8       |
| 8 Alajuela (1) 8227  | 2169   | 77             | 71           | 181        | 83        | 12.0         | 6.7          | 3.1         | 2.3          | 17.3           | 2.8           | 16.5         | 2.8             | 1.1           | 21.5       |
| 18 Across 7728 RE    | 2159   | 76             | 70           | 186        | 76        | 13.0         | 12.1         | 4.5         | 2.0          | 12.5           | 3.0           | 23.9         | 3.3             | 1.3           | 19.5       |
| 13 Poza Rica 8227    | 2054   | 73             | 67           | 159        | 63        | 13.4         | 13.9         | 10.9        | 2.8          | 14.0           | 2.8           | 17.6         | 3.8             | 1.3           | 19.8       |
| 12 Pichilingue 8227  | 2034   | 72             | 69           | 172        | 77        | 32.3         | 15.5         | 6.4         | 2.8          | 10.5           | 2.5           | 25.2         | 4.0             | 2.3           | 21.2       |
| 10 Los Banos 8227    | 1965   | 70             | 68           | 173        | 77        | 14.6         | 9.6          | 6.8         | 2.8          | 13.5           | 2.5           | 18.6         | 3.0             | 1.3           | 19.7       |
| 9 Jardinopolis 8227  | 1721   | 61             | 69           | 156        | 69        | 17.5         | 12.5         | 0.0         | 3.0          | 14.5           | 2.8           | 33.7         | 3.3             | 1.0           | 20.2       |
| 16 Across 8136       | 1721   | 61             | 68           | 164        | 70        | 18.4         | 10.2         | 1.8         | 2.8          | 12.8           | 2.8           | 21.2         | 3.3             | 1.1           | 21.2       |
| 6 Susan 8224         | 1704   | 60             | 72           | 158        | 67        | 22.2         | 13.0         | 1.0         | 2.8          | 11.3           | 2.8           | 22.6         | 3.3             | 1.2           | 22.2       |
| 1 Capinopolis 8224   | 1480   | 52             | 71           | 147        | 63        | 35.9         | 18.4         | 0.0         | 3.0          | 10.5           | 3.3           | 26.8         | 3.0             | 1.3           | 21.3       |
| 7 Across 8224        | 1421   | 50             | 72           | 171        | 76        | 23.8         | 15.9         | 8.3         | 3.0          | 8.3            | 3.0           | 28.7         | 3.0             | 1.7           | 22.5       |
| 11 Los Banos(1) 8227 | 1413   | 50             | 64           | 173        | 76        | 25.2         | 22.1         | 4.9         | 3.0          | 10.0           | 2.5           | 23.7         | 3.0             | 1.5           | 21.5       |
| 2 Guarare 8224       | 1233   | 44             | 69           | 168        | 73        | 18.6         | 13.6         | 0.0         | 3.0          | 9.3            | 2.5           | 22.2         | 3.5             | 1.1           | 23.8       |
| MEANS                | 1975   | 70             | 69           | 169        | 74        | 17.9         | 12.8         | 4.6         | 2.7          | 13.1           | 2.7           | 21.4         | 3.1             | 1.3           | 20.8       |
| MAXIMUM              | 2880   | 102            | 73           | 186        | 86        | 35.9         | 22.1         | 10.9        | 3.0          | 18.5           | 3.3           | 33.7         | 4.0             | 2.4           | 23.8       |
| MINIMUM              | 1233   | 44             | 64           | 147        | 63        | 8.2          | 6.7          | 0.0         | 2.0          | 8.3            | 2.3           | 13.1         | 2.5             | 1.0           | 17.8       |
| CHECKS (TESTIGOS):   |        |                |              |            |           |              |              |             |              |                |               |              |                 |               |            |
| 19 B-555             | 2825   | -              | 71           | 184        | 76        | 7.3          | 7.3          | 8.4         | 2.3          | 15.3           | 1.3           | 11.3         | 2.8             | 1.2           | 22.8       |
| 20 H-503             | 2159   | -              | 79           | 217        | 131       | 7.9          | 7.5          | 0.0         | 2.5          | 18.8           | 3.0           | 13.0         | 1.8             | 1.0           | 21.5       |
| CHECK MEANS          | 2492   | -              | 74           | 200        | 103       | 7.6          | 7.4          | 4.2         | 2.4          | 17.0           | 2.1           | 12.1         | 2.3             | 1.1           | 22.2       |
| 5% LSD               | 1202.0 |                | 5.3          | 19.5       | 12.8      |              |              |             |              | 7.8            |               |              |                 |               |            |
| C.V.                 | 41.9   |                | 5.4          | 8.0        | 11.8      |              |              |             |              | 40.8           |               |              |                 |               |            |

TABLE: 154-V-84

EVT13      YEAR 1984      INDONESIA      MUNENG  
 CO-OPERATOR: DR. CAHLAN

| ENTRY NO./PEDIGREE | KG/HA   | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM       | ROOT<br>LOGG | SCLER<br>% | EAR<br>BORER | HELM | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |      |
|--------------------|---------|----------------|--------------|------------|-----------|------------|--------------|------------|--------------|------|----------------|---------------|--------------|-----------------|------------|------|
|                    |         |                |              |            |           | BORER<br>% |              |            |              |      |                |               |              |                 |            |      |
| 16 Across          | 3136    | 5261           | 118          | 55         | 225       | 153        | 8.5          | 1.2        | 11.2         | 1.3  | 1.5            | 40.0          | 2.0          | 9.4             | 1.8        | 30.5 |
| 6 Suwan            | 8224    | 5107           | 115          | 55         | 220       | 113        | 4.3          | 0.6        | 11.2         | 1.3  | 1.5            | 41.0          | 2.0          | 10.4            | 1.5        | 31.5 |
| 15 Piura           | 3136    | 4353           | 112          | 55         | 222       | 127        | 9.1          | 0.0        | 18.6         | 2.3  | 1.5            | 40.0          | 2.0          | 16.8            | 1.8        | 33.2 |
| 2 Guarare          | 8224    | 4325           | 111          | 55         | 222       | 122        | 4.3          | 3.7        | 11.0         | 1.5  | 1.5            | 41.5          | 2.0          | 8.2             | 2.3        | 32.0 |
| 7 Across           | 8224    | 4908           | 111          | 56         | 240       | 123        | 5.5          | 0.0        | 9.8          | 1.8  | 1.5            | 40.8          | 2.3          | 11.0            | 2.3        | 34.3 |
| 14 Across          | 8227    | 4200           | 110          | 55         | 236       | 127        | 5.4          | 0.6        | 11.8         | 1.0  | 1.8            | 40.8          | 2.0          | 2.3             | 2.3        | 32.9 |
| 10 Los Banos       | 8227    | 4875           | 110          | 55         | 235       | 127        | 6.2          | 0.6        | 10.2         | 1.5  | 1.5            | 40.8          | 2.0          | 13.5            | 2.5        | 33.6 |
| 12 Pichilingue     | 8227    | 4824           | 109          | 55         | 237       | 139        | 9.8          | 0.6        | 8.4          | 2.3  | 1.5            | 40.8          | 2.0          | 11.1            | 2.5        | 34.0 |
| 3 Pichilingue      | 8224    | 4763           | 107          | 57         | 237       | 144        | 4.2          | 2.4        | 8.1          | 2.0  | 1.3            | 41.3          | 2.3          | 5.2             | 2.0        | 33.5 |
| 17 Across          | 7627 RE | 4732           | 107          | 55         | 240       | 118        | 8.9          | 0.0        | 8.1          | 1.5  | 1.8            | 40.3          | 2.0          | 13.9            | 2.5        | 30.8 |
| 5 Piura            | 8224    | 4665           | 105          | 57         | 229       | 123        | 5.6          | 1.8        | 8.0          | 1.0  | 2.3            | 40.3          | 2.0          | 9.0             | 2.5        | 34.0 |
| 8 Alajuela (1)     | 8227    | 4622           | 104          | 57         | 239       | 133        | 7.2          | 1.2        | 7.2          | 1.3  | 1.3            | 42.0          | 2.3          | 7.2             | 2.3        | 32.0 |
| 11 Los Banos(1)    | 3227    | 4568           | 103          | 56         | 235       | 119        | 6.3          | 1.7        | 9.0          | 1.8  | 1.5            | 40.0          | 2.0          | 12.5            | 2.3        | 33.1 |
| 9 Jardinopolis     | 8227    | 4564           | 102          | 53         | 234       | 116        | 5.3          | 0.0        | 9.0          | 2.3  | 1.5            | 42.0          | 2.0          | 11.0            | 2.3        | 33.9 |
| 1 Capinopolis      | 8224    | 4551           | 102          | 55         | 224       | 144        | 5.0          | 3.7        | 13.4         | 1.0  | 1.3            | 40.3          | 2.0          | 7.9             | 2.3        | 34.2 |
| 4 Poza Rica        | 8224    | 4510           | 102          | 54         | 227       | 106        | 7.8          | 4.3        | 4.0          | 1.0  | 1.3            | 41.5          | 2.3          | 6.7             | 2.0        | 32.1 |
| 18 Across          | 7725 RE | 4189           | 94           | 55         | 242       | 144        | 5.3          | 3.8        | 21.9         | 1.5  | 1.3            | 38.0          | 2.3          | 7.5             | 2.3        | 36.0 |
| 13 Poza Rica       | 8227    | 4153           | 94           | 55         | 224       | 117        | 4.2          | 1.2        | 8.1          | 1.3  | 2.3            | 41.5          | 2.3          | 3.0             | 2.0        | 33.8 |
| MEANS              | 4726    | 106            | 55           | 233        | 128       | 6.2        | 1.5          | 10.5       | 1.5          | 1.5  | 40.7           | 2.1           | 9.2          | 2.2             | 33.1       |      |
| MAXIMUM            | 5261    | 118            | 57           | 242        | 153       | 9.8        | 4.3          | 21.9       | 2.3          | 2.3  | 42.0           | 2.3           | 16.8         | 2.5             | 36.0       |      |
| MINIMUM            | 4153    | 94             | 53           | 222        | 106       | 4.2        | 0.0          | 4.0        | 1.0          | 1.3  | 38.0           | 2.0           | 2.3          | 1.5             | 30.5       |      |
| CHECKS (TESTIGCS): |         |                |              |            |           |            |              |            |              |      |                |               |              |                 |            |      |
| 19 LOCAL CHECK 1   | 4441    | -              | 52           | 243        | 137       | 6.9        | 0.6          | 1.9        | 1.5          | 2.0  | 44.0           | 2.0           | 9.7          | 2.3             | 30.6       |      |
| 20 LOCAL CHECK 2   | 4427    | -              | 51           | 221        | 114       | 9.4        | 2.3          | 0.0        | 1.8          | 1.5  | 42.8           | 2.0           | 7.0          | 2.8             | 29.0       |      |
| CHECK MEANS        | 4334    | -              | 51           | 232        | 125       | 8.1        | 1.4          | 0.9        | 1.6          | 1.8  | 43.4           | 2.0           | 8.4          | 2.5             | 29.8       |      |
| 5% LSC             | 777.0   |                | 1.3          | 14.3       | 29.3      |            |              |            |              |      | 2.7            |               |              |                 |            |      |
| C.V.               | 11.7    |                | 1.6          | 4.3        | 16.2      |            |              |            |              |      | 4.6            |               |              |                 |            |      |

TABLE: 155-V-84

EVT13      YEAR 1984      VIETNAM      HUNG LOC

CO-OPERATOR: VC DINH LONG, PHAM HUY TRUNG

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | %EAR<br>RDT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 3 Pichilingue 8224   | 5588  | 122            | 53           | 204        | 103       | 1.8         | 43.0           | 2.0           | 6.5          | 1.3             | 1.0           | 29.1       |
| 18 Across 7728 RE    | 5526  | 121            | 52           | 218        | 109       | 1.8         | 43.3           | 2.3           | 8.5          | 1.5             | 0.9           | 28.8       |
| 7 Across 8224        | 5079  | 111            | 53           | 205        | 92        | 2.1         | 40.8           | 1.8           | 8.6          | 1.0             | 0.9           | 30.2       |
| 16 Across 8136       | 5063  | 111            | 51           | 195        | 90        | 1.2         | 42.5           | 2.0           | 11.1         | 1.3             | 0.9           | 27.9       |
| 8 Alajuela (1) 8227  | 4936  | 109            | 53           | 224        | 117       | 0.6         | 41.8           | 1.0           | 2.7          | 1.3             | 0.9           | 29.1       |
| 10 Los Banos 8227    | 4829  | 106            | 51           | 201        | 86        | 2.6         | 43.3           | 1.5           | 9.1          | 1.5             | 0.9           | 29.1       |
| 1 Capinopolis 8224   | 4817  | 106            | 52           | 209        | 104       | 1.2         | 43.5           | 2.0           | 8.9          | 1.5             | 1.0           | 31.0       |
| 2 Guarare 8224       | 4735  | 104            | 51           | 198        | 93        | 1.2         | 43.5           | 2.3           | 12.0         | 1.3             | 0.9           | 28.8       |
| 9 Jardinopolis 8227  | 4717  | 103            | 51           | 202        | 106       | 1.3         | 41.0           | 1.3           | 10.2         | 1.8             | 1.0           | 29.1       |
| 6 Swan 8224          | 4676  | 102            | 52           | 193        | 85        | 1.3         | 42.0           | 2.0           | 7.8          | 1.5             | 0.9           | 30.0       |
| 12 Pichilingue 8227  | 4577  | 100            | 53           | 202        | 103       | 0.6         | 41.3           | 1.3           | 5.6          | 2.0             | 1.0           | 29.6       |
| 17 Across 7627 RE    | 4569  | 100            | 52           | 207        | 104       | 2.6         | 42.0           | 1.5           | 11.6         | 1.8             | 0.9           | 30.2       |
| 11 Los Banos(1) 8227 | 4547  | 100            | 51           | 200        | 78        | 0.6         | 42.3           | 1.3           | 6.3          | 1.8             | 1.0           | 30.5       |
| 15 Piura 8136        | 4464  | 98             | 50           | 206        | 97        | 1.3         | 41.0           | 2.0           | 13.5         | 2.0             | 0.9           | 29.1       |
| 5 Piura 8224         | 4448  | 97             | 53           | 197        | 96        | 1.2         | 41.0           | 2.0           | 16.7         | 1.3             | 1.0           | 30.7       |
| 13 Poza Rica 8227    | 4364  | 96             | 52           | 202        | 87        | 0.0         | 43.5           | 1.3           | 4.4          | 1.5             | 0.9           | 30.2       |
| 14 Across 8227       | 4283  | 94             | 51           | 194        | 85        | 1.9         | 41.8           | 1.3           | 6.4          | 1.5             | 0.9           | 28.1       |
| 4 Poza Rica 8224     | 4024  | 88             | 50           | 206        | 98        | 2.7         | 41.3           | 2.3           | 15.9         | 1.8             | 0.9           | 29.9       |
| MEANS                | 4736  | 104            | 52           | 203        | 96        | 1.4         | 42.1           | 1.7           | 9.2          | 1.5             | 0.9           | 29.5       |
| MAXIMUM              | 5588  | 122            | 53           | 224        | 117       | 2.7         | 43.5           | 2.3           | 16.7         | 2.0             | 1.0           | 31.0       |
| MINIMUM              | 4024  | 88             | 50           | 193        | 78        | 0.0         | 40.8           | 1.0           | 2.7          | 1.0             | 0.9           | 27.9       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |             |                |               |              |                 |               |            |
| 19 EARLY THAI COMP.  | 4564  | -              | 50           | 202        | 86        | 0.0         | 38.0           | 1.3           | 10.1         | 2.0             | 1.0           | 27.6       |
| 20 NHA HO COMP       | 4071  | -              | 50           | 212        | 112       | 0.8         | 31.8           | 2.0           | 5.7          | 2.5             | 0.9           | 24.4       |
| CHECK MEANS          | 4318  | -              | 49           | 206        | 98        | 0.4         | 34.9           | 1.6           | 7.9          | 2.3             | 1.0           | 26.0       |
| 5% LSD               | 861.7 |                | 1.4          | 17.1       | 23.8      |             | 3.7            |               |              |                 |               | 3.4        |
| C.V.                 | 13.0  |                | 1.9          | 5.9        | 17.4      |             | 6.2            |               |              |                 |               | 8.2        |

TABLE: 156-V-84

EVT13      YEAR 1984      VIETNAM      HO-CHI-MINH CITY

CO-OPERATOR: VO DINH LONG, PHAN THUONG TRINH

| ENTRY NO./PEDIGREE  | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEP<br>LODG | ROOT<br>LJDD | %EAR<br>PCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MCIST<br>% |      |
|---------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|------|
| 7 Across            | 8224  | 3422           | 113          | 54         | 166       | 73           | 1.2          | 0.0         | 2.0            | 40.8          | 1.3          | 1.3             | 1.3           | 0.9        | 38.3 |
| 15 Piura            | 8136  | 3378           | 111          | 54         | 170       | 79           | 0.0          | 0.0         | 0.0            | 39.8          | 1.5          | 2.7             | 1.5           | 1.0        | 38.0 |
| 18 Across           | 7728  | RE 3287        | 108          | 55         | 173       | 79           | 1.9          | 1.3         | 0.7            | 39.8          | 1.3          | 2.1             | 1.0           | 0.9        | 38.4 |
| 2 Guarara           | 8224  | 3280           | 108          | 54         | 168       | 74           | 1.3          | 1.2         | 1.3            | 39.8          | 1.3          | 2.6             | 1.3           | 1.0        | 37.7 |
| 13 Poza Rica        | 8227  | 3268           | 108          | 53         | 170       | 78           | 2.5          | 1.9         | 0.0            | 41.3          | 2.0          | 0.6             | 2.0           | 1.0        | 36.3 |
| 17 Across           | 7627  | RE 3225        | 106          | 55         | 173       | 80           | 0.6          | 0.0         | 1.3            | 41.5          | 1.3          | 1.8             | 2.3           | 1.0        | 37.8 |
| 11 Los Banos(1)     | 8227  | 3222           | 106          | 55         | 170       | 78           | 0.7          | 1.3         | 0.0            | 40.0          | 2.0          | 0.7             | 2.5           | 0.9        | 39.9 |
| 8 Alajuola (1)      | 8227  | 3203           | 105          | 56         | 170       | 79           | 2.4          | 0.6         | 0.6            | 40.5          | 1.3          | 1.9             | 1.0           | 0.9        | 37.1 |
| 1 Capinopolis       | 8224  | 3197           | 105          | 55         | 160       | 69           | 6.0          | 4.2         | 2.1            | 42.3          | 2.3          | 1.3             | 1.5           | 0.9        | 36.2 |
| 6 Suwan             | 8224  | 3076           | 101          | 55         | 160       | 68           | 2.4          | 2.5         | 0.0            | 41.0          | 2.5          | 0.6             | 2.0           | 0.9        | 37.2 |
| 4 Poza Rica         | 8224  | 3070           | 101          | 55         | 163       | 66           | 1.2          | 0.0         | 0.8            | 41.3          | 2.5          | 1.9             | 2.5           | 0.9        | 37.9 |
| 5 Piura             | 8224  | 3066           | 101          | 55         | 173       | 76           | 0.0          | 1.8         | 0.0            | 40.5          | 2.8          | 2.6             | 2.3           | 0.9        | 38.3 |
| 3 Pichilingue       | 8224  | 3026           | 100          | 55         | 170       | 76           | 1.3          | 0.0         | 0.7            | 40.3          | 3.0          | 0.7             | 2.3           | 0.9        | 36.5 |
| 16 Across           | 8136  | 2985           | 95           | 55         | 168       | 78           | 5.0          | 2.4         | 1.3            | 40.5          | 1.8          | 1.2             | 2.3           | 0.9        | 38.5 |
| 10 Los Banos        | 8227  | 2768           | 91           | 55         | 166       | 79           | 1.8          | 0.6         | 0.0            | 40.3          | 2.8          | 1.4             | 2.3           | 0.9        | 38.4 |
| 12 Pichilingue      | 8227  | 2679           | 88           | 55         | 158       | 70           | 0.7          | 1.2         | 0.0            | 39.5          | 3.0          | 1.4             | 3.0           | 0.9        | 36.9 |
| 9 Jardinopolis      | 8227  | 2606           | 86           | 55         | 163       | 66           | 2.5          | 5.6         | 1.5            | 40.5          | 2.8          | 0.7             | 2.5           | 0.9        | 37.9 |
| 14 Across           | 8227  | 2534           | 83           | 55         | 161       | 75           | 2.0          | 3.5         | 0.8            | 40.0          | 2.3          | 1.3             | 2.3           | 0.9        | 37.6 |
| MEANS               | 3066  | 101            | 55           | 167        | 74        | 1.9          | 1.6          | 0.7         | 40.5           | 2.1           | 1.5          | 2.0             | 0.9           | 37.7       |      |
| MAXIMUM             | 3422  | 113            | 56           | 173        | 80        | 6.0          | 5.6          | 2.1         | 42.3           | 3.0           | 2.7          | 3.0             | 1.0           | 39.9       |      |
| MINIMUM             | 2534  | 83             | 53           | 158        | 66        | 0.0          | 0.0          | 0.0         | 39.5           | 1.3           | 0.6          | 1.0             | 0.9           | 36.2       |      |
| CHECKS (TESTIGOS):  |       |                |              |            |           |              |              |             |                |               |              |                 |               |            |      |
| 19 EARLY THAI COMP. | 3037  | -              | 52           | 165        | 79        | 3.3          | 1.3          | 0.6         | 38.5           | 1.8           | 2.0          | 2.3             | 1.0           | 37.3       |      |
| 20 A1               | 2170  | -              | 52           | 178        | 84        | 1.1          | 0.0          | 0.0         | 22.3           | 1.0           | 4.2          | 3.0             | 1.0           | 37.2       |      |
| CHECK MEANS         | 2604  | -              | 51           | 171        | 81        | 2.2          | 0.7          | 0.3         | 30.4           | 1.4           | 3.1          | 2.6             | 1.0           | 37.2       |      |
| 5% LSC              | 575.6 |                | 0.7          | 11.9       | 11.4      |              |              |             | 2.8            |               |              |                 |               | 2.2        |      |
| C.V.                | 13.5  |                | 0.9          | 5.0        | 10.7      |              |              |             | 5.0            |               |              |                 |               | 4.2        |      |

TABLE: 157-V-84

YEAR: 1984

TRIAL: EVT13  
MEANS ACROSS 49 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION | REGION                |              |              |              | OVER ALL       |              |        |      |
|--------------------|-------------------|-----------------------|--------------|--------------|--------------|----------------|--------------|--------|------|
|                    |                   | I<br>KG./HA           | II<br>KG./HA | IV<br>KG./HA | VI<br>KG./HA | DAYS<br>FLOWER | PLANT<br>HT. | KG./HA |      |
| 18 Across          | 7726 RE           | Amarillo Dentado      | 5615         | 5357         | 3167         | 4039           | 60           | 219    | 5118 |
| 16 Across          | 8136              | Cocollero             | 5242         | 5143         | 3574         | 4391           | 59           | 206    | 4967 |
| 7 Across           | 3224              | Ant. Veracruz 181     | 5264         | 4896         | 3204         | 4491           | 61           | 216    | 4884 |
| 1 Capinopolis      | 8224              | Ant. Veracruz 181     | 5207         | 5098         | 2596         | 4301           | 59           | 204    | 4951 |
| 2 Guarare          | 9224              | Ant. Veracruz 181     | 5213         | 5119         | 2662         | 4213           | 59           | 209    | 4860 |
| 11 Los Banos(1)    | 8227              | Amarillo Cristalino-1 | 5241         | 5134         | 2787         | 3955           | 60           | 216    | 4852 |
| 15 Piura           | 8136              | Cocollero             | 5174         | 5149         | 2809         | 4130           | 58           | 205    | 4850 |
| 3 Picnilingue      | 8224              | Ant. Veracruz 181     | 5089         | 5167         | 2712         | 4312           | 61           | 213    | 4843 |
| 3 Alajuela (1)     | 8227              | Amarillo Cristalino-1 | 5152         | 5049         | 2998         | 4030           | 61           | 218    | 4800 |
| 14 Across          | 8227              | Amarillo Cristalino-1 | 5051         | 5082         | 2808         | 4070           | 59           | 208    | 4777 |
| 4 Poza Rica        | 8224              | Ant. Veracruz 181     | 5085         | 5002         | 2764         | 4209           | 59           | 208    | 4773 |
| 9 Jardinopolis     | 8227              | Amarillo Cristalino-1 | 5115         | 4989         | 2847         | 4078           | 59           | 210    | 4763 |
| 5 Piura            | 8224              | Ant. Veracruz 181     | 5170         | 4922         | 2535         | 4043           | 61           | 215    | 4739 |
| 10 Los Banos       | 8227              | Amarillo Cristalino-1 | 5127         | 4973         | 2715         | 3870           | 60           | 214    | 4725 |
| 6 Suwan            | 8224              | Ant. Veracruz 181     | 5003         | 4909         | 2625         | 4309           | 61           | 207    | 4711 |
| 12 Pichilingue     | 8227              | Amarillo Cristalino-1 | 5091         | 4986         | 2499         | 4104           | 60           | 210    | 4700 |
| 13 Poza Rica       | 8227              | Amarillo Cristalino-1 | 5060         | 4956         | 2509         | 4017           | 59           | 203    | 4697 |
| 17 Across          | 7627 RE           | Amarillo Cristalino-1 | 4369         | 4737         | 2923         | 3998           | 59           | 215    | 4588 |
| Mean               |                   |                       | 5165         | 5032         | 2919         | 4137           | 60           | 211    | 4806 |
| No of Location     |                   |                       | 21           | 17           | 3            | 8              | 44           | 45     | 49   |

Region I= South America

II= North, Central America and the Caribbean

IV= West Africa

VI= Asia

TABLE: 158-V-84

EVT14A    YEAR 1964    ARGENTINA    LEALES

CO-OPERATOR: ILLIS GERONIMO GOMEZ, INTA LEALES

| ENTRY NO./PEDIGREE     | KG/HA | BREAST<br>CHECK | STEM<br>LOGS | PLANTS<br>HARV | EARS/<br>PLNT |
|------------------------|-------|-----------------|--------------|----------------|---------------|
| 7 Muneng 8235          | 4087  | 90              | 20.5         | 34.9           | 1.0           |
| 4 Ferke 8235           | 4085  | 90              | 17.3         | 31.5           | 1.0           |
| 11 Across 8235         | 4394  | 90              | 21.2         | 33.3           | 0.9           |
| 12 Sete Lagoas 7921 RE | 3953  | 87              | 18.5         | 34.2           | 1.0           |
| 3 Across 8126          | 3799  | 84              | 19.0         | 35.5           | 0.9           |
| 5 Ferke (1) 8235       | 3559  | 79              | 19.5         | 32.3           | 0.9           |
| 10 Tocumen (1) 8235    | 3506  | 77              | 20.0         | 29.0           | 1.0           |
| 2 Piura 8126           | 3464  | 77              | 21.9         | 33.3           | 0.8           |
| 6 Capinopolis 8235     | 3444  | 76              | 17.3         | 31.8           | 0.9           |
| 1 Dharwar 8126         | 3313  | 73              | 19.3         | 33.3           | 0.8           |
| 13 Across 7635 RE      | 3247  | 72              | 20.0         | 29.5           | 0.8           |
| 9 Tocumen 8235         | 3229  | 71              | 14.5         | 31.2           | 0.8           |
| 8 Poza Rica 8235       | 3126  | 69              | 17.3         | 30.5           | 0.7           |
| MEANS                  | 3406  | 80              | 19.8         | 32.3           | 0.9           |
| MAXIMUM                | 4087  | 90              | 21.8         | 35.5           | 1.0           |
| MINIMUM                | 3126  | 69              | 14.5         | 29.0           | 0.7           |
| CHECKS (TESTIGOS):     |       |                 |              |                |               |
| 14 LEALES 25           | 4526  | -               | 24.3         | 34.8           | 0.9           |
| 15 TROPICO 228         | 4006  | -               | 30.8         | 35.8           | 1.0           |
| CHECK MEANS            | 4266  | -               | 27.5         | 35.3           | 0.9           |
| 5% LSC                 | 587.0 |                 |              | 5.9            |               |
| C.V.                   | 19.7  |                 |              | 12.6           |               |

TABLE: 159-V-84

EVT14A    YEAR 1984    ARGENTINA    DRAN  
 CO-OPERATOR: CARGILL S.A.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | STEM<br>LDDG | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|----------------|--------------|-----------------|---------------|------------|
| 3 Across 8126          | 4606  | 60             | 17.6         | 33.5           | 2.3          | 3.3             | 1.2           | 19.2       |
| 12 Sete Lagoas 7931 RE | 4573  | 59             | 15.4         | 36.8           | 2.3          | 3.0             | 1.1           | 19.1       |
| 2 Piura 8126           | 4482  | 58             | 22.1         | 31.5           | 2.0          | 3.3             | 1.1           | 18.1       |
| 1 Dharwar 8126         | 4370  | 57             | 16.7         | 33.8           | 2.3          | 2.8             | 1.3           | 18.3       |
| 6 Capinopolis 8235     | 4015  | 52             | 26.9         | 29.5           | 3.3          | 2.8             | 1.1           | 17.9       |
| 7 Muneng 8235          | 3676  | 42             | 19.4         | 33.3           | 3.5          | 3.0             | 1.1           | 17.9       |
| 11 Across 8235         | 3602  | 47             | 29.8         | 31.0           | 3.5          | 3.0             | 1.1           | 19.1       |
| 5 Ferke (1) 8235       | 3511  | 46             | 18.6         | 32.8           | 3.8          | 3.3             | 0.9           | 18.2       |
| 8 Poza Rica 8235       | 3315  | 43             | 17.4         | 29.0           | 3.5          | 3.5             | 1.0           | 17.9       |
| 4 Ferke 8235           | 3292  | 43             | 22.3         | 32.5           | 3.5          | 4.0             | 1.0           | 17.7       |
| 10 Tucumen (1) 8235    | 3141  | 41             | 29.6         | 30.5           | 3.5          | 3.2             | 0.9           | 19.0       |
| 13 Across 7635 RE      | 3104  | 40             | 18.5         | 22.8           | 3.3          | 3.8             | 1.3           | 16.4       |
| 9 Tucumen 8235         | 2905  | 38             | 27.2         | 31.8           | 3.3          | 3.8             | 0.8           | 18.3       |
| MEANS                  | 3738  | 48             | 21.7         | 31.4           | 3.1          | 3.3             | 1.1           | 18.2       |
| MAXIMUM                | 4606  | 60             | 29.8         | 36.8           | 3.8          | 4.0             | 1.3           | 19.2       |
| MINIMUM                | 2905  | 38             | 15.4         | 22.8           | 2.0          | 2.8             | 0.8           | 16.4       |
| CHECKS (TESTIGOS):     |       |                |              |                |              |                 |               |            |
| 15 CARGILL EXP.38021   | 7712  | -              | 7.4          | 36.5           | 1.3          | 2.8             | 1.5           | 22.6       |
| 14 TROPICO 228         | 6126  | -              | 17.2         | 32.0           | 1.8          | 3.0             | 1.5           | 21.0       |
| CHECK MEANS            | 6919  | -              | 12.3         | 34.3           | 1.5          | 2.9             | 1.5           | 21.8       |
| 5% LSD                 | 800.1 |                |              | 5.2            |              |                 |               | 2.0        |
| C.V.                   | 13.5  |                |              | 11.5           |              |                 |               | 7.5        |

TABLE: 160-V-84

EVT14A YEAR 1984 BOLIVIA ISOPROPINDA  
 CO-OPERATOR: ALBERTO MINOJESA PADILLA, CORDECH

| ENTRY NO./PEDIGREE     | KG/HA  | BEST CHECK | DAYS SILK | PLNT HT | EAR HT | STEM LODG | ROOT LOQG | WEAR RCT | PLANTS HARV | EAR ASPCT | PLANT ASPECT | EARS/ PLNT | MOIST % |
|------------------------|--------|------------|-----------|---------|--------|-----------|-----------|----------|-------------|-----------|--------------|------------|---------|
| 2 Piura 8126           | 10109  | 111        | 62        | 223     | 120    | C.C       | 0.0       | 7.4      | 37.0        | 1.0       | 1.0          | 1.6        | 21.4    |
| 1 Dharwar 8126         | 9250   | 102        | 63        | 205     | 105    | 3.8       | 0.0       | 10.5     | 39.5        | 1.3       | 1.3          | 1.4        | 21.5    |
| 4 Ferke 2235           | 8638   | 95         | 62        | 205     | 105    | 3.4       | 1.3       | 8.1      | 37.5        | 1.8       | 1.0          | 1.4        | 21.5    |
| 3 Across 8126          | 6498   | 91         | 63        | 218     | 118    | 9.2       | 0.7       | 8.7      | 34.5        | 1.0       | 1.3          | 1.4        | 21.9    |
| 12 Sete Lagoas 7931 RE | 8297   | 91         | 63        | 218     | 113    | 1.8       | 0.0       | 9.7      | 40.5        | 1.5       | 1.3          | 1.5        | 22.4    |
| 11 Across 3235         | 8186   | 90         | 63        | 225     | 115    | 4.4       | 1.5       | 12.5     | 35.0        | 1.8       | 1.3          | 1.4        | 20.6    |
| 9 Poza Rica 8235       | 8080   | 89         | 63        | 203     | 103    | 4.2       | 2.4       | 6.9      | 41.5        | 1.3       | 1.5          | 1.2        | 20.6    |
| 5 Ferke (1) 8235       | 7997   | 88         | 62        | 200     | 98     | 0.6       | 0.0       | 11.0     | 34.0        | 1.5       | 1.5          | 1.4        | 21.7    |
| 6 Capinopolis 8235     | 7692   | 87         | 63        | 215     | 112    | 1.2       | 0.6       | 10.9     | 36.0        | 2.3       | 1.3          | 1.2        | 21.4    |
| 10 Tucumen (1) 3235    | 7786   | 86         | 63        | 208     | 108    | 2.2       | 0.0       | 3.2      | 32.8        | 1.0       | 1.5          | 1.5        | 22.2    |
| 7 Muneng 8235          | 7712   | 85         | 62        | 215     | 110    | 2.1       | 0.0       | 9.5      | 35.5        | 1.8       | 1.5          | 1.3        | 21.4    |
| 9 Tucumen 8235         | 7396   | 81         | 62        | 205     | 105    | 4.0       | 0.0       | 12.9     | 34.5        | 2.0       | 1.5          | 1.3        | 21.4    |
| 13 Across 7625 RE      | 6687   | 73         | 62        | 210     | 110    | 3.2       | 0.0       | 12.0     | 31.5        | 1.8       | 1.3          | 1.2        | 21.6    |
| MEANS                  | 8198   | 90         | 63        | 211     | 110    | 3.1       | 0.5       | 9.4      | 36.1        | 1.5       | 1.3          | 1.4        | 21.5    |
| MAXIMUM                | 10109  | 111        | 62        | 225     | 120    | 9.2       | 2.4       | 12.9     | 41.5        | 2.3       | 1.5          | 1.6        | 22.4    |
| MINIMUM                | 6637   | 73         | 62        | 200     | 98     | 0.6       | 0.0       | 3.2      | 31.5        | 1.0       | 1.0          | 1.2        | 20.6    |
| CHECKS (TESTIGOS):     |        |            |           |         |        |           |           |          |             |           |              |            |         |
| 14 AM. CRIST. IDCP.    | 9099   | -          | 67        | 253     | 150    | 1.8       | 0.6       | 8.7      | 40.8        | 1.0       | 1.3          | 1.3        | 23.5    |
| 15 APAR. IDOP.         | 9344   | -          | 70        | 279     | 179    | 3.2       | 7.7       | 7.2      | 39.0        | 1.5       | 1.3          | 1.2        | 22.7    |
| CHECK MEANS            | 9022   | -          | 69        | 265     | 152    | 2.6       | 4.1       | 7.9      | 39.9        | 1.3       | 1.3          | 1.3        | 23.1    |
| SE LSC                 | 1230.1 |            | 1.4       | 19.5    | 17.4   |           |           |          | 7.1         |           |              |            | 2.6     |
| C.V.                   | 15.4   |            | 1.5       | 6.3     | 10.4   |           |           |          | 13.6        |           |              |            | 8.2     |



TABLE: 161-V-84

EVT14A YEAR 1984 BRAZIL SETE LAGOAS

CO-OPERATOR: RICARDO MAGNAVACA, EMBRAPA-CNPMS

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | YEAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 1 Dharwar 8126         | 6196   | 105            | 193        | 90        | 2.8          | 18.2         | 4.3         | 44.0           | 1.0           | 14.8       |
| 3 Across 8126          | 5641   | 95             | 196        | 95        | 2.3          | 1.1          | 5.2         | 42.8           | 1.0           | 14.8       |
| 5 Ferke (1) 8235       | 5640   | 95             | 191        | 83        | 5.7          | 12.6         | 1.7         | 43.5           | 1.0           | 14.4       |
| 2 Piura 8126           | 5533   | 95             | 199        | 96        | 6.0          | 17.8         | 4.6         | 42.5           | 1.0           | 15.6       |
| 4 Ferke 8235           | 5364   | 91             | 185        | 90        | 4.8          | 16.5         | 4.9         | 43.3           | 1.0           | 14.9       |
| 10 Tocumen (1) 8235    | 5275   | 89             | 190        | 89        | 4.1          | 18.8         | 0.6         | 42.8           | 1.0           | 14.8       |
| 7 Munong 8235          | 5172   | 87             | 196        | 93        | 5.2          | 4.5          | 2.2         | 43.8           | 1.0           | 14.4       |
| 11 Across 8235         | 5048   | 85             | 194        | 94        | 4.7          | 13.0         | 4.0         | 43.0           | 1.0           | 14.9       |
| 12 Sete Lagoas 7931 RE | 5012   | 85             | 181        | 84        | 4.0          | 8.0          | 3.4         | 43.0           | 1.0           | 15.5       |
| 8 Poza Rica 8235       | 4978   | 84             | 179        | 83        | 3.1          | 3.5          | 1.2         | 42.0           | 1.0           | 14.8       |
| 6 Capinopolis 8235     | 4962   | 84             | 184        | 88        | 3.6          | 7.7          | 1.7         | 42.0           | 1.0           | 14.6       |
| 9 Tocumen 8235         | 4626   | 78             | 183        | 81        | 6.4          | 10.3         | 1.7         | 43.3           | 1.0           | 15.1       |
| 13 Across 7635 RE      | 4579   | 77             | 181        | 80        | 7.8          | 10.2         | 3.0         | 41.8           | 1.0           | 14.2       |
| MEANS                  | 5241   | 89             | 187        | 87        | 4.6          | 10.9         | 3.0         | 42.9           | 1.0           | 14.8       |
| MAXIMUM                | 6198   | 105            | 199        | 96        | 7.8          | 18.8         | 5.2         | 44.0           | 1.0           | 15.6       |
| MINIMUM                | 4579   | 77             | 179        | 80        | 2.3          | 1.1          | 0.6         | 41.8           | 1.0           | 14.2       |
| CHECKS (TESTIGOS):     |        |                |            |           |              |              |             |                |               |            |
| 15 BR-300              | 5916   | -              | 213        | 113       | 3.5          | 24.4         | 3.6         | 36.8           | 1.1           | 17.4       |
| 16 BR-301              | 5902   | -              | 211        | 111       | 3.2          | 8.8          | 3.4         | 40.5           | 1.1           | 15.6       |
| CHECK MEANS            | 5909   | -              | 213        | 111       | 3.3          | 16.6         | 3.5         | 38.6           | 1.1           | 16.5       |
| 5% LSD                 | 1035.5 |                | 12.7       | 11.3      |              |              |             | 2.4            |               | 0.6        |
| C.V.                   | 13.6   |                | 4.7        | 3.7       |              |              |             | 4.0            |               | 2.7        |

TABLE: 162-V-84

EVT14A YEAR 1984 BRAZIL RIBEIRO PRETO

CO-OPERATOR:SEMENTES REIS DE OURO LTDA

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|-------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 8 Poza Rica 8235       | 5299   | 84             | 55           | 219        | 110       | 5.1         | 44.0           | 1.3          | 2.8          | 3.8             | 1.0           | 12.4       |
| 11 Across 8235         | 5228   | 83             | 56           | 206        | 115       | 4.2         | 42.0           | 2.3          | 1.3          | 3.5             | 1.0           | 12.3       |
| 2 Piura 8126           | 5171   | 82             | 57           | 219        | 118       | 4.2         | 45.3           | 1.5          | 1.7          | 4.0             | 1.0           | 12.4       |
| 10 Tocumen (1) 8235    | 5143   | 81             | 57           | 219        | 103       | 4.1         | 43.0           | 2.3          | 1.8          | 3.8             | 1.0           | 12.5       |
| 3 Across 8126          | 5141   | 81             | 57           | 225        | 118       | 3.7         | 42.0           | 1.3          | 3.0          | 4.5             | 1.0           | 12.5       |
| 5 Ferke (1) 8235       | 5138   | 81             | 56           | 193        | 98        | 3.9         | 43.0           | 1.5          | 2.3          | 3.8             | 1.0           | 12.6       |
| 7 Muneng 8235          | 5001   | 79             | 56           | 208        | 104       | 6.0         | 41.5           | 2.3          | 3.0          | 4.3             | 1.0           | 12.3       |
| 12 Sete Lagoas 7931 RE | 4948   | 78             | 56           | 191        | 99        | 5.6         | 44.5           | 1.5          | 3.4          | 4.5             | 1.0           | 12.4       |
| 6 Capinopolis 8235     | 4797   | 76             | 55           | 211        | 106       | 1.8         | 42.8           | 1.5          | 1.7          | 4.0             | 1.0           | 12.4       |
| 1 Dharwar 8126         | 4748   | 75             | 55           | 190        | 96        | 3.7         | 41.3           | 2.0          | 4.4          | 3.8             | 1.0           | 12.4       |
| 13 Across 7635 RE      | 4595   | 73             | 56           | 208        | 99        | 9.5         | 40.5           | 2.3          | 1.3          | 3.3             | 1.0           | 12.4       |
| 4 Ferke 8235           | 4429   | 70             | 57           | 198        | 100       | 8.8         | 40.3           | 2.5          | 0.6          | 3.8             | 1.0           | 12.3       |
| 9 Tocumen 8235         | 4351   | 69             | 56           | 191        | 93        | 5.0         | 41.3           | 2.3          | 4.8          | 3.5             | 1.0           | 12.3       |
| MEANS                  | 4922   | 78             | 56           | 206        | 104       | 5.1         | 42.4           | 1.9          | 2.5          | 3.9             | 1.0           | 12.4       |
| MAXIMUM                | 5299   | 84             | 57           | 225        | 118       | 9.5         | 45.3           | 2.5          | 4.8          | 4.5             | 1.0           | 12.6       |
| MINIMUM                | 4351   | 69             | 55           | 190        | 93        | 1.8         | 40.3           | 1.3          | 0.6          | 3.3             | 1.0           | 12.3       |
| CHECKS (TESTIGOS):     |        |                |              |            |           |             |                |              |              |                 |               |            |
| 15 RO 3417             | 6333   | -              | 62           | 250        | 158       | 7.6         | 40.8           | 2.0          | 3.6          | 4.3             | 1.0           | 12.3       |
| 14 RO 4022             | 5262   | -              | 64           | 259        | 158       | 7.6         | 44.0           | 2.3          | 0.6          | 4.3             | 1.0           | 12.2       |
| CHECK MEANS            | 5797   | -              | 63           | 259        | 157       | 7.6         | 42.4           | 2.1          | 2.1          | 4.3             | 1.0           | 12.2       |
| 5% LSD                 | 1009.8 |                | 1.0          | 23.3       | 14.6      |             | 4.8            |              |              |                 |               | 0.3        |
| C.V.                   | 14.0   |                | 1.2          | 7.7        | 9.2       |             | 8.0            |              |              |                 |               | 1.7        |

TABLE: 163-V-84

EVT14A YEAR 1984 BRAZIL CAPINOPOLIS

CO-OPERATOR:SEMENTES AGRICERES S.A.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | HUSK<br>COVER | ENDD<br>HARD | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|--------------|----------------|--------------|-----------------|---------------|
| 5 Ferke (1) 8235       | 6309  | 89             | 52           | 181        | 84        | 1.1          | 1.7          | 0.6         | 1.5           | 3.0          | 43.3           | 3.0          | 2.3             | 1.0           |
| 7 Muneng 8235          | 6243  | 84             | 54           | 190        | 89        | 4.6          | 0.0          | 0.6         | 2.5           | 3.0          | 43.8           | 2.8          | 3.3             | 1.0           |
| 6 Capinopolis 8235     | 6169  | 87             | 53           | 183        | 91        | 2.9          | 1.1          | 0.6         | 2.0           | 2.5          | 43.5           | 2.5          | 2.8             | 1.0           |
| 2 Piura 8126           | 6138  | 87             | 54           | 199        | 99        | 2.8          | 1.7          | 2.5         | 1.8           | 1.8          | 44.0           | 1.3          | 2.8             | 0.9           |
| 1 Dharwar 8126         | 5824  | 83             | 53           | 183        | 94        | 3.4          | 0.6          | 2.9         | 2.0           | 1.8          | 44.0           | 2.0          | 2.5             | 1.0           |
| 10 Tocumen (1) 8235    | 5687  | 81             | 54           | 189        | 91        | 0.6          | 3.5          | 0.6         | 2.0           | 3.0          | 43.0           | 3.3          | 2.8             | 1.0           |
| 11 Across 8235         | 5584  | 79             | 54           | 191        | 86        | 3.5          | 2.9          | 0.6         | 2.3           | 3.0          | 43.3           | 3.5          | 2.8             | 1.0           |
| 8 Poza Rica 8235       | 5584  | 79             | 53           | 176        | 84        | 2.9          | 0.6          | 0.6         | 2.0           | 3.0          | 42.8           | 2.8          | 2.8             | 1.0           |
| 9 Tocumen 8235         | 5564  | 79             | 54           | 180        | 94        | 3.4          | 0.6          | 0.0         | 2.8           | 3.0          | 44.0           | 3.0          | 2.8             | 1.0           |
| 13 Across 7635 RE      | 5550  | 79             | 53           | 183        | 86        | 9.2          | 1.9          | 3.0         | 2.5           | 2.8          | 41.0           | 3.0          | 2.8             | 1.0           |
| 4 Ferke 8235           | 5547  | 79             | 54           | 175        | 96        | 2.9          | 2.9          | 1.2         | 1.5           | 2.8          | 43.5           | 3.0          | 2.8             | 1.0           |
| 12 Sete Lagoas 7931 RE | 5447  | 77             | 52           | 179        | 83        | 3.4          | 0.6          | 1.7         | 1.5           | 2.0          | 43.5           | 2.3          | 2.3             | 1.0           |
| 3 Across 8126          | 5254  | 74             | 54           | 185        | 89        | 1.7          | 0.0          | 2.4         | 2.3           | 2.0          | 43.8           | 2.8          | 3.0             | 0.9           |
| MEANS                  | 5762  | 82             | 53           | 184        | 88        | 3.3          | 1.4          | 1.3         | 2.0           | 2.6          | 43.3           | 2.7          | 2.7             | 1.0           |
| MAXIMUM                | 6309  | 89             | 54           | 199        | 99        | 9.2          | 3.5          | 3.0         | 2.8           | 3.0          | 44.0           | 3.5          | 3.3             | 1.0           |
| MINIMUM                | 5254  | 74             | 52           | 175        | 83        | 0.6          | 0.0          | 0.0         | 1.5           | 1.8          | 41.0           | 1.3          | 2.3             | 0.9           |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |               |              |                |              |                 |               |
| 14 AG-301              | 7053  | -              | 62           | 226        | 135       | 8.1          | 0.0          | 0.6         | 1.0           | 4.0          | 43.5           | 1.0          | 4.0             | 1.0           |
| 15 AG-401              | 6514  | -              | 62           | 236        | 136       | 6.4          | 1.2          | 0.6         | 1.0           | 2.8          | 42.8           | 1.8          | 4.0             | 1.0           |
| CHECK MEANS            | 6784  | -              | 61           | 231        | 135       | 7.2          | 0.6          | 0.6         | 1.0           | 3.4          | 43.1           | 1.4          | 4.0             | 1.0           |
| 5% LSD                 | 900.4 |                | 1.2          | 16.2       | 15.7      |              |              |             |               |              | 1.2            |              |                 |               |
| C.V.                   | 10.7  |                | 1.6          | 6.0        | 11.7      |              |              |             |               |              | 1.9            |              |                 |               |

TABLE: 164-V-84

EVT14A YEAR 1984 BRAZIL

GARRETJS

CO-OPERATOR:BRASKAL3

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>PCT | PUCC<br>PDLY | HELM<br>TURC | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|------------|
| 3 Across 8126          | 4551  | 94             | 56           | 218        | 118       | 6.8          | 2.8          | 10.1        | 3.8          | 1.0          | 43.8           | 1.0           | 15.8       |
| 2 Piura 3126           | 4444  | 90             | 55           | 212        | 117       | 14.3         | 2.8          | 9.4         | 3.0          | 1.0          | 43.8           | 1.0           | 16.8       |
| 5 Ferke (1) 8235       | 4395  | 89             | 54           | 208        | 107       | 8.7          | 3.0          | 6.5         | 4.8          | 1.8          | 42.8           | 1.0           | 16.0       |
| 11 Across 8235         | 4375  | 89             | 55           | 204        | 103       | 9.0          | 4.8          | 6.8         | 4.0          | 2.0          | 42.0           | 1.0           | 15.8       |
| 10 Tocumen (1) 8235    | 4357  | 88             | 55           | 201        | 109       | 26.2         | 5.2          | 10.5        | 4.0          | 1.0          | 42.8           | 1.0           | 17.3       |
| 9 Tocumen 8235         | 4286  | 87             | 55           | 209        | 111       | 16.1         | 2.3          | 9.1         | 4.8          | 1.0          | 43.3           | 1.0           | 16.3       |
| 7 Muneng 8235          | 4285  | 87             | 54           | 202        | 103       | 13.2         | 0.0          | 4.8         | 4.8          | 1.8          | 42.8           | 1.0           | 15.8       |
| 6 Capinopolis 8235     | 4196  | 85             | 55           | 213        | 109       | 11.6         | 4.7          | 3.6         | 3.8          | 2.5          | 39.8           | 0.9           | 16.3       |
| 12 Sete Lagoas 7931 RE | 4089  | 83             | 53           | 201        | 107       | 4.0          | 4.0          | 5.6         | 4.8          | 1.0          | 43.8           | 0.9           | 16.3       |
| 1 Dharwar 8126         | 4086  | 82             | 55           | 199        | 113       | 4.5          | 4.5          | 16.3        | 3.0          | 1.0          | 44.3           | 1.0           | 17.3       |
| 8 Poza Rica 8235       | 4043  | 82             | 55           | 184        | 96        | 14.5         | 2.9          | 10.0        | 4.0          | 1.0          | 43.0           | 0.9           | 16.0       |
| 4 Ferke 8235           | 3892  | 79             | 53           | 205        | 104       | 9.2          | 2.9          | 10.7        | 4.0          | 1.8          | 43.8           | 0.9           | 16.3       |
| 13 Across 7635 RE      | 3732  | 76             | 54           | 193        | 98        | 32.4         | 1.8          | 10.6        | 4.8          | 1.0          | 40.3           | 1.0           | 15.8       |
| MEANS                  | 4218  | 84             | 55           | 204        | 107       | 13.1         | 3.2          | 8.8         | 4.1          | 1.4          | 42.8           | 1.0           | 16.3       |
| MAXIMUM                | 4651  | 94             | 56           | 218        | 118       | 32.4         | 5.2          | 16.3        | 4.8          | 2.5          | 44.3           | 1.0           | 17.3       |
| MINIMUM                | 3732  | 76             | 53           | 184        | 96        | 4.0          | 0.0          | 3.6         | 3.0          | 1.0          | 39.8           | 0.9           | 15.8       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |              |                |               |            |
| 15 XL-678A             | 4926  | -              | 61           | 237        | 146       | 32.3         | 3.1          | 17.8        | 2.0          | 1.0          | 41.3           | 1.0           | 16.3       |
| 14 XL-360              | 3047  | -              | 60           | 221        | 133       | 11.0         | 8.3          | 15.4        | 4.8          | 2.8          | 43.3           | 0.9           | 15.3       |
| CHECK MEANS            | 3986  | -              | 60           | 229        | 139       | 21.6         | 5.7          | 16.6        | 3.4          | 1.9          | 42.3           | 0.9           | 15.8       |
| 5% LSD                 | 313.7 |                | 0.9          | 10.8       | 6.4       |              |              |             |              |              | 2.3            |               | 1.5        |
| C.V.                   | 5.3   |                | 1.1          | 3.7        | 4.0       |              |              |             |              |              | 3.7            |               | 6.5        |

TABLE: 165-V-84

EVT14A    YEAR 1984    BRAZIL    PASSO FUNDO  
 CO-OPERATOR: GILBERTO POZAR, SEMENTES SELECIONADAS AD

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|---------------|------------|
| 3 Across 8126          | 6182  | 75             | 75           | 216        | 110       | 39.9         | 32.6         | 14.9        | 43.8           | 2.0          | 1.0           | 22.0       |
| 1 Dharwar 8126         | 5662  | 68             | 74           | 198        | 99        | 40.5         | 40.1         | 17.0        | 43.8           | 2.0          | 1.0           | 23.3       |
| 2 Piura 8126           | 5639  | 68             | 74           | 217        | 107       | 34.8         | 42.9         | 19.5        | 43.8           | 2.0          | 1.1           | 24.3       |
| 12 Sete Lagoas 7931 RE | 5314  | 64             | 77           | 191        | 92        | 38.2         | 30.9         | 14.3        | 43.8           | 2.0          | 1.0           | 23.3       |
| 11 Across 8235         | 5001  | 60             | 73           | 211        | 104       | 27.6         | 62.7         | 22.9        | 43.0           | 3.0          | 1.0           | 22.8       |
| 8 Poza Rica 8235       | 4843  | 58             | 72           | 203        | 105       | 26.8         | 61.3         | 14.6        | 43.8           | 3.0          | 1.0           | 21.5       |
| 7 Muneng 8235          | 4684  | 56             | 74           | 209        | 106       | 26.7         | 70.5         | 22.2        | 44.0           | 3.0          | 1.0           | 21.8       |
| 13 Across 7635 RE      | 4496  | 54             | 71           | 189        | 90        | 25.8         | 61.9         | 28.7        | 43.3           | 5.0          | 1.0           | 22.3       |
| 10 Tocumen (1) 8235    | 4446  | 54             | 75           | 196        | 101       | 35.4         | 54.9         | 25.4        | 43.8           | 3.0          | 1.0           | 24.0       |
| 6 Capinopolis 8235     | 4431  | 53             | 74           | 203        | 95        | 38.8         | 49.7         | 17.1        | 43.8           | 4.0          | 0.9           | 22.0       |
| 4 Ferke 8235           | 4191  | 51             | 75           | 199        | 95        | 34.2         | 57.8         | 23.9        | 43.8           | 4.0          | 1.0           | 22.3       |
| 5 Ferke (1) 8235       | 4092  | 49             | 72           | 196        | 93        | 31.4         | 57.7         | 16.2        | 43.5           | 4.0          | 1.0           | 22.0       |
| 9 Tocumen 8235         | 4000  | 48             | 73           | 196        | 101       | 23.3         | 56.8         | 19.7        | 43.3           | 3.0          | 1.0           | 22.5       |
| MEANS                  | 4845  | 58             | 74           | 202        | 100       | 32.6         | 52.3         | 19.7        | 43.6           | 3.1          | 1.0           | 22.6       |
| MAXIMUM                | 6182  | 75             | 77           | 217        | 110       | 40.5         | 70.5         | 28.7        | 44.0           | 5.0          | 1.1           | 24.3       |
| MINIMUM                | 4000  | 48             | 71           | 189        | 90        | 23.3         | 30.9         | 14.3        | 43.0           | 2.0          | 0.9           | 21.5       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                |              |               |            |
| 15 LOCAL CHECK 2       | 8293  | -              | 83           | 249        | 147       | 61.8         | 10.4         | 3.6         | 42.8           | 1.0          | 1.1           | 27.5       |
| 14 LOCAL CHECK 1       | 8130  | -              | 75           | 225        | 111       | 43.8         | 19.9         | 5.3         | 44.0           | 1.0          | 1.1           | 23.0       |
| CHECK MEANS            | 8212  | -              | 79           | 236        | 128       | 52.8         | 15.1         | 4.5         | 43.4           | 1.0          | 1.1           | 25.3       |
| 5% LSD                 | 712.1 |                | 2.3          | 13.5       | 11.6      |              |              |             | 2.1            |              |               | 2.1        |
| C.V.                   | 9.4   |                | 2.2          | 4.6        | 7.9       |              |              |             | 3.4            |              |               | 6.4        |

TABLE: 166-V-84

EVT14A YEAR 1984

PARAGUAY

CAACUPE

CO-OPERATOR: MARIC ESTIGARRIBIA, INSTITUTO AGR. NACIONAL

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LJDD | ROOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>M.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 10 Tocumen (1) 8235    | 4514   | 139            | 76           | 158        | 68        | 8.9          | 5.5          | 3.5         | 41.8           | 2.5           | 20.4         | 2.5             | 1.0           | 17.4       |
| 12 Sete Lagoas 7931 RE | 4455   | 138            | 76           | 135        | 53        | 0.6          | 0.6          | 3.6         | 42.0           | 2.5           | 14.6         | 2.5             | 1.0           | 17.6       |
| 13 Across 7635 RE      | 4429   | 137            | 76           | 140        | 48        | 17.6         | 8.4          | 7.3         | 38.3           | 2.8           | 22.3         | 2.5             | 1.1           | 16.2       |
| 5 Ferke (1) 8235       | 4289   | 132            | 75           | 133        | 48        | 7.3          | 1.8          | 8.6         | 41.3           | 2.8           | 18.4         | 2.8             | 1.0           | 16.1       |
| 11 Across 8235         | 4084   | 126            | 76           | 153        | 53        | 7.7          | 4.3          | 9.6         | 41.3           | 3.3           | 28.2         | 2.8             | 0.9           | 16.6       |
| 6 Capinopolis 8235     | 4017   | 124            | 76           | 140        | 53        | 5.9          | 5.7          | 2.3         | 42.3           | 2.8           | 19.9         | 2.8             | 1.0           | 15.2       |
| 1 Dharwar 8126         | 3878   | 120            | 76           | 123        | 50        | 3.6          | 0.0          | 11.0        | 41.8           | 3.5           | 31.9         | 2.8             | 1.0           | 16.5       |
| 7 Muneng 8235          | 3709   | 115            | 76           | 155        | 58        | 3.6          | 2.4          | 7.2         | 42.3           | 3.0           | 12.1         | 2.8             | 1.0           | 15.4       |
| 4 Ferke 8235           | 3633   | 112            | 77           | 140        | 53        | 8.6          | 1.8          | 8.0         | 39.8           | 3.3           | 13.5         | 2.8             | 1.0           | 16.0       |
| 9 Tocumen 8235         | 3564   | 110            | 76           | 133        | 50        | 15.1         | 3.7          | 6.7         | 40.5           | 3.5           | 24.6         | 3.0             | 1.0           | 16.4       |
| 3 Across 8126          | 3524   | 109            | 76           | 153        | 53        | 1.7          | 0.6          | 9.0         | 42.5           | 3.5           | 13.0         | 2.3             | 0.9           | 15.5       |
| 8 Poza Rica 8235       | 3272   | 101            | 76           | 130        | 50        | 7.2          | 3.6          | 5.9         | 41.5           | 3.5           | 20.0         | 3.0             | 1.0           | 14.9       |
| 2 Piura 8126           | 2796   | 86             | 77           | 135        | 55        | 7.8          | 1.8          | 7.6         | 41.8           | 4.3           | 23.8         | 2.5             | 0.9           | 16.9       |
| MEANS                  | 3859   | 119            | 76           | 142        | 53        | 7.4          | 3.1          | 7.0         | 41.3           | 3.2           | 20.2         | 2.7             | 1.0           | 16.2       |
| MAXIMUM                | 4514   | 139            | 77           | 158        | 68        | 17.6         | 8.4          | 11.0        | 42.5           | 4.3           | 31.9         | 3.0             | 1.1           | 17.6       |
| MINIMUM                | 2796   | 86             | 75           | 130        | 48        | 0.6          | 0.0          | 2.3         | 38.3           | 2.5           | 12.1         | 2.3             | 0.9           | 14.9       |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |              |             |                |               |              |                 |               |            |
| 15 GERMINAL P-491      | 3236   | -              | 96           | 193        | 100       | 0.0          | 1.3          | 5.7         | 23.3           | 3.5           | 5.6          | 3.8             | 1.2           | 20.4       |
| 14 GUARANI V-311       | 3164   | -              | 94           | 233        | 125       | 8.9          | 2.1          | 10.1        | 36.0           | 3.8           | 1.7          | 3.0             | 1.0           | 25.2       |
| CHECK MEANS            | 3201   | -              | 90           | 212        | 112       | 4.4          | 1.7          | 7.9         | 29.6           | 3.6           | 3.6          | 3.4             | 1.1           | 22.8       |
| 5% LSC                 | 1087.9 |                | 1.9          | 21.0       | 17.8      |              |              |             | 3.2            |               |              |                 |               | 1.8        |
| C.V.                   | 20.2   |                | 1.7          | 9.7        | 20.5      |              |              |             | 5.6            |               |              |                 |               | 7.5        |

TABLE: 167-V-84

EVT14A      YEAR 1984      PARAGUAY      CAPITAN MIRANDA  
 CO-OPERATOR: VERONICA MACHADO, C.R.I.A.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | PUCC<br>SORG | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|---------------|--------------|-----------------|------------|
| 2 Piura 8126           | 6788  | 115            | 93           | 179        | 88        | 12.3         | 1.8          | 4.5         | 3.3          | 1.8          | 43.0           | 3.3           | 17.4         | 3.3             | 17.7       |
| 3 Across 8126          | 6540  | 110            | 79           | 181        | 98        | 9.7          | 1.7          | 1.7         | 3.3          | 1.0          | 43.8           | 2.5           | 23.2         | 2.5             | 17.9       |
| 4 Ferke 8235           | 6480  | 109            | 81           | 169        | 90        | 14.5         | 1.8          | 1.7         | 3.5          | 1.5          | 42.8           | 2.5           | 22.5         | 2.5             | 17.2       |
| 10 Tocuman (1) 8235    | 6444  | 109            | 91           | 179        | 86        | 14.5         | 1.1          | 1.8         | 3.8          | 2.3          | 42.8           | 2.3           | 28.3         | 2.8             | 17.5       |
| 1 Dharwar 8126         | 6406  | 108            | 80           | 175        | 95        | 4.5          | 4.5          | 4.0         | 2.5          | 1.8          | 44.0           | 2.8           | 41.6         | 2.0             | 17.6       |
| 5 Ferke (1) 8235       | 6403  | 108            | 81           | 168        | 81        | 9.9          | 0.0          | 1.1         | 3.5          | 1.5          | 43.3           | 2.0           | 12.1         | 2.3             | 17.5       |
| 13 Across 7635 RE      | 6286  | 106            | 79           | 168        | 83        | 25.2         | 0.6          | 1.8         | 3.0          | 1.8          | 42.8           | 3.0           | 30.1         | 3.0             | 17.3       |
| 7 Muneng 8235          | 6132  | 103            | 81           | 173        | 91        | 9.1          | 0.6          | 1.2         | 3.3          | 1.3          | 41.8           | 2.5           | 18.2         | 2.5             | 16.9       |
| 11 Across 8235         | 5992  | 101            | 82           | 170        | 81        | 19.1         | 3.1          | 3.6         | 3.3          | 1.3          | 42.0           | 2.8           | 34.0         | 3.3             | 17.0       |
| 9 Tocumen 8235         | 5990  | 101            | 81           | 169        | 79        | 22.2         | 0.0          | 1.8         | 3.5          | 2.0          | 42.8           | 3.5           | 20.0         | 3.3             | 17.7       |
| 6 Capinopolis 8235     | 5958  | 101            | 80           | 175        | 93        | 14.6         | 0.0          | 0.6         | 3.5          | 1.3          | 42.8           | 2.8           | 21.0         | 2.5             | 17.1       |
| 12 Sete Lagoas 7931 RE | 5300  | 98             | 82           | 165        | 79        | 2.8          | 1.8          | 9.8         | 3.8          | 1.5          | 43.3           | 4.3           | 15.3         | 3.0             | 18.3       |
| 8 Poza Rica 8235       | 5713  | 96             | 81           | 159        | 74        | 17.0         | 1.7          | 1.7         | 3.3          | 1.5          | 43.0           | 3.3           | 18.3         | 2.8             | 17.0       |
| MEANS                  | 6225  | 105            | 81           | 171        | 92        | 13.5         | 1.4          | 2.7         | 3.3          | 1.6          | 42.9           | 2.9           | 23.2         | 2.7             | 17.4       |
| MAXIMUM                | 6788  | 115            | 93           | 181        | 88        | 25.2         | 4.5          | 9.8         | 3.8          | 2.3          | 44.0           | 4.3           | 41.6         | 3.3             | 18.3       |
| MINIMUM                | 5713  | 96             | 79           | 159        | 74        | 2.8          | 0.0          | 0.6         | 2.5          | 1.0          | 41.8           | 2.0           | 12.1         | 2.0             | 16.9       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |              |                |               |              |                 |            |
| 14 GUARANI V-311       | 5926  | -              | 104          | 248        | 156       | 9.8          | 2.1          | 3.4         | 3.3          | 1.5          | 34.8           | 3.5           | 2.1          | 3.8             | 21.0       |
| 15 GERMINAL P-491      | 5945  | -              | 93           | 224        | 124       | 3.0          | 1.0          | 1.6         | 2.8          | 2.5          | 26.0           | 2.0           | 11.2         | 2.8             | 20.3       |
| CHECK MEANS            | 5835  | -              | 100          | 235        | 140       | 6.4          | 1.6          | 2.5         | 3.0          | 2.0          | 30.4           | 2.8           | 6.7          | 3.3             | 20.6       |
| 5% LSD                 | 722.2 |                | 1.9          | 13.4       | 11.8      |              |              |             |              |              | 3.0            |               |              |                 |            |
| C.V.                   | 3.2   |                | 1.6          | 5.2        | 7.2       |              |              |             |              |              | 5.0            |               |              |                 |            |

TABLE: 168-V-84

EVT14A YEAR 1984 PERU PIURA

CO-OPERATOR:M. NEVADG

| ENTRY NO./PEDIGRFE     | KG/HA  | %BEST<br>CHECK | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|-------------|----------------|--------------|-----------------|---------------|------------|
| 2 Piura 8126           | 7169   | 100            | 7.1         | 36.8           | 3.3          | 3.2             | 1.1           | 15.1       |
| 3 Across 8126          | 6747   | 94             | 10.9        | 35.3           | 2.3          | 2.8             | 1.2           | 15.4       |
| 1 Oharwar 8126         | 6642   | 92             | 14.6        | 37.3           | 2.0          | 3.0             | 1.2           | 14.3       |
| 11 Across 8235         | 6475   | 90             | 7.0         | 35.5           | 2.0          | 3.2             | 1.1           | 15.0       |
| 12 Sete Lagoas 7931 RE | 6445   | 90             | 7.2         | 34.3           | 2.8          | 3.2             | 1.2           | 15.4       |
| 13 Across 7635 RE      | 6391   | 89             | 8.4         | 37.3           | 2.0          | 3.2             | 1.1           | 14.6       |
| 4 Ferke 8235           | 6182   | 86             | 10.8        | 34.5           | 1.8          | 2.8             | 1.2           | 14.7       |
| 5 Ferke (1) 8235       | 5977   | 83             | 12.9        | 36.0           | 1.9          | 3.0             | 1.0           | 14.4       |
| 7 Muneng 8235          | 5827   | 81             | 7.0         | 37.3           | 1.8          | 2.8             | 1.1           | 14.5       |
| 6 Capinopolis 8235     | 5624   | 78             | 14.3        | 36.8           | 1.8          | 3.0             | 1.1           | 14.2       |
| 9 Tocumen 8235         | 5486   | 76             | 9.9         | 37.0           | 2.0          | 3.3             | 1.0           | 14.5       |
| 10 Tocumen (1) 8235    | 5359   | 75             | 15.8        | 31.3           | 1.8          | 2.9             | 1.1           | 14.6       |
| 8 Poza Rica 8235       | 5272   | 73             | 17.2        | 30.0           | 1.8          | 2.0             | 1.2           | 14.4       |
| MEANS                  | 6122   | 85             | 11.0        | 35.3           | 2.1          | 3.0             | 1.1           | 14.7       |
| MAXIMUM                | 7169   | 100            | 17.2        | 37.3           | 3.3          | 3.3             | 1.2           | 15.4       |
| MINIMUM                | 5272   | 73             | 7.0         | 30.0           | 1.8          | 2.8             | 1.0           | 14.2       |
| CHECKS (TESTIGOS):     |        |                |             |                |              |                 |               |            |
| 15 PM-102              | 7184   | -              | 3.3         | 38.8           | 2.3          | 3.2             | 1.0           | 16.6       |
| 14 PM-701              | 6292   | -              | 15.7        | 35.5           | 3.0          | 3.3             | 1.0           | 16.3       |
| CHECK MEANS            | 6738   | -              | 9.5         | 37.1           | 2.6          | 3.3             | 1.0           | 16.4       |
| 5% LSD                 | 1758.8 |                |             | 6.9            |              |                 |               | 0.8        |
| C.V.                   | 19.9   |                |             | 13.5           |              |                 |               | 3.9        |



TABLE: 169-V-84

EVT14A YEAR 1984 MEXICO CO. OREGON  
 CO-OPERATOR: ANGEL SQUI, OSCAR COTA, INIA-SARH-CIANO

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LOGG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 3 Across 8126          | 7360  | 94             | 72           | 139        | 114       | 0.0          | 7.7          | 1.4         | 41.3           | 4.5          | 23.9         | 1.2           | 15.4       |
| 1 Dharwar 8126         | 7133  | 91             | 76           | 195        | 114       | 1.7          | 12.1         | 1.0         | 45.0           | 4.1          | 35.5         | 1.1           | 14.3       |
| 2 Piura 8126           | 7112  | 91             | 77           | 219        | 118       | 5.8          | 18.4         | 2.0         | 43.0           | 4.1          | 22.4         | 1.1           | 16.0       |
| 9 Tucuman 9235         | 7011  | 90             | 74           | 201        | 104       | 0.0          | 11.5         | 0.6         | 43.8           | 4.0          | 24.7         | 1.0           | 14.6       |
| 12 Sete Lagoas 7931 RE | 6977  | 89             | 74           | 194        | 101       | 0.0          | 6.0          | 1.6         | 44.3           | 4.3          | 27.0         | 1.1           | 15.4       |
| 7 Muneng 8235          | 6825  | 37             | 74           | 211        | 108       | 2.3          | 7.8          | 1.1         | 42.5           | 3.9          | 25.3         | 1.1           | 14.8       |
| 10 Tucuman (1) 8235    | 6616  | 85             | 77           | 209        | 106       | 0.0          | 12.6         | 3.8         | 44.0           | 3.9          | 24.0         | 1.1           | 16.0       |
| 11 Across 8235         | 6575  | 84             | 76           | 205        | 105       | 0.6          | 22.1         | 0.0         | 42.0           | 3.6          | 28.3         | 1.0           | 14.3       |
| 4 Ferke 8235           | 6343  | 84             | 78           | 203        | 111       | 2.3          | 9.1          | 1.7         | 43.5           | 3.8          | 14.1         | 1.1           | 14.4       |
| 6 Capinopolis 8235     | 6520  | 82             | 76           | 193        | 91        | 1.1          | 17.7         | 1.1         | 45.3           | 4.0          | 16.8         | 1.0           | 14.4       |
| 5 Ferke (1) 8235       | 6511  | 83             | 75           | 198        | 95        | 1.9          | 11.5         | 2.9         | 40.5           | 3.9          | 19.5         | 1.1           | 14.2       |
| 8 Poza Rica 8235       | 6370  | 81             | 73           | 193        | 101       | 0.6          | 6.9          | 0.0         | 41.8           | 4.1          | 19.8         | 1.1           | 14.8       |
| 13 Across 7635 RE      | 5437  | 69             | 76           | 190        | 96        | 2.2          | 20.6         | 1.3         | 36.0           | 3.8          | 35.5         | 1.1           | 14.8       |
| MEANS                  | 6692  | 85             | 75           | 199        | 105       | 1.4          | 12.6         | 1.4         | 42.5           | 4.0          | 24.4         | 1.1           | 14.9       |
| MAXIMUM                | 7360  | 94             | 78           | 219        | 118       | 5.9          | 22.1         | 3.8         | 45.3           | 4.5          | 35.5         | 1.2           | 16.0       |
| MINIMUM                | 5437  | 69             | 72           | 188        | 91        | 0.0          | 6.0          | 0.0         | 36.0           | 3.6          | 14.1         | 1.0           | 14.2       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 15 V-526               | 7827  | -              | 86           | 233        | 140       | 1.9          | 1.8          | 1.8         | 40.5           | 4.3          | 22.1         | 1.0           | 16.8       |
| 14 V-455               | 7025  | -              | 84           | 210        | 123       | 0.0          | 1.5          | 3.3         | 35.3           | 3.8          | 33.5         | 1.1           | 17.9       |
| CHECK MEANS            | 7426  | -              | 84           | 221        | 131       | 1.0          | 1.6          | 2.6         | 37.9           | 4.0          | 27.8         | 1.1           | 17.4       |
| 5% LSC                 | 668.6 |                | 2.9          | 25.1       | 15.9      |              |              |             | 3.9            |              |              |               | 1.2        |
| C.V.                   | 5.9   |                | 2.7          | 8.7        | 10.3      |              |              |             | 6.6            |              |              |               | 5.7        |

TABLE: 170-V-84

EVT14A    YEAR 1984    ST. KITTS    MANSION  
 CO-OPERATOR: STAFFORD CROSSMAN, N.A.L.S.

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | ROOT<br>LOGG | HELM<br>MAYD | SPODD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------|----------------|--------------|--------------|---------------|
| 11 Across 8235         | 11095  | 297            | 70           | 146        | 57        | 0.6          | 1.8          | 2.3   | 43.5           | 1.5          | 4.5          | 1.0           |
| 12 Sete Lagoas 7931 RE | 10938  | 290            | 70           | 140        | 53        | 0.0          | 1.8          | 2.0   | 42.8           | 2.0          | 3.3          | 0.9           |
| 2 Piura 8126           | 10296  | 276            | 70           | 144        | 56        | 1.7          | 1.9          | 2.0   | 43.0           | 2.0          | 2.4          | 1.0           |
| 3 Across 8126          | 10210  | 273            | 57           | 149        | 61        | 0.0          | 2.0          | 2.0   | 41.8           | 2.0          | 2.3          | 1.1           |
| 4 Ferke 8235           | 10068  | 269            | 70           | 135        | 60        | 0.0          | 1.3          | 2.3   | 42.3           | 2.0          | 4.8          | 1.0           |
| 5 Ferke (1) 3235       | 9340   | 263            | 59           | 141        | 59        | 0.0          | 1.8          | 2.0   | 41.8           | 2.0          | 4.1          | 1.0           |
| 8 Poza Rica 9235       | 9726   | 260            | 59           | 135        | 53        | 0.0          | 1.8          | 2.0   | 41.8           | 2.0          | 4.6          | 1.1           |
| 1 Dharwar 8126         | 9726   | 260            | 70           | 139        | 55        | 0.0          | 1.5          | 2.0   | 43.5           | 2.0          | 7.1          | 1.0           |
| 13 Across 7635 RE      | 9726   | 260            | 59           | 139        | 55        | 0.6          | 2.0          | 2.5   | 40.8           | 2.0          | 9.1          | 1.0           |
| 10 Tucumen (1) 8235    | 9583   | 256            | 70           | 139        | 56        | 0.6          | 2.0          | 2.5   | 42.8           | 1.8          | 7.2          | 1.0           |
| 7 Muneng 8235          | 9526   | 255            | 70           | 147        | 57        | 0.0          | 2.0          | 2.3   | 42.8           | 2.0          | 7.2          | 1.0           |
| 9 Tucumen 8235         | 9497   | 234            | 69           | 136        | 52        | 0.0          | 2.0          | 2.8   | 42.5           | 2.0          | 8.7          | 1.0           |
| 6 Capinopolis 8235     | 9326   | 250            | 70           | 140        | 58        | 0.6          | 2.3          | 2.8   | 43.3           | 2.0          | 6.3          | 0.9           |
| MEANS                  | 9958   | 267            | 69           | 140        | 57        | 0.3          | 1.8          | 2.3   | 42.5           | 2.0          | 5.5          | 1.0           |
| MAXIMUM                | 11095  | 297            | 70           | 149        | 67        | 1.7          | 2.3          | 2.8   | 43.5           | 2.0          | 9.1          | 1.1           |
| MINIMUM                | 9326   | 250            | 57           | 135        | 52        | 0.0          | 1.3          | 2.0   | 40.8           | 1.8          | 2.3          | 0.9           |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |              |       |                |              |              |               |
| 14 NEVIS LOCAL         | 3734   | -              | 74           | 130        | 40        | 0.0          | 1.8          | 2.0   | 15.3           | 2.0          | 0.0          | 1.0           |
| CHECK MEANS            | 3736   | -              | 73           | 130        | 40        | 0.0          | 1.8          | 2.0   | 15.3           | 2.0          | 0.0          | 1.0           |
| 5% LSD                 | 1533.5 |                | 3.7          | 8.0        | 9.8       |              |              |       | 4.1            |              |              |               |
| C.V.                   | 11.3   |                | 3.8          | 4.0        | 11.1      |              |              |       | 7.1            |              |              |               |

TABLE: 171-V-84

EVT14A      YEAR 1984      ST. KITTS      NEEDSMUST  
 CO-OPERATOR: S. CROSSMAN, NACD

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | ROOT<br>LDDG | %EAR<br>ROT | HELM<br>MAYD | SPODO | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|--------------|-------|----------------|--------------|--------------|-----------------|---------------|
| 10 Tocumen (1) 8235    | 10496  | 387            | 63           | 109        | 51        | 1.8          | 5.7         | 3.5          | 3.3   | 42.8           | 3.0          | 16.0         | 2.5             | 1.0           |
| 2 Piura 8126           | 9868   | 364            | 63           | 122        | 62        | 1.2          | 10.2        | 2.8          | 3.0   | 42.5           | 2.5          | 7.2          | 2.0             | 1.0           |
| 3 Across 8126          | 9469   | 349            | 61           | 117        | 56        | 0.0          | 10.7        | 3.0          | 2.8   | 43.3           | 2.8          | 8.5          | 2.0             | 1.0           |
| 5 Ferke (1) 8235       | 9269   | 342            | 61           | 114        | 50        | 0.0          | 8.1         | 3.3          | 2.8   | 43.0           | 2.5          | 10.2         | 2.3             | 1.0           |
| 12 Sete Lagoas 7931 RE | 9241   | 341            | 64           | 107        | 51        | 0.6          | 7.4         | 3.5          | 3.3   | 43.8           | 2.8          | 9.7          | 2.8             | 1.0           |
| 11 Across 8235         | 9212   | 340            | 64           | 112        | 53        | 0.0          | 10.2        | 3.5          | 3.0   | 43.3           | 3.0          | 21.5         | 2.5             | 0.9           |
| 6 Capinopolis 8235     | 8955   | 331            | 63           | 108        | 50        | 0.0          | 9.7         | 2.8          | 2.8   | 43.5           | 2.8          | 10.9         | 2.0             | 1.0           |
| 4 Ferke 8235           | 8955   | 331            | 64           | 109        | 47        | 0.6          | 6.3         | 3.0          | 3.0   | 43.0           | 2.8          | 12.5         | 2.8             | 0.9           |
| 1 Dharwar 8126         | 8794   | 324            | 64           | 107        | 49        | 0.0          | 4.1         | 2.8          | 3.0   | 42.3           | 2.8          | 14.4         | 2.5             | 1.1           |
| 7 Muneng 8235          | 8670   | 320            | 62           | 115        | 58        | 0.0          | 4.2         | 2.8          | 2.8   | 42.8           | 2.8          | 10.1         | 2.5             | 1.0           |
| 8 Poza Rica 3235       | 8471   | 313            | 63           | 105        | 49        | 0.0          | 8.9         | 3.0          | 2.8   | 44.0           | 2.8          | 11.4         | 2.8             | 0.9           |
| 9 Tocumen 3235         | 8471   | 313            | 62           | 108        | 51        | 0.6          | 9.4         | 3.5          | 2.8   | 43.0           | 3.0          | 11.4         | 2.8             | 1.0           |
| 13 Across 7635 RE      | 8128   | 300            | 60           | 112        | 48        | 2.5          | 6.6         | 3.5          | 3.0   | 39.3           | 3.0          | 16.6         | 3.0             | 1.0           |
| PEANS                  | 9076   | 335            | 63           | 111        | 52        | 0.6          | 7.9         | 3.1          | 2.9   | 42.8           | 2.8          | 12.3         | 2.5             | 1.0           |
| MAXIMUM                | 10496  | 387            | 64           | 122        | 62        | 2.5          | 10.7        | 3.5          | 3.3   | 44.0           | 3.0          | 21.5         | 3.0             | 1.1           |
| MINIMUM                | 8128   | 300            | 60           | 105        | 47        | 0.0          | 4.1         | 2.8          | 2.8   | 39.3           | 2.5          | 7.2          | 2.0             | 0.9           |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |             |              |       |                |              |              |                 |               |
| 14 NEVIS LOCAL         | 2709   | -              | 70           | 99         | 35        | 1.7          | 6.3         | 3.8          | 3.0   | 10.3           | 3.0          | 21.5         | 2.5             | 1.2           |
| CHECK MEANS            | 2709   | -              | 70           | 98         | 35        | 1.7          | 6.3         | 3.8          | 3.0   | 10.3           | 3.0          | 21.5         | 2.5             | 1.2           |
| 5% LSD                 | 1771.8 |                | 1.8          | 9.1        | 6.8       |              |             |              |       | 2.5            |              |              |                 |               |
| C.V.                   | 14.4   |                | 2.0          | 5.8        | 9.4       |              |             |              |       | 4.3            |              |              |                 |               |

TABLE: 172-V-84

EVT14A YEAR 1984 YEMEN A.R. ZABID

CO-OPERATOR: ALL E. KAMBAL

| ENTRY NO./PEDIGREE     | KG/HA  | BEST<br>CHECK | CAYS<br>SILK | PLNT<br>HT | EAR<br>HT | LEAF<br>DIS. | RUST |      | PLANTS<br>HARV | EAR<br>ASPECT | BAD<br>H.C. | EARS/<br>PLNT |
|------------------------|--------|---------------|--------------|------------|-----------|--------------|------|------|----------------|---------------|-------------|---------------|
|                        |        |               |              |            |           |              | 1-5  | SCL  |                |               |             |               |
| 3 Across 8126          | 7897   | 139           | 61           | 196        | 94        | 2.0          | 1.0  | 44.0 | 1.3            | 6.9           | 1.0         |               |
| 12 Sete Lagoas 7931 RE | 7448   | 130           | 57           | 196        | 96        | 1.7          | 1.3  | 44.0 | 2.0            | 14.9          | 1.1         |               |
| 6 Capinopolis 8235     | 7342   | 129           | 59           | 198        | 101       | 2.3          | 1.0  | 39.3 | 3.0            | 17.3          | 1.1         |               |
| 8 Poza Rica 8235       | 7320   | 129           | 59           | 181        | 90        | 2.3          | 1.0  | 42.0 | 3.0            | 11.0          | 1.0         |               |
| 1 Dharwar 8126         | 6957   | 121           | 57           | 197        | 103       | 2.0          | 1.3  | 43.3 | 2.0            | 19.7          | 1.0         |               |
| 2 Piura 8126           | 6765   | 118           | 61           | 193        | 99        | 2.3          | 1.3  | 42.0 | 2.0            | 12.4          | 1.0         |               |
| 4 Ferke 8235           | 6701   | 117           | 59           | 197        | 86        | 2.0          | 1.3  | 42.0 | 3.0            | 11.1          | 1.1         |               |
| 9 Tucumen 8235         | 6680   | 116           | 59           | 183        | 88        | 2.3          | 1.0  | 42.7 | 3.0            | 19.2          | 1.0         |               |
| 10 Tucumen (1) 8235    | 6680   | 116           | 59           | 202        | 103       | 2.0          | 1.0  | 42.7 | 3.0            | 13.1          | 1.0         |               |
| 7 Muneng 8235          | 6573   | 114           | 60           | 198        | 91        | 2.0          | 1.0  | 41.0 | 3.0            | 12.8          | 1.0         |               |
| 5 Ferke (1) 8235       | 6488   | 113           | 59           | 195        | 98        | 2.3          | 1.0  | 40.7 | 3.0            | 10.4          | 1.0         |               |
| 11 Across 8235         | 6189   | 108           | 59           | 187        | 97        | 2.0          | 1.0  | 41.3 | 3.0            | 18.1          | 1.0         |               |
| 13 Across 7635 RE      | 5890   | 103           | 62           | 187        | 81        | 2.0          | 1.3  | 41.3 | 3.0            | 15.7          | 1.0         |               |
| MEANS                  | 6841   | 119           | 59           | 193        | 94        | 2.1          | 1.1  | 42.0 | 2.6            | 14.1          | 1.0         |               |
| MAXIMUM                | 7897   | 138           | 62           | 202        | 103       | 2.3          | 1.3  | 44.0 | 3.0            | 19.8          | 1.1         |               |
| MINIMUM                | 5890   | 103           | 57           | 181        | 81        | 1.7          | 1.0  | 39.3 | 1.3            | 6.9           | 1.0         |               |
| CHECKS (TESTIGOS):     |        |               |              |            |           |              |      |      |                |               |             |               |
| 14 TIHAMA-1            | 5741   | -             | 64           | 227        | 139       | 2.0          | 1.7  | 39.0 | 2.7            | 7.8           | 1.1         |               |
| 15 ZABID LOCAL         | 5207   | -             | 55           | 186        | 100       | 2.3          | 1.7  | 37.0 | 4.0            | 10.8          | 1.3         |               |
| CHECK MEANS            | 5474   | -             | 59           | 206        | 119       | 2.2          | 1.7  | 38.0 | 3.3            | 9.3           | 1.2         |               |
| 5% LSC                 | 1432.7 |               | 5.6          | 11.4       | 9.7       |              |      | 4.0  |                |               |             |               |
| C.V.                   | 12.9   |               | 5.6          | 3.5        | 5.9       |              |      | 5.8  |                |               |             |               |

TABLE: 173-V-84

EVT14A      YEAR 1984      YEMEN A.R.      SURDUD

CO-OPERATOR:A. KAMBAL AND A. HAZZA

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | LEAF<br>DIS. | RUST<br>1-5 SCL | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>M.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|--------------|-----------------|----------------|---------------|--------------|-----------------|---------------|
| 12 Sete Lagoas 7931 RE | 6002   | 121            | 62           | 181        | 86        | 0.0          | 0.0          | 1.8          | 1.5             | 43.0           | 2.0           | 5.2          | 2.3             | 1.0           |
| 7 Muneng 8235          | 5938   | 120            | 63           | 185        | 90        | 0.0          | 1.3          | 2.0          | 1.0             | 41.3           | 3.0           | 8.3          | 2.8             | 1.0           |
| 11 Across 8235         | 5922   | 119            | 69           | 203        | 97        | 0.0          | 1.1          | 2.0          | 1.3             | 43.0           | 3.0           | 5.9          | 1.5             | 1.0           |
| 8 Poza Rica 8235       | 5906   | 119            | 66           | 184        | 102       | 0.0          | 0.0          | 2.5          | 1.0             | 42.5           | 3.0           | 6.6          | 2.8             | 1.0           |
| 5 Ferke (1) 8235       | 5602   | 113            | 61           | 189        | 85        | 1.2          | 1.2          | 2.3          | 1.3             | 42.0           | 3.0           | 6.7          | 2.0             | 1.0           |
| 10 Tocumen (1) 8235    | 5474   | 110            | 67           | 197        | 97        | 1.2          | 0.0          | 2.0          | 1.0             | 41.0           | 3.0           | 6.0          | 2.3             | 1.0           |
| 2 Piura 8126           | 5426   | 109            | 68           | 197        | 93        | 1.1          | 0.0          | 2.5          | 1.0             | 42.5           | 2.0           | 2.9          | 1.8             | 1.0           |
| 9 Tocumen 8235         | 5266   | 106            | 66           | 188        | 91        | 0.6          | 1.9          | 2.5          | 1.0             | 41.0           | 3.0           | 8.5          | 3.3             | 1.0           |
| 4 Ferke 8235           | 5218   | 105            | 64           | 179        | 81        | 0.6          | 0.0          | 2.0          | 1.8             | 43.5           | 3.0           | 6.6          | 1.3             | 1.0           |
| 6 Capinopolis 8235     | 5186   | 105            | 64           | 181        | 83        | 1.1          | 1.7          | 2.5          | 1.3             | 43.5           | 3.0           | 6.7          | 2.5             | 0.9           |
| 13 Across 7635 RE      | 5186   | 105            | 67           | 178        | 82        | 0.6          | 1.3          | 1.8          | 1.3             | 39.5           | 3.0           | 15.1         | 2.3             | 0.9           |
| 1 Dharwar 8126         | 5026   | 101            | 68           | 199        | 92        | 1.1          | 0.5          | 2.0          | 1.3             | 43.5           | 2.0           | 8.1          | 3.3             | 0.9           |
| 3 Across 8126          | 4898   | 99             | 66           | 201        | 94        | 0.0          | 0.0          | 2.0          | 1.0             | 41.8           | 1.3           | 7.3          | 2.3             | 1.0           |
| MEANS                  | 5466   | 110            | 65           | 189        | 90        | 0.6          | 0.7          | 2.1          | 1.2             | 42.2           | 2.6           | 7.2          | 2.3             | 1.0           |
| MAXIMUM                | 6002   | 121            | 69           | 203        | 102       | 1.2          | 1.9          | 2.5          | 1.8             | 43.5           | 3.0           | 15.1         | 3.3             | 1.0           |
| MINIMUM                | 4898   | 99             | 61           | 178        | 81        | 0.0          | 0.0          | 1.8          | 1.0             | 39.5           | 1.3           | 2.9          | 1.3             | 0.9           |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |              |              |                 |                |               |              |                 |               |
| 14 TIHAMA-1            | 4962   | -              | 70           | 232        | 136       | 2.2          | 2.3          | 2.0          | 1.5             | 43.8           | 2.5           | 10.7         | 2.8             | 1.0           |
| 15 ZABID LOCAL         | 4082   | -              | 64           | 180        | 81        | 0.7          | 2.7          | 2.5          | 2.0             | 38.3           | 4.0           | 19.4         | 4.5             | 1.1           |
| CHECK MEANS            | 4522   | -              | 66           | 205        | 109       | 1.4          | 2.5          | 2.3          | 1.8             | 41.0           | 3.3           | 15.0         | 3.6             | 1.0           |
| 5% LSD                 | 1104.5 |                | 2.3          | 15.2       | 11.4      |              |              |              |                 | 3.5            |               |              |                 |               |
| C.V.                   | 14.5   |                | 2.5          | 5.6        | 8.6       |              |              |              |                 | 5.8            |               |              |                 |               |

TABLE: 174-V-84

EVT14A YEAR 1964 GA30N

LEBAMBA

CO-OPERATOR: R. RAVDAVY F.A.O.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|
| 6 Capinopolis 8235     | 4307  | 106            | 45           | 196        | 54        | 4.5          | 0.0          | 12.1        | 44.0           | 2.5          | 34.7         | 1.0           |
| 10 Tocumen (1) 8235    | 3964  | 97             | 47           | 204        | 59        | 2.3          | 1.1          | 12.6        | 43.0           | 2.5          | 44.4         | 0.9           |
| 12 Sete Lagoas 7931 RE | 3651  | 90             | 45           | 195        | 63        | 7.0          | 3.5          | 6.8         | 43.3           | 2.3          | 28.6         | 0.9           |
| 4 Ferke 9235           | 3565  | 87             | 48           | 195        | 64        | 5.7          | 1.1          | 12.5        | 44.0           | 2.8          | 38.9         | 0.9           |
| 7 Muneng 8235          | 3508  | 86             | 48           | 198        | 72        | 3.4          | 1.1          | 25.4        | 43.8           | 3.3          | 47.8         | 0.9           |
| 5 Ferke (1) 8235       | 3451  | 85             | 46           | 179        | 44        | 11.4         | 0.0          | 18.7        | 44.0           | 2.8          | 34.2         | 1.0           |
| 11 Across 8235         | 3365  | 83             | 47           | 200        | 58        | 4.6          | 3.4          | 21.4        | 43.8           | 2.8          | 37.1         | 0.9           |
| 9 Tocumen 8235         | 3308  | 81             | 46           | 201        | 67        | 8.2          | 2.4          | 23.1        | 42.5           | 2.5          | 39.7         | 0.9           |
| 1 Dharwar 8126         | 3309  | 81             | 47           | 176        | 65        | 1.1          | 0.0          | 14.1        | 43.5           | 2.3          | 43.0         | 0.9           |
| 13 Across 7635 RE      | 3194  | 78             | 47           | 214        | 75        | 4.8          | 1.2          | 19.8        | 42.0           | 3.5          | 41.2         | 0.9           |
| 2 Piura 8126           | 3194  | 78             | 48           | 174        | 61        | 2.3          | 4.6          | 18.4        | 43.8           | 2.8          | 43.6         | 0.9           |
| 3 Across 8126          | 3080  | 76             | 48           | 215        | 65        | 5.8          | 2.3          | 17.2        | 43.3           | 2.5          | 44.2         | 0.9           |
| 8 Poza Rica 8235       | 3052  | 75             | 45           | 193        | 55        | 9.3          | 2.3          | 25.9        | 43.0           | 2.8          | 31.3         | 1.0           |
| MEANS                  | 3453  | 85             | 47           | 195        | 62        | 5.4          | 1.8          | 17.6        | 43.4           | 2.7          | 39.1         | 0.9           |
| MAXIMUM                | 4307  | 106            | 48           | 215        | 75        | 11.4         | 4.6          | 25.9        | 44.0           | 3.5          | 47.8         | 1.0           |
| MINIMUM                | 3052  | 75             | 45           | 174        | 44        | 1.1          | 0.0          | 6.8         | 42.0           | 2.3          | 28.6         | 0.9           |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                |              |              |               |
| 15 NTV                 | 4078  | -              | 49           | 229        | 78        | 0.0          | 2.6          | 10.9        | 38.0           | 1.3          | 43.5         | 0.9           |
| 14 T2PB                | 3537  | -              | 53           | 234        | 81        | 0.0          | 5.4          | 16.0        | 37.0           | 1.5          | 49.8         | 0.9           |
| CHECK MEANS            | 3808  | -              | 51           | 231        | 79        | 0.0          | 4.0          | 13.5        | 37.5           | 1.4          | 46.7         | 0.9           |
| 5% LSC                 | 851.7 |                | 3.4          | 31.7       | 21.9      |              |              |             | 1.5            |              |              |               |
| C.V.                   | 17.0  |                | 5.0          | 11.1       | 24.0      |              |              |             | 2.4            |              |              |               |

TABLE: 175-V-84

EVT14A YEAR 1984 INDONESIA BONTORILI  
CO-OPERATOR: A. LAGA

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>MT | EAR<br>FT | STEM<br>LCCG | RCOT<br>LCCG | PLANTS %<br>HARV | STALK<br>ROT | MOIST<br>% |  |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|------------------|--------------|------------|--|
|                        |       |                |              |            |           |              |              |                  |              |            |  |
| 2 Piura 8126           | 3114  | 134            | 57           | 177        | 76        | 5.7          | 11.0         | 28.0             | 7.9          | 19.1       |  |
| 12 Sete Lagoas 7431 RE | 2155  | 92             | 57           | 165        | 70        | 8.0          | 2.8          | 23.8             | 12.0         | 19.6       |  |
| 6 Capinopolis 8235     | 2154  | 92             | 57           | 167        | 67        | 6.6          | 15.8         | 27.0             | 10.6         | 18.7       |  |
| 9 Tocuman 8235         | 2013  | 86             | 56           | 167        | 66        | 4.4          | 12.7         | 20.0             | 7.8          | 19.0       |  |
| 8 Poza Rica 8235       | 2012  | 86             | 56           | 167        | 71        | 5.3          | 14.4         | 27.3             | 7.2          | 19.2       |  |
| 7 Muneng 8235          | 1993  | 86             | 56           | 167        | 66        | 6.7          | 6.6          | 27.5             | 13.1         | 19.3       |  |
| 3 Across 8126          | 1960  | 84             | 57           | 186        | 76        | 9.2          | 12.9         | 27.8             | 6.9          | 18.6       |  |
| 4 Ferke 8235           | 1851  | 31             | 57           | 167        | 66        | 10.1         | 15.9         | 25.0             | 7.9          | 18.1       |  |
| 11 Across 8235         | 1758  | 75             | 57           | 174        | 70        | 9.7          | 14.4         | 29.3             | 7.8          | 20.8       |  |
| 13 Across 7435 RE      | 1673  | 72             | 57           | 156        | 55        | 10.2         | 3.5          | 13.5             | 17.1         | 17.6       |  |
| 5 Ferke (1) 8235       | 1517  | 65             | 56           | 162        | 63        | 8.5          | 14.1         | 27.8             | 9.5          | 18.3       |  |
| 10 Tocuman (1) 8235    | 1510  | 65             | 58           | 170        | 67        | 1.5          | 14.1         | 25.8             | 5.9          | 18.5       |  |
| 1 Dharwer 8126         | 1419  | 61             | 57           | 172        | 70        | 9.2          | 10.9         | 32.3             | 4.7          | 19.3       |  |
| MEANS                  | 1935  | 83             | 57           | 169        | 69        | 7.2          | 11.5         | 25.8             | 9.1          | 18.9       |  |
| MAXIMLM                | 3114  | 134            | 58           | 186        | 74        | 10.2         | 15.9         | 32.3             | 17.1         | 20.8       |  |
| MINIMLM                | 1419  | 61             | 56           | 156        | 55        | 1.5          | 2.8          | 13.5             | 4.7          | 17.6       |  |
| CHECKS (TESTIGUS):     |       |                |              |            |           |              |              |                  |              |            |  |
| 15 LOCAL CHECK 2       | 2370  | -              | 56           | 196        | 83        | 11.4         | 7.3          | 29.8             | 5.9          | 18.7       |  |
| 14 LOCAL CHECK 1       | 1555  | -              | 57           | 182        | 84        | 23.8         | 14.4         | 26.3             | 8.5          | 17.1       |  |
| CHECK MEANS            | 1993  | -              | 56           | 183        | 83        | 17.6         | 10.8         | 28.0             | 7.2          | 17.9       |  |
| 5% LSC                 | 507.8 |                | 1.5          | 11.1       | 9.1       |              |              | 9.2              |              | 1.9        |  |
| C.V.                   | 35.6  |                | 1.9          | 4.6        | 3.1       |              |              | 24.7             |              | 7.2        |  |

TABLE: 176-V-84

EVT14A YEAR 1984 INDONESIA MUNENG  
CO-OPERATOR: DR. GAHLAN

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | EAR<br>BORER<br>% | STEM<br>LOGG | ROOT<br>LOGG | RUST<br>1-5 | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | BORER<br>% | DM<br>% | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|-------------------|--------------|--------------|-------------|----------------|---------------|-----------------|------------|---------|------------|
| 2 Piura 8126           | 6190  | 94             | 55           | 193        | 99        | 45.4              | 1.9          | 7.0          | 1.8         | 39.8           | 2.0           | 2.0             | 3.8        | 25.2    | 30.2       |
| 3 Across 8126          | 6052  | 92             | 55           | 189        | 96        | 42.7              | 1.2          | 1.2          | 2.3         | 41.0           | 2.0           | 2.3             | 2.5        | 14.0    | 32.0       |
| 12 Sete Lagoas 7931 RE | 5851  | 89             | 54           | 184        | 93        | 49.1              | 0.0          | 3.5          | 2.8         | 40.3           | 2.0           | 2.0             | 5.0        | 22.3    | 32.2       |
| 4 Ferke 8235           | 5737  | 87             | 55           | 186        | 92        | 39.3              | 2.0          | 6.5          | 2.0         | 37.8           | 2.0           | 2.3             | 6.4        | 30.1    | 29.3       |
| 1 Dharwar 8126         | 5584  | 85             | 55           | 182        | 91        | 49.2              | 0.6          | 1.7          | 2.3         | 41.0           | 2.0           | 2.0             | 6.7        | 17.9    | 33.9       |
| 9 Tocumen 8235         | 5556  | 84             | 54           | 186        | 93        | 40.3              | 0.0          | 8.1          | 2.0         | 36.3           | 2.3           | 2.0             | 7.5        | 25.5    | 30.7       |
| 11 Across 8235         | 5556  | 84             | 55           | 189        | 96        | 43.2              | 0.6          | 8.2          | 2.0         | 37.5           | 2.0           | 2.0             | 5.2        | 36.0    | 34.0       |
| 5 Ferke (1) 8235       | 5526  | 84             | 54           | 183        | 84        | 35.0              | 0.6          | 8.9          | 2.0         | 39.5           | 2.0           | 2.0             | 9.4        | 20.5    | 31.9       |
| 10 Tocumen (1) 8235    | 5425  | 82             | 55           | 191        | 101       | 35.6              | 1.2          | 4.9          | 2.0         | 38.5           | 2.0           | 1.5             | 2.5        | 26.3    | 36.6       |
| 7 Muneng 8235          | 5270  | 80             | 54           | 187        | 90        | 37.4              | 1.2          | 11.4         | 2.0         | 38.5           | 2.0           | 2.3             | 6.3        | 30.1    | 31.1       |
| 6 Capinopolis 8235     | 5253  | 80             | 54           | 185        | 92        | 27.0              | 2.0          | 8.5          | 2.0         | 38.5           | 2.0           | 2.0             | 3.9        | 22.1    | 31.5       |
| 8 Poza Rica 8235       | 5251  | 80             | 53           | 182        | 93        | 42.4              | 0.0          | 1.9          | 2.3         | 37.5           | 2.0           | 2.0             | 4.4        | 30.3    | 32.6       |
| 13 Across 7635 RE      | 4997  | 76             | 55           | 185        | 89        | 47.3              | 4.0          | 3.4          | 2.0         | 35.3           | 2.3           | 2.0             | 4.7        | 48.9    | 32.0       |
| MEANS                  | 5557  | 85             | 54           | 186        | 93        | 41.1              | 1.2          | 5.8          | 2.1         | 38.6           | 2.0           | 2.0             | 5.3        | 26.9    | 32.1       |
| MAXIMUM                | 6190  | 94             | 55           | 193        | 101       | 49.2              | 4.0          | 11.4         | 2.8         | 41.0           | 2.3           | 2.3             | 9.4        | 48.9    | 36.6       |
| MINIMUM                | 4997  | 76             | 53           | 182        | 84        | 27.0              | 0.0          | 1.2          | 1.8         | 35.3           | 2.0           | 1.5             | 2.5        | 14.0    | 29.3       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |                   |              |              |             |                |               |                 |            |         |            |
| 14 LOCAL CHECK 1       | 6576  | -              | 56           | 195        | 100       | 39.2              | 1.7          | 1.7          | 2.0         | 44.0           | 2.3           | 2.0             | 5.7        | 0.4     | 29.1       |
| 15 LOCAL CHECK 2       | 5792  | -              | 53           | 188        | 96        | 44.3              | 2.3          | 2.9          | 3.0         | 43.3           | 2.0           | 2.8             | 2.3        | 0.4     | 26.8       |
| CHECK MEANS            | 6184  | -              | 54           | 191        | 98        | 41.8              | 2.0          | 2.3          | 2.5         | 43.6           | 2.1           | 2.4             | 4.0        | 0.4     | 28.0       |
| 5% LSD                 | 867.1 |                | 1.0          | 9.0        | 7.1       |                   |              |              |             | 4.1            |               |                 |            |         |            |
| C.V.                   | 10.8  |                | 1.3          | 3.4        | 5.3       |                   |              |              |             | 7.3            |               |                 |            |         |            |



TABLE: 177-V-84

EVT14A YEAR 1984 VIETNAM HUNG LOC  
 CO-OPERATOR:VD DINH LONG, PHAM HUY TRUNG

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | %EAR<br>RDT | HUSK<br>CCVER | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|-------------|---------------|----------------|--------------|-----------------|---------------|------------|
| 3 Across 8126          | 4484  | 110            | 46           | 216        | 98        | 2.0         | 2.5           | 42.3           | 1.5          | 1.8             | 0.9           | 28.7       |
| 4 Ferke 8235           | 4262  | 104            | 48           | 184        | 91        | 2.9         | 2.3           | 41.0           | 2.0          | 1.8             | 0.9           | 32.0       |
| 1 Dharwar 8126         | 4190  | 102            | 47           | 169        | 86        | 2.6         | 2.3           | 42.8           | 2.3          | 1.5             | 0.9           | 30.9       |
| 10 Tocumen (1) 8235    | 4181  | 102            | 48           | 193        | 97        | 4.1         | 2.3           | 42.0           | 2.0          | 1.5             | 0.9           | 32.2       |
| 9 Tocumen 8235         | 4149  | 101            | 47           | 182        | 81        | 3.5         | 1.8           | 41.8           | 2.0          | 2.0             | 0.9           | 30.4       |
| 13 Across 7635 RE      | 4101  | 100            | 46           | 182        | 79        | 3.6         | 2.0           | 41.5           | 2.0          | 1.8             | 0.8           | 29.4       |
| 5 Ferke (1) 8235       | 4099  | 100            | 47           | 183        | 82        | 3.4         | 2.5           | 43.0           | 2.0          | 1.5             | 0.9           | 31.7       |
| 7 Muneng 8235          | 4039  | 99             | 47           | 195        | 85        | 6.2         | 2.0           | 43.0           | 2.8          | 2.0             | 0.9           | 27.1       |
| 11 Across 8235         | 3985  | 97             | 48           | 175        | 80        | 0.9         | 2.8           | 41.0           | 2.0          | 1.5             | 0.9           | 33.0       |
| 2 Piura 8126           | 3983  | 97             | 48           | 182        | 87        | 5.1         | 2.5           | 43.3           | 1.3          | 2.0             | 0.9           | 31.3       |
| 6 Capinopolis 8235     | 3677  | 90             | 48           | 185        | 83        | 2.7         | 2.0           | 42.0           | 2.3          | 1.8             | 0.9           | 32.6       |
| 12 Sete Lagoas 7931 RE | 3136  | 77             | 48           | 164        | 64        | 4.1         | 2.8           | 39.3           | 2.0          | 2.8             | 0.9           | 29.2       |
| 8 Poza Rica 8235       | 3114  | 76             | 47           | 169        | 77        | 8.2         | 2.8           | 42.8           | 2.3          | 3.0             | 0.7           | 30.3       |
| MEANS                  | 3954  | 97             | 47           | 183        | 84        | 3.8         | 2.3           | 42.0           | 2.0          | 1.9             | 0.9           | 30.7       |
| MAXIMUM                | 4484  | 110            | 48           | 216        | 98        | 8.2         | 2.8           | 43.3           | 2.8          | 3.0             | 0.9           | 33.0       |
| MINIMUM                | 3114  | 76             | 46           | 164        | 64        | 0.9         | 1.8           | 39.3           | 1.3          | 1.5             | 0.7           | 27.1       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |             |               |                |              |                 |               |            |
| 15 NHA HO COMPOSITE    | 4093  | -              | 49           | 197        | 93        | 0.0         | 2.0           | 35.5           | 2.0          | 1.5             | 1.0           | 30.9       |
| 14 EARLY THAI CDPP.    | 4074  | -              | 47           | 200        | 107       | 1.5         | 2.3           | 36.5           | 1.8          | 1.8             | 1.0           | 30.4       |
| CHECK MEANS            | 4084  | -              | 48           | 198        | 99        | 0.7         | 2.1           | 36.0           | 1.9          | 1.6             | 1.0           | 30.7       |
| 5% LSD                 | 875.8 |                | 1.6          | 22.0       | 19.7      |             |               | 4.2            |              |                 |               | 4.2        |
| C.V.                   | 15.5  |                | 2.3          | 8.4        | 16.1      |             |               | 7.1            |              |                 |               | 9.5        |

TABLE: 178-V-84

EVT14A YEAR 1984 VIETNAM HO-CHI-MINH CITY

CO-OPERATOR:VO DINH LONG, PHAN THUONG TRINH

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LOGG | %EAR<br>RGT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 12 Sete Lagoas 7931 RE | 3339  | 100            | 52           | 158        | 63        | 1.8          | 0.0          | 2.5         | 2.0          | 41.3           | 2.0          | 3.0          | 2.5             | 1.0           | 34.7       |
| 3 Across 8126          | 3312  | 99             | 53           | 163        | 70        | 6.0          | 0.0          | 1.2         | 2.0          | 42.0           | 1.3          | 3.1          | 2.0             | 0.9           | 36.5       |
| 9 Tocumen 8235         | 3273  | 98             | 52           | 158        | 64        | 4.9          | 0.0          | 5.6         | 2.3          | 40.5           | 2.0          | 1.9          | 2.5             | 1.0           | 36.9       |
| 6 Capinopolis 8235     | 3253  | 97             | 52           | 159        | 64        | 3.8          | 0.0          | 2.4         | 1.3          | 41.0           | 1.8          | 3.0          | 2.3             | 1.0           | 34.3       |
| 8 Poza Rica 8235       | 3156  | 94             | 51           | 158        | 64        | 4.5          | 0.6          | 2.9         | 2.3          | 41.5           | 2.8          | 4.3          | 3.0             | 1.0           | 35.3       |
| 10 Tocumen (1) 8235    | 3097  | 93             | 54           | 155        | 64        | 4.2          | 1.2          | 0.6         | 2.3          | 41.3           | 2.0          | 2.4          | 2.5             | 1.0           | 34.8       |
| 2 Piura 8126           | 3062  | 92             | 52           | 161        | 68        | 1.2          | 1.1          | 4.3         | 2.5          | 42.8           | 2.3          | 2.4          | 2.3             | 0.9           | 38.7       |
| 11 Across 8235         | 3009  | 90             | 53           | 163        | 68        | 3.0          | 1.9          | 2.6         | 2.0          | 40.3           | 2.0          | 1.9          | 2.3             | 1.0           | 35.9       |
| 1 Dharwar 8126         | 2987  | 89             | 53           | 151        | 69        | 5.5          | 0.0          | 0.6         | 2.3          | 42.0           | 1.8          | 2.4          | 1.5             | 0.9           | 34.1       |
| 13 Across 7635 RE      | 2899  | 87             | 52           | 158        | 63        | 9.3          | 1.5          | 3.4         | 2.8          | 37.8           | 2.5          | 2.7          | 2.3             | 0.9           | 33.6       |
| 5 Ferke (1) 8235       | 2844  | 85             | 52           | 153        | 61        | 5.6          | 0.6          | 6.3         | 3.3          | 40.5           | 3.3          | 3.3          | 2.5             | 0.9           | 36.6       |
| 7 Muneng 8235          | 2795  | 84             | 51           | 154        | 60        | 8.0          | 0.6          | 2.5         | 2.5          | 39.5           | 2.8          | 3.3          | 2.5             | 1.0           | 35.0       |
| 4 Ferke 8235           | 2616  | 78             | 54           | 155        | 60        | 10.5         | 0.0          | 8.2         | 3.5          | 39.0           | 2.5          | 3.3          | 2.5             | 0.9           | 38.8       |
| MEANS                  | 3049  | 91             | 52           | 157        | 64        | 5.3          | 0.6          | 3.3         | 2.4          | 40.7           | 2.2          | 2.8          | 2.3             | 1.0           | 35.8       |
| MAXIMUM                | 3339  | 100            | 54           | 163        | 70        | 10.5         | 1.9          | 8.2         | 3.5          | 42.8           | 3.3          | 4.3          | 3.0             | 1.0           | 38.8       |
| MINIMUM                | 2616  | 78             | 51           | 151        | 60        | 1.2          | 0.0          | 0.6         | 1.3          | 37.8           | 1.3          | 1.9          | 1.5             | 0.9           | 33.6       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |                |              |              |                 |               |            |
| 14 EARLY THAI COMP     | 3341  | -              | 52           | 173        | 76        | 0.0          | 1.8          | 1.3         | 1.3          | 40.8           | 1.8          | 3.2          | 2.3             | 1.0           | 34.9       |
| 15 A1                  | 1749  | -              | 52           | 175        | 84        | 0.0          | 1.8          | 2.5         | 1.0          | 18.5           | 2.3          | 10.0         | 2.3             | 0.9           | 38.9       |
| CHECK MEANS            | 2545  | -              | 51           | 173        | 80        | 0.0          | 1.8          | 1.9         | 1.1          | 29.6           | 2.0          | 6.6          | 2.3             | 0.9           | 36.9       |
| 5% LSD                 | 853.6 |                | 0.8          | 9.0        | 9.2       |              |              |             |              | 3.8            |              |              |                 |               | 2.9        |
| C.V.                   | 20.1  |                | 1.0          | 4.0        | 9.7       |              |              |             |              | 6.8            |              |              |                 |               | 5.7        |

TABLE: 179-V-84

YEAR: 1984

TRIAL: EVT14A  
MEANS ACROSS 43 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION | REGION                |              |               |              |              | OVER ALL       |              |        |      |
|--------------------|-------------------|-----------------------|--------------|---------------|--------------|--------------|----------------|--------------|--------|------|
|                    |                   | I<br>KG./HA           | II<br>KG./HA | III<br>KG./HA | IV<br>KG./HA | VI<br>KG./HA | DAYS<br>FLOWER | PLANT<br>HT. | KG./HA |      |
| 3 Across           | 8126              | Mazcla Amarilla       | 5507         | 5812          | 6183         | 3770         | 3569           | 57           | 194    | 4952 |
| 2 Piura            | 8126              | Mezcla Amarilla       | 5421         | 5611          | 6000         | 3404         | 3412           | 58           | 192    | 4805 |
| 1 Dharwar          | 8126              | Mezcla Amarilla       | 5492         | 5593          | 5854         | 3514         | 3228           | 59           | 183    | 4753 |
| 11 Across          | 8235              | Ant. Rep. Dom.        | 5242         | 5738          | 6037         | 3619         | 3089           | 58           | 192    | 4743 |
| 12 Sete Lagoas     | 7931 RE           | Amerillo Cristalino-2 | 5304         | 5528          | 6622         | 3427         | 3248           | 57           | 181    | 4699 |
| 10 Tucumen (1)     | 8235              | Ant. Rep. Dom.        | 5060         | 5448          | 5991         | 3729         | 3161           | 58           | 190    | 4634 |
| 5 Ferke (1)        | 8235              | Ant. Rep. Dom.        | 5209         | 5371          | 5982         | 3619         | 3189           | 56           | 182    | 4628 |
| 4 Ferke            | 8235              | Ant. Rep. Dom.        | 5068         | 5463          | 5854         | 3572         | 3154           | 58           | 184    | 4601 |
| 6 Capinopolis      | 8235              | Ant. Rep. Dom.        | 5045         | 5305          | 6110         | 3696         | 3227           | 57           | 187    | 4592 |
| 7 Muneng           | 8235              | Ant. Rep. Dom.        | 5129         | 5398          | 6210         | 3473         | 3059           | 57           | 189    | 4576 |
| 8 Poza Rica        | 8235              | Ant. Rep. Dom.        | 4856         | 5332          | 6512         | 3445         | 2935           | 57           | 180    | 4471 |
| 9 Tucumen          | 8235              | Ant. Rep. Dom.        | 4672         | 5182          | 5872         | 3369         | 3060           | 57           | 185    | 4350 |
| 13 Across          | 7635 RE           | Ant. Rep. Dom.        | 4826         | 5160          | 5488         | 3326         | 2965           | 57           | 182    | 4342 |
| Mean               |                   |                       | 5158         | 5457          | 6055         | 3536         | 3177           | 57           | 186    | 4627 |
| No of Locations    |                   |                       | 11           | 14            | 2            | 9            | 7              | 38           | 40     | 43   |

Region I= South America  
 II= North, Central America and the Caribbean  
 III= Mideast  
 IV= West Africa  
 VI= Asia

TABLE: 180-V-84

EVT148 YEAR 1984 BOLIVIA ISOPEREND4  
 CO-OPERATOR: ALBERTO MINOJOSA PADILLA, CORDECH

| ENTRY NO./PEDIGREE      | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | FAR<br>HT | STEM<br>LOGG | RCCT<br>LOGG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 6 Los Banos(1) 8232     | 9839   | 116            | 65           | 225        | 120       | 0.0          | 0.0          | 6.7         | 42.8           | 1.3           | 1.0             | 1.2           | 24.7       |
| 1 Ferke (1) 8222        | 9240   | 109            | 66           | 225        | 120       | 1.3          | 0.7          | 10.4        | 39.0           | 1.3           | 1.0             | 1.3           | 22.8       |
| 5 Los Banos 8232        | 9062   | 107            | 67           | 226        | 123       | 0.0          | 0.0          | 7.0         | 38.5           | 1.0           | 1.0             | 1.4           | 23.5       |
| 7 Poza Rica 8232        | 9037   | 106            | 67           | 215        | 110       | 0.0          | 0.0          | 6.2         | 36.8           | 1.3           | 1.0             | 1.3           | 23.4       |
| 8 San Jeronimo 8232     | 8921   | 105            | 65           | 205        | 105       | 0.7          | 0.0          | 2.7         | 35.8           | 1.0           | 1.0             | 1.4           | 22.9       |
| 10 Gandajika 9149       | 8545   | 102            | 64           | 173        | 85        | 1.8          | 0.0          | 6.3         | 42.3           | 2.0           | 1.5             | 1.1           | 22.9       |
| 9 Ikenne (1) 8149       | 8526   | 101            | 65           | 195        | 95        | 1.5          | 0.0          | 6.3         | 41.3           | 2.0           | 1.5             | 1.2           | 22.6       |
| 11 Pirsabak (1) 7930RE  | 6012   | 94             | 60           | 195        | 93        | 0.0          | 0.0          | 10.7        | 41.8           | 1.3           | 1.5             | 1.2           | 21.3       |
| 4 Across 8130           | 7900   | 93             | 63           | 210        | 113       | 0.0          | 0.0          | 12.5        | 39.3           | 1.8           | 1.5             | 1.2           | 20.2       |
| 3 Kolhapur 8130         | 7799   | 92             | 62           | 205        | 100       | 0.6          | 0.0          | 15.8        | 38.5           | 1.8           | 1.3             | 1.2           | 20.2       |
| 12 Los Diamantes 7823RE | 7713   | 91             | 65           | 213        | 115       | 0.7          | 0.0          | 12.9        | 33.8           | 2.5           | 1.3             | 1.6           | 23.9       |
| 2 Poza Rica 8223        | 7709   | 91             | 66           | 220        | 115       | 0.0          | 0.0          | 5.1         | 36.5           | 1.3           | 1.3             | 1.2           | 22.9       |
| MEANS                   | 9540   | 101            | 65           | 209        | 108       | 0.6          | 0.1          | 8.6         | 38.9           | 1.5           | 1.2             | 1.3           | 22.6       |
| MAXIMLM                 | 9839   | 116            | 65           | 225        | 120       | 1.3          | 0.7          | 15.8        | 42.8           | 2.5           | 1.5             | 1.6           | 24.7       |
| MINIMLM                 | 7709   | 91             | 60           | 173        | 85        | 0.0          | 0.0          | 2.7         | 33.8           | 1.0           | 1.0             | 1.1           | 20.2       |
| CHECKS (TESTIGGS):      |        |                |              |            |           |              |              |             |                |               |                 |               |            |
| 13 ETC BLANCO IBCP.     | 8487   | -              | 67           | 203        | 103       | 2.9          | 0.7          | 7.0         | 33.0           | 1.5           | 1.3             | 1.3           | 23.3       |
| 14 T.P. 13 IBCP.        | 8433   | -              | 69           | 250        | 150       | 1.1          | 0.6          | 3.2         | 40.3           | 1.8           | 1.0             | 1.2           | 25.1       |
| CHECK MEANS             | 8460   | -              | 67           | 224        | 126       | 2.0          | 0.6          | 5.1         | 36.6           | 1.6           | 1.1             | 1.2           | 24.7       |
| 5% LSC                  | 1943.0 |                | 1.6          | 27.4       | 22.1      |              |              |             | 5.1            |               |                 |               | 2.6        |
| C.V.                    | 13.9   |                | 1.7          | 9.1        | 14.0      |              |              |             | 9.2            |               |                 |               | 9.0        |

TABLE: 181-V-84

EVT14B YEAR 1984 MEXICO CD. OREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR COTA, INIA-CIANG

| ENTRY NO./PEDIGREE      | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|-------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|---------------|------------|
| 1 Ferke (1) 8223        | 7722  | 117            | 80           | 226        | 118       | 0.0          | 3.5          | 0.0         | 43.3           | 4.1           | 34.6         | 1.0           | 17.2       |
| 2 Poza Rica 8223        | 7592  | 115            | 78           | 190        | 109       | 0.0          | 3.5          | 0.0         | 43.0           | 4.3           | 28.3         | 1.0           | 14.7       |
| 12 Los Diamantes 7823RE | 7497  | 114            | 79           | 231        | 123       | 0.0          | 6.8          | 0.0         | 43.5           | 4.0           | 30.8         | 1.2           | 16.3       |
| 8 San Jeronimo 8232     | 7441  | 113            | 81           | 224        | 124       | 0.6          | 7.0          | 1.0         | 43.3           | 3.9           | 10.7         | 1.2           | 16.9       |
| 7 Poza Rica 8232        | 7320  | 111            | 81           | 224        | 120       | 0.0          | 1.1          | 0.0         | 43.3           | 4.1           | 11.3         | 1.1           | 18.3       |
| 6 Los Banos(1) 8232     | 7268  | 110            | 80           | 218        | 125       | 0.0          | 4.6          | 1.0         | 43.5           | 4.1           | 16.1         | 1.1           | 19.6       |
| 5 Los Banos 8232        | 7022  | 107            | 82           | 225        | 121       | 0.6          | 12.5         | 0.6         | 43.8           | 3.9           | 13.0         | 1.0           | 17.1       |
| 9 Ikenne (1) 8149       | 6743  | 102            | 72           | 138        | 95        | 0.7          | 2.3          | 0.0         | 40.3           | 4.0           | 11.2         | 1.1           | 15.0       |
| 4 Across 8130           | 6679  | 101            | 68           | 210        | 113       | 0.0          | 3.5          | 0.0         | 43.5           | 3.6           | 15.5         | 1.0           | 14.9       |
| 10 Gandajika 8149       | 6659  | 101            | 72           | 190        | 93        | 0.0          | 0.6          | 0.6         | 40.0           | 3.8           | 23.5         | 1.1           | 15.4       |
| 3 Kolhapur 8130         | 6589  | 100            | 68           | 223        | 115       | 2.3          | 8.0          | 1.5         | 44.0           | 3.5           | 11.9         | 1.1           | 14.1       |
| 11 Pirsabak (1) 7930RE  | 6470  | 98             | 65           | 205        | 100       | 1.1          | 4.5          | 1.8         | 43.3           | 3.5           | 17.7         | 1.1           | 14.4       |
| MEANS                   | 7083  | 106            | 75           | 213        | 113       | 0.4          | 4.8          | 0.5         | 42.9           | 3.9           | 18.7         | 1.1           | 16.1       |
| MAXIMUM                 | 7722  | 117            | 82           | 231        | 125       | 2.3          | 12.5         | 1.8         | 44.0           | 4.3           | 34.6         | 1.2           | 19.6       |
| MINIMUM                 | 6470  | 98             | 65           | 188        | 93        | 0.0          | 0.6          | 0.0         | 40.0           | 3.5           | 10.7         | 1.0           | 14.1       |
| CHECKS (TESTIGOS):      |       |                |              |            |           |              |              |             |                |               |              |               |            |
| 14 V-424                | 6582  | -              | 72           | 171        | 81        | 0.0          | 0.7          | 0.6         | 38.0           | 3.8           | 11.8         | 1.1           | 15.4       |
| 13 OB. SEQ. 8249        | 6158  | -              | 72           | 178        | 91        | 0.0          | 3.6          | 0.0         | 41.0           | 3.5           | 18.3         | 1.1           | 15.6       |
| CHECK MEANS             | 6370  | -              | 72           | 174        | 86        | 0.0          | 2.2          | 0.3         | 39.5           | 3.6           | 15.0         | 1.1           | 15.5       |
| 5% LSD                  | 671.8 |                | 2.9          | 22.2       | 17.3      |              |              |             | 2.2            |               |              |               | 1.6        |
| C.V.                    | 6.7   |                | 2.7          | 7.5        | 11.1      |              |              |             | 3.6            |               |              |               | 6.8        |

TABLE: 182-V-84

EVT148 YEAR 1984 MEXICO CONCORDIA, SIN.  
CO-OPERATOR:MC. OSCAR PALACIOS VELARDE

| ENTRY NO./PEDIGREE      | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|----------------|---------------|-----------------|---------------|------------|
| 1 Ferke (1) 8223        | 5437  | 113            | 51           | 192        | 96        | 2.8          | 3.5          | 11.7        | 2.0           | 42.5           | 2.5           | 2.5             | 1.0           | 26.8       |
| 6 Los Banos(1) 8232     | 5378  | 112            | 54           | 204        | 105       | 4.4          | 0.7          | 10.9        | 2.0           | 41.3           | 2.5           | 2.8             | 1.0           | 28.2       |
| 2 Poza Rica 8223        | 5331  | 111            | 52           | 192        | 95        | 2.3          | 1.2          | 5.6         | 2.0           | 42.5           | 2.3           | 2.5             | 0.9           | 26.7       |
| 12 Los Diamantes 7823RE | 5330  | 111            | 51           | 198        | 98        | 0.0          | 0.0          | 6.3         | 2.8           | 43.8           | 2.8           | 2.0             | 0.9           | 26.5       |
| 5 Los Banos 8232        | 5308  | 111            | 53           | 205        | 101       | 1.1          | 0.6          | 8.4         | 2.5           | 41.0           | 2.3           | 2.8             | 1.0           | 28.0       |
| 7 Poza Rica 8232        | 5156  | 108            | 54           | 202        | 99        | 2.3          | 0.0          | 10.3        | 2.0           | 43.0           | 2.5           | 2.5             | 1.0           | 27.6       |
| 4 Across 8130           | 5148  | 107            | 45           | 195        | 92        | 2.4          | 0.0          | 6.7         | 2.0           | 41.8           | 2.8           | 2.3             | 1.0           | 22.1       |
| 8 San Jeronimo 8232     | 4983  | 104            | 52           | 203        | 108       | 2.6          | 1.9          | 8.8         | 2.3           | 41.0           | 3.0           | 2.8             | 0.9           | 27.7       |
| 9 Ikenne (1) 8149       | 4900  | 102            | 48           | 164        | 79        | 7.0          | 1.7          | 10.4        | 1.8           | 43.0           | 3.0           | 2.5             | 0.9           | 26.8       |
| 10 Gandajika 8149       | 4590  | 96             | 48           | 150        | 69        | 3.6          | 0.6          | 9.6         | 2.8           | 42.0           | 2.8           | 3.0             | 1.0           | 28.0       |
| 3 Kolhapur 8130         | 4048  | 84             | 46           | 188        | 89        | 3.7          | 3.0          | 13.0        | 2.5           | 42.0           | 2.8           | 2.8             | 0.9           | 21.2       |
| 11 Pirsabak (1) 7930RE  | 3543  | 74             | 45           | 175        | 83        | 4.8          | 1.3          | 20.0        | 2.3           | 41.8           | 3.5           | 3.5             | 0.9           | 21.0       |
| MEANS                   | 4929  | 103            | 50           | 189        | 93        | 3.1          | 1.2          | 10.1        | 2.2           | 42.1           | 2.7           | 2.6             | 0.9           | 25.9       |
| MAXIMUM                 | 5437  | 113            | 54           | 205        | 108       | 7.0          | 3.5          | 20.0        | 2.8           | 43.8           | 3.5           | 3.5             | 1.0           | 28.2       |
| MINIMUM                 | 3543  | 74             | 45           | 150        | 69        | 0.0          | 0.0          | 5.6         | 1.8           | 41.0           | 2.3           | 2.0             | 0.9           | 21.0       |
| CHECKS (TESTIGOS):      |       |                |              |            |           |              |              |             |               |                |               |                 |               |            |
| 13 V-425                | 4795  | -              | 48           | 196        | 94        | 6.2          | 1.4          | 10.1        | 2.3           | 39.3           | 1.8           | 2.8             | 0.9           | 27.0       |
| 14 V-424                | 4751  | -              | 48           | 151        | 69        | 3.0          | 0.0          | 17.9        | 2.0           | 41.5           | 2.3           | 2.0             | 1.0           | 26.6       |
| CHECK MEANS             | 4773  | -              | 47           | 173        | 81        | 4.6          | 0.7          | 14.0        | 2.1           | 40.4           | 2.0           | 2.4             | 0.9           | 26.8       |
| 5% LSD                  | 764.5 |                | 2.3          | 14.6       | 12.3      |              |              |             |               | 2.8            |               |                 |               | 2.5        |
| C.V.                    | 10.9  |                | 3.2          | 5.5        | 9.4       |              |              |             |               | 4.7            |               |                 |               | 6.8        |

TABLE: 183-V-84

EVT148 YEAR 1984 ST. KITTS MANSION  
 CO-OPERATOR: S. CROSSMAN, N.A.C.O.

| ENTRY NO./PEDIGREE      | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | HELM<br>MAYD | PLANTS<br>HARV | %BAD<br>H.C. | EARS/<br>PLNT |
|-------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|--------------|----------------|--------------|---------------|
| 8 San Jeronimo 8232     | 11465  | 210            | 70           | 163        | 67        | 0.6          | 0.0          | 2.0          | 43.3           | 0.5          | 1.1           |
| 10 Gandajika 8149       | 11390  | 209            | 66           | 135        | 52        | 0.0          | 0.0          | 1.5          | 42.8           | 1.2          | 1.0           |
| 7 Poza Rica 8232        | 11380  | 209            | 71           | 157        | 63        | 0.0          | 0.0          | 2.0          | 43.0           | 3.5          | 1.0           |
| 6 Los Banos(1) 8232     | 11009  | 202            | 72           | 156        | 68        | 0.0          | 1.2          | 1.5          | 41.5           | 2.0          | 1.0           |
| 2 Poza Rica 8223        | 10866  | 199            | 71           | 153        | 68        | 0.0          | 0.0          | 2.3          | 43.5           | 1.7          | 1.0           |
| 1 Ferke (1) 8223        | 10638  | 195            | 70           | 150        | 70        | 0.0          | 0.0          | 2.5          | 43.5           | 3.7          | 0.9           |
| 9 Ikenne (1) 8149       | 10610  | 195            | 64           | 114        | 45        | 0.0          | 0.0          | 1.8          | 42.0           | 2.0          | 1.1           |
| 5 Los Banos 8232        | 10524  | 193            | 70           | 172        | 72        | 0.0          | 0.0          | 1.8          | 44.0           | 0.6          | 1.0           |
| 4 Across 8130           | 10467  | 192            | 64           | 160        | 61        | 0.6          | 0.0          | 1.5          | 43.8           | 0.5          | 1.0           |
| 12 Los Diamantes 7823RE | 9640   | 177            | 71           | 159        | 72        | 0.0          | 0.0          | 2.0          | 43.3           | 0.6          | 0.9           |
| 3 Kolhapur 8130         | 9497   | 174            | 64           | 144        | 51        | 0.0          | 0.0          | 1.5          | 42.5           | 1.2          | 1.0           |
| 11 Pirsapak (1) 7930RE  | 9383   | 172            | 64           | 138        | 48        | 0.0          | 0.0          | 2.3          | 42.5           | 5.5          | 1.0           |
| MEANS                   | 10572  | 194            | 68           | 150        | 61        | 0.1          | 0.1          | 1.9          | 43.0           | 1.9          | 1.0           |
| MAXIMUM                 | 11465  | 210            | 72           | 172        | 72        | 0.6          | 1.2          | 2.5          | 44.0           | 5.5          | 1.1           |
| MINIMUM                 | 9383   | 172            | 64           | 114        | 45        | 0.0          | 0.0          | 1.5          | 41.5           | 0.5          | 0.9           |
| CHECKS (TESTIGOS):      |        |                |              |            |           |              |              |              |                |              |               |
| 13 NEVIS LOCAL          | 5447   | -              | 77           | 138        | 56        | 1.5          | 1.8          | 1.5          | 24.3           | 1.8          | 0.8           |
| CHECK MEANS             | 5447   | -              | 76           | 138        | 56        | 1.5          | 1.8          | 1.5          | 24.3           | 1.8          | 0.8           |
| 5% LSD                  | 1776.4 |                | 2.4          | 15.4       | 10.4      |              |              |              | 3.7            |              |               |
| C.V.                    | 12.2   |                | 2.4          | 7.2        | 11.9      |              |              |              | 6.3            |              |               |

TABLE: 184-V-84

EVT148 YEAR 1984 ST. KITTS NEEDSMUST  
 CO-OPERATOR: STAFFORD CROSSMAN, NACO

| ENTRY NO./PEDIGREE      | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | ROOT<br>LDDG | %EAR<br>ROT | HELM<br>MAYD | SPODD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|-------------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|--------------|-------|----------------|--------------|--------------|-----------------|---------------|
| 8 San Jeronimo 8232     | 10496  | 198            | 67           | 112        | 50        | 1.8          | 1.1         | 4.0          | 2.8   | 42.3           | 2.5          | 7.0          | 1.9             | 1.0           |
| 6 Los Banos(1) 8232     | 10467  | 197            | 69           | 114        | 47        | 1.2          | 0.5         | 3.5          | 2.8   | 42.5           | 3.0          | 9.6          | 2.0             | 1.1           |
| 7 Poza Rica 8232        | 9982   | 188            | 69           | 106        | 42        | 0.6          | 2.9         | 3.3          | 3.0   | 42.5           | 2.8          | 9.1          | 2.3             | 1.0           |
| 2 Poza Rica 8223        | 9640   | 182            | 69           | 110        | 51        | 0.0          | 2.3         | 2.5          | 2.5   | 41.8           | 2.8          | 14.2         | 2.3             | 1.0           |
| 1 Ferke (1) 8223        | 9583   | 181            | 69           | 113        | 47        | 0.6          | 1.2         | 2.5          | 2.5   | 42.0           | 3.0          | 14.1         | 2.3             | 1.0           |
| 12 Los Diamantes 7823RE | 9383   | 177            | 66           | 114        | 50        | 0.6          | 2.1         | 3.3          | 2.8   | 43.0           | 2.8          | 23.6         | 2.3             | 1.1           |
| 9 Ikenne (1) 8149       | 9355   | 176            | 64           | 87         | 30        | 0.0          | 0.6         | 3.0          | 2.5   | 41.8           | 3.0          | 9.3          | 2.8             | 1.0           |
| 5 Los Banos 8232        | 9013   | 170            | 68           | 118        | 55        | 0.6          | 3.0         | 3.3          | 3.0   | 42.8           | 2.5          | 8.0          | 2.0             | 1.0           |
| 10 Gandajika 3149       | 8471   | 160            | 65           | 90         | 32        | 0.6          | 0.6         | 4.0          | 3.0   | 39.5           | 3.0          | 5.5          | 2.8             | 1.0           |
| 3 Kolhapur 8130         | 8128   | 153            | 62           | 106        | 46        | 1.2          | 5.5         | 3.3          | 2.8   | 43.3           | 3.0          | 14.0         | 2.8             | 1.0           |
| 4 Across 8130           | 7300   | 149            | 62           | 106        | 48        | 2.3          | 6.3         | 3.5          | 3.0   | 42.8           | 3.0          | 10.4         | 2.5             | 1.0           |
| 11 Pirsabak (1) 7930RE  | 6702   | 126            | 61           | 99         | 37        | 1.8          | 4.4         | 3.0          | 3.0   | 41.0           | 3.0          | 11.9         | 3.0             | 1.0           |
| MEANS                   | 9093   | 171            | 66           | 106        | 45        | 0.9          | 2.5         | 3.3          | 2.8   | 42.1           | 2.9          | 11.4         | 2.4             | 1.0           |
| MAXIMUM                 | 10496  | 198            | 69           | 118        | 55        | 2.3          | 6.3         | 4.0          | 3.0   | 43.3           | 3.0          | 23.6         | 3.0             | 1.1           |
| MINIMUM                 | 6702   | 126            | 61           | 87         | 30        | 0.0          | 0.5         | 2.5          | 2.5   | 39.5           | 2.5          | 5.5          | 1.8             | 1.0           |
| CHECKS (TESTIGOS):      |        |                |              |            |           |              |             |              |       |                |              |              |                 |               |
| 13 NEVIS LOCAL          | 5305   | -              | 68           | 107        | 45        | 9.3          | 5.5         | 3.5          | 2.8   | 18.8           | 2.3          | 8.1          | 2.3             | 1.2           |
| CHECK MEANS             | 5305   | -              | 68           | 106        | 44        | 9.3          | 5.5         | 3.5          | 2.8   | 18.8           | 2.3          | 8.1          | 2.3             | 1.2           |
| 5% LSD                  | 1396.2 |                | 2.5          | 7.5        | 8.3       |              |             |              |       | 4.0            |              |              |                 |               |
| C.V.                    | 11.1   |                | 2.6          | 4.9        | 12.9      |              |             |              |       | 6.9            |              |              |                 |               |



TABLE: 185-V-84

EVT14B      YEAR 1984      GABON      LFBAMBA  
 CO-OPERATOR: R. RAVDAVY, F.A.O.

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RGT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT |     |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|-----|
| 1 Ferke (1)        | 8223   | 3936           | 105          | 53         | 180       | 58           | 0.0          | 0.6         | 13.4           | 42.3         | 1.5          | 31.3          | 1.0 |
| 2 Poza Rica        | 9223   | 3651           | 98           | 52         | 194       | 68           | 0.6          | 0.0         | 10.0           | 42.3         | 1.8          | 43.5          | 1.0 |
| 4 Across           | 9130   | 3594           | 96           | 44         | 187       | 51           | 1.2          | 1.7         | 9.9            | 40.8         | 1.3          | 27.6          | 1.0 |
| 9 Ikenne (1)       | 8149   | 3537           | 95           | 48         | 170       | 51           | 0.0          | 0.0         | 7.8            | 41.8         | 1.5          | 32.7          | 1.0 |
| 10 Gandajika       | 8149   | 3480           | 93           | 46         | 169       | 44           | 0.0          | 0.0         | 6.0            | 42.5         | 1.5          | 37.8          | 1.0 |
| 8 San Jeronimo     | 8232   | 3194           | 85           | 55         | 198       | 63           | 0.6          | 0.6         | 9.3            | 41.3         | 1.8          | 42.8          | 1.0 |
| 7 Poza Rica        | 9232   | 3137           | 84           | 53         | 198       | 63           | 0.0          | 0.0         | 8.6            | 42.0         | 1.8          | 41.4          | 0.9 |
| 6 Los Banos(1)     | 9232   | 2938           | 79           | 56         | 198       | 69           | 0.0          | 0.0         | 8.3            | 42.3         | 1.8          | 44.3          | 0.9 |
| 11 Pirsabak (1)    | 7930RE | 2938           | 79           | 42         | 180       | 59           | 0.0          | 1.7         | 6.5            | 41.0         | 2.5          | 41.5          | 1.0 |
| 3 Kolhapur         | 8130   | 2909           | 78           | 45         | 201       | 59           | 0.0          | 1.7         | 11.0           | 43.0         | 1.8          | 44.5          | 0.8 |
| 5 Los Banos        | 8232   | 2881           | 77           | 55         | 203       | 66           | 0.0          | 0.0         | 10.2           | 43.3         | 2.0          | 48.2          | 0.9 |
| 12 Los Diamantes   | 7823PE | 2681           | 72           | 51         | 209       | 69           | 1.3          | 0.6         | 26.0           | 42.3         | 2.8          | 59.6          | 0.9 |
| MEANS              | 3240   | 87             | 50           | 190        | 60        | 0.3          | 0.6          | 10.6        | 42.0           | 1.8          | 41.3         | 0.9           |     |
| MAXIMUM            | 3936   | 105            | 56           | 209        | 69        | 1.3          | 1.7          | 26.0        | 43.3           | 2.8          | 59.6         | 1.0           |     |
| MINIMUM            | 2681   | 72             | 42           | 168        | 44        | 0.0          | 0.0          | 6.0         | 40.8           | 1.3          | 27.6         | 0.8           |     |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |             |                |              |              |               |     |
| 14 NTV             | 3736   | -              | 50           | 198        | 84        | 0.7          | 0.0          | 5.2         | 35.3           | 1.3          | 25.4         | 1.0           |     |
| 13 T2PB            | 3622   | -              | 54           | 240        | 93        | 1.2          | 0.7          | 17.0        | 40.3           | 1.8          | 39.6         | 0.9           |     |
| CHECK MEANS        | 3679   | -              | 51           | 218        | 88        | 0.9          | 0.3          | 11.1        | 37.8           | 1.5          | 32.5         | 1.0           |     |
| 5% LSD             | 887.3  |                | 3.8          | 33.8       | 21.2      |              |              |             | 3.0            |              |              |               |     |
| C.V.               | 18.8   |                | 5.2          | 12.2       | 23.2      |              |              |             | 5.0            |              |              |               |     |

TABLE: 186-V-84

EVT148 YEAR 1984 KENYA

H.I.P.S.

CO-OPERATOR:MR. O.E. SARAZA

| ENTRY NO./PEDIGREE      | KG/HA | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LCDG | %EAR<br>RCT | HELM | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-------------------------|-------|---------------|--------------|------------|-----------|--------------|--------------|-------------|------|----------------|--------------|--------------|-----------------|---------------|------------|
| 8 San Jeronimo 8232     | 4973  | 122           | 55           | 161        | 74        | 0.0          | 5.5          | 6.5         | 1.8  | 39.5           | 2.3          | 4.0          | 1.5             | 1.1           | 11.8       |
| 12 Los Diamantes 7323RE | 4952  | 122           | 54           | 170        | 86        | 0.0          | 6.2          | 8.1         | 1.5  | 41.0           | 1.8          | 12.2         | 1.8             | 1.0           | 12.4       |
| 6 Los Banos(1) 8232     | 4923  | 121           | 57           | 165        | 80        | 1.2          | 7.8          | 4.7         | 1.8  | 39.3           | 1.8          | 4.6          | 1.5             | 1.1           | 11.7       |
| 9 Ikenne (1) 8149       | 4219  | 112           | 53           | 134        | 56        | 0.0          | 0.0          | 10.2        | 1.5  | 41.0           | 1.8          | 4.2          | 1.3             | 1.0           | 11.9       |
| 1 Ferke (1) 8223        | 4754  | 112           | 54           | 159        | 76        | 0.6          | 1.3          | 9.8         | 1.8  | 40.5           | 1.8          | 5.2          | 2.3             | 1.1           | 12.3       |
| 5 Los Banos 8232        | 4795  | 115           | 56           | 171        | 95        | 0.0          | 1.8          | 11.7        | 2.0  | 41.8           | 2.3          | 1.8          | 2.3             | 1.0           | 12.0       |
| 2 Poza Rica 8223        | 4523  | 114           | 56           | 156        | 79        | 1.5          | 5.6          | 9.5         | 2.0  | 38.3           | 1.8          | 3.6          | 2.0             | 1.1           | 11.8       |
| 7 Poza Rica 5232        | 4623  | 114           | 57           | 166        | 88        | 0.0          | 4.6          | 9.7         | 1.5  | 35.8           | 1.8          | 1.3          | 2.0             | 1.1           | 11.6       |
| 10 Gandajika 8149       | 4327  | 106           | 53           | 130        | 53        | 0.7          | 2.0          | 9.1         | 1.8  | 38.8           | 2.5          | 4.9          | 2.5             | 1.1           | 12.3       |
| 4 Across 8130           | 4239  | 105           | 50           | 161        | 69        | 5.8          | 2.1          | 16.0        | 1.8  | 38.8           | 2.5          | 4.9          | 2.5             | 1.1           | 11.8       |
| 3 Kolhapur 8130         | 4222  | 104           | 50           | 153        | 71        | 2.6          | 5.2          | 13.3        | 1.8  | 38.5           | 2.5          | 5.5          | 2.5             | 1.1           | 12.1       |
| 11 Pirsabak (1) 7930RE  | 3674  | 90            | 48           | 151        | 66        | 1.0          | 14.9         | 17.0        | 1.0  | 34.0           | 2.8          | 7.0          | 3.0             | 1.2           | 11.9       |
| MEANS                   | 4577  | 112           | 54           | 157        | 73        | 1.1          | 4.7          | 10.5        | 1.7  | 38.9           | 2.1          | 4.9          | 2.1             | 1.1           | 12.0       |
| MAXIMUM                 | 4976  | 122           | 57           | 171        | 88        | 5.8          | 14.9         | 17.0        | 2.0  | 41.8           | 2.8          | 12.2         | 3.0             | 1.2           | 12.4       |
| MINIMUM                 | 3674  | 90            | 48           | 130        | 53        | 0.0          | 0.0          | 4.7         | 1.0  | 34.0           | 1.8          | 1.3          | 1.3             | 1.0           | 11.6       |
| CHECKS (TESTIGOS):      |       |               |              |            |           |              |              |             |      |                |              |              |                 |               |            |
| 14 PWANI HYBRID III     | 4073  | -             | 57           | 144        | 63        | 0.0          | 11.9         | 5.7         | 1.8  | 32.0           | 1.5          | 11.0         | 2.0             | 1.1           | 12.4       |
| 13 COAST COMPOSITE      | 4049  | -             | 54           | 212        | 125       | 7.6          | 40.2         | 21.4        | 2.0  | 34.8           | 3.0          | 5.7          | 3.8             | 1.1           | 11.7       |
| CHECK MEANS             | 4060  | -             | 57           | 178        | 93        | 3.8          | 26.1         | 13.6        | 1.9  | 33.4           | 2.3          | 8.4          | 2.9             | 1.1           | 12.1       |
| 5% LSD                  | 649.0 |               | 1.7          | 11.0       | 10.0      |              |              |             |      | 5.0            |              |              |                 |               | 0.9        |
| C.V.                    | 10.1  |               | 2.2          | 4.3        | 9.1       |              |              |             |      | 9.2            |              |              |                 |               | 5.2        |

TABLE: 187-V-84

EVT148 YEAR 1984 ZAIRE KANIAMA

CO-OPERATOR: MLLAMBA, AZANI MBEY YAME

| ENTRY NO./PEDIGREE      | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LOADG | ROCT<br>LOADG | %EAR<br>RCT | HELM<br>TURC | HELM | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|-------------------------|-------|----------------|--------------|------------|-----------|---------------|---------------|-------------|--------------|------|----------------|--------------|--------------|-----------------|------------|
| 8 San Jeronimo 8232     | 7582  | 113            | 67           | 198        | 96        | 10.4          | 10.4          | 12.3        | 2.5          | 1.3  | 43.0           | 2.3          | 6.0          | 2.0             | 24.7       |
| 7 Poza Rica 8232        | 7316  | 109            | 68           | 192        | 91        | 5.4           | 13.0          | 10.5        | 2.5          | 1.8  | 42.3           | 2.0          | 8.3          | 2.0             | 24.9       |
| 5 Los Banos 8232        | 7239  | 108            | 67           | 204        | 98        | 11.5          | 27.5          | 14.0        | 2.3          | 1.3  | 41.5           | 2.5          | 8.7          | 2.0             | 24.8       |
| 6 Los Banos(1) 8232     | 6826  | 102            | 68           | 184        | 92        | 17.5          | 19.6          | 12.7        | 2.3          | 1.5  | 42.5           | 2.5          | 5.1          | 2.0             | 24.8       |
| 1 Ferke (1) 8223        | 6449  | 96             | 67           | 190        | 91        | 16.6          | 18.1          | 10.6        | 2.8          | 1.5  | 41.5           | 2.0          | 13.0         | 1.8             | 23.1       |
| 2 Poza Rica 8223        | 5859  | 98             | 68           | 183        | 89        | 31.9          | 18.9          | 14.0        | 2.8          | 1.8  | 41.5           | 2.5          | 12.3         | 2.3             | 23.4       |
| 9 Ikenne (1) 8149       | 5597  | 84             | 63           | 136        | 53        | 30.6          | 12.1          | 20.7        | 2.0          | 1.5  | 41.3           | 2.8          | 3.5          | 1.5             | 24.3       |
| 4 Across 8130           | 5029  | 73             | 60           | 172        | 80        | 31.2          | 13.9          | 16.0        | 2.8          | 1.8  | 40.8           | 2.5          | 4.8          | 2.5             | 24.3       |
| 12 Los Diamantes 7823RE | 4999  | 75             | 68           | 179        | 90        | 20.2          | 13.9          | 16.5        | 2.8          | 2.0  | 40.0           | 3.0          | 11.5         | 3.0             | 23.5       |
| 10 Gandajika 8149       | 4946  | 74             | 65           | 136        | 57        | 25.7          | 7.5           | 9.9         | 2.5          | 1.8  | 39.5           | 2.3          | 5.8          | 2.0             | 23.6       |
| 3 Kolhapur 8130         | 4776  | 71             | 61           | 171        | 79        | 35.0          | 9.0           | 18.4        | 2.8          | 2.3  | 41.5           | 2.8          | 7.6          | 2.5             | 23.9       |
| 11 Pirsabak (1) 7930RE  | 4766  | 71             | 59           | 160        | 73        | 34.1          | 10.7          | 20.1        | 2.8          | 2.0  | 39.5           | 2.5          | 9.7          | 2.3             | 24.7       |
| MEANS                   | 5949  | 89             | 65           | 175        | 82        | 23.4          | 14.5          | 14.7        | 2.5          | 1.7  | 41.2           | 2.5          | 8.0          | 2.1             | 24.1       |
| MAXIMUM                 | 7582  | 113            | 68           | 204        | 98        | 35.0          | 27.5          | 20.7        | 2.8          | 2.3  | 43.0           | 3.0          | 13.0         | 3.0             | 24.9       |
| MINIMUM                 | 4766  | 71             | 59           | 136        | 53        | 5.4           | 7.5           | 9.9         | 2.0          | 1.3  | 39.5           | 2.0          | 3.5          | 1.5             | 23.1       |
| CHECKS (TESTIGOS):      |       |                |              |            |           |               |               |             |              |      |                |              |              |                 |            |
| 13 KASAI-1              | 6689  | -              | 71           | 194        | 94        | 21.8          | 34.2          | 10.6        | 2.5          | 1.3  | 40.0           | 2.3          | 5.0          | 2.0             | 23.6       |
| 14 SALONGO-2            | 6503  | -              | 73           | 204        | 107       | 26.6          | 20.5          | 10.2        | 2.8          | 1.5  | 38.0           | 2.5          | 8.2          | 2.0             | 23.6       |
| CHECK MEANS             | 6596  | -              | 71           | 199        | 100       | 24.2          | 27.4          | 10.4        | 2.6          | 1.4  | 39.0           | 2.4          | 6.6          | 2.0             | 23.6       |
| 5% LSD                  | 963.2 |                | 2.3          | 19.0       | 12.8      |               |               |             |              |      | 3.3            |              |              |                 |            |
| C.V.                    | 11.1  |                | 2.5          | 7.4        | 10.5      |               |               |             |              |      | 5.6            |              |              |                 |            |

TABLE: 188-V-84

EVT148 YEAR 1964 INDONESIA SCITCELI  
CO-OPERATOR: A. LAGA

| ENTRY NO./PEDIGREE      | KG/HA | HARVEST<br>CHECK | DAYS<br>SILK | PLANT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LOGG | PLANTS<br>HARV | MOIST<br>% |  |
|-------------------------|-------|------------------|--------------|-------------|-----------|--------------|--------------|----------------|------------|--|
|                         |       |                  |              |             |           |              |              |                |            |  |
| 1 Ferka (1) 8222        | 3060  | 112              | 57           | 188         | 92        | 10.3         | 10.9         | 35.3           | 14.7       |  |
| 12 Los Diamantes 7823RE | 2983  | 109              | 58           | 195         | 95        | 6.6          | 8.9          | 35.5           | 15.7       |  |
| 10 Gandajika 8149       | 2850  | 104              | 56           | 141         | 52        | 4.6          | 4.4          | 29.8           | 14.9       |  |
| 9 Ikenne (1) 8149       | 2825  | 103              | 55           | 142         | 54        | 10.7         | 7.4          | 25.0           | 13.3       |  |
| 8 San Jeronimo 8232     | 2735  | 100              | 57           | 192         | 85        | 15.7         | 11.2         | 34.5           | 13.5       |  |
| 2 Poza Rica 8222        | 2734  | 100              | 59           | 177         | 78        | 13.4         | 11.0         | 33.8           | 15.4       |  |
| 6 Los Banos (1) 8232    | 2624  | 96               | 58           | 182         | 81        | 2.9          | 5.9          | 34.0           | 15.8       |  |
| 4 Across 8130           | 2505  | 92               | 53           | 170         | 71        | 18.3         | 9.9          | 30.0           | 14.9       |  |
| 7 Poza Rica 8232        | 2356  | 86               | 58           | 192         | 86        | 19.1         | 12.1         | 34.3           | 14.7       |  |
| 3 Kolhapur 8130         | 2291  | 84               | 53           | 174         | 73        | 15.4         | 12.6         | 26.3           | 15.3       |  |
| 11 Pirsabak (1) 793CRE  | 2057  | 75               | 53           | 157         | 62        | 17.5         | 11.5         | 33.8           | 15.2       |  |
| 5 Los Banos 8232        | 2002  | 73               | 60           | 188         | 85        | 13.7         | 13.6         | 29.5           | 14.5       |  |
| MEANS                   | 2585  | 95               | 56           | 174         | 74        | 12.4         | 10.0         | 31.8           | 14.8       |  |
| MAXIMUM                 | 3060  | 112              | 60           | 192         | 86        | 19.1         | 13.6         | 35.5           | 15.8       |  |
| MINIMUM                 | 2002  | 73               | 53           | 141         | 52        | 2.9          | 4.4          | 25.0           | 13.3       |  |
| CHECKS (TESTIGDS):      |       |                  |              |             |           |              |              |                |            |  |
| 14 LOCAL CHECK 2        | 2735  | -                | 56           | 186         | 83        | 12.4         | 7.5          | 35.8           | 16.1       |  |
| 13 LOCAL CHECK 1        | 2226  | -                | 55           | 188         | 94        | 16.0         | 12.6         | 31.8           | 13.9       |  |
| CHECK MEANS             | 2481  | -                | 55           | 186         | 83        | 14.2         | 10.1         | 33.8           | 15.0       |  |
| 5% LSC                  | 872.8 |                  | 2.5          | 18.9        | 11.7      |              |              | 9.5            | 2.4        |  |
| C.V.                    | 23.7  |                  | 3.1          | 7.5         | 10.8      |              |              | 20.7           | 11.3       |  |

TABLE: 189-V-84

YEAR: 1954

TRIAL: EVT14B

MEANS ACROSS 29 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION | REGION              |              |              |             |              | OVER ALL                        |              |        |      |
|--------------------|-------------------|---------------------|--------------|--------------|-------------|--------------|---------------------------------|--------------|--------|------|
|                    |                   | I<br>KG./HA         | II<br>KG./HA | IV<br>KG./HA | V<br>KG./HA | VI<br>KG./HA | <-----MEAN-----><br>DAYS FLOWER | PLANT<br>HT. | KG./HA |      |
| 1 Ferke (1)        | 8223              | Blanco Cristalino-1 | 9260         | 6385         | 3751        | 4276         | 4885                            | 59           | 194    | 5346 |
| 6 Los Banos(1)     | 8232              | ETC Blanco          | 9839         | 6295         | 3498        | 4661         | 4875                            | 60           | 193    | 5323 |
| 9 Ikenne (1)       | 8149              | Blanco Dentado-2    | 8526         | 6155         | 3666        | 4208         | 5186                            | 56           | 156    | 5308 |
| 8 San Jeroniro     | 8232              | ETC Blanco          | 8921         | 6217         | 3800        | 4709         | 4819                            | 60           | 193    | 5304 |
| 2 Poza Rica        | 8223              | Blanco Cristalino-1 | 7709         | 6356         | 3506        | 3909         | 5092                            | 59           | 192    | 5266 |
| 7 Poza Rica        | 8232              | ETC Blanco          | 9037         | 6195         | 3513        | 4529         | 4736                            | 60           | 191    | 5202 |
| 10 Gandajika       | 8149              | Blanco Dentado-2    | 8645         | 6029         | 3419        | 3665         | 4995                            | 56           | 158    | 5104 |
| 12 Los Diamantes   | 7823RE            | Blanco Cristalino-1 | 7713         | 5931         | 3570        | 3883         | 4683                            | 58           | 193    | 4986 |
| 5 Los Banos        | 8232              | ETC Blanco          | 9062         | 5937         | 3282        | 4543         | 4329                            | 60           | 203    | 4906 |
| 4 Across           | 8130              | Blanco Cristalino-2 | 7900         | 5602         | 3449        | 3562         | 4489                            | 53           | 184    | 4754 |
| 3 Kolhapur         | 8130              | Blanco Cristalino-2 | 7799         | 5437         | 3242        | 3296         | 4366                            | 53           | 186    | 4586 |
| 11 Pirsabak (1)    | 7930RE            | Blanco Cristalino-2 | 8012         | 5169         | 2991        | 3453         | 4400                            | 52           | 171    | 4475 |
| Mean               |                   |                     | 8540         | 5966         | 3473        | 4058         | 4738                            | 57           | 185    | 5047 |
| No of Locations    |                   |                     | 1            | 11           | 5           | 3            | 9                               | 28           | 28     | 29   |

Region I= South America

II= North, Central America and the Caribbean

IV= West Africa

V= East and South Africa

VI= Asia

TABLE: 190-V-84

EVT16A YEAR 1964 ARGENTINA PERGAMINO

CO-OPERATOR: ING. L.A. CAMILANO, I.N.T.A.

| ENTRY NO./PEDIGREE | KG/HA              | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LEGG | SEAR<br>ROOT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------------------|---------------|--------------|------------|-----------|--------------|--------------|----------------|---------------|--------------|-----------------|---------------|------------|------|
| 17 Across          | 7748 <sup>RE</sup> | 4351          | 26           | 54         | 202       | 100          | 7.1          | 45.2           | 42.5          | 4.0          | 64.2            | 2.0           | 0.8        | 19.0 |
| 10 Sids (1)        | 3245               | 4744          | 24           | 66         | 183       | 90           | 4.1          | 25.5           | 42.5          | 4.0          | 28.0            | 4.0           | 0.8        | 21.2 |
| 6 Caspinopolis     | 8245               | 4702          | 24           | 66         | 189       | 95           | 6.9          | 40.9           | 40.3          | 2.0          | 48.6            | 2.0           | 0.9        | 21.9 |
| 3 Chiquisaca       | 8233               | 4411          | 78           | 64         | 196       | 93           | 7.9          | 21.0           | 41.5          | 3.0          | 22.4            | 2.0           | 0.9        | 22.8 |
| 7 Islamabad        | 8245               | 4202          | 75           | 66         | 185       | 93           | 3.0          | 15.2           | 41.8          | 3.0          | 21.5            | 3.0           | 0.9        | 23.6 |
| 2 Antalya (1)      | 8233               | 4109          | 73           | 52         | 212       | 97           | 10.2         | 24.3           | 42.0          | 3.0          | 29.5            | 3.0           | 0.8        | 20.9 |
| 12 Across          | 8245               | 4039          | 72           | 66         | 161       | 94           | 7.3          | 24.8           | 41.0          | 3.0          | 31.1            | 3.0           | 0.8        | 22.2 |
| 8 Islamabad (1)    | 8245               | 4007          | 71           | 64         | 172       | 72           | 4.9          | 26.8           | 41.0          | 3.0          | 40.8            | 2.0           | 0.8        | 21.0 |
| 5 Tlaltizapan      | 8233               | 4002          | 71           | 65         | 186       | 93           | 4.9          | 44.8           | 41.3          | 2.0          | 40.6            | 3.0           | 0.8        | 22.5 |
| 16 Across          | 7345 <sup>DE</sup> | 3937          | 71           | 53         | 145       | 75           | 13.4         | 33.1           | 41.5          | 3.0          | 36.3            | 5.0           | 0.9        | 22.9 |
| 11 Tlaltizapan     | 8245               | 2977          | 71           | 67         | 135       | 99           | 5.5          | 47.8           | 41.5          | 4.0          | 54.3            | 1.0           | 0.8        | 23.0 |
| 9 Sids             | 8245               | 3371          | 71           | 67         | 169       | 77           | 5.5          | 14.6           | 41.5          | 4.0          | 26.3            | 4.0           | 0.8        | 23.1 |
| 15 Tlaltizapan     | 8245               | 3341          | 68           | 65         | 187       | 94           | 9.7          | 28.7           | 41.3          | 3.0          | 33.4            | 4.0           | 0.8        | 17.3 |
| 14 Pirsabak (1)    | 8245               | 3770          | 67           | 59         | 145       | 73           | 20.5         | 40.8           | 39.8          | 4.0          | 37.2            | 5.0           | 0.9        | 17.2 |
| 1 Antalya          | 8233               | 3280          | 59           | 64         | 213       | 115          | 5.6          | 30.8           | 40.3          | 3.0          | 41.9            | 4.0           | 0.7        | 20.5 |
| 13 Pirsabak        | 8248               | 3264          | 59           | 58         | 123       | 64           | 13.5         | 25.1           | 41.0          | 5.0          | 29.4            | 5.0           | 0.8        | 17.2 |
| 4 Rampur (1)       | 8233               | 3211          | 57           | 65         | 214       | 106          | 7.3          | 49.5           | 41.5          | 4.0          | 42.4            | 3.0           | 0.9        | 19.8 |
| MEANS              | 4225               | 72            | 64           | 182        | 89        | 9.1          | 31.7         | 41.3           | 3.4           | 36.9         | 3.2             | 0.8           | 20.9       |      |
| MAXIMUM            | 4851               | 26            | 57           | 214        | 115       | 20.5         | 48.5         | 42.5           | 5.0           | 64.2         | 5.0             | 0.9           | 23.6       |      |
| MINIMUM            | 3211               | 57            | 53           | 138        | 64        | 3.0          | 14.8         | 39.8           | 2.0           | 21.5         | 1.0             | 0.7           | 17.2       |      |
| CHECKS (TESTIGOS): |                    |               |              |            |           |              |              |                |               |              |                 |               |            |      |
| 19 DECALS 4F32     | 5623               | -             | 64           | 137        | 76        | 8.2          | 14.6         | 40.8           | 4.0           | 21.7         | 5.0             | 0.9           | 21.7       |      |
| 18 AGUACA INTA     | 5294               | -             | 64           | 207        | 104       | 3.4          | 80.3         | 41.8           | 4.0           | 96.1         | 3.0             | 0.9           | 20.9       |      |
| CHECK MEANS        | 5452               | -             | 63           | 196        | 90        | 8.3          | 47.4         | 41.3           | 4.0           | 58.9         | 4.0             | 0.9           | 21.3       |      |
| 5% LSD             | 964.0              |               | 1.5          | 9.4        | 6.7       |              |              | 3.2            |               |              |                 |               |            |      |
| C.V.               | 15.2               |               | 1.7          | 3.6        | 3.3       |              |              | 5.5            |               |              |                 |               |            |      |

TABLE: 191-V-84

EVT16A    YEAR 1984    ARGENTINA    CAMPICHUELDO  
 CO-OPERATOR: ING. NESTOR P. BARACCO, COMP. CONTINENTAL

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | PLANTS<br>HARV | PLANT<br>ASPECT | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|----------------|-----------------|------------|
| 11 Tlaltizapan 8245  | 5081   | 93             | 54           | 273        | 115       | 7.5          | 40.0           | 3.3             | 17.3       |
| 6 Capinopolis 8245   | 4652   | 85             | 54           | 263        | 120       | 4.9          | 41.0           | 3.0             | 17.0       |
| 9 Sids 8245          | 4550   | 83             | 53           | 265        | 113       | 9.1          | 40.5           | 3.3             | 17.4       |
| 7 Islamabad 8245     | 4446   | 81             | 53           | 270        | 120       | 13.6         | 40.0           | 3.5             | 16.8       |
| 16 Across 7845RE     | 3841   | 70             | 54           | 248        | 100       | 9.2          | 41.5           | 3.0             | 17.5       |
| 2 Antalya (1) 8233   | 3730   | 68             | 53           | 258        | 110       | 9.3          | 42.8           | 3.3             | 16.8       |
| 8 Islamabad (1) 8245 | 3695   | 68             | 53           | 263        | 123       | 11.7         | 42.0           | 3.0             | 16.9       |
| 10 Sids (1) 8245     | 3640   | 67             | 53           | 243        | 98        | 18.4         | 42.8           | 3.5             | 16.9       |
| 5 Tlaltizapan 8233   | 3558   | 65             | 54           | 245        | 103       | 12.3         | 40.8           | 3.5             | 17.1       |
| 3 Chiquisaca 8233    | 3468   | 63             | 54           | 238        | 110       | 7.8          | 41.5           | 3.0             | 17.7       |
| 4 Rampur (1) 8233    | 3264   | 60             | 53           | 245        | 103       | 21.2         | 41.8           | 3.3             | 16.5       |
| 12 Across 8245       | 3160   | 58             | 54           | 240        | 105       | 7.4          | 40.0           | 3.3             | 17.1       |
| 1 Antalya 8233       | 3159   | 58             | 53           | 243        | 100       | 9.6          | 39.8           | 4.0             | 16.4       |
| 17 Across 7748RE     | 3075   | 56             | 54           | 243        | 90        | 4.4          | 39.5           | 3.5             | 15.8       |
| 15 Tlaltizapan 8248  | 3006   | 55             | 53           | 218        | 80        | 7.9          | 41.3           | 4.0             | 16.2       |
| 13 Pirsabak 8248     | 2804   | 51             | 54           | 245        | 95        | 22.3         | 41.3           | 3.5             | 15.8       |
| 14 Pirsabak (1) 8248 | 2085   | 38             | 53           | 238        | 93        | 37.9         | 39.3           | 4.0             | 16.5       |
| MEANS                | 3601   | 66             | 53           | 249        | 104       | 12.6         | 40.9           | 3.4             | 16.8       |
| MAXIMUM              | 5081   | 93             | 54           | 273        | 123       | 37.9         | 42.8           | 4.0             | 17.7       |
| MINIMUM              | 2085   | 38             | 53           | 218        | 80        | 4.4          | 39.3           | 3.0             | 15.8       |
| CHECKS (TESTIGOS):   |        |                |              |            |           |              |                |                 |            |
| 18 CARGILL T-226     | 5465   | -              | 56           | 290        | 138       | 9.4          | 43.3           | 2.8             | 19.7       |
| 19 LEALES 25         | 3349   | -              | 58           | 260        | 138       | 15.3         | 39.3           | 3.5             | 19.1       |
| CHECK MEANS          | 4407   | -              | 56           | 275        | 137       | 12.4         | 41.3           | 3.1             | 19.4       |
| 5% LSD               | 1379.4 |                | 1.3          | 25.9       | 22.4      |              | 3.1            |                 | 0.9        |
| C.V.                 | 26.4   |                | 1.7          | 7.3        | 14.6      |              | 5.3            |                 | 3.7        |

TABLE: 192-V-84

EVT16A YEAR 1984 ARGENTINA LA COCHA

CO-OPERATOR: ING. NESTOR P. BARACCO, COMPANIA CONTINENTAL

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | PLANTS<br>FARV | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|------------|-----------|--------------|----------------|-----------------|------------|
| 12 Across 8245         | 4198  | 101            | 260        | 110       | 22.2         | 28.8           | 3.0             | 16.3       |
| 11 Tlaltizapan 8245    | 4098  | 98             | 245        | 130       | 36.9         | 29.8           | 3.0             | 17.2       |
| 10 Sids (1) 8245       | 3955  | 95             | 270        | 130       | 18.7         | 29.5           | 3.3             | 16.6       |
| 16 Across 7845RE       | 3884  | 93             | 240        | 100       | 15.7         | 28.8           | 2.8             | 16.7       |
| 6 Capinopolis 8245     | 3742  | 90             | 245        | 105       | 32.2         | 28.5           | 3.3             | 15.7       |
| 3 Chiquisaca 8233      | 3651  | 88             | 245        | 130       | 18.3         | 28.5           | 3.0             | 16.6       |
| 1 Antalya 8233         | 3646  | 88             | 260        | 130       | 35.3         | 28.8           | 3.0             | 17.3       |
| 9 Sids 8245            | 3546  | 85             | 265        | 125       | 29.5         | 29.3           | 3.3             | 16.9       |
| 2 Antalya (1) 8233     | 3539  | 85             | 250        | 120       | 35.2         | 29.3           | 3.3             | 16.0       |
| 4 Rampur (1) 8233      | 3389  | 81             | 250        | 125       | 19.3         | 29.3           | 3.0             | 15.8       |
| 7 Islamabad 8245       | 3356  | 81             | 245        | 100       | 28.0         | 29.5           | 3.0             | 17.3       |
| 15 Tlaltizapan 8248    | 3304  | 79             | 235        | 60        | 29.3         | 26.0           | 2.8             | 15.3       |
| 5 Tlaltizapan 8233     | 3247  | 78             | 228        | 100       | 16.6         | 29.0           | 3.3             | 17.4       |
| 8 Islamabad (1) 8245   | 3211  | 77             | 265        | 120       | 24.7         | 29.5           | 3.0             | 16.9       |
| 17 Across 7748RE       | 3092  | 74             | 270        | 110       | 34.1         | 27.8           | 3.0             | 15.7       |
| 13 Pirsabak 8248       | 2998  | 72             | 260        | 105       | 22.3         | 26.5           | 3.0             | 15.5       |
| 14 Pirsabak (1) 8248   | 2645  | 63             | 230        | 75        | 38.5         | 27.8           | 3.0             | 15.0       |
| MEANS                  | 3500  | 84             | 251        | 110       | 26.9         | 28.6           | 3.0             | 16.4       |
| MAXIMUM                | 4198  | 101            | 270        | 130       | 38.5         | 29.8           | 3.3             | 17.4       |
| MINIMUM                | 2645  | 63             | 228        | 60        | 15.7         | 26.0           | 2.8             | 15.0       |
| CHECKS (TESTIGOS):     |       |                |            |           |              |                |                 |            |
| 18 CARGILL TROPICO 226 | 4167  | -              | 310        | 140       | 20.7         | 28.3           | 2.8             | 17.8       |
| 19 LEALES 25           | 3932  | -              | 310        | 175       | 36.3         | 28.8           | 3.5             | 17.7       |
| CHECK MEANS            | 4049  | -              | 310        | 157       | 28.5         | 28.5           | 3.1             | 17.8       |
| 5% LSC                 | 934.6 |                | 1.6        |           |              | 2.1            |                 | 1.7        |
| C.V.                   | 18.5  |                | 0.4        |           |              | 5.3            |                 | 7.3        |



TABLE: 193-V-84

EVT16A YEAR 1984 BOLIVIA ISOPERENCA  
 CO-OPERATOR: ALBERTO HINDJCSA PADILLA, CIRQUECH

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>-CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | YEAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | PCIST<br>% |
|----------------------|--------|-----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 16 Across 7845RE     | 8076   | 120             | 53           | 193        | 95        | 2.7          | 0.0          | 6.9         | 37.3           | 1.3           | 1.0             | 1.1           | 22.9       |
| 6 Capinopolis 8245   | 8054   | 119             | 53           | 200        | 95        | 0.7          | 0.0          | 6.8         | 38.5           | 1.3           | 1.0             | 1.0           | 24.7       |
| 11 Tlaltizapan 8245  | 8035   | 119             | 53           | 190        | 93        | 3.9          | 0.0          | 9.0         | 39.0           | 1.9           | 1.3             | 1.0           | 22.1       |
| 12 Across 8012       | 8012   | 119             | 52           | 195        | 92        | 2.4          | 0.0          | 9.1         | 37.5           | 1.0           | 1.0             | 1.0           | 24.2       |
| 10 Sids (1) 8245     | 7972   | 117             | 52           | 195        | 93        | 4.7          | 0.0          | 6.3         | 37.3           | 1.5           | 1.0             | 1.1           | 24.0       |
| 9 Islamabad (1) 8245 | 7781   | 115             | 51           | 200        | 100       | 1.2          | 0.0          | 11.5        | 40.2           | 1.8           | 1.0             | 1.0           | 21.6       |
| 9 Sids 8245          | 7723   | 114             | 52           | 203        | 103       | 6.1          | 2.2          | 8.8         | 37.5           | 1.3           | 1.0             | 1.0           | 24.5       |
| 3 Chiquisaca 8233    | 7628   | 113             | 54           | 190        | 90        | 7.7          | 1.8          | 7.8         | 42.0           | 1.0           | 1.0             | 0.9           | 24.8       |
| 7 Islamabad 8245     | 7615   | 113             | 52           | 195        | 95        | 3.7          | 0.0          | 10.4        | 39.0           | 1.5           | 1.0             | 0.9           | 24.5       |
| 1 Antalya 8233       | 6945   | 101             | 54           | 190        | 95        | 3.4          | 0.0          | 7.5         | 39.5           | 1.3           | 1.0             | 1.1           | 21.3       |
| 5 Tlaltizapan 8233   | 6644   | 98              | 54           | 195        | 90        | 3.1          | 0.0          | 8.4         | 39.5           | 1.3           | 1.0             | 1.0           | 23.7       |
| 4 Rampur (1) 8233    | 6505   | 96              | 54           | 190        | 95        | 3.3          | 0.0          | 7.3         | 38.5           | 1.5           | 1.0             | 1.1           | 23.1       |
| 2 Antalya (1) 8233   | 5804   | 86              | 54           | 165        | 70        | 2.7          | 0.0          | 9.0         | 34.3           | 1.0           | 1.0             | 1.1           | 22.8       |
| 17 Across 774PRE     | 5281   | 78              | 51           | 173        | 83        | 3.8          | 0.6          | 20.4        | 37.3           | 2.3           | 1.3             | 0.8           | 22.0       |
| 13 Pirsabak 8245     | 4802   | 71              | 48           | 173        | 83        | 19.8         | 1.4          | 17.4        | 36.3           | 2.3           | 1.3             | 1.0           | 21.7       |
| 14 Pirsabak (1) 8245 | 4400   | 65              | 47           | 160        | 75        | 15.5         | 1.4          | 28.5        | 27.5           | 2.8           | 1.8             | 0.8           | 22.5       |
| 15 Tlaltizapan 8245  | 4125   | 61              | 49           | 163        | 73        | 9.2          | 0.7          | 15.5        | 35.0           | 1.8           | 1.5             | 0.9           | 24.2       |
| MEANS                | 6777   | 100             | 52           | 184        | 89        | 5.5          | 0.5          | 11.1        | 38.0           | 1.5           | 1.1             | 1.0           | 23.2       |
| MAXIMUM              | 8078   | 120             | 54           | 203        | 103       | 19.8         | 2.3          | 28.5        | 42.0           | 2.8           | 1.8             | 1.1           | 24.8       |
| MINIMUM              | 4125   | 61              | 47           | 160        | 73        | 0.7          | 0.0          | 6.3         | 34.3           | 1.0           | 1.0             | 0.8           | 21.3       |
| CHECKS (TESTIGGS):   |        |                 |              |            |           |              |              |             |                |               |                 |               |            |
| 18 A. BAJIO ISOP.    | 6748   | -               | 55           | 198        | 100       | 6.3          | 0.0          | 6.8         | 36.5           | 1.5           | 1.0             | 1.1           | 22.6       |
| 19 T.A. CRIST ISOP.  | 3879   | -               | 49           | 168        | 73        | 13.0         | 0.0          | 8.5         | 40.0           | 1.3           | 1.3             | 0.9           | 21.0       |
| CHECK MEANS          | 5313   | -               | 52           | 182        | 86        | 9.7          | 0.0          | 7.6         | 28.3           | 1.4           | 1.1             | 1.0           | 21.8       |
| SE LSD               | 1419.2 |                 | 0.5          | 17.0       | 14.7      |              |              |             | 4.6            |               |                 |               | 2.7        |
| C.V.                 | 15.1   |                 | 0.7          | 6.5        | 11.7      |              |              |             | 8.5            |               |                 |               | 3.4        |

TABLE: 194-V-84

EVT16A YEAR 1984 BRAZIL SETE LAGOAS

CO-OPERATOR: RICARDO MAGNAVACA

| ENTRY NO./PEDIGREE   | KG/HA | BEST<br>CHECK | PLNT<br>HT | BAR<br>HT | STFM<br>LJDDG | RODT<br>LJDDG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|---------------|------------|-----------|---------------|---------------|-------------|----------------|---------------|------------|
| 16 Across 7845RE     | 7132  | 32            | 201        | 100       | 5.8           | 14.3          | 5.7         | 43.3           | 1.0           | 14.8       |
| 6 Capinopolis 8245   | 6685  | 76            | 194        | 30        | 4.6           | 6.3           | 4.1         | 43.5           | 1.0           | 15.1       |
| 10 Sids (1) 8245     | 6529  | 75            | 194        | 79        | 5.8           | 2.9           | 9.3         | 43.3           | 1.0           | 14.6       |
| 12 Across 3245       | 6594  | 75            | 194        | 30        | 1.7           | 6.1           | 6.3         | 43.3           | 1.0           | 14.7       |
| 7 Islamabad 8245     | 6554  | 74            | 203        | 35        | 4.0           | 2.8           | 5.3         | 43.0           | 1.0           | 14.3       |
| 9 Sids 8245          | 6377  | 72            | 213        | 96        | 1.1           | 11.0          | 7.2         | 43.0           | 1.0           | 15.3       |
| 5 Tlaltizapan 4233   | 6317  | 72            | 198        | 99        | 3.0           | 6.0           | 9.8         | 43.3           | 1.0           | 15.4       |
| 11 Tlaltizapan 8245  | 6013  | 68            | 190        | 38        | 2.9           | 3.5           | 5.4         | 43.8           | 1.0           | 14.6       |
| 3 Chiquisaca 6233    | 5912  | 66            | 183        | 34        | 8.8           | 3.5           | 5.9         | 42.8           | 1.0           | 15.8       |
| 8 Islamabad (1) 8245 | 5755  | 66            | 205        | 90        | 4.2           | 1.7           | 10.1        | 42.3           | 0.9           | 14.8       |
| 4 Rampur (1) 3233    | 5673  | 64            | 185        | 34        | 6.9           | 0.0           | 7.1         | 43.0           | 1.0           | 14.6       |
| 1 Antalya 8233       | 5639  | 64            | 184        | 73        | 2.8           | 0.0           | 4.3         | 45.8           | 1.0           | 15.7       |
| 2 Antalya (1) 8233   | 5264  | 60            | 186        | 75        | 7.4           | 0.6           | 5.8         | 44.0           | 1.0           | 14.9       |
| 17 Across 7748RE     | 4855  | 55            | 203        | 93        | 17.6          | 0.0           | 4.8         | 40.8           | 1.0           | 15.8       |
| 13 Pirsabak 8248     | 4879  | 57            | 190        | 80        | 6.2           | 0.6           | 13.4        | 39.8           | 1.0           | 13.7       |
| 15 Tlaltizapan 8248  | 4253  | 49            | 194        | 79        | 3.6           | 0.6           | 11.3        | 41.0           | 1.0           | 14.3       |
| 14 Pirsabak (1) 8248 | 4242  | 47            | 189        | 75        | 19.6          | 0.0           | 10.6        | 41.0           | 1.0           | 14.1       |
| MEANS                | 5786  | 46            | 193        | 35        | 6.5           | 3.5           | 7.6         | 42.8           | 1.0           | 14.8       |
| MAXIMUM              | 7192  | 32            | 213        | 100       | 19.6          | 14.3          | 13.4        | 45.8           | 1.0           | 15.8       |
| MINIMUM              | 4143  | 47            | 133        | 73        | 1.1           | 0.0           | 4.1         | 39.9           | 0.9           | 13.7       |
| CHECKS (TESTIGDS):   |       |               |            |           |               |               |             |                |               |            |
| 18 BR-301            | 5315  | -             | 224        | 118       | 6.9           | 10.8          | 4.2         | 43.5           | 1.1           | 16.6       |
| 19 BR 300            | 7716  | -             | 240        | 131       | 4.2           | 11.8          | 2.3         | 42.3           | 1.0           | 17.3       |
| CHECK MEANS          | 6248  | -             | 231        | 124       | 5.6           | 11.3          | 3.2         | 42.9           | 1.1           | 17.0       |
| SE LSC               | 676.8 |               | 16.0       | 17.0      |               |               |             | 2.6            |               | 0.9        |
| C.V.                 | 7.9   |               | 6.7        | 13.7      |               |               |             | 4.3            |               | 4.2        |

TABLE: 195-V-84

EVT16A    YEAR 1964    BRAZIL    RIBEIRO PRETO

CO-OPERATOR:SEMENTES REIS DE CURC LTDA

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|-------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 6 Capinopolis 8245   | 4287  | 84             | 51           | 185        | 55        | 21.6        | 28.8           | 3.0          | 11.1         | 3.5             | 1.0           | 12.6       |
| 10 Sids (1) 8245     | 4165  | 81             | 52           | 183        | 90        | 17.9        | 37.3           | 3.5          | 8.9          | 2.8             | 1.0           | 12.6       |
| 1 Antalya 8233       | 4068  | 79             | 50           | 183        | 78        | 23.1        | 39.3           | 2.8          | 5.1          | 3.5             | 1.0           | 13.0       |
| 8 Islamabad (1) 8245 | 4039  | 79             | 51           | 195        | 93        | 30.2        | 39.8           | 3.8          | 3.1          | 4.3             | 1.0           | 12.6       |
| 11 Tlaltizapan 8245  | 3944  | 77             | 55           | 188        | 80        | 25.2        | 40.0           | 3.5          | 2.5          | 4.0             | 1.0           | 12.5       |
| 16 Across 7845RF     | 3919  | 76             | 55           | 193        | 78        | 31.0        | 34.5           | 3.5          | 13.4         | 3.5             | 1.0           | 13.0       |
| 2 Antalya (1) 8233   | 3913  | 74             | 50           | 180        | 73        | 22.1        | 38.3           | 3.3          | 4.9          | 3.8             | 1.0           | 12.6       |
| 3 Chiquisaca 8233    | 3904  | 76             | 50           | 175        | 73        | 26.2        | 39.0           | 3.5          | 9.1          | 3.5             | 1.0           | 12.8       |
| 4 Rampur (1) 8233    | 3756  | 72             | 51           | 180        | 78        | 28.1        | 38.3           | 3.5          | 9.3          | 4.3             | 1.0           | 12.8       |
| 5 Tlaltizapan 8233   | 3704  | 72             | 51           | 180        | 90        | 32.6        | 39.0           | 4.0          | 7.1          | 4.3             | 1.0           | 12.8       |
| 12 Across 8245       | 3579  | 72             | 55           | 193        | 90        | 23.0        | 36.5           | 3.3          | 5.8          | 3.0             | 1.0           | 12.8       |
| 7 Islamabad 8245     | 3637  | 71             | 51           | 185        | 90        | 27.1        | 34.0           | 3.5          | 6.2          | 3.5             | 1.0           | 12.6       |
| 9 Sids 8245          | 3405  | 66             | 53           | 193        | 73        | 35.0        | 33.0           | 4.0          | 10.8         | 4.3             | 1.0           | 12.9       |
| 17 Across 7748RE     | 2662  | 52             | 50           | 193        | 78        | 55.6        | 34.8           | 4.8          | 15.6         | 4.5             | 1.0           | 12.8       |
| 13 Pirsabak 8248     | 2510  | 51             | 50           | 175        | 73        | 51.2        | 35.3           | 5.0          | 22.4         | 5.0             | 1.0           | 12.8       |
| 15 Tlaltizapan 8248  | 2213  | 43             | 49           | 173        | 55        | 61.1        | 33.8           | 4.8          | 14.8         | 5.0             | 1.0           | 12.8       |
| 14 Pirsabak (1) 8248 | 1943  | 38             | 49           | 173        | 65        | 65.5        | 29.3           | 5.0          | 28.7         | 5.0             | 0.9           | 12.6       |
| MEANS                | 3521  | 69             | 51           | 184        | 79        | 33.9        | 36.6           | 3.8          | 10.5         | 4.0             | 1.0           | 12.7       |
| MAXIMUM              | 4287  | 84             | 55           | 195        | 93        | 65.5        | 40.0           | 5.0          | 28.7         | 5.0             | 1.0           | 13.0       |
| MINIMUM              | 1943  | 38             | 49           | 173        | 55        | 17.9        | 29.3           | 2.8          | 2.5          | 2.8             | 0.9           | 12.5       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |             |                |              |              |                 |               |            |
| 18 RO 91             | 5129  | -              | 55           | 265        | 150       | 6.3         | 43.0           | 1.3          | 2.9          | 1.8             | 1.0           | 12.3       |
| 19 RO 3412           | 4332  | -              | 61           | 240        | 153       | 5.6         | 39.8           | 1.0          | 0.0          | 1.5             | 1.0           | 12.2       |
| CHECK MEANS          | 5030  | -              | 62           | 252        | 151       | 6.0         | 41.4           | 1.1          | 1.5          | 1.6             | 1.0           | 12.3       |
| 5% LSD               | 583.7 |                | 0.3          | 21.2       | 16.2      |             | 4.6            |              |              |                 |               | 0.4        |
| C.V.                 | 11.3  |                | 1.1          | 7.8        | 13.4      |             | 8.7            |              |              |                 |               | 2.5        |

TABLE: 196-V-84

EVT16A YEAR 1964

BRAZIL

BARRETO'S

CO-OPERATOR:BRASKALB

| ENTRY NO./PEDIGREE | KS/HA  | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOADG | ROOT<br>LOADG | WEAR<br>RCT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|---------------|--------------|------------|-----------|---------------|---------------|-------------|----------------|---------------|------------|------|
|                    |        |               |              |            |           |               |               |             |                |               |            |      |
| 6 Capinopolis      | 8245   | 2783          | 57           | 50         | 191       | 93            | 61.9          | 0.0         | 18.0           | 44.0          | 0.8        | 15.8 |
| 16 Across          | 7845RE | 2690          | 55           | 52         | 199       | 102           | 70.5          | 0.0         | 23.8           | 44.0          | 0.9        | 16.8 |
| 12 Across          | 8245   | 2647          | 54           | 50         | 180       | 55            | 47.2          | 0.0         | 23.1           | 44.0          | 0.9        | 15.3 |
| 10 Sids (1)        | 8245   | 2372          | 49           | 50         | 179       | 93            | 42.6          | 0.0         | 21.9           | 44.0          | 0.9        | 15.3 |
| 11 Tlaltizapan     | 8245   | 2307          | 47           | 51         | 195       | 106           | 39.2          | 0.0         | 34.4           | 44.0          | 0.9        | 14.8 |
| 7 Islamabad        | 8245   | 2233          | 47           | 51         | 199       | 99            | 30.1          | 0.0         | 20.6           | 44.0          | 0.9        | 16.0 |
| 9 Sids             | 8245   | 2261          | 46           | 51         | 192       | 99            | 30.2          | 0.0         | 29.2           | 42.3          | 0.9        | 15.3 |
| 5 Tlaltizapan      | 8233   | 2199          | 45           | 51         | 198       | 94            | 54.9          | 1.7         | 33.3           | 43.8          | 1.0        | 15.3 |
| 3 Chiquisaca       | 8233   | 2151          | 44           | 50         | 198       | 89            | 54.6          | 5.1         | 30.4           | 43.0          | 0.9        | 16.0 |
| 1 Antalya          | 8233   | 2065          | 42           | 49         | 178       | 90            | 35.6          | 7.4         | 17.9           | 44.3          | 0.9        | 15.8 |
| 4 Rampur (1)       | 8233   | 2065          | 42           | 50         | 193       | 93            | 22.7          | 0.0         | 25.5           | 44.0          | 0.9        | 15.8 |
| 8 Islamabad (1)    | 8245   | 1944          | 40           | 51         | 194       | 92            | 52.8          | 0.0         | 20.2           | 44.0          | 0.8        | 15.0 |
| 2 Antalya (1)      | 8233   | 1597          | 33           | 49         | 192       | 86            | 51.7          | 0.0         | 25.3           | 44.0          | 0.8        | 14.8 |
| 15 Tlaltizapan     | 8248   | 730           | 15           | 46         | 170       | 72            | 90.9          | 0.0         | 39.8           | 44.0          | 0.7        | 18.0 |
| 13 Pirsabak        | 8248   | 702           | 14           | 47         | 183       | 73            | 61.8          | 0.0         | 30.2           | 42.8          | 0.6        | 15.8 |
| 17 Across          | 7748RE | 685           | 14           | 49         | 189       | 92            | 70.5          | 0.0         | 62.6           | 44.0          | 0.6        | 16.3 |
| 14 Pirsabak (1)    | 8248   | 595           | 12           | 47         | 176       | 72            | 86.9          | 0.0         | 47.6           | 44.0          | 0.5        | 18.3 |
| MEANS              | 1887   | 39            | 50           | 187        | 89        | 54.4          | 0.8           | 29.6        | 43.8           | 0.8           | 15.9       |      |
| MAXIMUM            | 2783   | 57            | 52           | 199        | 106       | 90.9          | 7.4           | 62.6        | 44.3           | 1.0           | 19.3       |      |
| MINIMUM            | 595    | 12            | 46           | 170        | 72        | 22.7          | 0.0           | 17.9        | 42.3           | 0.5           | 14.8       |      |
| CHECKS (TESTIGOS): |        |               |              |            |           |               |               |             |                |               |            |      |
| 19 XL-605          | 4368   | -             | 0            | 247        | 148       | 55.4          | 9.6           | 5.2         | 44.0           | 1.0           | 18.0       |      |
| 18 XL-580          | 4633   | -             | 0            | 234        | 141       | 54.5          | 13.6          | 9.8         | 44.0           | 0.9           | 18.3       |      |
| CHECK MEANS        | 4751   | -             | 0            | 240        | 144       | 60.0          | 11.6          | 7.5         | 44.0           | 0.9           | 18.1       |      |
| 5% LSD             | 255.3  |               | 0.9          | 10.1       | 7.1       |               |               |             | 0.8            |               | 1.7        |      |
| C.V.               | 3.2    |               | 1.4          | 3.7        | 5.2       |               |               |             | 1.3            |               | 7.3        |      |

TABLE: 197-V-84

EVT16A    YEAR 1984    BRAZIL    CRUZ ALTA  
 CO-OPERATOR:PECOTRIGO

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|----------------|---------------|------------|
| 11 Tlaltizapan 8245  | 4271  | 62             | 74           | 140        | 70        | 43.8           | 0.6           | 16.8       |
| 7 Islamabad 8245     | 3895  | 57             | 76           | 155        | 90        | 45.0           | 0.6           | 17.3       |
| 10 Sids (1) 8245     | 3815  | 56             | 70           | 130        | 100       | 41.5           | 0.6           | 17.0       |
| 3 Chiquisaca 8233    | 3748  | 55             | 72           | 155        | 90        | 39.8           | 0.7           | 19.3       |
| 16 Across 7845RE     | 3529  | 52             | 71           | 130        | 70        | 43.5           | 0.5           | 17.5       |
| 6 Capinopolis 8245   | 3464  | 51             | 71           | 160        | 90        | 45.5           | 0.5           | 15.8       |
| 4 Rampur (1) 8233    | 3401  | 50             | 74           | 155        | 95        | 45.0           | 0.6           | 16.0       |
| 5 Tlaltizapan 3233   | 3383  | 49             | 72           | 145        | 75        | 43.8           | 0.6           | 18.3       |
| 2 Antalya (1) 8233   | 3337  | 49             | 72           | 160        | 90        | 44.0           | 0.6           | 17.0       |
| 9 Sids 8245          | 3266  | 48             | 70           | 160        | 80        | 44.3           | 0.5           | 17.0       |
| 12 Across 8245       | 3253  | 48             | 72           | 130        | 70        | 43.8           | 0.6           | 16.8       |
| 8 Islamabad (1) 8245 | 3225  | 47             | 71           | 160        | 90        | 43.0           | 0.5           | 16.8       |
| 1 Antalya 8233       | 3164  | 46             | 72           | 140        | 70        | 45.0           | 0.6           | 17.3       |
| 17 Across 7748RE     | 1968  | 29             | 69           | 140        | 65        | 42.0           | 0.3           | 15.8       |
| 13 Pirsabak 8248     | 1414  | 21             | 69           | 110        | 60        | 41.5           | 0.3           | 14.5       |
| 15 Tlaltizapan 8248  | 1376  | 20             | 69           | 120        | 60        | 40.3           | 0.3           | 15.0       |
| 14 Pirsabak (1) 8248 | 1213  | 18             | 68           | 120        | 70        | 42.5           | 0.3           | 15.0       |
| MEANS                | 3042  | 44             | 71           | 145        | 79        | 43.2           | 0.5           | 16.6       |
| MAXIMUM              | 4271  | 62             | 76           | 190        | 100       | 45.5           | 0.7           | 19.3       |
| MINIMUM              | 1213  | 18             | 68           | 110        | 60        | 39.8           | 0.3           | 14.5       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |                |               |            |
| 19 LOCAL CHECK 2     | 6847  | -              | 82           | 195        | 110       | 37.3           | 1.0           | 22.0       |
| 18 LOCAL CHECK 1     | 3980  | -              | 92           | 200        | 100       | 35.8           | 0.6           | 20.3       |
| CHECK MEANS          | 5414  | -              | 82           | 197        | 105       | 36.5           | 0.8           | 21.1       |
| 5% LSD               | 671.2 |                |              |            |           | 3.6            |               | 1.9        |
| C.V.                 | 14.4  |                |              |            |           | 6.0            |               | 7.8        |

TABLE: 198-V-84

EVT16A YEAR 1984 BRAZIL COTRI JUI  
 CO-OPERATOR: CARBOMERA, R. COLOMBO, V.

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MCIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 3 Chiquisaca 8233    | 4265  | 82             | 61           | 155        | 93        | 12.9         | 7.2          | 25.5        | 36.8           | 2.0           | 28.9         | 2.8             | 1.1           | 17.3       |
| 6 Capinopolis 8245   | 4255  | 82             | 63           | 157        | 88        | 6.3          | 18.0         | 27.5        | 36.3           | 3.0           | 33.6         | 3.5             | 1.0           | 17.1       |
| 11 Tlaltizapan 8245  | 4207  | 81             | 64           | 160        | 99        | 8.0          | 12.7         | 32.8        | 37.5           | 3.3           | 23.1         | 2.8             | 1.1           | 17.1       |
| 7 Islamabad 8245     | 3967  | 76             | 61           | 161        | 85        | 10.9         | 15.4         | 23.9        | 39.0           | 2.8           | 20.9         | 2.8             | 1.0           | 17.2       |
| 9 Sids 8245          | 3922  | 75             | 61           | 154        | 84        | 5.2          | 25.3         | 38.8        | 34.3           | 3.8           | 37.5         | 3.3             | 1.0           | 17.1       |
| 5 Tlaltizapan 8233   | 3757  | 72             | 63           | 147        | 79        | 6.3          | 18.1         | 31.5        | 35.8           | 2.8           | 24.0         | 2.8             | 1.1           | 17.6       |
| 1 Antalya 8233       | 3744  | 72             | 61           | 149        | 85        | 6.2          | 12.0         | 26.5        | 36.8           | 2.8           | 28.1         | 3.5             | 1.1           | 17.4       |
| 10 Sids (1) 8245     | 3694  | 71             | 62           | 147        | 86        | 11.2         | 18.2         | 28.6        | 32.3           | 3.0           | 31.6         | 3.5             | 1.0           | 17.0       |
| 2 Antalya (1) 8233   | 3501  | 67             | 59           | 151        | 83        | 12.1         | 9.5          | 36.5        | 37.0           | 3.3           | 23.8         | 4.0             | 1.0           | 17.2       |
| 16 Across 7845RE     | 3474  | 67             | 67           | 156        | 82        | 8.0          | 8.8          | 33.1        | 34.0           | 3.8           | 36.4         | 3.8             | 1.0           | 17.2       |
| 8 Islamabad (1) 8245 | 3449  | 66             | 60           | 147        | 82        | 5.0          | 9.5          | 28.7        | 34.8           | 3.8           | 40.5         | 3.3             | 1.0           | 17.2       |
| 4 Rampur (1) 8233    | 3429  | 66             | 59           | 162        | 87        | 6.3          | 7.1          | 34.2        | 38.8           | 3.8           | 26.5         | 2.8             | 1.0           | 17.1       |
| 12 Across 8245       | 3387  | 65             | 62           | 146        | 81        | 8.6          | 10.1         | 29.7        | 37.5           | 3.5           | 18.2         | 4.0             | 1.0           | 16.9       |
| 15 Tlaltizapan 8248  | 2297  | 44             | 56           | 147        | 60        | 8.9          | 7.2          | 51.1        | 31.8           | 4.3           | 35.4         | 5.0             | 0.9           | 17.0       |
| 13 Pirsabak 9248     | 2141  | 41             | 57           | 145        | 77        | 11.0         | 7.5          | 58.1        | 33.0           | 4.8           | 20.5         | 4.8             | 1.0           | 16.6       |
| 14 Pirsabak (1) 8248 | 2091  | 40             | 56           | 143        | 67        | 10.2         | 10.6         | 55.8        | 31.0           | 4.5           | 31.0         | 5.0             | 0.9           | 16.8       |
| 17 Across 7748RE     | 1976  | 38             | 60           | 142        | 70        | 14.7         | 10.3         | 53.4        | 26.3           | 4.3           | 35.8         | 4.8             | 1.0           | 16.5       |
| MEANS                | 3386  | 65             | 61           | 151        | 82        | 8.9          | 12.2         | 36.2        | 34.9           | 3.5           | 29.2         | 3.6             | 1.0           | 17.1       |
| MAXIMUM              | 4265  | 82             | 67           | 162        | 99        | 14.7         | 25.3         | 58.1        | 39.0           | 4.8           | 40.5         | 5.0             | 1.1           | 17.6       |
| MINIMUM              | 1976  | 38             | 56           | 142        | 60        | 5.0          | 7.1          | 23.9        | 26.3           | 2.0           | 18.2         | 2.8             | 0.9           | 16.5       |
| CHECKS (TESTIGDS):   |       |                |              |            |           |              |              |             |                |               |              |                 |               |            |
| 19 LOCAL CHECK 2     | 5218  | -              | 71           | 169        | 100       | 43.1         | 7.1          | 21.5        | 38.0           | 3.0           | 19.9         | 3.8             | 1.1           | 17.2       |
| 18 LOCAL CHECK 1     | 4552  | -              | 66           | 163        | 98        | 25.0         | 11.5         | 18.0        | 34.3           | 2.0           | 19.4         | 3.0             | 1.1           | 17.3       |
| CHECK MEANS          | 4885  | -              | 68           | 166        | 99        | 34.1         | 9.3          | 19.7        | 36.1           | 2.5           | 19.7         | 3.4             | 1.1           | 17.2       |
| 5% LSD               | 939.2 |                | 4.0          | 15.9       | 12.4      |              |              |             | 4.8            |               |              |                 |               | 0.6        |
| C.V.                 | 18.7  |                | 4.6          | 7.4        | 10.5      |              |              |             | 9.6            |               |              |                 |               | 2.5        |

TABLE: 199-V-84

SVT164 YEAR 1984 BRAZIL PASSO FUNDO

CO-OPERATOR: GILBERTO POZAR, SEMENTES SELECCIONADAS

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|---------------|------------|
|                      |        |                |              |            |           |              |              |             |                |              |               |            |
| 7 Islamabad 8245     | 5354   | 70             | 66           | 182        | 86        | 23.0         | 41.5         | 19.0        | 43.5           | 1.0          | 1.0           | 21.5       |
| 3 Islamabad (1) 8245 | 5313   | 79             | 66           | 179        | 85        | 27.5         | 20.7         | 28.1        | 43.8           | 2.0          | 1.0           | 20.0       |
| 6 Capinopolis 8245   | 6219   | 79             | 65           | 172        | 84        | 17.0         | 51.1         | 24.0        | 44.0           | 2.0          | 1.0           | 21.0       |
| 11 Tlaltizapan 8245  | 6153   | 77             | 67           | 177        | 81        | 16.0         | 43.4         | 15.5        | 43.5           | 1.0          | 1.0           | 21.3       |
| 4 Rampur (1) 8233    | 6008   | 75             | 64           | 174        | 81        | 17.0         | 31.3         | 22.8        | 44.0           | 2.0          | 1.0           | 19.5       |
| 1 Antalya 8233       | 5934   | 74             | 63           | 157        | 70        | 16.5         | 28.1         | 19.0        | 44.0           | 3.0          | 1.0           | 23.0       |
| 5 Tlaltizapan 8233   | 5849   | 73             | 66           | 170        | 79        | 22.6         | 31.6         | 21.4        | 44.3           | 2.0          | 1.0           | 22.5       |
| 10 Sids (1) 8245     | 5333   | 73             | 65           | 173        | 81        | 14.3         | 47.0         | 25.2        | 43.3           | 2.0          | 1.0           | 21.0       |
| 16 Across 7545RF     | 5771   | 72             | 67           | 182        | 89        | 22.4         | 45.6         | 32.7        | 42.3           | 2.0          | 1.0           | 22.5       |
| 12 Across 8245       | 5707   | 72             | 66           | 158        | 71        | 13.0         | 48.7         | 21.9        | 42.0           | 2.0          | 1.1           | 21.5       |
| 9 Sids 8245          | 5660   | 71             | 65           | 180        | 79        | 18.2         | 54.5         | 19.9        | 42.5           | 1.0          | 1.0           | 22.0       |
| 3 Chiquisaca 8233    | 5533   | 69             | 64           | 163        | 80        | 17.6         | 42.0         | 30.8        | 44.0           | 2.0          | 1.0           | 24.3       |
| 2 Antalya (1) 8233   | 5453   | 68             | 62           | 156        | 76        | 14.5         | 31.0         | 20.4        | 44.5           | 2.0          | 1.1           | 22.0       |
| 13 Pirsajak 8248     | 4780   | 60             | 59           | 157        | 60        | 5.7          | 42.3         | 40.0        | 43.8           | 3.0          | 1.0           | 17.5       |
| 14 Pirsajak (1) 8248 | 4750   | 60             | 58           | 155        | 59        | 2.8          | 57.4         | 37.1        | 42.8           | 4.0          | 1.0           | 19.0       |
| 17 Across 7748RF     | 4320   | 54             | 51           | 171        | 72        | 9.1          | 53.4         | 37.0        | 42.3           | 4.0          | 1.0           | 19.5       |
| 15 Tlaltizapan 8248  | 4129   | 52             | 53           | 152        | 53        | 2.8          | 55.4         | 23.1        | 43.0           | 5.0          | 1.0           | 18.3       |
| MEANS                | 5374   | 70             | 64           | 169        | 76        | 15.3         | 43.8         | 25.8        | 43.4           | 2.4          | 1.0           | 21.0       |
| MAXIMUM              | 6354   | 80             | 67           | 182        | 89        | 27.5         | 57.4         | 40.0        | 44.5           | 5.0          | 1.1           | 24.3       |
| MINIMUM              | 4129   | 52             | 53           | 152        | 53        | 2.8          | 30.7         | 15.5        | 42.0           | 1.0          | 1.0           | 17.5       |
| CHECKS (TESTIGOS):   |        |                |              |            |           |              |              |             |                |              |               |            |
| 19 LOCAL CHECK 2     | 7975   | -              | 81           | 239        | 137       | 26.7         | 5.8          | 11.3        | 41.8           | 1.0          | 1.2           | 25.8       |
| 19 LOCAL CHECK 1     | 7559   | -              | 75           | 214        | 114       | 34.2         | 23.2         | 7.8         | 42.8           | 1.0          | 1.1           | 22.5       |
| CHECK MEANS          | 7767   | -              | 78           | 226        | 125       | 30.5         | 14.5         | 9.6         | 42.3           | 1.0          | 1.1           | 24.1       |
| 5% LSD               | 1413.2 |                | 1.0          | 17.4       | 9.2       |              |              |             | 2.5            |              |               | 2.7        |
| C.V.                 | 17.2   |                | 1.1          | 7.0        | 8.0       |              |              |             | 4.1            |              |               | 8.9        |

TABLE: 200-V-84

EVT16A      YEAR 1964      CHILE      SINCONADA-MAIPU  
 CO-OPERATOR: ALFREDO LUCHSINGEZ

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|--------|----------------|--------------|------------|-----------|----------------|---------------|------------|------|
| 17 Across          | 7748RE | 1246           | 84           | 78         | 230       | 143            | 34.5          | 1.3        | 32.8 |
| 10 Sids (1)        | 8245   | 1205           | 91           | 92         | 225       | 138            | 36.0          | 1.4        | 41.5 |
| 13 Pirsabak        | 8248   | 1097           | 74           | 75         | 215       | 135            | 36.0          | 1.2        | 33.3 |
| 16 Across          | 7845RE | 1092           | 73           | 84         | 240       | 153            | 36.0          | 1.2        | 38.6 |
| 2 Antalya (1)      | 8233   | 1051           | 71           | 90         | 215       | 135            | 36.0          | 1.2        | 33.8 |
| 11 Tlaltizapan     | 8245   | 1040           | 70           | 84         | 213       | 140            | 36.0          | 1.2        | 41.0 |
| 1 Antalya          | 8233   | 1033           | 70           | 81         | 200       | 123            | 34.0          | 1.4        | 37.5 |
| 15 Tlaltizapan     | 8248   | 1021           | 69           | 76         | 203       | 125            | 36.0          | 1.1        | 32.6 |
| 14 Pirsabak (1)    | 8248   | 1013           | 68           | 75         | 203       | 125            | 36.0          | 1.1        | 32.4 |
| 5 Tlaltizapan      | 8233   | 996            | 67           | 92         | 225       | 143            | 36.0          | 1.3        | 36.6 |
| 4 Rampur (1)       | 8233   | 991            | 67           | 82         | 235       | 150            | 36.0          | 1.3        | 33.9 |
| 8 Islamabad (1)    | 8245   | 988            | 66           | 83         | 240       | 148            | 36.0          | 1.2        | 42.1 |
| 6 Capinopolis      | 8245   | 984            | 66           | 83         | 238       | 153            | 36.0          | 1.2        | 41.4 |
| 3 Chiquisaca       | 8233   | 982            | 66           | 93         | 230       | 145            | 36.0          | 1.2        | 38.0 |
| 9 Sids             | 8245   | 978            | 66           | 83         | 230       | 143            | 36.0          | 1.1        | 41.6 |
| 7 Islamabad        | 8245   | 968            | 65           | 94         | 248       | 155            | 35.0          | 1.2        | 41.7 |
| 12 Across          | 8245   | 910            | 61           | 83         | 239       | 145            | 36.0          | 1.2        | 41.1 |
| MEANS              | 1035   | 70             | 91           | 225        | 141       | 35.7           | 1.2           | 37.6       |      |
| MAXIMUM            | 1246   | 94             | 94           | 249        | 155       | 36.0           | 1.4           | 42.1       |      |
| MINIMUM            | 910    | 61             | 75           | 200        | 123       | 34.0           | 1.1           | 32.4       |      |
| CHECKS (TESTIGOS): |        |                |              |            |           |                |               |            |      |
| 19 T-129           | 1486   | -              | 84           | 225        | 135       | 32.0           | 1.6           | 39.3       |      |
| 18 G-4195          | 1026   | -              | 79           | 205        | 123       | 29.5           | 1.4           | 29.5       |      |
| CHECK MEANS        | 1256   | -              | 81           | 215        | 128       | 30.8           | 1.5           | 34.4       |      |
| 5% LSD             | 151.2  |                | 0.4          | 15.3       | 13.3      | 2.6            |               | 4.3        |      |
| C.V.               | 10.1   |                | 0.3          | 5.8        | 6.7       | 5.2            |               | 8.2        |      |



TABLE: 201-V-84

EVT16A YEAR 1984 PARAGUAY CAACUPE  
 CO-OPERATOR: MARIC ESTIGARRIBIA, INS. AGRONÓMICO NACIONAL

| ENTRY NO./PEDIGREE   | KG/HA | BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|---------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 11 Tlaltizapan 8245  | 4258  | 160           | 73           | 153        | 45        | 4.1          | 1.8          | 6.1         | 43.3           | 3.3          | 15.2         | 3.0             | 1.0           | 18.0       |
| 9 Sids 8245          | 4195  | 159           | 74           | 150        | 40        | 7.5          | 0.6          | 10.8        | 43.5           | 3.5          | 23.2         | 3.0             | 0.9           | 17.7       |
| 6 Capinopolis 8245   | 4042  | 152           | 73           | 139        | 43        | 4.1          | 3.4          | 7.1         | 43.5           | 3.3          | 31.0         | 3.8             | 0.9           | 15.6       |
| 5 Tlaltizapan 8233   | 3962  | 145           | 74           | 140        | 38        | 2.8          | 2.3          | 10.4        | 43.8           | 3.8          | 23.7         | 3.8             | 1.0           | 16.8       |
| 10 Sids (1) 8245     | 3704  | 139           | 71           | 138        | 55        | 5.8          | 3.0          | 7.7         | 43.0           | 3.8          | 21.2         | 3.3             | 0.9           | 16.4       |
| 12 Across 8245       | 3554  | 137           | 74           | 140        | 45        | 4.6          | 2.3          | 7.4         | 43.5           | 3.8          | 18.4         | 3.3             | 0.9           | 16.7       |
| 16 Across 7945RE     | 3379  | 127           | 75           | 150        | 49        | 3.4          | 2.9          | 8.1         | 43.5           | 4.0          | 20.1         | 3.3             | 1.0           | 15.4       |
| 1 Antalya 8233       | 3365  | 126           | 67           | 130        | 22        | 5.2          | 0.6          | 8.4         | 43.5           | 4.5          | 16.4         | 3.5             | 0.9           | 16.6       |
| 8 Islamabad (1) 8245 | 3340  | 126           | 72           | 145        | 38        | 3.5          | 1.2          | 11.0        | 43.3           | 4.3          | 29.5         | 3.3             | 0.9           | 16.5       |
| 7 Islamabad 8245     | 3296  | 124           | 75           | 150        | 45        | 5.2          | 3.4          | 7.2         | 43.8           | 4.3          | 17.1         | 3.3             | 0.9           | 16.6       |
| 13 Pirsabak 8248     | 3165  | 119           | 70           | 125        | 33        | 1.7          | 4.1          | 15.0        | 43.3           | 4.8          | 15.4         | 3.8             | 0.9           | 13.4       |
| 4 Rampur (1) 8233    | 3150  | 118           | 73           | 135        | 40        | 3.5          | 1.2          | 7.6         | 43.0           | 4.3          | 22.2         | 3.5             | 0.9           | 15.2       |
| 2 Antalya (1) 8233   | 2961  | 111           | 73           | 128        | 40        | 3.4          | 2.9          | 13.1        | 43.3           | 4.8          | 26.9         | 3.8             | 0.9           | 15.8       |
| 15 Tlaltizapan 8248  | 2952  | 107           | 70           | 105        | 30        | 3.5          | 1.8          | 16.1        | 43.5           | 5.0          | 15.2         | 4.0             | 1.0           | 13.2       |
| 17 Across 7748RE     | 2586  | 101           | 71           | 130        | 37        | 6.4          | 1.7          | 17.5        | 42.8           | 5.0          | 25.1         | 4.0             | 0.9           | 14.4       |
| 3 Chiquisaca 8233    | 2531  | 95            | 72           | 120        | 33        | 3.4          | 1.1          | 12.1        | 42.3           | 4.8          | 17.3         | 3.8             | 0.9           | 15.2       |
| 14 Pirsabak (1) 8248 | 2478  | 92            | 69           | 95         | 24        | 4.6          | 1.8          | 23.6        | 43.0           | 5.0          | 16.0         | 4.0             | 0.9           | 12.5       |
| MEANS                | 3349  | 126           | 72           | 134        | 39        | 4.3          | 2.1          | 11.1        | 43.3           | 4.2          | 20.8         | 3.5             | 0.9           | 15.6       |
| MAXIMUM              | 4258  | 160           | 75           | 153        | 55        | 7.5          | 4.1          | 23.6        | 43.8           | 5.0          | 31.0         | 4.0             | 1.0           | 18.0       |
| MINIMUM              | 2478  | 92            | 67           | 95         | 24        | 1.7          | 0.6          | 5.1         | 42.8           | 3.3          | 15.2         | 3.0             | 0.9           | 12.5       |
| CHECKS (TESTIGES):   |       |               |              |            |           |              |              |             |                |              |              |                 |               |            |
| 18 GUARANI V-311     | 2660  | -             | 83           | 225        | 135       | 13.0         | 5.3          | 4.3         | 42.5           | 4.3          | 1.3          | 3.5             | 0.8           | 24.1       |
| 19 GERMINAL P-431    | 2475  | -             | 85           | 195        | 110       | 3.4          | 3.1          | 5.8         | 23.3           | 3.8          | 3.4          | 4.0             | 1.0           | 21.8       |
| CHECK MEANS          | 2568  | -             | 89           | 210        | 122       | 8.2          | 4.2          | 5.1         | 32.9           | 4.0          | 2.4          | 3.9             | 0.9           | 22.9       |
| 5% LSC               | 959.3 |               | 2.7          | 17.2       | 14.4      |              |              |             | 2.1            |              |              |                 |               | 2.2        |
| C.V.                 | 20.7  |               | 2.6          | 9.5        | 21.2      |              |              |             | 3.5            |              |              |                 |               | 9.4        |

TABLE: 202-V-84

EVT16A      YEAR 1984      PARAGUAY      CAPITAN MIRANDA

CO-OPERATOR:VERONICA MACHADO, C.P.I.A.

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | CURV | HELM<br>TURC | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |      |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|------|--------------|----------------|---------------|--------------|-----------------|------------|------|
| 9 Sids             | 8245   | 7123           | 107          | 75         | 155       | 71           | 2.8          | 11.4        | 3.8  | 1.5          | 2.8            | 44.0          | 2.8          | 31.6            | 3.8        | 17.2 |
| 7 Islamabad        | 8245   | 7016           | 105          | 75         | 161       | 79           | 3.5          | 7.6         | 6.6  | 1.5          | 2.3            | 43.0          | 2.5          | 31.3            | 3.5        | 16.8 |
| 16 Across          | 7845RE | 6866           | 103          | 78         | 169       | 81           | 6.4          | 6.3         | 12.3 | 1.3          | 2.3            | 43.3          | 2.8          | 39.1            | 3.3        | 17.6 |
| 11 Tlaltizapan     | 8245   | 6778           | 102          | 75         | 158       | 75           | 2.3          | 4.5         | 1.7  | 1.8          | 2.0            | 44.0          | 2.5          | 22.5            | 3.5        | 16.1 |
| 10 Sids (1)        | 8245   | 6707           | 101          | 73         | 155       | 70           | 4.1          | 5.9         | 5.8  | 1.8          | 2.3            | 42.0          | 3.3          | 26.3            | 3.3        | 15.1 |
| 5 Tlaltizapan      | 8233   | 6596           | 99           | 75         | 155       | 70           | 1.2          | 7.4         | 14.9 | 2.3          | 3.0            | 43.5          | 3.0          | 27.8            | 3.5        | 17.2 |
| 8 Islamabad (1)    | 8245   | 6562           | 98           | 75         | 160       | 81           | 2.9          | 3.5         | 5.2  | 2.3          | 2.3            | 43.3          | 3.0          | 42.6            | 3.0        | 16.1 |
| 6 Capinopolis      | 8245   | 6539           | 98           | 78         | 158       | 79           | 3.6          | 2.4         | 1.8  | 1.5          | 2.5            | 42.0          | 2.8          | 29.8            | 3.0        | 15.4 |
| 12 Across          | 8245   | 6363           | 95           | 76         | 151       | 75           | 4.2          | 3.6         | 4.2  | 1.3          | 1.8            | 42.3          | 3.0          | 26.0            | 3.0        | 15.7 |
| 4 Rampur (1)       | 8233   | 5994           | 90           | 75         | 159       | 80           | 1.8          | 5.3         | 14.3 | 1.3          | 2.3            | 42.3          | 3.8          | 42.7            | 3.3        | 15.9 |
| 3 Chiquisaca       | 8233   | 5350           | 88           | 75         | 148       | 66           | 3.5          | 4.1         | 23.7 | 1.5          | 3.0            | 43.3          | 3.3          | 25.7            | 2.8        | 15.5 |
| 2 Antalya (1)      | 8233   | 5834           | 89           | 74         | 143       | 68           | 6.3          | 6.3         | 17.3 | 1.8          | 2.8            | 43.8          | 3.0          | 28.3            | 3.3        | 15.9 |
| 1 Antalya          | 8233   | 5620           | 84           | 75         | 149       | 69           | 2.3          | 6.1         | 8.9  | 2.0          | 2.0            | 41.3          | 3.0          | 31.1            | 3.0        | 16.0 |
| 17 Across          | 7748RE | 5362           | 80           | 73         | 149       | 66           | 5.5          | 1.1         | 14.3 | 1.3          | 3.5            | 42.0          | 4.0          | 29.6            | 3.8        | 13.4 |
| 13 Pirsabak        | 8248   | 5190           | 78           | 70         | 149       | 65           | 5.8          | 15.7        | 22.9 | 1.0          | 3.5            | 43.3          | 4.5          | 25.3            | 4.0        | 12.4 |
| 15 Tlaltizapan     | 8248   | 5116           | 77           | 71         | 135       | 61           | 7.5          | 2.8         | 15.8 | 1.3          | 4.8            | 43.3          | 4.0          | 23.2            | 3.3        | 12.4 |
| 14 Pirsabak (1)    | 8248   | 4253           | 64           | 71         | 141       | 59           | 11.3         | 5.0         | 32.5 | 1.0          | 4.8            | 44.3          | 4.8          | 24.6            | 3.8        | 11.9 |
| MEANS              | 6104   | 92             | 74           | 152        | 72        | 4.4          | 5.8          | 12.1        | 1.5  | 2.8          | 43.0           | 3.3           | 29.9         | 3.3             | 15.3       |      |
| MAXIMUM            | 7123   | 107            | 78           | 169        | 81        | 11.3         | 15.7         | 32.5        | 2.3  | 4.8          | 44.3           | 4.8           | 42.7         | 4.0             | 17.6       |      |
| MINIMUM            | 4253   | 64             | 70           | 135        | 59        | 1.2          | 1.1          | 1.7         | 1.0  | 1.8          | 41.3           | 2.5           | 22.5         | 2.8             | 11.9       |      |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |             |      |              |                |               |              |                 |            |      |
| 19 GERMINAL P-491  | 6665   | -              | 94           | 229        | 135       | 2.1          | 9.2          | 1.2         | 1.0  | 1.5          | 34.5           | 2.3           | 20.7         | 3.5             | 23.6       |      |
| 18 GUARANI V-311   | 6142   | -              | 85           | 244        | 156       | 8.9          | 9.0          | 0.0         | 1.0  | 2.0          | 38.8           | 2.5           | 1.6          | 4.0             | 24.0       |      |
| CHECK MEANS        | 5404   | -              | 89           | 236        | 145       | 5.5          | 9.1          | 0.6         | 1.0  | 1.8          | 36.6           | 2.4           | 11.1         | 3.8             | 23.8       |      |
| 5% LSD             | 594.6  |                | 6.7          | 12.9       | 11.6      |              |              |             |      |              | 2.2            |               |              |                 |            |      |
| C.V.               | 9.0    |                | 6.2          | 5.7        | 10.4      |              |              |             |      |              | 3.7            |               |              |                 |            |      |

TABLE: 203-V-84

EVTICA YEAR 1984 PERU PIJKA  
 CO-OPERATOR: M. NEVADE B.

| ENTRY NO./PEDIGREE | KG/HA               | %BEST<br>CHECK | %EAR<br>RET | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|---------------------|----------------|-------------|---------------|----------------|--------------|-----------------|---------------|------------|------|
| 10 Sids (1)        | 8245                | 7347           | 102         | 17.6          | 3.3            | 38.5         | 2.3             | 3.0           | 1.2        | 14.7 |
| 16 Across          | 7845 <sup>ARM</sup> | 7195           | 101         | 24.2          | 4.0            | 35.0         | 2.3             | 3.0           | 1.1        | 14.5 |
| 9 Sids             | 8245                | 7187           | 100         | 22.6          | 3.5            | 44.0         | 2.3             | 2.9           | 1.0        | 14.5 |
| 6 Capinopolis      | 8245                | 7004           | 99          | 16.1          | 3.3            | 42.6         | 2.3             | 2.8           | 1.0        | 14.4 |
| 11 Tlaltizapan     | 8245                | 4969           | 97          | 24.2          | 3.9            | 41.5         | 2.0             | 2.5           | 1.1        | 14.5 |
| 4 Rampur (1)       | 8233                | 6941           | 97          | 11.2          | 4.0            | 42.0         | 2.3             | 3.0           | 1.0        | 14.3 |
| 12 Across          | 8245                | 6766           | 95          | 14.3          | 3.5            | 41.0         | 2.0             | 2.3           | 0.9        | 15.1 |
| 7 Islamabad        | 8245                | 6710           | 94          | 11.9          | 3.8            | 33.0         | 2.0             | 2.9           | 1.1        | 14.4 |
| 5 Tlaltizapan      | 8233                | 6491           | 91          | 15.9          | 3.5            | 41.3         | 2.5             | 2.5           | 1.1        | 14.4 |
| 8 Islamabad (1)    | 8245                | 6292           | 88          | 19.9          | 3.3            | 40.8         | 2.2             | 2.8           | 1.0        | 14.5 |
| 3 Chiquisaca       | 8233                | 6109           | 85          | 23.5          | 3.5            | 42.0         | 2.5             | 2.5           | 0.9        | 14.3 |
| 2 Antalya (1)      | 8233                | 5952           | 83          | 18.6          | 3.5            | 39.3         | 2.0             | 2.5           | 1.0        | 14.4 |
| 15 Tlaltizapan     | 8248                | 5012           | 70          | 73.9          | 3.3            | 36.3         | 1.0             | 2.5           | 1.0        | 13.9 |
| 1 Antalya          | 8233                | 4954           | 69          | 23.9          | 3.3            | 39.3         | 1.5             | 2.3           | 1.0        | 14.2 |
| 13 Pirsabak        | 8248                | 4942           | 69          | 66.1          | 3.3            | 36.5         | 1.3             | 2.5           | 1.0        | 13.8 |
| 17 Across          | 7748 <sup>RE</sup>  | 4310           | 60          | 100.0         | 3.5            | 41.0         | 1.0             | 2.5           | 0.9        | 13.7 |
| 14 Pirsabak (1)    | 8245                | 4240           | 59          | 73.4          | 3.3            | 40.5         | 1.0             | 2.0           | 0.8        | 14.1 |
| MEANS              | 6143                | 86             | 33.3        | 3.5           | 40.0           | 1.9          | 2.6             | 1.0           | 14.3       |      |
| MAXIMUM            | 7347                | 103            | 100.0       | 4.0           | 44.0           | 2.5          | 3.0             | 1.2           | 15.1       |      |
| MINIMUM            | 4240                | 59             | 11.2        | 3.3           | 35.0           | 1.0          | 2.0             | 0.8           | 13.7       |      |
| CHECKS (TESTIGOS): |                     |                |             |               |                |              |                 |               |            |      |
| 19 PM-102          | 7153                | -              | 11.9        | 3.8           | 42.8           | 2.2          | 3.0             | 1.0           | 16.1       |      |
| 18 PM-701          | 5889                | -              | 21.4        | 4.0           | 39.3           | 2.3          | 3.0             | 0.8           | 16.8       |      |
| CHECK MEANS        | 6521                | -              | 16.7        | 3.9           | 40.5           | 2.3          | 3.0             | 0.9           | 16.5       |      |
| S <sub>2</sub> LSC | 1488.2              |                |             |               | 6.9            |              |                 |               | 0.7        |      |
| C.V.               | 17.0                |                |             |               | 12.1           |              |                 |               | 3.2        |      |

TABLE: 204-V-84

EVT16A YEAR 1984 MEXICO CO. OREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR COTA

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | ROOT<br>LOGG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|---------------|------------|
| 11 Tlaltizapan 8245  | 7408  | 117            | 71           | 181        | 95        | 1.7          | 6.2          | 0.6         | 45.5           | 3.5           | 22.7         | 1.0           | 16.8       |
| 7 Islamabad 8245     | 7407  | 117            | 70           | 178        | 99        | 1.7          | 3.4          | 0.0         | 44.5           | 4.0           | 14.6         | 1.0           | 16.2       |
| 6 Capinopolis 8245   | 7186  | 114            | 70           | 178        | 85        | 0.0          | 7.0          | 2.3         | 42.8           | 3.9           | 21.8         | 1.0           | 16.3       |
| 9 Sids 8245          | 7068  | 112            | 71           | 194        | 91        | 1.2          | 5.2          | 2.4         | 42.8           | 3.8           | 18.4         | 1.0           | 17.4       |
| 10 Sids (1) 8245     | 7063  | 112            | 71           | 170        | 73        | 0.6          | 16.7         | 2.1         | 41.8           | 4.0           | 14.8         | 1.1           | 16.0       |
| 12 Across 8245       | 6828  | 108            | 72           | 175        | 68        | 1.1          | 5.1          | 1.8         | 44.0           | 3.9           | 17.6         | 1.0           | 16.3       |
| 16 Across 7845RE     | 6753  | 107            | 74           | 190        | 100       | 5.1          | 11.5         | 0.6         | 43.5           | 3.5           | 32.4         | 1.0           | 16.7       |
| 4 Rampur (1) 8233    | 6743  | 107            | 71           | 179        | 84        | 0.0          | 4.2          | 1.0         | 42.5           | 4.0           | 20.6         | 1.1           | 15.6       |
| 2 Antalya (1) 8233   | 6705  | 106            | 69           | 178        | 95        | 0.6          | 14.0         | 1.6         | 43.3           | 4.0           | 17.9         | 1.1           | 16.4       |
| 8 Islamabad (1) 8245 | 6534  | 105            | 71           | 188        | 86        | 1.7          | 5.4          | 1.2         | 42.8           | 3.8           | 23.9         | 1.0           | 16.3       |
| 3 Chiquisaca 8233    | 6446  | 102            | 69           | 181        | 103       | 3.5          | 8.7          | 0.5         | 42.8           | 4.0           | 13.9         | 1.1           | 17.8       |
| 5 Tlaltizapan 8233   | 6401  | 101            | 70           | 175        | 84        | 0.6          | 6.1          | 2.7         | 41.8           | 3.9           | 14.5         | 1.1           | 16.2       |
| 17 Across 7748RE     | 6347  | 100            | 69           | 198        | 100       | 2.5          | 14.4         | 3.5         | 41.5           | 2.9           | 17.0         | 1.1           | 15.8       |
| 1 Antalya 8233       | 6134  | 97             | 69           | 186        | 94        | 1.6          | 8.3          | 3.2         | 45.5           | 3.9           | 17.8         | 1.0           | 16.0       |
| 13 Pirsabak 8248     | 5811  | 92             | 66           | 180        | 81        | 1.2          | 3.0          | 2.5         | 41.5           | 3.3           | 32.9         | 1.0           | 15.1       |
| 14 Pirsabak (1) 8248 | 5552  | 88             | 68           | 159        | 60        | 5.8          | 2.9          | 2.3         | 42.8           | 2.9           | 17.5         | 1.0           | 14.6       |
| 15 Tlaltizapan 8248  | 4835  | 76             | 67           | 179        | 70        | 3.2          | 5.4          | 3.7         | 41.5           | 2.8           | 19.7         | 1.0           | 15.2       |
| MEANS                | 6548  | 103            | 70           | 180        | 86        | 1.9          | 7.5          | 1.9         | 43.0           | 3.6           | 19.9         | 1.0           | 16.1       |
| MAXIMUM              | 7408  | 117            | 74           | 198        | 103       | 5.8          | 16.7         | 3.7         | 45.5           | 4.0           | 32.9         | 1.1           | 17.8       |
| MINIMUM              | 4835  | 76             | 65           | 159        | 60        | 0.0          | 2.9          | 0.0         | 41.5           | 2.8           | 13.9         | 1.0           | 14.6       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |                |               |              |               |            |
| 19 V-526             | 6331  | -              | 22           | 214        | 128       | 7.3          | 6.5          | 7.8         | 42.3           | 3.9           | 15.9         | 1.0           | 20.2       |
| 18 V-455             | 5438  | -              | 43           | 204        | 106       | 0.0          | 7.7          | 7.5         | 31.3           | 3.8           | 20.3         | 1.1           | 20.2       |
| CHECK MEANS          | 5395  | -              | 32           | 208        | 116       | 3.6          | 7.1          | 7.7         | 36.8           | 3.8           | 18.1         | 1.1           | 20.2       |
| 5% LSD               | 699.8 |                | 21.6         | 17.3       | 15.1      |              |              |             | 2.9            |               |              |               | 2.0        |
| C.V.                 | 7.6   |                | 23.2         | 6.7        | 12.0      |              |              |             | 4.9            |               |              |               | 3.6        |

TABLE: 205-V-84

EVT16A YEAR 1984 MEXICO XALISCO(NAY)

CO-OPERATOR:ING. CARLOS AGUIRRE, E.S.A, U.A.N.

| ENTRY NO./PEDIGREE   | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|--------------|--------------|---------------|------------|
| 11 Tlaltizapan 8245  | 3111   | 90             | 59           | 155        | 61        | 11.0         | 9.9          | 8.1         | 3.3          | 23.8           | 2.5          | 0.0          | 1.0           | 18.3       |
| 12 Across 8245       | 2832   | 82             | 59           | 146        | 52        | 11.6         | 8.8          | 14.2        | 3.3          | 23.3           | 3.0          | 0.0          | 1.0           | 18.4       |
| 8 Islamabad (1) 8245 | 2561   | 74             | 62           | 165        | 57        | 14.0         | 10.2         | 5.4         | 3.5          | 21.0           | 3.5          | 0.0          | 1.1           | 17.6       |
| 6 Capinopolis 8245   | 2325   | 67             | 59           | 149        | 57        | 17.6         | 10.0         | 9.1         | 3.3          | 17.5           | 2.8          | 0.0          | 1.1           | 17.5       |
| 10 Sids (1) 8245     | 2253   | 65             | 58           | 142        | 55        | 19.5         | 16.4         | 9.4         | 3.3          | 18.3           | 3.0          | 0.0          | 1.0           | 17.6       |
| 1 Antalya 8233       | 2107   | 61             | 57           | 142        | 53        | 18.8         | 13.8         | 6.5         | 4.0          | 17.5           | 3.5          | 0.0          | 1.2           | 18.6       |
| 3 Chiquisaca 8233    | 2094   | 60             | 57           | 140        | 56        | 20.0         | 13.6         | 18.2        | 3.3          | 17.3           | 3.3          | 0.0          | 1.1           | 18.4       |
| 5 Tlaltizapan 8233   | 2076   | 60             | 58           | 142        | 54        | 12.4         | 14.3         | 10.5        | 3.0          | 19.3           | 3.5          | 0.0          | 1.0           | 17.2       |
| 2 Antalya (1) 8233   | 1963   | 57             | 56           | 137        | 50        | 15.5         | 12.5         | 8.4         | 3.5          | 18.3           | 3.5          | 0.0          | 1.0           | 17.3       |
| 7 Islamabad 8245     | 1927   | 56             | 59           | 147        | 56        | 18.0         | 17.7         | 21.6        | 3.8          | 15.5           | 3.8          | 0.0          | 1.1           | 18.3       |
| 16 Across 7845RE     | 1639   | 47             | 59           | 145        | 56        | 28.0         | 16.4         | 10.6        | 3.0          | 13.5           | 4.3          | 0.0          | 1.0           | 19.0       |
| 9 Sids 8245          | 1584   | 46             | 58           | 155        | 56        | 27.1         | 20.0         | 8.2         | 3.3          | 12.3           | 3.3          | 0.0          | 1.3           | 19.1       |
| 4 Rampur (1) 8233    | 1574   | 45             | 61           | 138        | 53        | 22.7         | 12.9         | 10.3        | 3.5          | 16.0           | 3.5          | 0.0          | 1.0           | 17.2       |
| 13 Pirsabak 8248     | 1245   | 36             | 55           | 146        | 45        | 40.3         | 25.0         | 41.7        | 3.8          | 13.5           | 4.3          | 0.0          | 2.2           | 17.8       |
| 17 Across 7748RE     | 1111   | 32             | 55           | 148        | 49        | 25.4         | 15.9         | 33.9        | 4.5          | 13.0           | 5.0          | 0.0          | 1.0           | 19.5       |
| 14 Pirsabak (1) 8248 | 821    | 24             | 55           | 133        | 40        | 38.0         | 18.7         | 60.4        | 4.8          | 12.0           | 5.0          | 0.0          | 1.2           | 18.0       |
| 15 Tlaltizapan 8248  | 757    | 22             | 55           | 136        | 39        | 28.1         | 17.0         | 35.5        | 3.8          | 11.3           | 5.0          | 0.0          | 1.2           | 19.8       |
| MEANS                | 1881   | 54             | 58           | 145        | 52        | 21.6         | 14.9         | 18.4        | 3.6          | 16.6           | 3.7          | 0.0          | 1.2           | 18.2       |
| MAXIMUM              | 3111   | 90             | 62           | 165        | 61        | 40.3         | 25.0         | 60.4        | 4.8          | 23.8           | 5.0          | 0.0          | 2.2           | 19.8       |
| MINIMUM              | 757    | 22             | 55           | 133        | 39        | 11.0         | 8.8          | 5.4         | 3.0          | 11.3           | 2.5          | 0.0          | 1.0           | 17.2       |
| CHECKS (TESTIGOS):   |        |                |              |            |           |              |              |             |              |                |              |              |               |            |
| 18 B-555             | 3469   | -              | 71           | 168        | 69        | 10.6         | 8.7          | 15.0        | 1.3          | 16.0           | 1.3          | 0.0          | 1.2           | 19.5       |
| 19 H-503             | 1951   | -              | 79           | 216        | 127       | 8.5          | 8.5          | 13.1        | 2.0          | 16.5           | 3.0          | 0.0          | 1.1           | 22.2       |
| CHECK MEANS          | 2710   | -              | 74           | 191        | 97        | 9.6          | 8.6          | 14.0        | 1.6          | 16.3           | 2.1          | 0.0          | 1.1           | 20.9       |
| Sq LSD               | 1206.5 |                | 4.0          | 18.5       | 10.0      |              |              |             |              | 7.5            |              |              |               | 1.2        |
| C.V.                 | 43.2   |                | 4.7          | 8.7        | 12.4      |              |              |             |              | 31.8           |              |              |               | 4.5        |

TABLE: 206-V-84

EVT16A YEAR 1984 YEMEN A.R. TAI2

CO-OPERATOR:ALI E. KAMBAL

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |     |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|----------------|---------------|--------------|-----------------|---------------|-----|
| 2 Antalya (1)      | 8233   | 3034           | 156          | 72         | 105       | 40           | 3.3          | 2.5            | 40.0          | 2.7          | 1.6             | 3.0           | 1.0 |
| 12 Across          | 8245   | 3005           | 154          | 73         | 108       | 47           | 0.0          | 2.5            | 38.3          | 3.0          | 4.6             | 2.7           | 1.0 |
| 9 Sids             | 8245   | 2888           | 148          | 75         | 107       | 47           | 0.8          | 2.8            | 38.3          | 2.3          | 4.2             | 2.7           | 1.0 |
| 11 Tlaltizapan     | 8245   | 2849           | 146          | 73         | 103       | 52           | 0.0          | 2.4            | 40.0          | 2.7          | 4.8             | 3.0           | 0.9 |
| 1 Antalya          | 8233   | 2830           | 145          | 71         | 112       | 42           | 1.0          | 1.6            | 38.7          | 2.0          | 6.2             | 2.0           | 1.0 |
| 6 Capinopolis      | 8245   | 2750           | 141          | 74         | 107       | 48           | 0.0          | 2.5            | 40.0          | 2.7          | 8.8             | 2.7           | 0.9 |
| 3 Chiquisaca       | 8233   | 2723           | 140          | 74         | 97        | 43           | 0.0          | 0.0            | 36.0          | 2.3          | 6.6             | 3.0           | 1.0 |
| 4 Rampur (1)       | 8233   | 2579           | 132          | 73         | 95        | 38           | 0.8          | 1.0            | 38.7          | 2.3          | 6.2             | 2.7           | 1.0 |
| 5 Tlaltizapan      | 8233   | 2525           | 130          | 76         | 112       | 52           | 0.0          | 1.7            | 38.3          | 2.3          | 4.5             | 2.7           | 1.0 |
| 17 Across          | 7748RE | 2466           | 127          | 72         | 105       | 45           | 1.7          | 0.0            | 40.0          | 2.7          | 7.4             | 2.7           | 1.0 |
| 13 Pirsabak        | 8248   | 2427           | 125          | 67         | 117       | 43           | 1.7          | 3.8            | 37.7          | 3.3          | 1.0             | 3.0           | 1.0 |
| 16 Across          | 7845RE | 2415           | 124          | 78         | 113       | 53           | 0.0          | 0.0            | 38.7          | 2.3          | 5.6             | 2.7           | 0.9 |
| 10 Sids (1)        | 8245   | 2408           | 124          | 70         | 90        | 33           | 2.6          | 4.4            | 38.0          | 3.0          | 2.0             | 2.7           | 0.9 |
| 8 Islamabad (1)    | 8245   | 2314           | 119          | 72         | 93        | 40           | 0.0          | 1.7            | 37.7          | 2.7          | 4.9             | 2.3           | 0.9 |
| 15 Tlaltizapan     | 8248   | 2290           | 118          | 69         | 95        | 28           | 1.8          | 11.3           | 36.0          | 3.0          | 5.5             | 3.3           | 1.0 |
| 14 Pirsabak (1)    | 8248   | 2154           | 111          | 70         | 93        | 33           | 8.5          | 3.5            | 38.7          | 3.3          | 5.8             | 3.7           | 0.9 |
| 7 Islamabad        | 8245   | 2151           | 110          | 73         | 113       | 51           | 0.9          | 1.0            | 35.3          | 3.3          | 0.0             | 3.0           | 0.9 |
| MEANS              | 2577   | 132            | 73           | 104        | 43        | 1.4          | 2.5          | 38.3           | 2.7           | 4.7          | 2.8             | 1.0           |     |
| MAXIMUM            | 3034   | 156            | 78           | 117        | 53        | 8.5          | 11.3         | 40.0           | 3.3           | 8.8          | 3.7             | 1.0           |     |
| MINIMUM            | 2151   | 110            | 67           | 90         | 28        | 0.0          | 0.0          | 35.3           | 2.0           | 0.0          | 2.0             | 0.9           |     |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |                |               |              |                 |               |     |
| 19 OSEIFRA         | 1947   | -              | 73           | 137        | 57        | 0.8          | 5.6          | 33.7           | 3.3           | 6.7          | 3.7             | 1.2           |     |
| 18 KHAMALLEN       | 1705   | -              | 81           | 118        | 55        | 0.0          | 0.8          | 35.7           | 2.7           | 0.0          | 2.3             | 0.9           |     |
| CHECK MEANS        | 1826   | -              | 77           | 127        | 55        | 0.4          | 3.2          | 34.7           | 3.0           | 3.3          | 3.0             | 1.0           |     |
| 5% LSC             | 959.7  |                | 4.2          | 21.4       | 15.1      |              |              | 5.6            |               |              |                 |               |     |
| C.V.               | 23.2   |                | 3.5          | 12.2       | 20.4      |              |              | 8.9            |               |              |                 |               |     |

TABLE: 207-V-84

YEAR: 1984

TRIAL: EVT16A  
MEANS ACROSS 29 LOCATIONS

| ENTRY NO. AND NAME   | PARENT POPULATION    | REGION      |              |               |              |              | OVER ALL       |              |        |
|----------------------|----------------------|-------------|--------------|---------------|--------------|--------------|----------------|--------------|--------|
|                      |                      | I<br>KG./HA | II<br>KG./HA | III<br>KG./HA | IV<br>KG./HA | VI<br>KG./HA | DAYS<br>FLOWER | PLANT<br>HT. | KG./HA |
| 6 Capinopolis 8245   | Amarillo Bajio       | 4815        | 6059         | 5660          | 3470         | 5081         | 63             | 189          | 5077   |
| 11 Tlaltizapan 8245  | Amarillo Bajio       | 4796        | 6647         | 5170          | 2854         | 4862         | 64             | 191          | 4949   |
| 10 Sids (1) 8245     | Amarillo Bajio       | 4692        | 6006         | 5285          | 2875         | 5196         | 63             | 187          | 4894   |
| 7 Islamabad 8245     | Amarillo Bajio       | 4593        | 6106         | 5592          | 3051         | 4561         | 63             | 193          | 4875   |
| 12 Across 8245       | Amarillo Bajio       | 4459        | 6210         | 5540          | 3048         | 5110         | 63             | 185          | 4865   |
| 16 Across 7845RE     | Amarillo Bajio       | 4636        | 5823         | 5229          | 2619         | 5265         | 65             | 190          | 4824   |
| 8 Islamabad (1) 8245 | Amarillo Bajio       | 4330        | 5811         | 5664          | 2984         | 5160         | 63             | 191          | 4791   |
| 9 Sids 8245          | Amarillo Bajio       | 4583        | 5583         | 5284          | 3191         | 4772         | 64             | 194          | 4775   |
| 3 Chiquisaca 8233    | Amarillo Subtropical | 4289        | 5739         | 5067          | 2862         | 4911         | 63             | 185          | 4588   |
| 5 Tlaltizapan 8233   | Amarillo Subtropical | 4329        | 5637         | 4942          | 2873         | 4922         | 64             | 186          | 4570   |
| 1 Antalya 8233       | Amarillo Subtropical | 4037        | 5396         | 4923          | 2729         | 4733         | 62             | 183          | 4368   |
| 4 Rampur (1) 8233    | Amarillo Subtropical | 4127        | 5582         | 4561          | 2447         | 4438         | 64             | 188          | 4296   |
| 2 Antalya (1) 8233   | Amarillo Subtropical | 4003        | 5598         | 4250          | 3399         | 4562         | 62             | 183          | 4244   |
| 17 Across 774PRE     | Compuesto de Hungary | 3312        | 4674         | 5199          | 3071         | 3596         | 60             | 187          | 3910   |
| 13 Pirsabak 8248     | Compuesto de Hungary | 3178        | 4252         | 5515          | 2487         | 3947         | 58             | 177          | 3871   |
| 15 Tlaltizapan 8248  | Compuesto de Hungary | 3091        | 3925         | 5181          | 2547         | 4452         | 59             | 169          | 3773   |
| 14 Pirsabak (1) 8248 | Compuesto de Hungary | 2830        | 4051         | 4929          | 2150         | 3356         | 58             | 168          | 3458   |
| Mean                 |                      | 4124        | 5476         | 5176          | 2862         | 4643         | 62             | 185          | 4478   |
| No of Locations      |                      | 14          | 3            | 7             | 2            | 3            | 26             | 28           | 29     |

Region I= South America

II= North, Central America and the Caribbean

III= Mideast

IV= West Africa

VI= Asia

TABLE: 208-V-84

EVT163 YEAR 1984 ARGENTINA PERGAMINO

CO-OPERATOR: ING. L. A. JAMILANO, INTA

| ENTRY NO./PEDIGREE | KG/HA | HTEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
|                    |       |                |              |            |           |              |             |                |               |              |                 |               |            |
| 6 Tlaltizapan 8244 | 4378  | 91             | 74           | 205        | 100       | 5.2          | 0.0         | 43.5           | 1.0           | 10.8         | 1.0             | 0.8           | 28.1       |
| 7 Tlaltizapan 3247 | 4767  | 89             | 49           | 201        | 96        | 9.1          | 0.0         | 39.0           | 2.0           | 6.6          | 4.0             | 0.8           | 25.0       |
| 4 Sids 8244        | 4533  | 74             | 74           | 217        | 110       | 4.9          | 0.0         | 41.3           | 2.0           | 7.1          | 1.0             | 0.8           | 29.6       |
| 9 Across 7344PE    | 4500  | 84             | 73           | 206        | 103       | 4.9          | 0.0         | 41.3           | 3.0           | 5.9          | 1.0             | 0.8           | 29.2       |
| 3 Across 3134      | 4082  | 74             | 71           | 197        | 104       | 7.2          | 0.0         | 41.5           | 3.0           | 8.6          | 3.0             | 0.8           | 26.6       |
| 5 Sids (1) 8244    | 4079  | 74             | 72           | 205        | 106       | 3.8          | 0.0         | 41.3           | 3.0           | 11.5         | 2.0             | 0.7           | 29.0       |
| 2 Lambo (1) 1134   | 3919  | 73             | 70           | 203        | 107       | 4.1          | 0.0         | 43.0           | 3.0           | 11.7         | 2.0             | 0.8           | 26.3       |
| 1 Lambo 7104       | 3729  | 69             | 70           | 208        | 107       | 7.2          | 0.0         | 42.0           | 3.0           | 15.5         | 3.0             | 0.7           | 26.5       |
| 8 Across 7734RE    | 3393  | 69             | 67           | 193        | 102       | 4.3          | 0.0         | 40.3           | 3.0           | 10.7         | 2.0             | 0.8           | 21.8       |
| MEANS              | 4209  | 78             | 71           | 203        | 104       | 5.6          | 0.0         | 41.4           | 2.6           | 9.8          | 2.1             | 0.8           | 26.9       |
| MAXIMUM            | 4767  | 91             | 74           | 217        | 110       | 9.1          | 0.0         | 43.5           | 3.0           | 15.5         | 4.0             | 0.8           | 29.6       |
| MINIMUM            | 3393  | 69             | 67           | 193        | 96        | 3.8          | 0.0         | 39.0           | 1.0           | 5.9          | 1.0             | 0.7           | 21.8       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |             |                |               |              |                 |               |            |
| 11 CARGILL 350     | 5373  | -              | 67           | 201        | 95        | 8.3          | 0.0         | 39.0           | 2.0           | 7.1          | 3.0             | 0.9           | 20.8       |
| 10 AGUACA INTA     | 4513  | -              | 65           | 195        | 96        | 11.3         | 0.0         | 42.3           | 3.0           | 7.4          | 3.0             | 0.8           | 21.7       |
| CHECK MEANS        | 4395  | -              | 67           | 198        | 90        | 9.8          | 0.0         | 40.6           | 2.5           | 7.2          | 3.0             | 0.9           | 21.3       |
| 5" LSD             | 775.2 |                | 1.4          | 9.4        | 8.5       |              |             | 2.3            |               |              |                 |               |            |
| C.V.               | 12.3  |                | 1.4          | 3.2        | 5.5       |              |             | 3.9            |               |              |                 |               |            |



TABLE: 209-V-84

EVT16B YEAR 1984 BCLIVIA ISOPERENOA

CO-OPERATOR:ALBERTO HINOJOSA PADILLA, CORDECH

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STFM<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 5 Sids (1) 8244    | 6173   | 138            | 59           | 212        | 108       | 3.7          | 9.2         | 31.3           | 1.8           | 1.3             | 1.1           | 14.6       |
| 1 Lambo 3134       | 5554   | 124            | 54           | 205        | 113       | 1.7          | 11.3        | 32.0           | 1.9           | 1.5             | 1.3           | 15.6       |
| 7 Tlaltizapan 8247 | 5389   | 120            | 53           | 208        | 110       | 1.0          | 12.5        | 33.5           | 1.5           | 1.3             | 1.0           | 14.5       |
| 8 Across 7734RE    | 5243   | 117            | 55           | 198        | 98        | 5.5          | 11.0        | 35.5           | 1.8           | 2.5             | 1.2           | 16.2       |
| 6 Tlaltizapan 8244 | 5205   | 116            | 59           | 205        | 105       | 1.6          | 10.3        | 33.5           | 1.8           | 1.3             | 1.0           | 14.9       |
| 3 Across 8134      | 5117   | 114            | 55           | 205        | 103       | 1.5          | 17.2        | 34.3           | 1.5           | 1.5             | 1.0           | 14.6       |
| 2 Lambo (1) 8134   | 4937   | 110            | 54           | 203        | 103       | 4.8          | 12.8        | 34.3           | 1.5           | 1.3             | 1.0           | 14.9       |
| 4 Sids 8244        | 4543   | 101            | 59           | 220        | 113       | 4.5          | 10.5        | 35.8           | 1.5           | 1.5             | 0.9           | 15.1       |
| 9 Across 7844RE    | 3780   | 84             | 59           | 220        | 115       | 2.5          | 7.7         | 32.3           | 2.3           | 1.5             | 0.9           | 15.2       |
| MEANS              | 5105   | 114            | 56           | 208        | 107       | 3.0          | 11.4        | 33.6           | 1.7           | 1.5             | 1.0           | 15.1       |
| MAXIMUM            | 6173   | 138            | 59           | 220        | 115       | 5.5          | 17.2        | 35.8           | 2.3           | 2.5             | 1.3           | 16.2       |
| MINIMUM            | 3780   | 84             | 53           | 198        | 98        | 1.0          | 7.7         | 31.3           | 1.5           | 1.3             | 0.9           | 14.5       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |             |                |               |                 |               |            |
| 11 IBOP-5          | 4488   | -              | 64           | 245        | 140       | 1.5          | 7.2         | 31.3           | 1.5           | 1.8             | 1.0           | 15.9       |
| 10 IBOP. GPACC 2   | 4389   | -              | 63           | 233        | 133       | 2.2          | 10.4        | 36.3           | 1.5           | 1.3             | 0.9           | 16.6       |
| CHECK MEANS        | 4438   | -              | 63           | 238        | 136       | 1.8          | 8.8         | 33.8           | 1.5           | 1.5             | 0.9           | 16.3       |
| % LSD              | 1416.5 |                | 1.4          | 23.3       | 18.7      |              |             | 6.3            |               |                 |               | 1.5        |
| C.V.               | 19.7   |                | 1.7          | 7.6        | 11.5      |              |             | 12.9           |               |                 |               | 6.7        |

TABLE: 210-V-84

EVT16B      YEAR 1984      BRAZIL      CRUZ ALTA  
 CO-OPERATOR:FECOTRIGO

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|----------------|---------------|------------|
| 4 Sids 8244        | 6030  | 99             | 91           | 180        | 90        | 42.5           | 0.9           | 13.0       |
| 6 Tlaltizapan 8244 | 5490  | 98             | 79           | 165        | 90        | 44.9           | 0.9           | 13.0       |
| 5 Sids (1) 8244    | 5831  | 96             | 79           | 180        | 90        | 45.5           | 0.8           | 13.0       |
| 9 Across 7844RE    | 5791  | 95             | 90           | 200        | 90        | 44.3           | 0.8           | 13.0       |
| 3 Across 8134      | 5136  | 94             | 75           | 160        | 90        | 43.8           | 0.8           | 13.0       |
| 2 Lambo (1) 8134   | 4963  | 82             | 77           | 180        | 80        | 43.5           | 0.8           | 13.0       |
| 1 Lambo 8134       | 4566  | 75             | 78           | 130        | 75        | 43.3           | 0.8           | 13.0       |
| 8 Across 7734RE    | 4442  | 73             | 76           | 165        | 90        | 43.0           | 0.8           | 13.0       |
| 7 Tlaltizapan 8247 | 4342  | 71             | 75           | 140        | 70        | 45.0           | 0.6           | 13.0       |
| MEANS              | 5230  | 86             | 78           | 172        | 84        | 43.9           | 0.8           | 13.0       |
| MAXIMUM            | 6030  | 99             | 91           | 200        | 90        | 45.5           | 0.9           | 13.0       |
| MINIMUM            | 4342  | 71             | 75           | 140        | 70        | 42.5           | 0.6           | 13.0       |
| CHECKS (TESTIGOS): |       |                |              |            |           |                |               |            |
| 11 LOCAL CHECK 2   | 6079  | -              | 81           | 190        | 95        | 41.0           | 0.8           | 13.0       |
| 10 LOCAL CHECK 1   | 5260  | -              | 90           | 190        | 90        | 35.5           | 0.9           | 13.0       |
| CHECK MEANS        | 5670  | -              | 80           | 190        | 92        | 38.3           | 0.9           | 13.0       |
| 5% LSD             | 772.3 |                |              |            |           | 3.9            |               |            |
| C.V.               | 10.1  |                |              |            |           | 6.3            |               |            |

TABLE: 211-V-84

EVT168 YEAR 1984 BRAZIL COTRI JUI

CO-OPERATOR: CARBONERA, R., COLOMBO, V.

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LDDG | RCOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLANT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|----------------|------------|
| 4 Sids 8244        | 5672  | 92             | 81           | 171        | 98        | 11.4         | 61.1         | 16.2        | 42.3           | 3.3           | 32.8         | 3.3             | 1.0            | 16.8       |
| 6 Tlaltizapan 8244 | 5591  | 91             | 80           | 162        | 95        | 6.0          | 86.8         | 16.1        | 41.3           | 3.5           | 32.2         | 4.0             | 1.1            | 16.9       |
| 5 Sids (1) 8244    | 5414  | 88             | 81           | 164        | 97        | 9.4          | 83.7         | 21.3        | 42.8           | 2.8           | 29.6         | 3.3             | 1.1            | 17.1       |
| 9 Across 7844RE    | 5407  | 88             | 81           | 171        | 100       | 12.0         | 63.3         | 14.3        | 39.5           | 2.8           | 26.1         | 2.8             | 1.1            | 16.9       |
| 2 Lambo (1) 8134   | 5202  | 85             | 81           | 165        | 98        | 7.7          | 83.3         | 19.5        | 41.8           | 4.0           | 27.1         | 3.3             | 1.1            | 17.1       |
| 8 Across 7734RE    | 4476  | 73             | 74           | 156        | 98        | 11.8         | 85.2         | 11.1        | 39.0           | 4.0           | 24.1         | 4.3             | 1.2            | 17.0       |
| 1 Lambo 8134       | 4380  | 71             | 80           | 159        | 93        | 5.5          | 83.4         | 14.8        | 40.3           | 4.3           | 30.7         | 4.0             | 1.1            | 17.0       |
| 7 Tlaltizapan 8247 | 4277  | 70             | 76           | 148        | 90        | 20.2         | 56.9         | 24.8        | 39.0           | 4.3           | 31.3         | 4.5             | 1.0            | 16.7       |
| 3 Across 8134      | 4178  | 68             | 81           | 151        | 94        | 5.8          | 88.5         | 20.5        | 39.0           | 4.5           | 29.7         | 4.8             | 1.1            | 16.8       |
| MEANS              | 4955  | 81             | 79           | 161        | 96        | 10.0         | 76.9         | 17.6        | 40.5           | 3.7           | 29.3         | 3.8             | 1.1            | 16.9       |
| MAXIMUM            | 5672  | 92             | 81           | 171        | 100       | 20.2         | 88.5         | 24.8        | 42.8           | 4.5           | 32.8         | 4.8             | 1.2            | 17.1       |
| MINIMUM            | 4178  | 68             | 74           | 148        | 90        | 5.5          | 56.9         | 11.1        | 39.0           | 2.8           | 24.1         | 2.8             | 1.0            | 16.7       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |                |               |              |                 |                |            |
| 11 LOCAL CHECK 2   | 6154  | -              | 81           | 173        | 107       | 31.2         | 59.8         | 11.5        | 40.0           | 2.0           | 23.6         | 4.0             | 1.2            | 16.7       |
| 10 LOCAL CHECK 1   | 4784  | -              | 81           | 164        | 102       | 16.3         | 81.2         | 12.0        | 38.5           | 2.8           | 27.9         | 3.8             | 1.2            | 17.0       |
| CHECK MEANS        | 5469  | -              | 81           | 168        | 104       | 23.7         | 70.5         | 11.7        | 39.3           | 2.4           | 25.7         | 3.9             | 1.2            | 16.8       |
| 5% LSO             | 879.4 |                | 1.5          | 13.6       | 11.9      |              |              |             | 2.7            |               |              |                 |                | 0.4        |
| C.V.               | 12.1  |                | 1.3          | 5.8        | 8.5       |              |              |             | 4.6            |               |              |                 |                | 1.7        |

TABLE: 212-V-84

EVT168 YEAR 1984 MEXICO C7. OREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR COSTA, INIA CIANO

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 6 Tlaltizapan 8244 | 6916   | 109            | 83           | 191        | 93        | 0.0          | 15.5         | 1.9         | 41.8           | 3.9          | 36.4         | 0.5           | 18.0       |
| 5 Sids (1) 8244    | 6382   | 108            | 81           | 189        | 103       | 1.8          | 16.9         | 4.0         | 43.0           | 4.0          | 31.9         | 0.4           | 20.9       |
| 7 Tlaltizapan 8247 | 6745   | 106            | 78           | 188        | 98        | 1.7          | 4.6          | 1.1         | 43.0           | 4.3          | 18.3         | 0.5           | 14.7       |
| 4 Sids 8244        | 6673   | 105            | 85           | 195        | 104       | 6.4          | 29.3         | 1.6         | 42.5           | 3.8          | 23.2         | 0.4           | 16.9       |
| 3 Across 8134      | 6459   | 101            | 79           | 180        | 93        | 2.3          | 6.5          | 5.7         | 41.0           | 4.0          | 18.9         | 0.5           | 18.2       |
| 1 Lambo 8134       | 6437   | 101            | 82           | 189        | 89        | 1.2          | 9.4          | 1.7         | 40.8           | 4.0          | 27.4         | 0.5           | 18.0       |
| 2 Lambo (1) 6134   | 6036   | 95             | 84           | 182        | 94        | 1.2          | 10.1         | 3.3         | 42.8           | 4.0          | 17.4         | 0.4           | 16.3       |
| 9 Across 7944RE    | 5610   | 88             | 84           | 192        | 104       | 1.8          | 17.2         | 2.2         | 42.3           | 3.8          | 26.6         | 0.4           | 18.6       |
| 8 Across 7734RE    | 4986   | 73             | 74           | 171        | 83        | 1.6          | 14.7         | 4.8         | 35.3           | 3.9          | 17.4         | 0.5           | 17.6       |
| MEANS              | 6305   | 99             | 81           | 188        | 95        | 2.0          | 13.8         | 2.9         | 41.4           | 3.9          | 24.2         | 0.5           | 17.7       |
| MAXIMUM            | 6916   | 109            | 85           | 198        | 104       | 6.4          | 29.3         | 5.7         | 43.0           | 4.3          | 36.4         | 0.5           | 20.9       |
| MINIMUM            | 4986   | 73             | 74           | 171        | 83        | 0.0          | 4.6          | 1.1         | 35.3           | 3.8          | 17.4         | 0.4           | 14.7       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |             |                |              |              |               |            |
| 10 V-425           | 6365   | -              | 79           | 191        | 91        | 0.0          | 10.3         | 7.6         | 41.3           | 3.9          | 18.5         | 0.4           | 15.5       |
| 11 V-455           | 6347   | -              | 86           | 190        | 101       | 0.0          | 12.0         | 1.2         | 27.3           | 3.9          | 20.5         | 0.4           | 16.3       |
| CHECK MEANS        | 6356   | -              | 72           | 170        | 96        | 0.0          | 11.1         | 4.4         | 34.3           | 3.9          | 19.5         | 0.4           | 15.9       |
| 5% LSD             | 1093.5 |                | 19.2         | 14.7       | 14.4      |              |              | 5.5         | 3.9            |              |              |               |            |
| C.V.               | 12.0   |                | 16.8         | 5.4        | 10.4      |              |              | 120.2       | 6.7            |              |              |               |            |

TABLE: 213-V-84

EVT168 YEAR 1984 MEXICO XALISCO(NAY)

CO-OPERATOR:ING. CARLOS AGUIRRE, E.S.A, U.A.N.

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 6 Tlaltizapan 8244 | 3949   | 89             | 66           | 188        | 90        | 5.4          | 6.3          | 1.0         | 2.5          | 27.8           | 2.3          | 9.6          | 2.5             | 1.0           | 24.3       |
| 5 Sids (1) 8244    | 3556   | 81             | 64           | 183        | 91        | 5.9          | 8.3          | 10.5        | 3.8          | 21.0           | 2.8          | 10.0         | 3.5             | 1.3           | 24.2       |
| 7 Tlaltizapan 8247 | 3537   | 80             | 59           | 179        | 80        | 6.0          | 4.1          | 15.4        | 3.5          | 25.0           | 2.8          | 12.4         | 3.8             | 1.1           | 23.5       |
| 3 Across 8134      | 3529   | 80             | 59           | 164        | 71        | 5.3          | 5.4          | 3.7         | 3.0          | 23.5           | 2.0          | 14.8         | 4.0             | 1.0           | 20.3       |
| 8 Across 7734RE    | 3088   | 70             | 60           | 172        | 76        | 11.7         | 4.7          | 6.5         | 4.5          | 21.5           | 3.3          | 12.1         | 5.0             | 1.2           | 19.2       |
| 9 Across 7844RE    | 3061   | 69             | 66           | 181        | 88        | 8.7          | 7.6          | 1.1         | 3.3          | 22.8           | 3.3          | 12.0         | 3.5             | 1.0           | 23.4       |
| 4 Sids 8244        | 2998   | 68             | 67           | 187        | 90        | 8.3          | 6.4          | 3.0         | 2.8          | 22.5           | 2.8          | 13.8         | 2.5             | 1.1           | 21.0       |
| 1 Lambo 8134       | 2832   | 64             | 62           | 185        | 80        | 9.5          | 6.1          | 8.5         | 3.3          | 20.5           | 3.3          | 13.4         | 3.5             | 1.2           | 21.3       |
| 2 Lambo (1) 8134   | 2515   | 57             | 64           | 176        | 83        | 7.9          | 5.4          | 10.7        | 2.8          | 20.5           | 3.3          | 17.8         | 3.5             | 1.0           | 23.7       |
| MEANS              | 3229   | 73             | 63           | 179        | 83        | 7.6          | 6.0          | 6.7         | 3.3          | 22.8           | 2.8          | 12.9         | 3.5             | 1.1           | 22.3       |
| MAXIMUM            | 3949   | 89             | 67           | 188        | 91        | 11.7         | 8.3          | 15.4        | 4.5          | 27.8           | 3.3          | 17.8         | 5.0             | 1.3           | 24.3       |
| MINIMUM            | 2515   | 57             | 59           | 164        | 71        | 5.3          | 4.1          | 1.0         | 2.5          | 20.5           | 2.0          | 9.6          | 2.5             | 1.0           | 19.2       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |              |             |              |                |              |              |                 |               |            |
| 10 B-555           | 4415   | -              | 68           | 202        | 96        | 6.7          | 4.3          | 4.9         | 1.5          | 23.8           | 2.5          | 10.7         | 1.8             | 1.1           | 22.4       |
| 11 M-503           | 1893   | -              | 79           | 229        | 132       | 6.6          | 5.3          | 1.1         | 2.3          | 19.0           | 2.5          | 4.8          | 2.0             | 1.1           | 22.4       |
| CHECK MEANS        | 3154   | -              | 73           | 215        | 114       | 6.6          | 4.8          | 3.0         | 1.9          | 21.4           | 2.5          | 7.8          | 1.9             | 1             | 22.4       |
| 5% LSD             | 1119.4 |                | 3.4          | 15.8       | 12.2      |              |              |             |              | 4.9            |              |              |                 |               |            |
| C.V.               | 24.1   |                | 3.6          | 5.9        | 9.5       |              |              |             |              | 15.0           |              |              |                 |               |            |

TABLE: 214-V-84

YEAR: 1984

TRIAL: EVT16B  
MEANS ACROSS 14 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION  | REGION      |              |               |              | OVER ALL       |              |                |
|--------------------|--------------------|-------------|--------------|---------------|--------------|----------------|--------------|----------------|
|                    |                    | I<br>KG./HA | II<br>KG./HA | III<br>KG./HA | VI<br>KG./HA | DAYS<br>FLOWER | PLANT<br>HT. | MEAN<br>KG./HA |
| 6 Tlaltizapan 8244 | AEC Tuxpeno        | 5413        | 5067         | 7964          | 5700         | 70             | 190          | 5716           |
| 4 Sids 8244        | AED Tuxpeno        | 5196        | 4594         | 8568          | 5703         | 71             | 196          | 5571           |
| 5 Sids (1) 8244    | AED Tuxpeno        | 5374        | 4907         | 7459          | 5427         | 70             | 190          | 5516           |
| 9 Across 7844RE    | AED Tuxpeno        | 4867        | 4364         | 8301          | 5041         | 71             | 195          | 5215           |
| 3 Across 8134      | Blanco Subtropical | 4628        | 4605         | 7069          | 4527         | 68             | 181          | 4947           |
| 7 Tlaltizapan 8247 | Templado Blanco    | 4694        | 4569         | 6692          | 4495         | 66             | 182          | 4892           |
| 2 Lambo (1) 8134   | Blanco Subtropical | 4755        | 4261         | 6812          | 4251         | 69             | 189          | 4764           |
| 1 Lambo 8134       | Blanco Subtropical | 4557        | 4552         | 6308          | 4120         | 69             | 189          | 4712           |
| 8 Across 7734RE    | Blanco Subtropical | 4390        | 4053         | 6034          | 4168         | 65             | 179          | 4457           |
| Mean               |                    | 4875        | 4552         | 7245          | 4826         | 69             | 188          | 5088           |
| No of Locations    |                    | 4           | 5            | 2             | 3            | 14             | 14           | 14             |

Region I= South America

II= North, Central America and the Caribbean

III= Mideast

VI= Asia



**Tables Summarizing Final 1984 Results  
Elite Variety Trials (ELVTs)  
(Resumen de los resultados finales de los  
Ensayos de Variedades Elite (ELVT), 1984)**

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TABLE: 64-EV-84

EVT18A YEAR 1984 BOLIVIA IBOPERENDA  
 CO-OPERATOR: ALBERTO HINOJOSA PADILLA, CORDECH

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 10 Londrina 8136   | 7521   | 110            | 67           | 213        | 110       | 0.0          | 8.0         | 40.0           | 1.3           | 1.0             | 1.1           | 20.1       |
| 7 Ferke (1) 8128   | 7308   | 107            | 67           | 215        | 115       | 0.7          | 6.5         | 39.8           | 1.3           | 1.3             | 1.2           | 22.0       |
| 9 Poza Rica 8129   | 7306   | 107            | 67           | 215        | 113       | 0.0          | 6.7         | 36.8           | 1.3           | 1.3             | 1.1           | 21.5       |
| 4 Los Banos 8027   | 6788   | 99             | 68           | 210        | 109       | 0.7          | 6.4         | 40.3           | 1.0           | 1.0             | 1.1           | 21.2       |
| 13 Santa Rosa 8073 | 6753   | 99             | 68           | 235        | 123       | 0.6          | 8.9         | 38.8           | 2.3           | 1.0             | 1.1           | 21.5       |
| 11 Poza Rica 8136  | 6651   | 97             | 67           | 205        | 103       | 0.0          | 6.8         | 40.3           | 1.0           | 1.0             | 0.9           | 20.3       |
| 6 Guarere (1) 8128 | 6353   | 93             | 67           | 233        | 123       | 0.0          | 8.3         | 36.8           | 1.8           | 1.3             | 1.1           | 21.5       |
| 15 Across 7729 RE  | 6283   | 92             | 68           | 213        | 110       | 0.0          | 9.3         | 35.5           | 1.8           | 1.3             | 1.1           | 21.5       |
| 5 La Molina 8128   | 6258   | 92             | 66           | 230        | 120       | 0.0          | 3.7         | 36.0           | 1.3           | 1.3             | 1.1           | 21.1       |
| 1 Poza Rica 8121   | 6078   | 89             | 67           | 230        | 118       | 0.0          | 6.0         | 40.0           | 2.3           | 1.3             | 0.9           | 21.4       |
| 3 Across 8024      | 6039   | 88             | 67           | 225        | 118       | 0.0          | 9.0         | 37.5           | 1.8           | 1.0             | 1.1           | 22.8       |
| 8 Muneng 8128      | 6023   | 88             | 67           | 218        | 118       | 0.0          | 7.1         | 37.3           | 1.3           | 1.3             | 1.0           | 23.0       |
| 2 Across 8121      | 5788   | 85             | 67           | 220        | 119       | 0.0          | 8.2         | 36.0           | 2.0           | 1.0             | 1.0           | 22.2       |
| 14 Across 7728 RE  | 5727   | 84             | 67           | 233        | 120       | 0.7          | 8.1         | 37.3           | 2.0           | 1.3             | 1.1           | 22.4       |
| 12 Ilonga 8043     | 4641   | 68             | 68           | 220        | 120       | 0.0          | 8.2         | 31.0           | 3.3           | 1.5             | 1.1           | 22.8       |
| MEANS              | 6368   | 93             | 67           | 221        | 116       | 0.2          | 7.4         | 37.5           | 1.7           | 1.2             | 1.1           | 21.7       |
| MAXIMUM            | 7521   | 110            | 69           | 235        | 123       | 0.7          | 9.3         | 40.3           | 3.3           | 1.5             | 1.2           | 23.0       |
| MINIMUM            | 4641   | 68             | 66           | 205        | 103       | 0.0          | 3.7         | 31.0           | 1.0           | 1.0             | 0.9           | 20.1       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |             |                |               |                 |               |            |
| 17 TUXPEN0 P.B.    | 5826   | -              | 67           | 225        | 123       | 1.5          | 9.7         | 37.0           | 1.5           | 1.0             | 1.0           | 22.2       |
| 16 TUXPEN0 1       | 6049   | -              | 67           | 225        | 118       | 0.0          | 7.8         | 37.3           | 2.0           | 1.3             | 1.0           | 21.8       |
| CHECK MEANS        | 6437   | -              | 66           | 225        | 120       | 0.7          | 8.7         | 37.1           | 1.8           | 1.1             | 1.0           | 22.0       |
| 5% LSD             | 1772.4 |                | 1.4          | 20.5       | 16.8      |              |             | 4.7            |               |                 |               | 2.0        |
| C.V.               | 19.6   |                | 1.5          | 6.5        | 10.2      |              |             | 8.9            |               |                 |               | 6.5        |

TABLE: 65-EV-84

EVT18A      YEAR 1984      BRAZIL      SETE LAGOAS  
 CO-OPERATOR: RICARDO MAGNAVACA, EMARAPA-CNPMS

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 2 Across 8121      | 8567  | 97             | 244        | 126       | 4.8          | 22.1         | 3.3         | 45.5           | 1.0           | 18.1       |
| 7 Ferke (1) 8128   | 8061  | 91             | 244        | 140       | 1.7          | 5.2          | 2.1         | 43.5           | 1.1           | 18.8       |
| 12 Ilonga 9043     | 8045  | 91             | 249        | 136       | 4.0          | 14.9         | 1.7         | 44.0           | 1.0           | 18.0       |
| 6 Guarere (1) 8128 | 7882  | 89             | 239        | 113       | 2.8          | 12.5         | 2.5         | 44.0           | 1.1           | 17.8       |
| 14 Across 7728 RE  | 7732  | 87             | 246        | 118       | 1.7          | 9.8          | 2.6         | 43.8           | 1.1           | 19.0       |
| 8 Muneng 8128      | 7516  | 86             | 235        | 119       | 5.9          | 8.8          | 1.6         | 42.8           | 1.1           | 18.9       |
| 15 Across 7729 RE  | 7592  | 86             | 229        | 126       | 2.3          | 4.5          | 3.4         | 44.0           | 1.0           | 18.6       |
| 1 Poza Rica 8121   | 7542  | 85             | 241        | 130       | 0.6          | 8.1          | 2.4         | 43.3           | 1.0           | 18.4       |
| 9 Poza Rica 8129   | 7479  | 85             | 218        | 121       | 0.6          | 4.0          | 4.0         | 43.8           | 1.0           | 17.0       |
| 13 Santa Rosa 9073 | 7464  | 84             | 251        | 135       | 4.7          | 21.0         | 3.6         | 43.0           | 1.0           | 17.7       |
| 10 Londrina 8136   | 7458  | 84             | 235        | 119       | 0.6          | 4.0          | 1.8         | 43.5           | 1.0           | 17.3       |
| 5 La Molina 8128   | 7426  | 84             | 236        | 116       | 4.5          | 7.4          | 2.9         | 44.0           | 1.0           | 17.5       |
| 4 Los Banos 8027   | 7367  | 83             | 226        | 118       | 5.2          | 9.3          | 3.1         | 43.5           | 1.1           | 18.3       |
| 11 Poza Rica 8136  | 7103  | 80             | 226        | 114       | 4.0          | 2.3          | 4.0         | 43.5           | 1.0           | 16.7       |
| 3 Across 8024      | 7003  | 79             | 236        | 118       | 6.9          | 15.6         | 1.2         | 43.3           | 1.0           | 17.4       |
| MEANS              | 7623  | 86             | 237        | 124       | 3.4          | 10.0         | 2.7         | 43.7           | 1.0           | 18.0       |
| MAXIMUM            | 8567  | 97             | 251        | 140       | 6.9          | 22.1         | 4.0         | 45.5           | 1.1           | 19.0       |
| MINIMUM            | 7003  | 79             | 218        | 114       | 0.6          | 2.3          | 1.2         | 42.8           | 1.0           | 16.7       |
| CHECKS (TESTIGGS): |       |                |            |           |              |              |             |                |               |            |
| 16 BR 301          | 8343  | -              | 230        | 121       | 2.3          | 4.6          | 1.1         | 43.8           | 1.1           | 17.1       |
| 17 BR 300          | 7443  | -              | 243        | 120       | 7.7          | 8.5          | 2.8         | 45.5           | 1.0           | 17.9       |
| CHECK MEANS        | 8143  | -              | 235        | 120       | 5.0          | 6.5          | 1.9         | 44.6           | 1.0           | 17.5       |
| 3% LSC             | 729.2 |                | 13.9       | 17.0      |              |              |             | 1.3            |               |            |
| C.V.               | 6.7   |                | 4.1        | 9.7       |              |              |             | 2.0            |               |            |

TABLE: 66-EV-84

EVT18A      YEAR 1984      BRAZIL      LONDRINA

CO-OPERATOR: ANTONIO CARLOS GERAGE, IAPAR

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|---------------|------------|
| 15 Across 7729 RE  | 2932  | 134            | 113          | 240        | 134       | 12.2         | 76.8         | 7.1         | 49.3           | 3.3          | 0.8           | 17.1       |
| 13 Santa Rosa 8073 | 2902  | 133            | 115          | 244        | 136       | 5.8          | 77.3         | 11.5        | 44.5           | 3.0          | 0.8           | 17.9       |
| 3 Across 8024      | 2570  | 118            | 115          | 223        | 119       | 11.7         | 77.1         | 12.9        | 42.8           | 3.5          | 0.8           | 17.0       |
| 10 Londrina 8136   | 2528  | 116            | 115          | 226        | 123       | 2.2          | 83.0         | 8.9         | 45.0           | 3.3          | 0.7           | 16.4       |
| 12 Ilonga 8043     | 2518  | 115            | 117          | 235        | 126       | 10.3         | 83.8         | 15.2        | 43.5           | 3.5          | 0.8           | 16.6       |
| 11 Poza Rica 8136  | 2391  | 109            | 114          | 234        | 123       | 7.8          | 75.9         | 14.9        | 42.5           | 3.8          | 0.8           | 17.4       |
| 14 Across 7728 RE  | 2321  | 106            | 117          | 240        | 138       | 9.5          | 72.3         | 23.1        | 44.5           | 3.5          | 0.7           | 17.9       |
| 8 Muneng 8128      | 2294  | 105            | 115          | 231        | 119       | 6.9          | 80.4         | 15.9        | 47.0           | 4.0          | 0.6           | 18.8       |
| 1 Poza Rica 8121   | 2227  | 102            | 112          | 234        | 123       | 6.1          | 72.6         | 20.8        | 46.0           | 4.0          | 0.6           | 18.8       |
| 7 Ferke (1) 8128   | 2179  | 100            | 115          | 233        | 121       | 6.4          | 86.9         | 22.2        | 45.0           | 4.0          | 0.7           | 15.9       |
| 4 Los Banos 8027   | 2137  | 98             | 112          | 231        | 126       | 6.3          | 89.4         | 14.3        | 44.0           | 3.5          | 0.6           | 16.1       |
| 5 La Molina 8128   | 2123  | 97             | 116          | 229        | 121       | 5.1          | 72.8         | 13.3        | 44.5           | 3.5          | 0.6           | 17.3       |
| 9 Poza Rica 8129   | 2100  | 96             | 115          | 236        | 126       | 5.7          | 73.9         | 17.4        | 44.3           | 3.8          | 0.7           | 17.8       |
| 2 Across 8121      | 1939  | 89             | 112          | 230        | 124       | 6.5          | 79.4         | 14.6        | 40.3           | 4.0          | 0.7           | 17.6       |
| 6 Guarere (1) 8128 | 1898  | 87             | 118          | 244        | 134       | 6.5          | 86.7         | 16.3        | 46.0           | 4.0          | 0.5           | 17.7       |
| MEANS              | 2337  | 107            | 115          | 234        | 126       | 7.3          | 79.2         | 15.2        | 44.6           | 3.6          | 0.7           | 17.3       |
| MAXIMUM            | 2932  | 134            | 118          | 244        | 138       | 12.2         | 89.4         | 23.1        | 49.3           | 4.0          | 0.8           | 18.8       |
| MINIMUM            | 1898  | 87             | 112          | 223        | 119       | 2.2          | 72.3         | 7.1         | 40.3           | 3.0          | 0.5           | 15.9       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |                |              |               |            |
| 16 P-6875          | 2185  | -              | 116          | 221        | 123       | 2.7          | 85.8         | 16.4        | 43.5           | 3.8          | 0.7           | 17.5       |
| 17 AG-301          | 1991  | -              | 121          | 229        | 120       | 6.5          | 69.7         | 14.5        | 42.3           | 3.8          | 0.6           | 17.4       |
| CHECK MEANS        | 2088  | -              | 118          | 225        | 121       | 4.6          | 77.8         | 15.5        | 42.9           | 3.8          | 0.6           | 17.4       |
| 5% LSD             | 990.1 |                | 5.0          | 17.6       | 17.9      |              |              |             | 7.4            |              |               | 2.0        |
| C.V.               | 30.2  |                | 3.1          | 5.3        | 10.1      |              |              |             | 11.8           |              |               | 8.2        |

TABLE: 67-EV-84

EVT18A YEAR 1984 BRAZIL CAPINOPGLIS

CO-OPERATOR:SEMENTES AGRICERES S.A.

| ENTRY NO./P-DIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | HUSK<br>CDVER | ENDG<br>HARD | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|--------------|----------------|---------------|-----------------|---------------|
| 12 Ilonga 8043     | 7343  | 96             | 60           | 236        | 134       | 1.7          | 1.1          | 5.3         | 1.5           | 3.5          | 43.8           | 1.5           | 3.0             | 1.0           |
| 8 Muneng 8128      | 7629  | 93             | 59           | 218        | 116       | 2.4          | 0.6          | 0.5         | 1.3           | 2.3          | 43.0           | 2.0           | 2.5             | 1.0           |
| 4 Los Banos 8027   | 7549  | 92             | 59           | 205        | 105       | 2.8          | 0.6          | 1.1         | 1.5           | 1.0          | 44.0           | 1.3           | 2.8             | 1.0           |
| 7 Ferke (1) 8128   | 7492  | 92             | 59           | 224        | 120       | 1.1          | 0.0          | 2.9         | 1.5           | 2.3          | 43.3           | 2.0           | 2.8             | 1.0           |
| 1 Poza Rica 8121   | 7244  | 89             | 61           | 224        | 116       | 2.3          | 1.1          | 4.3         | 1.8           | 2.8          | 43.8           | 2.0           | 2.8             | 1.0           |
| 9 Poza Rica 8129   | 6953  | 85             | 59           | 208        | 109       | 3.4          | 0.6          | 4.7         | 2.0           | 3.0          | 44.0           | 2.5           | 2.5             | 0.9           |
| 13 Santa Rosa 8073 | 6796  | 83             | 60           | 212        | 114       | 6.3          | 0.6          | 3.7         | 1.8           | 2.5          | 43.5           | 2.0           | 3.3             | 0.9           |
| 14 Across 7728 RE  | 6794  | 83             | 59           | 224        | 116       | 5.7          | 0.6          | 3.5         | 1.8           | 2.5          | 43.5           | 2.5           | 3.0             | 1.0           |
| 15 Across 7729 RE  | 6762  | 83             | 60           | 223        | 114       | 2.3          | 0.0          | 1.8         | 1.5           | 2.5          | 43.0           | 2.3           | 2.8             | 1.0           |
| 3 Across 8024      | 6697  | 82             | 61           | 220        | 116       | 2.3          | 0.0          | 1.2         | 1.8           | 3.0          | 43.5           | 2.5           | 3.0             | 0.9           |
| 11 Poza Rica 8136  | 6685  | 82             | 58           | 204        | 105       | 3.5          | 0.0          | 1.8         | 1.5           | 3.0          | 43.0           | 2.5           | 2.8             | 1.0           |
| 6 Guarere (1) 8128 | 6637  | 81             | 60           | 215        | 111       | 1.1          | 0.6          | 1.2         | 1.0           | 2.0          | 43.3           | 2.0           | 2.8             | 1.0           |
| 2 Across 9121      | 6446  | 79             | 61           | 225        | 125       | 0.6          | 0.0          | 8.0         | 2.0           | 3.0          | 44.0           | 2.0           | 2.8             | 0.9           |
| 5 La Molina 8128   | 6409  | 78             | 59           | 224        | 120       | 2.9          | 0.6          | 5.9         | 2.0           | 2.3          | 43.8           | 2.8           | 3.0             | 1.0           |
| 10 Londrina 8136   | 6212  | 76             | 58           | 205        | 105       | 2.3          | 0.6          | 4.3         | 1.8           | 3.0          | 43.0           | 2.8           | 3.3             | 1.0           |
| MEANS              | 6943  | 85             | 59           | 218        | 115       | 2.7          | 0.5          | 3.4         | 1.6           | 2.6          | 43.5           | 2.2           | 2.9             | 1.0           |
| MAXIMUM            | 7343  | 96             | 61           | 236        | 134       | 6.3          | 1.1          | 8.0         | 2.0           | 3.5          | 44.0           | 2.8           | 3.3             | 1.0           |
| MINIMUM            | 6212  | 76             | 58           | 204        | 105       | 0.6          | 0.0          | 0.5         | 1.0           | 1.0          | 43.0           | 1.3           | 2.5             | 0.9           |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |               |              |                |               |                 |               |
| 16 AG-301          | 8165  | -              | 62           | 248        | 149       | 12.5         | 0.0          | 1.1         | 1.0           | 4.0          | 43.8           | 1.0           | 3.0             | 1.0           |
| 17 AG-401          | 7575  | -              | 63           | 240        | 149       | 5.8          | 0.6          | 1.0         | 1.0           | 2.8          | 43.0           | 2.0           | 3.0             | 1.1           |
| CHECK MEANS        | 7870  | -              | 62           | 243        | 148       | 9.2          | 0.3          | 1.1         | 1.0           | 3.4          | 43.4           | 1.5           | 3.0             | 1.1           |
| 5% LSD             | 847.7 |                | 1.2          | 13.2       | 13.3      |              |              |             |               |              | 1.3            |               |                 |               |
| C.V.               | 8.5   |                | 1.5          | 4.2        | 7.9       |              |              |             |               |              | 2.0            |               |                 |               |

TABLE: 68-EV-84

EVT18A YEAR 1984 BRAZIL CRAVINHOS

CO-OPERATOR: DIMAIR J. POLONI, C.C. BRASIL LTDA

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | PLANTS<br>HARV | EAR<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|----------------|---------------|---------------|------------|
| 6 Guarere (1) 8128 | 6714   | 89             | 69           | 210        | 106       | 68.5         | 42.3           | 1.0           | 0.9           | 13.9       |
| 7 Ferke (1) 8128   | 6669   | 89             | 69           | 211        | 126       | 73.8         | 41.8           | 1.0           | 0.9           | 14.0       |
| 2 Across 8121      | 6603   | 88             | 74           | 216        | 124       | 72.2         | 41.8           | 1.3           | 1.0           | 14.4       |
| 9 Poza Rica 8129   | 6483   | 86             | 70           | 200        | 111       | 50.7         | 43.5           | 1.3           | 0.9           | 13.9       |
| 12 Ilonga 8043     | 6319   | 84             | 73           | 218        | 114       | 66.7         | 41.3           | 1.3           | 1.0           | 13.3       |
| 15 Across 7729 RE  | 6183   | 82             | 73           | 211        | 124       | 78.0         | 42.3           | 1.3           | 0.9           | 14.1       |
| 14 Across 7728 RE  | 6058   | 81             | 70           | 205        | 108       | 60.8         | 41.8           | 1.0           | 1.0           | 13.5       |
| 1 Poza Rica 8121   | 5978   | 79             | 73           | 213        | 113       | 58.3         | 43.5           | 1.0           | 0.9           | 14.1       |
| 4 Los Banos 8027   | 5903   | 78             | 68           | 214        | 121       | 79.6         | 42.5           | 1.3           | 0.9           | 14.0       |
| 5 La Molina 8128   | 5887   | 78             | 69           | 218        | 115       | 74.9         | 42.0           | 1.5           | 0.9           | 13.7       |
| 11 Poza Rica 8136  | 5546   | 74             | 68           | 205        | 113       | 65.3         | 43.8           | 1.5           | 0.8           | 14.0       |
| 10 Londrina 8136   | 5542   | 74             | 68           | 196        | 123       | 62.1         | 42.3           | 1.5           | 0.9           | 13.7       |
| 8 Muneng 8128      | 5518   | 73             | 70           | 205        | 113       | 70.9         | 43.0           | 1.3           | 0.9           | 14.3       |
| 3 Across 8024      | 5496   | 73             | 72           | 198        | 109       | 81.5         | 41.5           | 1.5           | 1.0           | 14.1       |
| 13 Santa Rosa 8073 | 5178   | 69             | 73           | 204        | 106       | 53.5         | 42.0           | 1.3           | 0.9           | 14.0       |
| MEANS              | 6005   | 80             | 71           | 208        | 115       | 67.8         | 42.3           | 1.3           | 0.9           | 13.9       |
| MAXIMUM            | 6714   | 89             | 74           | 218        | 126       | 81.5         | 43.8           | 1.5           | 1.0           | 14.4       |
| MINIMUM            | 5178   | 69             | 68           | 196        | 106       | 50.7         | 41.3           | 1.0           | 0.8           | 13.3       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |                |               |               |            |
| 17 CONTIMAX 322    | 7520   | -              | 71           | 245        | 146       | 54.1         | 43.5           | 1.0           | 0.9           | 13.6       |
| 16 CONTIMAX 133    | 6336   | -              | 78           | 248        | 148       | 64.7         | 41.0           | 1.0           | 0.9           | 13.6       |
| CHECK MEANS        | 6928   | -              | 74           | 246        | 146       | 59.4         | 42.3           | 1.0           | 0.9           | 13.6       |
| 5% LSD             | 1038.3 |                | 1.9          | 19.0       | 19.9      |              | 2.0            |               |               | 0.5        |
| C.V.               | 11.9   |                | 1.9          | 6.3        | 11.8      |              | 3.3            |               |               | 2.3        |

TABLE: 69-EV-84

EVT18A YEAR 1984 BRAZIL LINHARES

CO-OPERATOR:ROMARIO GAVA FERRAO, FMPACA

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 9 Poza Rica 8129   | 4213  | 112            | 62           | 189        | 95        | 7.5          | 1.7          | 23.0        | 43.3           | 1.0           | 14.7       |
| 8 Muneng 8128      | 4130  | 110            | 62           | 205        | 117       | 6.0          | 1.2          | 21.7        | 42.3           | 1.0           | 15.8       |
| 4 Los Santos 8027  | 4317  | 107            | 63           | 199        | 107       | 4.0          | 1.1          | 20.1        | 43.3           | 1.0           | 16.1       |
| 13 Santa Rosa 8073 | 3985  | 106            | 64           | 198        | 108       | 9.2          | 0.6          | 16.1        | 43.8           | 1.0           | 15.4       |
| 12 Ilonga 8043     | 3964  | 106            | 63           | 195        | 102       | 5.4          | 0.6          | 29.1        | 42.5           | 0.9           | 14.7       |
| 11 Poza Rica 8136  | 3929  | 105            | 63           | 196        | 109       | 7.9          | 1.7          | 28.7        | 44.3           | 0.9           | 15.7       |
| 3 Across 8024      | 3927  | 105            | 64           | 184        | 101       | 4.0          | 0.6          | 28.7        | 44.3           | 0.9           | 15.4       |
| 6 Guarere (1) 8128 | 3899  | 103            | 63           | 200        | 103       | 8.7          | 1.2          | 34.5        | 43.3           | 0.9           | 14.6       |
| 14 Across 7728 RE  | 3849  | 103            | 63           | 199        | 105       | 5.7          | 0.6          | 23.4        | 43.8           | 1.0           | 14.8       |
| 5 La Molina 8128   | 3840  | 102            | 63           | 197        | 98        | 6.3          | 0.5          | 18.4        | 43.8           | 1.0           | 14.7       |
| 2 Across 8121      | 3783  | 100            | 63           | 207        | 113       | 8.0          | 2.5          | 26.8        | 41.5           | 0.9           | 15.4       |
| 10 Londrina 8136   | 3753  | 100            | 64           | 191        | 97        | 6.9          | 2.3          | 22.7        | 43.3           | 0.9           | 15.2       |
| 15 Across 7728 RE  | 3716  | 99             | 63           | 196        | 101       | 5.2          | 0.0          | 23.1        | 44.0           | 0.9           | 15.2       |
| 7 Ferke (1) 8128   | 3645  | 97             | 64           | 202        | 102       | 6.3          | 0.0          | 29.8        | 43.8           | 1.0           | 14.8       |
| 1 Poza Rica 8121   | 3550  | 95             | 62           | 186        | 97        | 4.0          | 0.0          | 25.5        | 43.3           | 0.9           | 15.2       |
| MEANS              | 3876  | 103            | 63           | 195        | 104       | 6.3          | 1.0          | 24.8        | 43.3           | 0.9           | 15.2       |
| MAXIMUM            | 4213  | 113            | 64           | 207        | 117       | 9.2          | 2.5          | 34.5        | 44.3           | 1.0           | 16.1       |
| MINIMUM            | 3550  | 95             | 62           | 184        | 95        | 4.0          | 0.0          | 16.1        | 41.5           | 0.9           | 14.6       |
| CHECKS (TESTIGCS): |       |                |              |            |           |              |              |             |                |               |            |
| 16 CMS 0509        | 3747  | -              | 63           | 188        | 92        | 9.7          | 2.4          | 25.8        | 41.0           | 1.0           | 15.3       |
| 17 AG 163          | 3275  | -              | 64           | 199        | 111       | 8.5          | 0.6          | 22.8        | 44.3           | 0.9           | 15.4       |
| CHECK MEANS        | 3511  | -              | 63           | 193        | 104       | 9.1          | 1.5          | 24.3        | 42.6           | 0.9           | 15.3       |
| 5% LSC             | 622.4 |                | 2.6          | 18.6       | 17.5      |              |              |             | 2.7            |               | 1.1        |
| C.V.               | 11.4  |                | 2.9          | 6.7        | 11.9      |              |              |             | 4.5            |               | 5.2        |

TABLE: 70-EV-84

EVT18A YEAR 1964 PERU PIURA

CO-OPERATOR: M. NEVADO B.

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | %EAR<br>ROT | PLANTS<br>HARV | EAP<br>ASPECT | PLANT<br>ASPECT | EARS/<br>FLNT | MOIST<br>% |
|--------------------|--------|----------------|-------------|----------------|---------------|-----------------|---------------|------------|
| 12 Ilonge 8043     | 9137   | 136            | 10.9        | 40.5           | 4.0           | 3.0             | 1.1           | 16.1       |
| 5 La Molina 8128   | 7423   | 110            | 9.3         | 37.5           | 1.8           | 3.0             | 1.1           | 15.5       |
| 15 Across 7729 RE  | 7370   | 109            | 10.1        | 40.0           | 2.8           | 3.0             | 1.0           | 16.9       |
| 4 Los Banos 8027   | 7295   | 108            | 4.6         | 36.5           | 4.0           | 3.5             | 1.2           | 15.9       |
| 7 Ferke (1) 8128   | 7268   | 108            | 5.4         | 37.0           | 2.3           | 3.0             | 1.2           | 16.7       |
| 6 Guarera (1) 8128 | 7248   | 108            | 8.2         | 34.5           | 2.3           | 3.0             | 1.3           | 15.9       |
| 3 Across 8024      | 7188   | 107            | 11.5        | 38.3           | 2.0           | 3.3             | 1.1           | 16.1       |
| 9 Poza Rica 8129   | 7123   | 106            | 15.2        | 37.5           | 3.3           | 3.0             | 1.0           | 16.7       |
| 2 Across 8121      | 7023   | 104            | 12.1        | 33.5           | 3.3           | 3.0             | 1.1           | 16.3       |
| 11 Poza Rica 8136  | 6971   | 104            | 5.4         | 39.3           | 2.0           | 3.0             | 1.1           | 14.8       |
| 13 Santa Rosa 8073 | 6960   | 103            | 10.5        | 36.5           | 3.3           | 3.0             | 1.1           | 15.9       |
| 1 Poza Rica 8121   | 6715   | 100            | 18.9        | 39.3           | 3.3           | 3.3             | 1.0           | 16.5       |
| 14 Across 7728 RE  | 6398   | 95             | 12.3        | 36.5           | 1.8           | 3.0             | 1.0           | 16.6       |
| 10 Londrina 8136   | 6362   | 94             | 9.0         | 33.3           | 2.5           | 3.0             | 1.1           | 15.2       |
| 8 Muneng 8128      | 6240   | 93             | 10.3        | 37.8           | 1.8           | 3.0             | 1.1           | 16.6       |
| MEANS              | 7115   | 106            | 10.3        | 37.2           | 2.7           | 3.1             | 1.1           | 16.1       |
| MAXIMUM            | 9137   | 136            | 18.9        | 40.5           | 4.0           | 3.5             | 1.3           | 16.9       |
| MINIMUM            | 6240   | 93             | 4.6         | 33.3           | 1.8           | 3.0             | 1.0           | 14.8       |
| CHECKS (TESTIGOS): |        |                |             |                |               |                 |               |            |
| 17 PM-102          | 6732   | -              | 12.9        | 39.5           | 2.3           | 3.0             | 1.0           | 16.0       |
| 16 PM-701          | 5337   | -              | 17.0        | 38.5           | 2.5           | 2.8             | 0.8           | 16.1       |
| CHECK MEANS        | 6285   | -              | 14.9        | 39.0           | 2.4           | 2.9             | 0.9           | 16.1       |
| 5% LSC             | 1590.0 |                |             | 5.6            |               |                 |               | 1.2        |
| C.V.               | 15.9   |                |             | 10.5           |               |                 |               | 5.2        |



TABLE: 71-EV-84

EVT18A YEAR 1984 COSTA RICA TURRIALBA

CO-OPERATOR:I.I.C.A., CATIE

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 7 Ferke (1) 8126   | 5261  | 126            | 64           | 243        | 134       | 0.0          | 0.0          | 2.6         | 43.3           | 2.0           | 9.6          | 1.0             | 1.1           | 19.8       |
| 1 Poza Rica 8121   | 4970  | 119            | 63           | 243        | 131       | 0.0          | 3.4          | 2.9         | 43.8           | 2.0           | 11.7         | 1.5             | 1.0           | 20.1       |
| 11 Poza Rica 8136  | 4893  | 118            | 62           | 223        | 126       | 0.0          | 0.6          | 4.0         | 44.0           | 2.0           | 18.5         | 1.3             | 1.0           | 19.1       |
| 14 Across 7728 RE  | 4880  | 117            | 65           | 244        | 135       | 0.0          | 0.6          | 1.7         | 44.0           | 2.0           | 8.7          | 1.0             | 1.0           | 19.7       |
| 6 Guarere (1) 8128 | 4841  | 116            | 64           | 239        | 131       | 0.6          | 0.0          | 6.0         | 44.0           | 2.5           | 8.2          | 1.3             | 1.0           | 19.1       |
| 12 Ilonga 8043     | 4816  | 116            | 66           | 254        | 148       | 0.0          | 0.6          | 6.0         | 43.0           | 2.5           | 16.4         | 1.0             | 1.1           | 20.4       |
| 2 Across 8121      | 4793  | 115            | 64           | 244        | 141       | 0.0          | 0.0          | 4.0         | 43.5           | 2.3           | 8.7          | 1.0             | 1.0           | 19.6       |
| 9 Poza Rica 8129   | 4671  | 112            | 65           | 221        | 123       | 0.0          | 0.0          | 4.5         | 43.5           | 2.0           | 13.5         | 1.0             | 1.0           | 19.3       |
| 15 Across 7729 RE  | 4648  | 112            | 64           | 235        | 128       | 1.1          | 2.3          | 4.0         | 44.0           | 2.3           | 14.6         | 1.0             | 1.0           | 19.6       |
| 8 Muneng 8128      | 4568  | 110            | 65           | 238        | 136       | 0.0          | 1.1          | 3.5         | 44.0           | 2.5           | 8.2          | 1.3             | 1.1           | 19.4       |
| 4 Los Banos 8027   | 4540  | 109            | 53           | 231        | 129       | 0.0          | 0.6          | 2.0         | 44.0           | 2.3           | 13.0         | 1.3             | 1.1           | 18.8       |
| 5 La Molina 8128   | 4509  | 108            | 65           | 246        | 135       | 0.0          | 0.6          | 1.8         | 43.0           | 2.5           | 14.8         | 1.5             | 1.0           | 19.8       |
| 10 Londrina 8136   | 4413  | 106            | 63           | 226        | 125       | 0.0          | 0.6          | 7.2         | 43.8           | 2.8           | 16.7         | 1.0             | 1.0           | 19.0       |
| 3 Across 8024      | 4286  | 103            | 64           | 230        | 131       | 0.0          | 0.6          | 3.4         | 43.3           | 2.5           | 5.6          | 1.3             | 1.0           | 18.8       |
| 13 Santa Rosa 8073 | 4219  | 101            | 64           | 246        | 133       | 0.6          | 0.0          | 4.5         | 43.3           | 2.3           | 20.0         | 1.3             | 1.0           | 19.2       |
| MEANS              | 4087  | 113            | 64           | 237        | 132       | 0.2          | 0.7          | 3.9         | 43.6           | 2.3           | 12.5         | 1.2             | 1.0           | 19.4       |
| MAXIMUM            | 5261  | 126            | 66           | 254        | 148       | 1.1          | 3.4          | 7.2         | 44.0           | 2.8           | 20.0         | 1.5             | 1.1           | 20.4       |
| MINIMUM            | 4219  | 101            | 52           | 221        | 123       | 0.0          | 0.0          | 1.7         | 43.0           | 2.0           | 5.6          | 1.0             | 1.0           | 18.8       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |                |               |              |                 |               |            |
| 16 LOCAL CHECK 1   | 4160  | -              | 66           | 243        | 136       | 0.0          | 0.0          | 4.2         | 40.0           | 1.8           | 3.5          | 2.0             | 0.9           | 19.4       |
| 17 LOCAL CHECK 2   | 3972  | -              | 65           | 223        | 121       | 0.0          | 3.2          | 2.6         | 41.0           | 2.5           | 5.3          | 1.5             | 0.9           | 18.5       |
| CHECK MEANS        | 4066  | -              | 65           | 232        | 128       | 0.0          | 1.6          | 3.4         | 40.5           | 2.1           | 4.4          | 1.8             | 0.9           | 19.0       |
| 5% LSD             | 595.3 |                | 0.6          | 9.8        | 9.2       |              |              |             | 1.9            |               |              |                 |               | 1.0        |
| C.V.               | 9.1   |                | 0.6          | 2.9        | 4.9       |              |              |             | 3.2            |               |              |                 |               | 3.6        |

TABLE: 72-EV-84

EVT184 YEAR 1984 MEXICO CO. OREGON

CO-OPERATOR: ANGEL SOQUI, OSCAR COTA, INIA-CIANG-CAEVY

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 15 Across 7729 RE  | 7661  | 105            | 95           | 225        | 121       | 0.0          | 4.0          | 2.2         | 43.3           | 4.1          | 14.6         | 1.1           | 15.3       |
| 14 Across 7723 RL  | 7207  | 95             | 95           | 246        | 149       | 0.5          | 1.7          | 2.7         | 44.0           | 3.8          | 20.3         | 1.1           | 15.2       |
| 11 Poza Rica 8136  | 7194  | 99             | 81           | 225        | 129       | 0.6          | 8.6          | 0.6         | 44.0           | 3.9          | 20.1         | 1.0           | 15.4       |
| 6 Guarere (1) 8128 | 7084  | 98             | 83           | 215        | 110       | 2.3          | 7.7          | 2.2         | 42.8           | 3.8          | 17.0         | 1.1           | 16.6       |
| 2 Across 8121      | 7079  | 97             | 97           | 229        | 123       | 0.0          | 11.6         | 4.2         | 43.5           | 4.0          | 21.5         | 1.1           | 17.0       |
| 13 Santa Rosa 8073 | 7050  | 97             | 84           | 229        | 123       | 1.9          | 14.7         | 1.7         | 40.0           | 3.5          | 18.6         | 1.1           | 16.8       |
| 4 Los Banos 8027   | 7033  | 97             | 83           | 204        | 108       | 0.6          | 10.5         | 1.0         | 42.0           | 4.1          | 15.3         | 1.2           | 17.2       |
| 1 Poza Rica 8121   | 6948  | 96             | 86           | 233        | 128       | 0.0          | 10.9         | 4.7         | 42.3           | 3.8          | 16.4         | 1.0           | 16.6       |
| 8 Muneng 8128      | 6940  | 96             | 84           | 228        | 128       | 1.2          | 7.7          | 1.6         | 42.5           | 3.8          | 18.7         | 1.1           | 17.0       |
| 10 Londrina 8136   | 6902  | 95             | 81           | 204        | 110       | 0.6          | 11.9         | 2.2         | 42.3           | 3.8          | 24.3         | 1.0           | 15.7       |
| 7 Ferke (1) 8128   | 6855  | 94             | 83           | 235        | 135       | 1.8          | 12.7         | 2.1         | 41.5           | 4.0          | 10.6         | 1.1           | 15.9       |
| 9 Poza Rica 8129   | 5810  | 94             | 83           | 224        | 119       | 0.0          | 1.2          | 1.8         | 42.3           | 3.9          | 21.2         | 0.9           | 15.3       |
| 5 La Molina 8128   | 6717  | 92             | 82           | 231        | 121       | 1.2          | 20.1         | 2.2         | 42.5           | 3.9          | 19.3         | 1.1           | 16.2       |
| 12 Ilonga 8043     | 5623  | 91             | 86           | 223        | 124       | 1.2          | 7.1          | 3.8         | 42.0           | 3.9          | 14.2         | 1.0           | 17.0       |
| 3 Across 8024      | 6170  | 85             | 95           | 215        | 129       | 1.7          | 11.8         | 1.6         | 42.0           | 3.8          | 18.5         | 1.0           | 16.8       |
| MEANS              | 6952  | 96             | 84           | 224        | 124       | 0.9          | 9.5          | 2.3         | 42.5           | 3.9          | 18.0         | 1.1           | 16.2       |
| MAXIMUM            | 7661  | 105            | 87           | 246        | 149       | 2.3          | 20.1         | 4.7         | 44.0           | 4.1          | 24.3         | 1.2           | 17.2       |
| MINIMUM            | 6170  | 85             | 81           | 204        | 108       | 0.0          | 1.2          | 0.6         | 40.0           | 3.5          | 10.6         | 0.9           | 15.2       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 17 V-526           | 7264  | -              | 97           | 226        | 126       | 1.2          | 3.7          | 3.8         | 42.0           | 4.0          | 16.8         | 1.1           | 16.4       |
| 16 V-455           | 6309  | -              | 95           | 234        | 124       | 0.0          | 6.0          | 0.6         | 31.3           | 3.9          | 27.0         | 1.2           | 17.9       |
| CHECK MEANS        | 7037  | -              | 86           | 230        | 125       | 0.6          | 4.9          | 2.2         | 36.6           | 3.9          | 21.9         | 1.1           | 17.1       |
| 5% LSC             | 786.3 |                | 2.6          | 24.4       | 15.9      |              |              |             | 2.8            |              |              |               | 1.5        |
| C.V.               | 7.9   |                | 2.2          | 7.6        | 9.0       |              |              |             | 4.7            |              |              |               | 6.3        |

TABLE: 73-EV-84

EVT18A YEAR 1984 YEMEN A.R. TAIZ

CO-OPERATOR: ALI E. KAMGAL

| ENTRY NO./PEDIGREE  | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|---------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|----------------|--------------|--------------|-----------------|---------------|
| 15 Across 7729 RE   | 2553  | 140            | 72           | 128        | 62        | 5.4          | 0.0          | 27.3           | 2.7          | 3.0          | 2.3             | 1.0           |
| 9 Poza Rica 8129    | 2471  | 136            | 74           | 123        | 52        | 6.9          | 0.0          | 29.7           | 3.3          | 5.5          | 2.7             | 1.0           |
| 13 Santa Rosa 8073  | 2424  | 133            | 73           | 125        | 57        | 5.2          | 0.0          | 29.7           | 3.0          | 3.7          | 2.3             | 1.0           |
| 4 Los Banos 8027    | 2407  | 132            | 72           | 127        | 57        | 3.6          | 1.4          | 28.0           | 2.3          | 1.4          | 2.3             | 1.0           |
| 2 Across 8121       | 2194  | 120            | 76           | 127        | 50        | 1.5          | 1.6          | 24.0           | 3.0          | 0.0          | 2.3             | 1.0           |
| 8 Muneng 8128       | 2160  | 119            | 75           | 140        | 62        | 13.8         | 0.0          | 32.3           | 2.7          | 0.0          | 2.3             | 1.0           |
| 11 Poza Rica 8136   | 1899  | 104            | 72           | 122        | 48        | 3.3          | 0.0          | 27.7           | 3.3          | 5.6          | 2.3             | 1.0           |
| 10 Londrina 8136    | 1857  | 102            | 72           | 128        | 53        | 12.9         | 1.1          | 26.0           | 3.3          | 1.4          | 3.0             | 1.0           |
| 7 Ferke (1) 8128    | 1848  | 101            | 72           | 133        | 58        | 14.2         | 0.0          | 25.3           | 3.3          | 1.1          | 2.7             | 1.0           |
| 12 Ilonga 8043      | 1776  | 97             | 74           | 123        | 50        | 4.1          | 0.0          | 24.3           | 3.7          | 2.9          | 2.7             | 1.0           |
| 1 Poza Rica 8121    | 1733  | 95             | 72           | 112        | 48        | 0.0          | 0.0          | 21.0           | 3.3          | 4.8          | 2.7             | 1.0           |
| 14 Across 7728 RE   | 1673  | 92             | 74           | 132        | 52        | 8.9          | 1.1          | 24.7           | 3.0          | 3.1          | 2.7             | 1.0           |
| 5 La Molina 8128    | 1588  | 87             | 75           | 120        | 43        | 2.4          | 2.4          | 21.7           | 3.7          | 11.3         | 3.3             | 1.0           |
| 6 Guarere: (1) 8128 | 1353  | 74             | 76           | 103        | 33        | 16.8         | 5.0          | 20.7           | 4.3          | 0.0          | 3.3             | 1.0           |
| 3 Across 8024       | 1302  | 71             | 75           | 115        | 47        | 20.4         | 2.0          | 23.3           | 3.7          | 2.0          | 2.7             | 1.0           |
| MEANS               | 1949  | 107            | 74           | 124        | 51        | 8.0          | 1.0          | 25.7           | 3.2          | 3.0          | 2.6             | 1.0           |
| MAXIMUM             | 2553  | 140            | 76           | 140        | 62        | 20.4         | 5.0          | 32.3           | 4.3          | 11.3         | 3.3             | 1.0           |
| MINIMUM             | 1302  | 71             | 72           | 103        | 33        | 0.0          | 0.0          | 20.7           | 2.3          | 0.0          | 2.3             | 1.0           |
| CHECKS (TESTIGOS):  |       |                |              |            |           |              |              |                |              |              |                 |               |
| 16 SETE LAGOAS 7728 | 1823  | -              | 70           | 132        | 53        | 10.9         | 0.0          | 21.7           | 3.7          | 4.2          | 2.7             | 1.0           |
| 17 KHUMALTAR        | 1298  | -              | 73           | 117        | 45        | 5.5          | 0.0          | 25.3           | 3.0          | 5.4          | 2.7             | 1.0           |
| CHECK MEANS         | 1560  | -              | 71           | 124        | 49        | 8.2          | 0.0          | 23.5           | 3.3          | 4.8          | 2.7             | 1.0           |
| 5% LSD              | 683.0 |                | 3.7          | 21.3       | 13.1      |              |              | 7.8            |              |              |                 |               |
| C.V.                | 21.6  |                | 3.0          | 10.3       | 15.4      |              |              | 18.4           |              |              |                 |               |

TABLE: 74-EV-84

EVT18A YEAR 1984 YEMEN A.R. IBB

CO-OPERATOR: ALI E. KAMBAL

| ENTRY NO./PEDIGREE  | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|---------------------|-------|----------------|--------------|------------|-----------|----------------|---------------|--------------|-----------------|---------------|
| 2 Across 8121       | 5038  | 95             | 86           | 177        | 80        | 44.3           | 3.0           | 2.9          | 2.7             | 1.0           |
| 11 Poza Rica 8136   | 4951  | 93             | 82           | 173        | 90        | 42.0           | 2.7           | 10.9         | 2.0             | 1.1           |
| 4 Los Banos 8027    | 4703  | 88             | 92           | 173        | 92        | 44.0           | 2.0           | 8.3          | 2.3             | 1.2           |
| 6 Guarere (1) 8128  | 4655  | 88             | 90           | 198        | 95        | 43.3           | 2.7           | 2.2          | 2.3             | 1.0           |
| 5 La Molina 8128    | 4637  | 87             | 92           | 203        | 100       | 44.0           | 3.0           | 9.8          | 2.3             | 1.0           |
| 15 Across 7729 RE   | 4595  | 86             | 88           | 178        | 93        | 44.0           | 3.0           | 5.1          | 2.3             | 1.0           |
| 7 Ferke (1) 8128    | 4518  | 85             | 85           | 185        | 90        | 43.7           | 2.7           | 2.9          | 2.0             | 1.1           |
| 9 Poza Rica 8129    | 4470  | 84             | 83           | 158        | 78        | 44.0           | 3.3           | 6.7          | 2.3             | 1.0           |
| 10 Londrina 8136    | 4431  | 83             | 84           | 168        | 87        | 43.7           | 2.3           | 14.3         | 2.7             | 1.0           |
| 3 Across 8024       | 4294  | 81             | 91           | 173        | 95        | 43.7           | 2.7           | 5.9          | 2.0             | 1.0           |
| 1 Poza Rica 8121    | 4273  | 80             | 89           | 175        | 85        | 44.0           | 3.0           | 6.7          | 2.7             | 1.0           |
| 8 Muneng 8128       | 4249  | 80             | 89           | 182        | 97        | 42.7           | 2.3           | 8.6          | 2.3             | 1.1           |
| 14 Across 7728 RE   | 4228  | 80             | 91           | 183        | 93        | 43.0           | 2.7           | 2.2          | 2.7             | 1.1           |
| 12 Ilonga 8043      | 3609  | 68             | 90           | 195        | 102       | 43.0           | 3.0           | 3.1          | 2.7             | 1.0           |
| 13 Santa Rosa 8073  | 3335  | 63             | 91           | 175        | 85        | 43.7           | 3.0           | 3.0          | 3.3             | 1.0           |
| MEANS               | 4399  | 83             | 88           | 180        | 91        | 43.5           | 2.8           | 6.2          | 2.4             | 1.1           |
| MAXIMUM             | 5038  | 95             | 92           | 203        | 102       | 44.3           | 3.3           | 14.3         | 3.3             | 1.2           |
| MINIMUM             | 3335  | 63             | 82           | 158        | 78        | 42.0           | 2.0           | 2.2          | 2.0             | 1.0           |
| CHECKS (TESTIGOS):  |       |                |              |            |           |                |               |              |                 |               |
| 17 TAIZ-2 (MISRI)   | 5315  | -              | 78           | 217        | 112       | 43.0           | 1.0           | 11.5         | 2.7             | 1.0           |
| 16 SETE LAGOAS 7728 | 4010  | -              | 89           | 193        | 98        | 42.0           | 1.7           | 10.4         | 2.3             | 1.0           |
| CHECK MEANS         | 4663  | -              | 83           | 205        | 105       | 42.5           | 1.3           | 11.0         | 2.5             | 1.0           |
| 5% LSD              | 938.3 |                | 2.9          | 20.2       | 17.9      | 1.8            |               |              |                 |               |
| C.V.                | 12.7  |                | 2.0          | 6.6        | 11.6      | 2.5            |               |              |                 |               |

TABLE: 75-EV-84

EVT18A      YEAR 1984      LIBERIA      CARI

CO-OPERATOR:MR. DANIEL B. KUYEMBEH, C.A.R.I.

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | SASAKII | STEM<br>LODG | ROCT<br>LODG | %EAR<br>ROT | HELM | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|---------|--------------|--------------|-------------|------|----------------|---------------|--------------|-----------------|------------|
| 5 La Molina 8128   | 3293  | 110            | 69           | 163        | 59        | 6.7     | 10.5         | 10.4         | 6.6         | 2.8  | 33.8           | 1.8           | 6.1          | 2.3             | 22.1       |
| 8 Muneng 8128      | 3243  | 109            | 68           | 151        | 58        | 8.7     | 10.0         | 10.6         | 10.1        | 2.5  | 33.0           | 2.0           | 5.5          | 1.3             | 23.8       |
| 15 Across 7729 RE  | 3150  | 106            | 69           | 177        | 66        | 6.6     | 11.9         | 10.5         | 9.3         | 1.8  | 33.0           | 1.8           | 7.6          | 2.3             | 22.2       |
| 7 Ferke (1) 8128   | 3021  | 101            | 70           | 165        | 65        | 7.8     | 15.2         | 11.5         | 7.8         | 2.3  | 33.3           | 1.5           | 5.2          | 2.3             | 22.1       |
| 6 Guarere (1) 8128 | 2959  | 99             | 68           | 163        | 66        | 5.6     | 27.6         | 17.8         | 8.7         | 1.8  | 33.8           | 1.8           | 4.7          | 3.5             | 22.5       |
| 9 Poza Rica 8129   | 2857  | 96             | 70           | 122        | 42        | 7.0     | 4.8          | 8.2          | 12.6        | 2.0  | 30.8           | 2.5           | 5.9          | 2.0             | 22.4       |
| 13 Santa Rosa 8073 | 2753  | 92             | 69           | 171        | 62        | 9.2     | 18.0         | 8.5          | 11.7        | 1.8  | 30.3           | 2.8           | 6.1          | 2.5             | 23.0       |
| 4 Los Banos 8027   | 2648  | 89             | 67           | 145        | 57        | 8.1     | 18.2         | 12.2         | 6.0         | 1.3  | 34.3           | 2.0           | 2.9          | 1.5             | 21.9       |
| 11 Poza Rica 8136  | 2398  | 80             | 70           | 146        | 53        | 7.3     | 9.5          | 7.5          | 6.8         | 2.3  | 27.5           | 2.0           | 9.9          | 2.5             | 23.0       |
| 12 Ilonga 8043     | 2279  | 76             | 69           | 166        | 58        | 7.1     | 13.0         | 34.5         | 7.0         | 1.5  | 28.5           | 2.3           | 5.4          | 3.0             | 23.2       |
| 3 Across 8024      | 2278  | 76             | 70           | 139        | 57        | 9.1     | 12.0         | 12.4         | 8.6         | 2.0  | 31.3           | 2.5           | 8.4          | 2.5             | 23.2       |
| 10 Londrina 8136   | 2252  | 76             | 67           | 140        | 57        | 7.5     | 23.7         | 13.4         | 11.9        | 1.8  | 29.5           | 3.0           | 8.9          | 2.0             | 23.2       |
| 1 Poza Rica 8121   | 2104  | 71             | 71           | 143        | 55        | 7.6     | 18.8         | 25.3         | 9.9         | 1.5  | 29.8           | 2.8           | 6.6          | 2.0             | 23.7       |
| 14 Across 7728 RE  | 2031  | 68             | 70           | 142        | 55        | 10.3    | 17.3         | 16.9         | 12.0        | 2.5  | 26.3           | 2.3           | 7.9          | 2.5             | 22.5       |
| 2 Across 8121      | 1675  | 56             | 71           | 139        | 49        | 7.2     | 34.5         | 43.0         | 15.9        | 2.0  | 23.8           | 3.3           | 9.9          | 2.8             | 23.8       |
| MEANS              | 2596  | 87             | 69           | 151        | 57        | 7.7     | 16.3         | 16.2         | 9.7         | 2.0  | 30.6           | 2.3           | 6.7          | 2.3             | 22.8       |
| MAXIMLP            | 3293  | 110            | 71           | 177        | 66        | 10.3    | 34.5         | 43.0         | 15.9        | 2.8  | 34.3           | 3.3           | 9.9          | 3.5             | 23.8       |
| MINIMUM            | 1675  | 56             | 67           | 122        | 42        | 5.6     | 4.8          | 7.5          | 6.0         | 1.3  | 23.8           | 1.5           | 2.9          | 1.3             | 21.9       |
| CHECKS (TESTIGOS): |       |                |              |            |           |         |              |              |             |      |                |               |              |                 |            |
| 17 CARI III        | 2981  | -              | 68           | 177        | 69        | 4.4     | 19.5         | 10.7         | 7.9         | 1.8  | 28.5           | 2.3           | 7.1          | 2.0             | 23.7       |
| 16 CARI II         | 2490  | -              | 77           | 224        | 119       | 3.4     | 32.0         | 12.8         | 0.0         | 2.0  | 24.8           | 1.3           | 4.1          | 3.5             | 23.5       |
| CHECK MEANS        | 2736  | -              | 72           | 200        | 94        | 3.9     | 25.8         | 11.7         | 4.0         | 1.9  | 26.6           | 1.8           | 5.6          | 2.8             | 23.6       |
| % LSC              | 964.8 |                | 3.9          | 25.0       | 13.5      |         |              |              |             |      | 7.0            |               |              |                 |            |
| C.V.               | 25.0  |                | 3.9          | 11.2       | 15.4      |         |              |              |             |      | 16.5           |               |              |                 |            |

TABLE: 76-EV-84

EVT18A YEAR 1984 MALAWI CHITEDZE  
CO-OPERATOR: ELIZABETH SIBALE, DEPT. OF AGRIC. RES.

| ENTRY NO./PEDIGREE | KG/HA  | %EST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | FAO<br>MT | STEM<br>LOAD | ROOT<br>LCCG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|---------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 2 Across 8121      | 8061   | 116           | 73           | 217        | 109       | 3.5          | 17.1         | 7.6         | 43.5           | 2.3           | 21.1         | 3.3             | 1.0           | 21.4       |
| 12 Ilonga 8043     | 7604   | 109           | 75           | 237        | 120       | 7.4          | 4.0          | 8.2         | 43.8           | 3.0           | 16.9         | 3.3             | 1.0           | 20.7       |
| 8 Muneng 8128      | 7155   | 103           | 72           | 199        | 97        | 3.5          | 1.7          | 7.9         | 43.5           | 3.5           | 21.8         | 3.0             | 1.1           | 21.0       |
| 1 Poza Rica 8121   | 7002   | 101           | 74           | 208        | 98        | 7.0          | 3.5          | 10.9        | 43.3           | 3.0           | 15.5         | 2.3             | 1.0           | 21.0       |
| 15 Across 7729 RE  | 6800   | 98            | 74           | 200        | 95        | 4.0          | 1.7          | 3.9         | 43.3           | 3.5           | 17.2         | 3.0             | 1.1           | 21.2       |
| 10 Londrina 8136   | 6748   | 97            | 63           | 200        | 95        | 3.5          | 13.1         | 15.2        | 43.0           | 3.3           | 17.7         | 3.8             | 1.0           | 20.9       |
| 4 Los Banos 8027   | 6641   | 96            | 70           | 200        | 98        | 4.2          | 5.4          | 6.9         | 42.0           | 2.5           | 18.6         | 3.5             | 1.1           | 20.3       |
| 6 Guarere (1) 8128 | 6534   | 94            | 73           | 213        | 101       | 15.8         | 11.5         | 7.1         | 41.0           | 3.3           | 12.8         | 3.3             | 1.1           | 21.2       |
| 11 Poza Rica 8136  | 6359   | 92            | 58           | 193        | 89        | 7.4          | 10.2         | 12.5        | 44.0           | 3.8           | 18.9         | 3.8             | 1.0           | 18.7       |
| 13 Santa Rosa 8073 | 6244   | 90            | 75           | 219        | 106       | 15.2         | 11.9         | 3.9         | 42.3           | 3.8           | 14.3         | 3.8             | 1.1           | 20.9       |
| 7 Ferke (1) 8128   | 6228   | 90            | 71           | 209        | 97        | 2.4          | 8.4          | 10.5        | 42.3           | 2.8           | 11.4         | 3.3             | 1.0           | 20.3       |
| 3 Across 8024      | 6215   | 89            | 73           | 210        | 102       | 9.8          | 4.6          | 8.1         | 43.8           | 4.0           | 16.8         | 3.5             | 1.0           | 20.5       |
| 5 La Molina 8128   | 5782   | 83            | 72           | 207        | 94        | 12.2         | 9.4          | 12.1        | 42.8           | 4.0           | 20.2         | 4.0             | 1.1           | 20.1       |
| 14 Across 7728 RE  | 5029   | 72            | 75           | 211        | 103       | 12.9         | 9.6          | 8.0         | 37.8           | 4.0           | 20.2         | 3.8             | 0.9           | 20.0       |
| 9 Poza Rica 8129   | 4934   | 71            | 72           | 182        | 83        | 3.8          | 4.7          | 10.6        | 40.0           | 4.0           | 13.1         | 4.3             | 0.8           | 21.0       |
| MEANS              | 6490   | 93            | 72           | 207        | 99        | 7.5          | 7.8          | 6.9         | 42.4           | 3.4           | 17.1         | 3.4             | 1.0           | 20.6       |
| MAXIMUM            | 8061   | 116           | 76           | 237        | 120       | 15.8         | 17.1         | 15.2        | 44.0           | 4.0           | 21.8         | 4.3             | 1.1           | 21.4       |
| MINIMUM            | 4934   | 71            | 69           | 182        | 83        | 2.4          | 1.7          | 3.9         | 37.8           | 2.3           | 11.4         | 2.3             | 0.8           | 18.7       |
| CHECKS (TESTIGOS): |        |               |              |            |           |              |              |             |                |               |              |                 |               |            |
| 17 UCA             | 6947   | -             | 74           | 265        | 147       | 39.1         | 13.5         | 10.1        | 42.5           | 2.8           | 14.8         | 4.5             | 1.0           | 22.2       |
| 16 CCC             | 6158   | -             | 73           | 214        | 107       | 18.9         | 4.0          | 8.0         | 43.3           | 3.5           | 25.2         | 3.8             | 1.0           | 20.9       |
| CHECK MEANS        | 6552   | -             | 73           | 239        | 126       | 29.0         | 8.8          | 9.1         | 42.9           | 3.1           | 20.0         | 4.1             | 1.0           | 21.5       |
| 5% LSD             | 1828.2 |               | 2.3          | 16.9       | 11.4      |              |              |             | 4.2            |               |              |                 |               | 1.7        |
| C.V.               | 19.8   |               | 2.2          | 5.6        | 8.0       |              |              |             | 6.9            |               |              |                 |               | 5.6        |

TABLE: 77-EV-84

EVT18A YEAR 1984 MALAWI SVUNMBWE  
 CO-OPERATOR: ELIZABETH SIBALE DEPT. OF AGRIC. RES

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOADG | %EAR<br>ROT | RUST | HELM | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|---------------|-------------|------|------|----------------|---------------|------------|
| 4 Los Banos 8027   | 5592  | 105            | 70           | 226        | 112       | 5.1           | 13.9        | 2.0  | 1.0  | 43.8           | 1.3           | 20.4       |
| 6 Guarere (1) 8126 | 5505  | 102            | 68           | 208        | 90        | 6.5           | 14.1        | 2.0  | 1.8  | 43.0           | 1.2           | 20.3       |
| 1 Poza Rica 8121   | 5377  | 100            | 78           | 192        | 99        | 6.0           | 9.9         | 1.8  | 2.0  | 41.0           | 1.1           | 20.5       |
| 2 Across 8121      | 5277  | 98             | 75           | 219        | 98        | 8.0           | 17.0        | 1.8  | 3.0  | 43.8           | 1.1           | 20.4       |
| 10 Londrina 8136   | 5141  | 95             | 63           | 201        | 96        | 7.4           | 12.3        | 1.8  | 1.8  | 41.5           | 1.1           | 20.2       |
| 7 Ferke (1) 8126   | 5130  | 95             | 68           | 220        | 106       | 8.2           | 11.7        | 1.8  | 2.0  | 43.0           | 1.0           | 19.7       |
| 9 Poza Rica 8129   | 5041  | 92             | 72           | 207        | 88        | 2.9           | 16.1        | 1.3  | 1.8  | 41.8           | 1.1           | 19.9       |
| 3 Across 8024      | 4953  | 92             | 72           | 223        | 114       | 7.8           | 9.7         | 2.5  | 3.0  | 42.0           | 1.2           | 20.2       |
| 11 Poza Rica 8136  | 4948  | 92             | 67           | 192        | 91        | 4.0           | 16.2        | 1.3  | 2.8  | 43.5           | 1.1           | 19.1       |
| 12 Ilonga 8043     | 4396  | 91             | 76           | 246        | 116       | 5.5           | 18.8        | 1.8  | 2.3  | 41.3           | 1.2           | 21.1       |
| 15 Across 7729 RE  | 4878  | 90             | 72           | 209        | 113       | 4.2           | 13.3        | 1.8  | 2.3  | 42.0           | 1.1           | 21.2       |
| 14 Across 7726 RE  | 4859  | 90             | 76           | 228        | 111       | 3.0           | 17.6        | 1.5  | 1.8  | 41.5           | 1.2           | 19.5       |
| 5 La Molina 8128   | 4814  | 89             | 71           | 221        | 108       | 7.1           | 13.0        | 2.0  | 2.5  | 42.3           | 1.0           | 20.0       |
| 8 Muneng 8128      | 4677  | 87             | 70           | 220        | 96        | 6.3           | 19.3        | 2.3  | 2.5  | 43.3           | 1.1           | 20.0       |
| 13 Santa Rosa 8073 | 4260  | 79             | 75           | 219        | 102       | 9.0           | 18.2        | 1.5  | 2.8  | 41.3           | 1.2           | 19.6       |
| MEANS              | 5030  | 93             | 72           | 215        | 103       | 6.1           | 14.7        | 1.8  | 2.2  | 42.3           | 1.1           | 20.1       |
| MAXIMUM            | 5692  | 105            | 78           | 246        | 116       | 9.0           | 19.3        | 2.5  | 3.0  | 43.8           | 1.3           | 21.2       |
| MINIMUM            | 4260  | 75             | 57           | 192        | 88        | 2.9           | 9.7         | 1.3  | 1.0  | 41.0           | 1.0           | 19.1       |
| CHECKS (TESTIGOS): |       |                |              |            |           |               |             |      |      |                |               |            |
| 17 UCA             | 5395  | -              | 70           | 251        | 137       | 15.9          | 19.5        | 1.5  | 1.0  | 42.8           | 1.1           | 20.7       |
| 18 CCC             | 4564  | -              | 67           | 224        | 108       | 9.8           | 18.4        | 1.5  | 3.8  | 40.5           | 1.2           | 20.4       |
| CHECK MEANS        | 4980  | -              | 68           | 237        | 122       | 12.8          | 18.9        | 1.5  | 2.4  | 41.6           | 1.1           | 20.5       |
| 5% LSD             | 682.1 |                |              |            |           |               |             |      |      | 2.5            |               | 1.8        |
| C.V.               | 9.6   |                |              |            |           |               |             |      |      | 4.2            |               | 6.4        |

TABLE: 78-EV-84

EVT18A      YEAR 1984      MALAWI      MBAWA

CO-OPERATOR: ELIZABETH SIBALE

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | %EAR<br>RGT | LEAF<br>DIS. | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MCIST<br>% |
|--------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|--------------|---------------|----------------|---------------|-----------------|---------------|------------|
| 8 Muneng 8128      | 4443   | 117            | 69           | 285        | 175       | 21.5         | 4.1         | 1.3          | 1.8           | 44.3           | 2.0           | 2.0             | 1.0           | 16.2       |
| 4 Los Banos 8027   | 3911   | 103            | 69           | 276        | 172       | 12.0         | 6.3         | 1.5          | 1.3           | 43.5           | 2.0           | 2.5             | 1.0           | 16.3       |
| 1 Poza Rica 8121   | 3900   | 103            | 71           | 290        | 145       | 9.8          | 2.3         | 1.3          | 2.0           | 42.8           | 1.5           | 2.0             | 1.0           | 16.2       |
| 11 Poza Rica 8136  | 3507   | 93             | 69           | 258        | 149       | 15.6         | 10.7        | 1.3          | 2.0           | 42.8           | 2.5           | 2.3             | 1.0           | 16.8       |
| 9 Poza Rica 8129   | 3438   | 91             | 70           | 236        | 165       | 14.3         | 3.5         | 1.3          | 2.3           | 43.8           | 2.0           | 2.3             | 1.0           | 17.2       |
| 15 Across 7729 RE  | 3423   | 90             | 71           | 279        | 159       | 8.0          | 5.5         | 1.5          | 2.3           | 44.0           | 2.0           | 2.0             | 0.9           | 16.4       |
| 5 La Molina 8128   | 3411   | 90             | 71           | 305        | 175       | 12.5         | 5.1         | 1.5          | 2.0           | 44.0           | 1.8           | 1.8             | 1.0           | 16.3       |
| 6 Guarere (1) 8128 | 3335   | 88             | 71           | 256        | 170       | 9.7          | 4.6         | 1.3          | 2.0           | 44.0           | 1.3           | 1.3             | 1.0           | 16.8       |
| 3 Across 8024      | 3282   | 87             | 72           | 261        | 141       | 12.8         | 3.6         | 1.3          | 2.5           | 43.3           | 1.8           | 2.3             | 1.0           | 16.4       |
| 14 Across 7728 RE  | 3254   | 86             | 69           | 246        | 168       | 12.5         | 7.9         | 1.3          | 1.8           | 44.0           | 2.0           | 1.8             | 1.0           | 15.7       |
| 12 Ilonga 8043     | 3225   | 95             | 72           | 273        | 162       | 8.2          | 6.9         | 1.5          | 1.5           | 42.8           | 2.3           | 2.0             | 1.0           | 16.0       |
| 7 Ferke (1) 8128   | 3224   | 95             | 72           | 262        | 161       | 9.2          | 4.1         | 1.0          | 1.5           | 43.8           | 1.8           | 1.5             | 1.0           | 17.3       |
| 10 Londrina 8136   | 3035   | 80             | 70           | 253        | 165       | 9.7          | 6.4         | 1.3          | 1.5           | 43.5           | 2.0           | 2.0             | 1.0           | 16.9       |
| 2 Across 8121      | 2803   | 74             | 73           | 277        | 144       | 7.9          | 4.2         | 1.0          | 1.0           | 44.0           | 2.5           | 2.3             | 0.9           | 15.4       |
| 13 Santa Rosa 8073 | 2789   | 74             | 72           | 253        | 166       | 16.8         | 5.0         | 1.5          | 1.5           | 43.0           | 1.8           | 1.8             | 0.9           | 17.6       |
| MEANS              | 3399   | 90             | 71           | 267        | 161       | 12.0         | 5.3         | 1.3          | 1.8           | 43.6           | 1.9           | 2.0             | 1.0           | 16.5       |
| MAXIMUM            | 4443   | 117            | 73           | 305        | 175       | 21.5         | 10.7        | 1.5          | 2.5           | 44.3           | 2.5           | 2.5             | 1.0           | 17.6       |
| MINIMUM            | 2789   | 74             | 69           | 236        | 141       | 7.9          | 2.3         | 1.0          | 1.0           | 42.8           | 1.3           | 1.3             | 0.9           | 15.4       |
| CHECKS (TESTIGOS): |        |                |              |            |           |              |             |              |               |                |               |                 |               |            |
| 17 UCA             | 3786   | -              | 70           | 312        | 144       | 19.7         | 6.7         | 1.0          | 2.0           | 43.0           | 1.5           | 1.3             | 1.0           | 14.9       |
| 16 CCC             | 3465   | -              | 70           | 273        | 176       | 9.8          | 4.3         | 1.8          | 1.5           | 43.8           | 1.8           | 1.8             | 0.9           | 16.6       |
| CHECK MEANS        | 3625   | -              | 70           | 292        | 159       | 14.7         | 5.5         | 1.4          | 1.8           | 43.4           | 1.6           | 1.5             | 1.0           | 15.7       |
| 5% LSD             | 1417.9 |                | 1.9          | 51.8       | 31.1      |              |             |              |               | 1.7            |               |                 |               | 1.6        |
| C.V.               | 29.1   |                | 1.9          | 13.5       | 13.6      |              |             |              |               | 2.7            |               |                 |               | 7.1        |



TABLE: 79-EV-84

EVT18A      YEAR 1984      REP. S.AFRICA      POTCHEFSTROOM  
 CO-OPERATOR: DR. A.P. FOURIE, GRAIN CROPS RESEARCH INSTITUTE

| ENTRY NO./PEDIGREE | KG/HA  | %BEST<br>CHECK | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|--------|----------------|--------------|-------------|----------------|---------------|------------|
| 8 Muneng 8128      | 4443   | 76             | 43.6         | 5.3         | 35.8           | 1.2           | 10.0       |
| 10 Londrina 8136   | 4212   | 72             | 31.4         | 7.2         | 35.0           | 1.0           | 10.6       |
| 6 Guarere (1) 8128 | 4013   | 69             | 32.6         | 9.7         | 36.8           | 1.1           | 10.6       |
| 11 Poza Rica 8136  | 3988   | 68             | 30.0         | 10.1        | 34.5           | 1.1           | 10.6       |
| 13 Santa Rosa 8073 | 3897   | 67             | 22.3         | 15.7        | 36.8           | 0.9           | 10.4       |
| 9 Poza Rica 8129   | 3888   | 66             | 25.6         | 4.0         | 35.8           | 1.0           | 9.8        |
| 7 Ferke (1) 8128   | 3693   | 63             | 32.0         | 5.9         | 36.3           | 1.1           | 10.8       |
| 14 Across 7728 RE  | 3593   | 61             | 30.5         | 4.2         | 38.5           | 1.0           | 10.2       |
| 5 La Molina 8128   | 3493   | 60             | 26.0         | 7.0         | 37.5           | 1.0           | 10.2       |
| 4 Los Banos 8027   | 3373   | 58             | 28.1         | 8.6         | 36.0           | 1.1           | 10.4       |
| 15 Across 7729 RE  | 3275   | 56             | 28.8         | 9.7         | 34.8           | 1.0           | 10.0       |
| 12 Ilonga 8043     | 2830   | 48             | 22.8         | 15.9        | 36.8           | 0.8           | 10.2       |
| 3 Across 8024      | 2824   | 48             | 37.0         | 5.3         | 37.3           | 0.9           | 10.0       |
| 1 Poza Rica 8121   | 2630   | 45             | 28.3         | 6.9         | 36.5           | 0.8           | 9.8        |
| 2 Across 8121      | 2368   | 40             | 27.9         | 7.1         | 37.3           | 0.8           | 10.6       |
| MEANS              | 3501   | 60             | 29.8         | 8.2         | 36.4           | 1.0           | 10.3       |
| MAXIMUM            | 4443   | 76             | 43.6         | 15.9        | 38.5           | 1.2           | 10.8       |
| MINIMUM            | 2368   | 40             | 22.3         | 4.0         | 34.5           | 0.8           | 9.8        |
| CHECKS (TESTIGOS): |        |                |              |             |                |               |            |
| 17 TX-24           | 5857   | -              | 32.2         | 8.9         | 35.3           | 1.0           | 10.8       |
| 16 TX-9            | 4835   | -              | 23.9         | 9.7         | 37.0           | 1.0           | 11.8       |
| CHECK MEANS        | 5346   | -              | 28.1         | 9.3         | 36.1           | 1.0           | 11.3       |
| 5% LSD             | 1047.0 |                |              |             | 3.4            |               |            |
| C.V.               | 19.8   |                |              |             | 6.7            |               |            |

TABLE: 80-EV-84

EVT18A YEAR 1984 ZAIRE GANDAJIKI

CO-OPERATOR: DR. MULAMBA N'GANDE, RNP

| ENTRY NO./PEDIGREE | KG/HA   | 3RFST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | VIRUS<br>% | STEM<br>LDCG | POCT<br>LDCG | YEAR<br>ROT | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | LEAF<br>DISEASES | EARS/<br>PLNT | MOIST<br>% |      |
|--------------------|---------|----------------|--------------|------------|-----------|------------|--------------|--------------|-------------|---------------|----------------|--------------|------------------|---------------|------------|------|
| 7 Ferke (1)        | 8128    | 6096           | 121          | 63         | 210       | 108        | 22.0         | 2.2          | 60.3        | 9.6           | 2.3            | 36.5         | 2.0              | 0.8           | 1.2        | 23.0 |
| 4 Los Bzros        | 8027    | 5662           | 112          | 42         | 197       | 103        | 22.5         | 0.6          | 62.1        | 14.1          | 1.8            | 38.8         | 2.5              | 1.0           | 1.1        | 25.3 |
| 5 La Molina        | 8128    | 5653           | 112          | 64         | 214       | 116        | 21.6         | 4.5          | 95.4        | 10.9          | 1.8            | 31.8         | 2.5              | 0.5           | 1.3        | 23.0 |
| 15 Across          | 7729 RE | 5454           | 106          | 64         | 138       | 100        | 23.1         | 5.7          | 91.5        | 15.9          | 1.0            | 29.0         | 3.0              | 2.3           | 1.3        | 28.6 |
| 1 Poza Rica        | 8121    | 5305           | 105          | 65         | 197       | 95         | 26.2         | 4.3          | 70.7        | 10.2          | 2.8            | 31.3         | 3.0              | 0.3           | 1.1        | 22.8 |
| 11 Poza Rica       | 8126    | 5221           | 102          | 62         | 194       | 104        | 25.1         | 0.9          | 97.1        | 15.2          | 1.8            | 30.8         | 3.0              | 1.0           | 1.2        | 22.4 |
| 2 Across           | 8121    | 5125           | 101          | 65         | 205       | 105        | 24.3         | 1.7          | 89.6        | 13.1          | 1.3            | 27.5         | 2.8              | 2.3           | 1.2        | 25.4 |
| 3 Across           | 8024    | 5017           | 99           | 64         | 195       | 97         | 25.3         | 1.8          | 84.4        | 7.2           | 2.3            | 28.0         | 2.8              | 2.0           | 1.1        | 23.9 |
| 6 Guzere (1)       | 8128    | 4989           | 96           | 62         | 204       | 109        | 23.1         | 4.4          | 87.6        | 15.5          | 1.3            | 33.8         | 3.3              | 0.5           | 1.1        | 24.3 |
| 12 Ilonge          | 8043    | 4923           | 98           | 62         | 222       | 114        | 20.7         | 3.5          | 91.3        | 21.9          | 1.8            | 31.0         | 3.5              | 1.0           | 1.0        | 24.7 |
| 14 Across          | 7729 RE | 4872           | 96           | 65         | 210       | 114        | 41.6         | 2.8          | 81.6        | 11.9          | 1.8            | 32.8         | 3.3              | 0.3           | 1.1        | 26.5 |
| 8 Muneng           | 8128    | 4825           | 96           | 63         | 194       | 104        | 26.2         | 2.7          | 82.2        | 12.8          | 1.5            | 35.5         | 2.8              | 0.3           | 1.1        | 29.6 |
| 9 Poza Rica        | 8129    | 4399           | 87           | 64         | 184       | 91         | 35.6         | 3.3          | 90.9        | 10.2          | 2.8            | 29.3         | 3.0              | 1.3           | 1.2        | 24.4 |
| 10 Londrina        | 8136    | 4345           | 87           | 62         | 185       | 91         | 25.2         | 4.5          | 97.5        | 16.9          | 2.8            | 30.0         | 3.3              | 1.0           | 1.1        | 22.4 |
| 13 Santa Rosa      | 8073    | 3873           | 77           | 63         | 218       | 113        | 26.1         | 2.3          | 95.0        | 14.4          | 2.3            | 25.5         | 3.5              | 2.0           | 1.2        | 23.5 |
| MEANS              | 5055    | 100            | 62           | 201        | 104       | 30.4       | 2.1          | 84.5         | 13.3        | 1.9           | 31.4           | 2.9          | 1.1              | 1.1           | 24.7       |      |
| MAXIMLY            | 6096    | 121            | 65           | 222        | 116       | 24.3       | 5.7          | 97.5         | 21.9        | 2.8           | 38.8           | 3.5          | 2.3              | 1.3           | 29.6       |      |
| MINIMLY            | 3873    | 77             | 62           | 185        | 91        | 20.7       | 0.6          | 60.3         | 7.2         | 1.0           | 25.5           | 2.0          | 0.3              | 1.0           | 22.4       |      |
| CHECKS (TESTIGGS): |         |                |              |            |           |            |              |              |             |               |                |              |                  |               |            |      |
| 16 KASAI-1         | 5752    | -              | 67           | 204        | 109       | 45.2       | 5.1          | 76.8         | 13.4        | 1.8           | 28.3           | 3.0          | 0.5              | 1.1           | 28.0       |      |
| 17 SALONGO-2       | 4474    | -              | 65           | 183        | 95        | 37.0       | 3.3          | 83.1         | 8.4         | 1.3           | 29.3           | 3.3          | 1.8              | 1.1           | 31.8       |      |
| CHECK MEANS        | 4762    | -              | 66           | 196        | 103       | 41.1       | 4.2          | 90.0         | 10.9        | 1.5           | 28.8           | 3.1          | 1.1              | 1.1           | 29.9       |      |
| 90 LSC             | 1.65.6  |                | 2.4          | 22.0       | 13.2      |            |              |              |             |               | 7.1            |              |                  |               | 5.9        |      |
| C.V.               | 13.1    |                | 2.6          | 7.7        | 3.9       |            |              |              |             |               | 16.2           |              |                  |               | 16.5       |      |

TABLE: 81-EV-84

EVT18A YEAR 1984 ZIMBABWE RATTWAY-ARNCLO  
CO-OPERATOR:R.C. OLVER

| ENTRY NO./PEDIGREE | KG/HA | %REST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | YEAR<br>RCT | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|-------------|---------------|--------------|----------------|---------------|------------|
| 12 Ilonga 8043     | 7259  | 67             | 73           | 295        | 159       | 2.3          | 10.0        | 1.3           | 1.5          | 43.5           | 1.1           | 14.1       |
| 2 Across 8121      | 6479  | 60             | 71           | 263        | 148       | 4.7          | 4.5         | 1.3           | 1.3          | 42.8           | 1.1           | 14.3       |
| 11 Poza Rica 8136  | 5424  | 59             | 67           | 247        | 144       | 4.0          | 11.3        | 1.5           | 1.5          | 44.0           | 1.0           | 13.1       |
| 1 Poza Rica 8121   | 6417  | 59             | 71           | 261        | 149       | 1.7          | 8.9         | 1.5           | 2.0          | 43.5           | 1.0           | 14.1       |
| 8 Muneng 8128      | 5320  | 58             | 70           | 255        | 145       | 6.9          | 8.7         | 2.0           | 1.8          | 43.8           | 1.1           | 14.8       |
| 7 Ferke (1) 8128   | 6276  | 58             | 70           | 258        | 149       | 4.0          | 8.9         | 1.5           | 2.3          | 43.5           | 1.1           | 14.5       |
| 10 Londrina 8136   | 6207  | 57             | 69           | 245        | 144       | 4.2          | 3.0         | 1.8           | 1.5          | 42.3           | 1.0           | 13.3       |
| 9 Poza Rica 8129   | 6161  | 57             | 70           | 255        | 143       | 3.0          | 6.3         | 1.5           | 1.3          | 42.5           | 1.0           | 14.1       |
| 4 Los Banos 8027   | 6131  | 57             | 69           | 252        | 147       | 2.9          | 6.9         | 1.3           | 1.5          | 43.0           | 1.1           | 14.6       |
| 14 Across 7723 RE  | 6125  | 57             | 72           | 268        | 153       | 1.1          | 11.3        | 1.3           | 2.5          | 43.0           | 1.0           | 14.0       |
| 6 Guarere (1) 8128 | 6044  | 56             | 71           | 263        | 141       | 6.4          | 9.4         | 1.5           | 1.5          | 43.5           | 1.1           | 14.2       |
| 13 Santa Rosa 8073 | 5989  | 55             | 71           | 257        | 149       | 9.3          | 5.5         | 1.8           | 2.3          | 42.8           | 1.1           | 15.2       |
| 3 Across 8024      | 5979  | 55             | 70           | 257        | 145       | 5.2          | 8.2         | 1.5           | 1.8          | 43.3           | 1.0           | 13.2       |
| 5 La Molina 8128   | 5891  | 54             | 70           | 254        | 141       | 6.8          | 9.3         | 1.5           | 1.5          | 44.0           | 1.0           | 13.9       |
| 15 Across 7729 RE  | 5825  | 54             | 72           | 249        | 140       | 2.8          | 8.2         | 1.8           | 1.3          | 43.3           | 1.1           | 13.7       |
| MEANS              | 6235  | 58             | 70           | 259        | 146       | 4.4          | 8.3         | 1.5           | 1.7          | 43.2           | 1.1           | 14.1       |
| MAXIMUM            | 7259  | 57             | 73           | 295        | 159       | 9.3          | 11.3        | 2.0           | 2.5          | 44.0           | 1.1           | 15.2       |
| MINIMUM            | 5325  | 54             | 67           | 245        | 140       | 1.1          | 4.5         | 1.3           | 1.3          | 42.3           | 1.0           | 13.1       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |             |               |              |                |               |            |
| 17 SR 52           | 10916 | -              | 72           | 297        | 169       | 0.0          | 0.6         | 1.0           | 1.3          | 43.5           | 1.0           | 14.6       |
| 16 IS 225          | 10353 | -              | 68           | 291        | 148       | 0.0          | 1.7         | 1.3           | 1.0          | 44.0           | 1.1           | 10.9       |
| CHECK MEANS        | 10585 | -              | 68           | 294        | 158       | 0.0          | 1.1         | 1.1           | 1.1          | 43.8           | 1.0           | 12.8       |
| 5% LSD             | 933.9 |                | 1.6          | 19.7       | 15.6      |              |             |               |              | 1.5            |               | 1.4        |
| C.V.               | 9.7   |                | 1.6          | 5.0        | 7.4       |              |             |               |              | 2.4            |               | 6.9        |

TABLE: 82-EV-84

EVT18A YEAR 1984 VIETNAM HO-CHI-MINH CITY  
 CO-OPERATOR: VC DINH LONG, PHAN THUNG TRINH

| ENTRY NO./PEDIGREE  | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOADG | ROOT<br>LOADG | %EAR<br>RCT | CORTICIUM<br>SASAKII | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|---------------------|-------|----------------|--------------|------------|-----------|---------------|---------------|-------------|----------------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 6 Guarere (1) 8128  | 2562  | 120            | 44           | 173        | 85        | 40.7          | 8.3           | 13.4        | 4.3                  | 30.8           | 2.5           | 1.8          | 2.8             | 0.9           | 36.0       |
| 7 Ferke (1) 8120    | 2429  | 114            | 46           | 178        | 85        | 49.6          | 1.6           | 8.4         | 4.3                  | 30.0           | 2.5           | 1.6          | 3.5             | 0.8           | 36.9       |
| 10 Londrina 6135    | 2135  | 100            | 46           | 155        | 73        | 43.8          | 4.1           | 17.9        | 4.5                  | 24.3           | 2.8           | 10.5         | 3.8             | 0.8           | 34.9       |
| 14 Across 7728 RE   | 2109  | 99             | 46           | 175        | 88        | 13.9          | 0.7           | 11.0        | 4.3                  | 30.8           | 2.3           | 10.3         | 3.3             | 0.8           | 37.9       |
| 1 Poza Rica 8121    | 2103  | 99             | 44           | 169        | 88        | 17.4          | 1.8           | 8.2         | 4.5                  | 29.0           | 2.5           | 5.7          | 3.0             | 0.8           | 37.2       |
| 12 Ilonga 8043      | 2074  | 97             | 44           | 178        | 91        | 46.1          | 0.0           | 17.0        | 3.8                  | 25.8           | 2.3           | 3.9          | 3.0             | 0.9           | 37.8       |
| 5 La Molina 8129    | 2025  | 95             | 44           | 181        | 93        | 21.2          | 1.4           | 11.3        | 4.0                  | 28.3           | 2.8           | 7.0          | 3.0             | 0.9           | 36.0       |
| 3 Across 8024       | 2016  | 94             | 46           | 155        | 70        | 37.9          | 3.2           | 17.0        | 4.8                  | 28.5           | 3.0           | 5.9          | 4.5             | 0.8           | 36.4       |
| 4 Los Banos 8027    | 1895  | 84             | 44           | 168        | 81        | 27.7          | 0.0           | 14.6        | 4.5                  | 25.8           | 2.8           | 5.0          | 3.8             | 0.8           | 33.4       |
| 11 Poza Rica 8136   | 1661  | 78             | 44           | 168        | 90        | 10.6          | 0.0           | 12.0        | 4.5                  | 20.5           | 2.8           | 8.9          | 3.5             | 1.0           | 36.0       |
| 8 Muneng 8128       | 1566  | 73             | 44           | 175        | 88        | 18.6          | 0.0           | 10.3        | 4.3                  | 24.3           | 3.0           | 4.1          | 3.5             | 0.9           | 37.7       |
| 15 Across 7729 RE   | 1554  | 73             | 46           | 168        | 90        | 19.0          | 0.0           | 12.3        | 4.0                  | 22.8           | 2.5           | 8.0          | 3.3             | 0.8           | 37.5       |
| 2 Across 8121       | 1413  | 66             | 44           | 176        | 93        | 35.1          | 0.7           | 14.4        | 4.8                  | 27.5           | 2.8           | 7.6          | 3.3             | 0.8           | 37.8       |
| 13 Santa Rosa 8072  | 1319  | 62             | 46           | 175        | 85        | 23.4          | 4.7           | 20.9        | 4.8                  | 21.0           | 3.3           | 11.1         | 4.3             | 0.7           | 36.5       |
| 9 Poza Rica 8129    | 1290  | 50             | 46           | 165        | 73        | 19.2          | 1.0           | 12.9        | 4.8                  | 29.8           | 3.3           | 3.1          | 4.5             | 0.8           | 36.5       |
| MEANS               | 1870  | 87             | 45           | 171        | 84        | 28.2          | 1.8           | 13.4        | 4.4                  | 26.6           | 2.7           | 6.3          | 3.5             | 0.8           | 36.6       |
| MAXIMUM             | 2562  | 120            | 46           | 181        | 93        | 49.6          | 8.3           | 20.9        | 4.8                  | 30.8           | 3.3           | 11.1         | 4.5             | 1.0           | 38.0       |
| MINIMUM             | 1260  | 50             | 44           | 155        | 70        | 10.6          | 0.0           | 8.2         | 3.8                  | 20.5           | 2.3           | 1.6          | 2.8             | 0.7           | 33.4       |
| CHECKS (TESTIGES):  |       |                |              |            |           |               |               |             |                      |                |               |              |                 |               |            |
| 17 A1               | 2131  | -              | 44           | 188        | 104       | 22.2          | 1.4           | 6.2         | 3.8                  | 30.3           | 2.5           | 3.3          | 3.3             | 0.9           | 34.8       |
| 16 EARLY THAI COMP. | 1944  | -              | 44           | 199        | 98        | 21.1          | 8.5           | 6.0         | 3.3                  | 25.5           | 3.3           | 6.0          | 3.0             | 0.9           | 30.4       |
| CHECK MEANS         | 2043  | -              | 44           | 187        | 100       | 21.7          | 5.0           | 6.1         | 3.5                  | 27.9           | 2.9           | 4.7          | 3.1             | 0.9           | 32.6       |
| 5% LSC              | 854.6 |                |              | 16.7       | 15.9      |               |               |             |                      | 8.8            |               |              |                 |               | 2.6        |
| C.V.                | 37.2  |                |              | 6.8        | 13.0      |               |               |             |                      | 23.0           |               |              |                 |               | 5.0        |

TABLE: 83-EV484

YEAR:1984

TRIAL: ELVT19A  
MEANS ACROSS 50 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION        | REGION      |              |               |              |             |              | OVER ALL                        |              | KG./HA |
|--------------------|--------------------------|-------------|--------------|---------------|--------------|-------------|--------------|---------------------------------|--------------|--------|
|                    |                          | I<br>KG./HA | II<br>KG./HA | III<br>KG./HA | IV<br>KG./HA | V<br>KG./HA | VI<br>KG./HA | <-----MEAN-----><br>DAYS FLOWER | PLANT<br>HT. |        |
| 12 Ilonga 8043     | La Posta                 | 6077        | 5514         | 2693          | 4228         | 5123        | 5061         | 63                              | 224          | 5141   |
| 7 Ferke (1) 8128   | Amarillo Dentado         | 6154        | 5279         | 3183          | 4250         | 5108        | 5059         | 62                              | 215          | 5087   |
| 4 Los Banos 8027   | Amarillo Cristalino-1    | 5860        | 5116         | 3555          | 4636         | 5235        | 4769         | 62                              | 208          | 5062   |
| 6 Guarare (1) 8128 | Amarillo Dentado         | 5846        | 5300         | 3004          | 4277         | 5070        | 5277         | 62                              | 215          | 5061   |
| 9 Poza Rica 8129   | Tuxpeno Caribe           | 5922        | 5280         | 3471          | 4444         | 4643        | 4789         | 62                              | 202          | 5017   |
| 8 Muneng 8128      | Amarillo Dentado         | 5594        | 5160         | 3204          | 4357         | 5313        | 4793         | 62                              | 210          | 4974   |
| 1 Poza Rica 8121   | Tuxpeno 1                | 5623        | 5351         | 3003          | 4125         | 5105        | 4853         | 63                              | 210          | 4971   |
| 15 Across 7729RE   | Tuxpeno Caribe           | 5820        | 5227         | 3574          | 4190         | 4943        | 4823         | 63                              | 210          | 4967   |
| 5 La Molina 8128   | Amarillo Dentado         | 5635        | 5275         | 3113          | 4226         | 4841        | 4870         | 62                              | 218          | 4941   |
| 14 Across 7728RE   | Amarillo Dentado         | 5621        | 5366         | 2951          | 4117         | 4622        | 4928         | 63                              | 218          | 4922   |
| 11 Poza Rica 8136  | Cogollero                | 5649        | 5191         | 3425          | 4008         | 5974        | 4690         | 61                              | 205          | 4884   |
| 2 Across 8121      | Tuxpeno 1                | 5691        | 5221         | 3616          | 3872         | 5019        | 4381         | 63                              | 213          | 4839   |
| 13 Santa Rosa 8073 | Tropical Late White Dent | 5764        | 5204         | 2879          | 4053         | 4509        | 4394         | 63                              | 219          | 4802   |
| 10 Londrina 8136   | Cogollero                | 5641        | 4982         | 3144          | 3967         | 4956        | 4697         | 61                              | 205          | 4771   |
| 3 Across 8024      | Ant. Veracruz 181        | 5517        | 4658         | 2798          | 4208         | 4712        | 4687         | 63                              | 207          | 4650   |
| Mean               |                          | 5762        | 5208         | 3174          | 4197         | 5012        | 4802         | 62                              | 212          | 4939   |
| No of Locations    |                          | 8           | 18           | 2             | 11           | 6           | 5            | 46                              | 47           | 50     |

Region I= South America

II= North, Central America and the Caribbean

III= Mideast

IV= West Africa

V= East and South Africa

VI= Asia

TABLE: 84-EV-84

EVT188 YEAR 1984 BOLIVIA IACOPEREND1

CO-OPERATOR:ALBERTO HINOJOSA PADILLA

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLANT<br>HT | EAR<br>HT | STEM<br>LOGG | EAR<br>PDT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |      |
|------------------------|--------|----------------|--------------|-------------|-----------|--------------|------------|----------------|---------------|-----------------|---------------|------------|------|
| 10 Across              | 2145   | 4247           | 134          | 64          | 170       | 55           | 2.9        | 2.5            | 38.5          | 1.5             | 2.8           | 1.1        | 15.7 |
| 9 Rattray-Arnd(1) 8149 | 4512   | 177            | 64           | 173         | 20        | 0.0          | 1.4        | 34.5           | 1.8           | 2.5             | 1.1           | 14.0       |      |
| 8 Across               | 8035   | 4407           | 121          | 55          | 174       | 33           | 4.5        | 7.8            | 33.5          | 1.8             | 2.0           | 1.2        | 14.0 |
| 6 Suwan (1)            | 8131   | 4273           | 118          | 55          | 180       | 35           | 0.0        | 3.8            | 31.8          | 1.8             | 2.8           | 1.2        | 13.4 |
| 7 Ilonga               | 8032   | 4117           | 113          | 58          | 210       | 105          | 1.5        | 4.3            | 35.3          | 1.8             | 2.0           | 1.1        | 14.9 |
| 2 CIAT                 | 8120   | 4032           | 111          | 54          | 185       | 69           | 2.8        | 6.1            | 30.5          | 2.0             | 2.8           | 1.2        | 15.5 |
| 1 Poza Rica            | 8126   | 2937           | 104          | 57          | 103       | 45           | 5.4        | 5.3            | 32.8          | 1.9             | 2.3           | 1.1        | 14.9 |
| 4 La Molina            | 8131   | 3908           | 108          | 64          | 142       | 50           | 0.8        | 8.1            | 35.0          | 1.5             | 2.5           | 1.0        | 12.9 |
| 3 Comayagua            | 8130   | 3343           | 106          | 64          | 153       | 98           | 0.8        | 5.9            | 37.0          | 1.8             | 2.8           | 1.1        | 13.9 |
| 5 Islamabad (1)        | 8131   | 3752           | 113          | 65          | 145       | 90           | 2.8        | 6.1            | 32.8          | 2.0             | 3.3           | 1.1        | 14.4 |
| 11 Across              | 7726FE | 3554           | 101          | 53          | 125       | 45           | 3.3        | 7.6            | 33.0          | 2.0             | 2.8           | 1.1        | 17.4 |
| 12 Pirsabak (1)        | 7930FE | 3483           | 96           | 53          | 178       | 55           | 0.9        | 6.8            | 34.3          | 2.0             | 3.5           | 1.0        | 14.0 |
| MEANS                  | 4072   | 112            | 64           | 157         | 50        | 2.1          | 5.3        | 34.1           | 1.8           | 2.6             | 1.1           | 14.6       |      |
| MAXIMUM                | 4247   | 134            | 68           | 210         | 104       | 5.4          | 8.1        | 38.5           | 2.0           | 3.5             | 1.2           | 17.4       |      |
| MINIMUM                | 3433   | 76             | 63           | 170         | 20        | 0.0          | 1.4        | 30.5           | 1.5           | 2.0             | 1.0           | 12.9       |      |
| CHECKS (TESTIGGS):     |        |                |              |             |           |              |            |                |               |                 |               |            |      |
| 13 AMARILLO BAJIC      | 3529   | -              | 54           | 170         | 43        | 2.5          | 4.1        | 28.3           | 1.8           | 3.3             | 1.0           | 14.9       |      |
| 14 AMARILLO LCCAL      | 2441   | -              | 89           | 250         | 155       | 3.3          | 4.2        | 35.5           | 1.5           | 1.3             | 0.7           | 14.0       |      |
| CHECK MEANS            | 3035   | -              | 61           | 210         | 118       | 2.9          | 5.2        | 31.9           | 1.6           | 2.3             | 0.8           | 14.5       |      |
| 5% LSD                 | 360.6  |                | 1.0          | 23.9        | 13.4      |              |            | 6.5            |               |                 |               | 2.0        |      |
| C.V.                   | 17.1   |                | 1.1          | 8.9         | 24.4      |              |            | 13.5           |               |                 |               | 9.6        |      |

TABLE: 85-EV-84

EVT188 YEAR 1984 PARAGUAY CAACUPF  
 CO-OPERATOR: INSTITUTO AGRONÓMICO NACIONAL, M. ESTIGARRIBIA

| ENTRY NO./PEDIGRÉE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PUCC<br>POLY | PUCC<br>SORG | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|--------------|--------------|-----------------|------------|
| 9 Rattray-Arnd(1) 8149 | 4082  | 138            | 76           | 126        | 44        | 1.1          | 1.1          | 1.7         | 1.0          | 2.3          | 44.0           | 3.0          | 11.2         | 3.3             | 19.6       |
| 2 CIAT 8130            | 3741  | 126            | 74           | 145        | 56        | 6.0          | 1.8          | 3.1         | 1.5          | 2.0          | 41.8           | 3.3          | 13.8         | 2.8             | 17.4       |
| 10 Across 8149         | 3717  | 125            | 76           | 109        | 41        | 1.3          | 0.8          | 3.9         | 1.3          | 2.5          | 39.6           | 3.3          | 13.4         | 3.3             | 19.3       |
| 4 La Molina 8131       | 3589  | 121            | 71           | 124        | 43        | 2.4          | 0.6          | 2.4         | 1.5          | 2.3          | 41.5           | 3.3          | 12.2         | 3.3             | 15.9       |
| 8 Across 8035          | 3526  | 119            | 76           | 131        | 45        | 5.6          | 4.2          | 1.2         | 1.3          | 2.0          | 41.0           | 3.0          | 16.5         | 2.8             | 18.9       |
| 7 Ilonga 8032          | 3498  | 118            | 79           | 136        | 58        | 1.2          | 2.3          | 2.5         | 1.0          | 1.8          | 42.8           | 3.5          | 5.0          | 3.0             | 21.2       |
| 3 Comayagua 8130       | 3356  | 113            | 73           | 141        | 51        | 4.6          | 4.6          | 3.2         | 1.8          | 1.8          | 43.0           | 3.3          | 5.6          | 3.0             | 18.2       |
| 1 Poza Rica 8126       | 3338  | 112            | 77           | 146        | 55        | 4.7          | 2.3          | 1.9         | 1.3          | 1.8          | 41.8           | 3.0          | 6.3          | 2.8             | 19.3       |
| 6 Suwan (1) 8131       | 3269  | 110            | 71           | 120        | 38        | 3.0          | 1.2          | 2.5         | 1.3          | 1.8          | 42.0           | 4.0          | 14.4         | 3.5             | 16.4       |
| 5 Islamabad (1) 8131   | 3184  | 107            | 71           | 115        | 38        | 3.7          | 3.1          | 2.0         | 1.3          | 1.8          | 41.0           | 4.0          | 10.4         | 3.5             | 16.6       |
| 12 Pirsabak (1) 7930RE | 3103  | 105            | 72           | 124        | 49        | 1.2          | 3.0          | 6.0         | 1.0          | 2.3          | 42.0           | 4.0          | 7.8          | 3.3             | 17.0       |
| 11 Across 7726RE       | 2966  | 100            | 79           | 135        | 58        | 6.2          | 1.3          | 3.3         | 1.3          | 2.8          | 40.5           | 4.0          | 15.0         | 3.0             | 20.2       |
| MEANS                  | 3448  | 116            | 74           | 129        | 49        | 3.4          | 2.2          | 2.8         | 1.3          | 2.1          | 41.8           | 3.5          | 11.0         | 3.1             | 18.3       |
| MAXIMUM                | 4082  | 138            | 79           | 146        | 58        | 6.2          | 4.6          | 6.0         | 1.8          | 2.8          | 44.0           | 4.0          | 16.5         | 3.5             | 21.2       |
| MINIMUM                | 2966  | 100            | 71           | 109        | 38        | 1.1          | 0.6          | 1.2         | 1.0          | 1.8          | 39.8           | 3.0          | 5.0          | 2.8             | 15.9       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |              |                |              |              |                 |            |
| 14 GERMINAL P-491      | 2967  | -              | 86           | 196        | 109       | 3.6          | 0.8          | 0.9         | 1.3          | 3.0          | 28.3           | 2.8          | 3.5          | 3.3             | 23.1       |
| 13 GUARANI V-311       | 2434  | -              | 93           | 218        | 126       | 10.9         | 5.2          | 2.1         | 1.0          | 2.8          | 40.0           | 5.0          | 0.6          | 3.5             | 22.9       |
| CHECK MEANS            | 2701  | -              | 89           | 206        | 117       | 7.2          | 3.0          | 1.5         | 1.1          | 2.9          | 34.1           | 3.9          | 2.1          | 3.4             | 23.0       |
| 5% LSD                 | 831.3 |                | 1.6          | 14.4       | 13.9      |              |              |             |              |              | 4.6            |              |              |                 |            |
| C.V.                   | 17.4  |                | 1.5          | 7.2        | 16.8      |              |              |             |              |              | 8.0            |              |              |                 |            |

TABLE: 86-EV-84

EVT188 YEAR 1984 PARAGUAY CAPITAN MIRANDA

CO-OPERATOR:VERONICA MACHADO, C.R.I.A.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | CURV | SPODD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|------|-------|----------------|--------------|--------------|-----------------|------------|
| 10 Across 8149         | 7479  | 116            | 82           | 170        | 84        | 2.3          | 0.0          | 1.1         | 2.3  | 2.3   | 43.8           | 2.5          | 6.6          | 2.3             | 17.3       |
| 7 Ilonga 8032          | 7457  | 116            | 85           | 194        | 104       | 1.1          | 1.1          | 1.5         | 2.0  | 2.3   | 43.5           | 2.8          | 12.6         | 2.3             | 18.7       |
| 9 Rettray-Arnd(1) 8149 | 7244  | 113            | 82           | 161        | 80        | 3.5          | 1.1          | 1.7         | 2.3  | 4.3   | 43.5           | 3.0          | 11.7         | 2.0             | 17.8       |
| 8 Across 8035          | 6895  | 107            | 91           | 185        | 93        | 9.3          | 1.2          | 2.2         | 2.5  | 3.0   | 42.5           | 3.0          | 15.9         | 3.0             | 16.8       |
| 11 Across 7726RE       | 6595  | 102            | 83           | 200        | 103       | 9.4          | 0.0          | 1.2         | 2.3  | 3.3   | 43.0           | 2.8          | 23.1         | 3.0             | 17.3       |
| 5 Islamabad (1) 8131   | 6557  | 102            | 78           | 166        | 80        | 9.9          | 0.6          | 2.3         | 2.3  | 2.8   | 43.0           | 3.3          | 18.4         | 3.5             | 15.9       |
| 1 Poza Rica 8126       | 6523  | 101            | 83           | 186        | 96        | 11.4         | 2.3          | 2.8         | 2.0  | 2.3   | 43.8           | 2.8          | 13.3         | 3.0             | 16.5       |
| 2 CIAT 8130            | 6482  | 101            | 79           | 178        | 95        | 20.5         | 2.3          | 1.8         | 2.0  | 2.8   | 42.8           | 2.8          | 19.2         | 3.8             | 16.9       |
| 6 Suwan (1) 9131       | 6321  | 98             | 77           | 173        | 84        | 12.5         | 3.5          | 4.5         | 2.3  | 2.5   | 43.8           | 3.0          | 18.3         | 3.8             | 16.4       |
| 12 Pirsabak (1) 7930RE | 6222  | 97             | 78           | 168        | 80        | 13.5         | 1.7          | 2.8         | 2.3  | 3.5   | 42.8           | 3.0          | 12.2         | 4.0             | 16.1       |
| 4 La Molina 8131       | 5962  | 93             | 76           | 160        | 74        | 12.5         | 2.9          | 1.8         | 1.5  | 3.3   | 41.8           | 3.3          | 19.8         | 3.8             | 16.6       |
| 3 Comayagua 8130       | 5682  | 98             | 78           | 184        | 91        | 11.1         | 1.8          | 1.8         | 2.0  | 2.5   | 42.5           | 3.5          | 10.6         | 3.8             | 17.0       |
| MEANS                  | 6618  | 103            | 80           | 177        | 89        | 9.8          | 1.5          | 2.1         | 2.1  | 2.9   | 43.0           | 3.0          | 15.1         | 3.2             | 16.9       |
| MAXIMUM                | 7479  | 116            | 85           | 200        | 104       | 20.5         | 3.5          | 4.5         | 2.5  | 4.3   | 43.8           | 3.5          | 23.1         | 4.0             | 18.7       |
| MINIMUM                | 5682  | 88             | 76           | 160        | 74        | 1.1          | 0.0          | 1.1         | 1.5  | 2.3   | 41.8           | 2.5          | 6.6          | 2.0             | 15.9       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |      |       |                |              |              |                 |            |
| 13 GUARANI V-311       | 6434  | -              | 102          | 259        | 165       | 21.0         | 3.9          | 0.5         | 1.5  | 2.5   | 38.3           | 3.3          | 6.3          | 4.5             | 20.4       |
| 14 GERMINAL P-491      | 5740  | -              | 96           | 224        | 129       | 0.9          | 5.2          | 1.4         | 1.3  | 2.5   | 28.8           | 2.8          | 13.4         | 3.3             | 18.7       |
| EMBECK MEANS           | 6087  | -              | 98           | 241        | 146       | 11.0         | 4.5          | 1.0         | 1.4  | 2.5   | 33.5           | 3.0          | 9.9          | 3.9             | 19.6       |
| 5% LSD                 | 539.7 |                | 2.1          | 11.8       | 11.7      |              |              |             |      |       | 3.1            |              |              |                 |            |
| C.V.                   | 5.8   |                | 1.7          | 4.4        | 8.5       |              |              |             |      |       | 5.2            |              |              |                 |            |



TABLE: 87-EV-84

| EVT188                   |        | YEAR 1984      | PERU        | PIURA          |               |                 |               |            |      |
|--------------------------|--------|----------------|-------------|----------------|---------------|-----------------|---------------|------------|------|
| CO-OPERATOR:M. NEVADC B. |        |                |             |                |               |                 |               |            |      |
| ENTRY NO./PEDIGREE       | KG/HA  | %BEST<br>CHECK | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>FLNT | MOIST<br>% |      |
| 11 Across                | 7726RE | 7495           | 109         | 5.5            | 40.0          | 2.8             | 2.5           | 1.1        | 16.4 |
| 8 Across                 | 8035   | 5957           | 85          | 16.1           | 32.8          | 1.8             | 2.3           | 1.2        | 15.2 |
| 2 CIAT                   | 813C   | 5794           | 84          | 17.5           | 34.5          | 2.5             | 2.3           | 1.1        | 14.7 |
| 1 Poza Rica              | 8126   | 5745           | 84          | 5.6            | 29.5          | 2.9             | 2.5           | 1.3        | 15.4 |
| 7 Ilonga                 | 8032   | 5643           | 32          | 9.4            | 33.0          | 2.3             | 2.3           | 1.1        | 16.7 |
| 9 Rattray-Arnd(1)        | 8149   | 5391           | 78          | 9.6            | 33.8          | 2.8             | 2.6           | 1.0        | 15.2 |
| 4 La Molina              | 8131   | 4335           | 72          | 20.1           | 34.3          | 1.8             | 2.0           | 1.0        | 13.9 |
| 6 Suwan (1)              | 8131   | 4324           | 70          | 22.5           | 35.5          | 1.8             | 2.0           | 1.0        | 14.1 |
| 3 Comayagua              | 8130   | 4792           | 70          | 12.2           | 32.8          | 2.8             | 2.3           | 1.1        | 14.6 |
| 10 Across                | 8145   | 4552           | 66          | 14.4           | 37.0          | 2.3             | 2.3           | 1.0        | 14.9 |
| 5 Islamabad (1)          | 8131   | 4551           | 66          | 16.0           | 31.0          | 1.5             | 2.0           | 1.0        | 14.7 |
| 12 Pirsabak (1)          | 793CRE | 4396           | 64          | 19.9           | 32.5          | 2.0             | 2.0           | 0.8        | 14.4 |
| MEANS                    | 5331   | 79             | 14.1        | 33.9           | 2.2           | 2.3             | 1.1           | 15.0       |      |
| MAXIMUM                  | 7495   | 109            | 22.5        | 40.0           | 2.8           | 2.8             | 1.3           | 16.7       |      |
| MINIMUM                  | 4396   | 64             | 5.5         | 29.5           | 1.5           | 2.0             | 0.8           | 13.9       |      |
| CHECKS (TESTIGOS):       |        |                |             |                |               |                 |               |            |      |
| 14 PM-102                | 6868   | -              | 7.1         | 34.5           | 2.3           | 2.8             | 1.3           | 16.8       |      |
| 13 PM-701                | 5407   | -              | 19.8        | 34.0           | 3.0           | 3.0             | 0.9           | 16.8       |      |
| CHECK MEANS              | 6137   | -              | 13.4        | 34.3           | 2.6           | 2.9             | 1.1           | 16.8       |      |
| S $\bar{x}$ LSC          | 1665.2 |                |             | 8.4            |               |                 |               | 1.1        |      |
| C.V.                     | 21.4   |                |             | 17.3           |               |                 |               | 5.0        |      |

TABLE: 88-EV-84

EVT193 YEAR 1984 MEXICO CO. DEPEGM  
 CO-OPERATOR: ANGEL SOQUI, OSCAR COTA, CIANO

| ENTRY NG./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LDDG | ROOT<br>LDDG | FEAR<br>RET | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|---------------|------------|
| 1 Poza Rica 8126       | 7029  | 102            | 78           | 188        | 95        | 1.7          | 3.5          | 2.0         | 43.5           | 4.1          | 16.4         | 1.2           | 17.6       |
| 9 Rattray-Arnd(1) 9149 | 6350  | 100            | 79           | 180        | 90        | 0.5          | 2.2          | 1.0         | 43.0           | 4.0          | 12.8         | 1.1           | 15.8       |
| 10 Across 8149         | 5339  | 99             | 73           | 159        | 35        | 0.0          | 1.1          | 1.9         | 41.5           | 4.0          | 14.2         | 1.2           | 16.1       |
| 11 Across 7726RE       | 6324  | 99             | 91           | 204        | 103       | 1.2          | 13.2         | 1.5         | 41.3           | 4.0          | 24.8         | 1.2           | 17.0       |
| 2 CIAT 8130            | 6717  | 98             | 73           | 201        | 104       | 2.5          | 14.1         | 0.0         | 41.8           | 4.1          | 19.8         | 1.1           | 15.3       |
| 6 Suwan (1) 8131       | 6399  | 94             | 68           | 193        | 90        | 1.2          | 4.4          | 1.7         | 41.3           | 4.0          | 25.3         | 1.1           | 15.9       |
| 7 Ilonga 8032          | 6550  | 95             | 94           | 191        | 98        | 1.4          | 11.0         | 2.4         | 39.0           | 4.1          | 14.8         | 1.2           | 21.1       |
| 4 La Molina 8131       | 6409  | 93             | 70           | 193        | 90        | 0.0          | 10.3         | 2.4         | 39.8           | 4.0          | 16.6         | 1.1           | 14.9       |
| 3 Comayagua 8130       | 6093  | 89             | 70           | 195        | 104       | 1.1          | 9.3          | 0.0         | 39.5           | 4.0          | 9.2          | 1.2           | 14.9       |
| 8 Across 8035          | 6074  | 98             | 90           | 195        | 94        | 1.3          | 14.4         | 2.9         | 42.3           | 3.6          | 14.0         | 1.1           | 16.5       |
| 12 Pirsabak (1) 7930RE | 5405  | 95             | 58           | 193        | 95        | 1.9          | 1.7          | 2.7         | 42.8           | 4.1          | 14.4         | 1.0           | 15.1       |
| 5 Islamabad (1) 8131   | 5791  | 84             | 67           | 189        | 89        | 1.3          | 7.3          | 0.7         | 38.0           | 4.0          | 31.2         | 1.0           | 14.8       |
| MEANS                  | 6473  | 94             | 74           | 191        | 95        | 1.2          | 7.7          | 1.6         | 41.1           | 4.0          | 17.8         | 1.1           | 16.2       |
| MAXIMUM                | 7029  | 102            | 94           | 204        | 104       | 2.5          | 14.4         | 2.9         | 43.5           | 4.1          | 31.2         | 1.2           | 21.1       |
| MINIMUM                | 5791  | 84             | 57           | 159        | 55        | 0.0          | 1.1          | 0.0         | 39.0           | 3.6          | 9.2          | 1.0           | 14.8       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                |              |              |               |            |
| 13 V-425               | 6384  | -              | 77           | 193        | 108       | 0.0          | 2.4          | 3.6         | 41.0           | 4.4          | 19.5         | 1.0           | 19.2       |
| 14 V-424               | 6466  | -              | 75           | 173        | 88        | 0.0          | 2.6          | 0.5         | 39.5           | 3.9          | 14.0         | 1.1           | 17.9       |
| CHECK MEANS            | 6675  | -              | 76           | 182        | 97        | 0.0          | 2.5          | 2.0         | 40.3           | 4.1          | 16.7         | 1.1           | 18.5       |
| 5% LSD                 | 543.7 |                | 3.0          | 13.0       | 13.0      |              |              |             | 5.4            |              |              |               | 1.6        |
| C.V.                   | 9.1   |                | 2.9          | 7.0        | 11.1      |              |              |             | 9.1            |              |              |               | 6.9        |

TABLE: 89-EV-84

EVT188 YEAR 1984

ST. KITTS

MANSION

CO-OPERATOR: S. CROSSMAN, NATIONAL AGRICULTURAL CORPORATION

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | ROOT<br>LODG | HELM<br>MAYD | PLANTS<br>HARV | %BAD<br>H.C. | EARS/<br>PLNT |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|----------------|--------------|---------------|
| 7 Ilonga 8032          | 10724  | 215            | 71           | 154        | 65        | 0.0          | 2.8          | 43.3           | 0.6          | 1.0           |
| 2 CIAT 8130            | 10695  | 214            | 64           | 154        | 64        | 0.6          | 1.5          | 42.5           | 2.2          | 1.0           |
| 1 Poza Rica 8126       | 10068  | 202            | 67           | 142        | 57        | 0.6          | 1.8          | 42.8           | 0.0          | 1.1           |
| 10 Across 8149         | 10039  | 201            | 69           | 122        | 49        | 0.0          | 2.3          | 42.5           | 0.0          | 1.0           |
| 9 Rattray-Arnd(1) 8149 | 9868   | 198            | 67           | 118        | 47        | 0.0          | 2.3          | 42.5           | 1.8          | 1.0           |
| 11 Across 7726RE       | 9754   | 195            | 71           | 151        | 59        | 0.0          | 2.3          | 43.8           | 0.6          | 0.9           |
| 8 Across 8035          | 9640   | 193            | 69           | 134        | 52        | 0.6          | 2.0          | 42.0           | 1.3          | 1.0           |
| 6 Suwan (1) 8131       | 9155   | 183            | 64           | 128        | 52        | 0.0          | 2.0          | 42.3           | 1.2          | 1.0           |
| 5 Islamabad (1) 8131   | 9127   | 183            | 64           | 136        | 54        | 0.0          | 2.0          | 42.5           | 0.0          | 1.0           |
| 12 Pirsabak (1) 7930RE | 9070   | 182            | 64           | 129        | 50        | 0.0          | 2.5          | 43.5           | 0.6          | 1.0           |
| 3 Comayagua 8130       | 9041   | 181            | 64           | 130        | 45        | 0.0          | 2.0          | 41.8           | 0.0          | 1.0           |
| 4 La Molina 8131       | 8927   | 179            | 64           | 129        | 41        | 0.0          | 2.3          | 43.8           | 2.4          | 0.9           |
| MEANS                  | 9676   | 194            | 66           | 136        | 53        | 0.2          | 2.1          | 42.8           | 0.9          | 1.0           |
| MAXIMUM                | 10724  | 215            | 71           | 154        | 65        | 0.6          | 2.8          | 43.8           | 2.4          | 1.1           |
| MINIMUM                | 8927   | 179            | 64           | 118        | 41        | 0.0          | 1.5          | 41.8           | 0.0          | 0.9           |
| CHECKS (TESTIGDS):     |        |                |              |            |           |              |              |                |              |               |
| 13 NEVIS LOCAL         | 4991   | -              | 73           | 140        | 53        | 3.1          | 2.5          | 26.3           | 0.0          | 0.8           |
| CHECK MEANS            | 4991   | -              | 72           | 140        | 53        | 3.1          | 2.5          | 26.3           | 0.0          | 0.8           |
| 5% LSD                 | 1428.2 |                | 2.8          | 15.4       | 10.5      |              |              | 5.3            |              |               |
| C.V.                   | 10.7   |                | 2.9          | 7.9        | 13.9      |              |              | 9.0            |              |               |

TABLE: 90-EV-84

EVT188      YEAR 1984      ST. KITTS      NEEDSMUST

CO-OPERATOR:STAFFORD CRSSMAN, NACO

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODGE | ROOT<br>LODGE | HELM<br>MAYD | SPODD | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------------------|--------|----------------|--------------|------------|-----------|---------------|---------------|--------------|-------|----------------|---------------|--------------|-----------------|---------------|
| 9 Rattray-Arnd(1) 8149 | 9811   | -              | 56           | 132        | 47        | 0.0           | 0.0           | 1.8          | 2.0   | 43.5           | 2.0           | 3.0          | 2.0             | 1.2           |
| 10 Across 8149         | 9298   | -              | 57           | 139        | 49        | 0.0           | 0.6           | 2.8          | 2.0   | 44.3           | 2.5           | 2.0          | 2.0             | 1.1           |
| 2 CIAT 8130            | 9212   | -              | 52           | 153        | 61        | 1.2           | 0.0           | 2.3          | 2.0   | 41.3           | 2.0           | 2.2          | 2.0             | 1.1           |
| 8 Across 8035          | 8984   | -              | 59           | 149        | 57        | 0.0           | 1.9           | 2.5          | 2.0   | 40.0           | 2.0           | 2.2          | 2.0             | 1.2           |
| 5 Islamabad (1) 8131   | 8756   | -              | 50           | 142        | 58        | 3.5           | 0.6           | 2.3          | 2.0   | 41.5           | 2.0           | 3.4          | 2.0             | 1.1           |
| 6 Suwan (1) 8131       | 8699   | -              | 50           | 144        | 53        | 2.4           | 2.5           | 2.8          | 2.0   | 40.3           | 2.0           | 3.7          | 2.0             | 1.0           |
| 4 La Molina 8131       | 8442   | -              | 50           | 145        | 55        | 3.6           | 0.0           | 2.3          | 2.0   | 42.0           | 2.0           | 4.0          | 2.0             | 1.1           |
| 12 Pirsabak (1) 7930RE | 8414   | -              | 50           | 138        | 52        | 1.2           | 0.0           | 2.3          | 2.0   | 42.3           | 2.0           | 2.7          | 2.0             | 1.1           |
| 3 Comayagua 8130       | 8271   | -              | 51           | 160        | 60        | 2.4           | 1.8           | 1.8          | 2.0   | 42.3           | 2.0           | 2.9          | 2.0             | 1.0           |
| 11 Across 7726RE       | 7729   | -              | 61           | 157        | 63        | 0.0           | 0.0           | 1.8          | 2.0   | 41.0           | 2.3           | 4.4          | 2.0             | 1.0           |
| 7 Ilonga 8032          | 7415   | -              | 64           | 149        | 67        | 0.0           | 0.6           | 2.0          | 2.0   | 41.3           | 2.0           | 4.4          | 2.0             | 1.0           |
| 1 Poza Rica 8126       | 7301   | -              | 61           | 157        | 62        | 1.2           | 1.2           | 2.0          | 2.0   | 40.5           | 2.3           | 3.2          | 2.0             | 1.1           |
| MEANS                  | 8528   | -              | 55           | 148        | 57        | 1.3           | 0.8           | 2.2          | 2.0   | 41.7           | 2.1           | 3.2          | 2.0             | 1.1           |
| MAXIMUM                | 9811   | -              | 64           | 160        | 68        | 3.6           | 2.5           | 2.8          | 2.0   | 44.3           | 2.5           | 4.4          | 2.0             | 1.2           |
| MINIMUM                | 7301   | -              | 50           | 132        | 47        | 0.0           | 0.0           | 1.8          | 2.0   | 40.0           | 2.0           | 2.0          | 2.0             | 1.0           |
| 5% LSD                 | 1495.5 |                | 2.9          | 12.3       | 9.1       |               |               |              |       | 2.7            |               |              |                 |               |
| C.V.                   | 12.2   |                | 3.6          | 5.8        | 11.0      |               |               |              |       | 4.4            |               |              |                 |               |

TABLE: 91-EV-84

EVT188      YEAR 1984      YEMEN A.R.      ZABID  
 CO-OPERATOR: ALI E. KAMBAL

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EARS/<br>PLNT |
|------------------------|-------|----------------|--------------|------------|-----------|----------------|--------------|--------------|---------------|
| 6 Suwan (1) 8131       | 6787  | 122            | 54           | 182        | 82        | 42.0           | 2.3          | 15.6         | 1.0           |
| 9 Rattray-Arnd(1) 8149 | 6765  | 122            | 58           | 147        | 65        | 40.0           | 3.3          | 5.7          | 1.0           |
| 10 Across 8149         | 6701  | 121            | 60           | 147        | 64        | 41.3           | 3.0          | 3.7          | 1.0           |
| 5 Islamabad (1) 8131   | 6637  | 120            | 53           | 171        | 77        | 40.0           | 2.7          | 6.9          | 1.1           |
| 1 Poza Rica 8126       | 6296  | 113            | 60           | 189        | 96        | 39.3           | 2.7          | 11.6         | 1.1           |
| 8 Across 8035          | 6296  | 113            | 59           | 186        | 83        | 40.3           | 3.3          | 16.9         | 1.0           |
| 7 Ilonga 8032          | 6147  | 111            | 65           | 200        | 97        | 41.3           | 3.0          | 3.3          | 1.0           |
| 11 Across 7726RE       | 5890  | 106            | 63           | 196        | 93        | 40.0           | 2.7          | 9.8          | 1.0           |
| 4 La Molina 8131       | 5848  | 105            | 53           | 175        | 77        | 40.7           | 3.0          | 10.5         | 1.1           |
| 2 CIAT 8130            | 5549  | 100            | 57           | 183        | 92        | 40.0           | 3.0          | 10.4         | 1.0           |
| 3 Comayagua 8130       | 5378  | 97             | 55           | 177        | 83        | 40.0           | 3.0          | 9.5          | 1.1           |
| 12 Pirsabak (1) 7930RE | 5165  | 93             | 56           | 156        | 84        | 38.7           | 3.7          | 4.8          | 1.1           |
| MEANS                  | 6122  | 110            | 58           | 176        | 83        | 40.3           | 3.0          | 9.1          | 1.1           |
| MAXIMUM                | 6787  | 122            | 65           | 200        | 97        | 42.0           | 3.7          | 16.9         | 1.1           |
| MINIMUM                | 5165  | 93             | 53           | 147        | 64        | 38.7           | 2.3          | 3.3          | 1.0           |
| CHECKS (TESTIGOS):     |       |                |              |            |           |                |              |              |               |
| 13 TIHAMA-1            | 5549  | -              | 69           | 224        | 126       | 40.7           | 3.3          | 4.7          | 1.0           |
| 14 ZABID LDCAL         | 4567  | -              | 54           | 186        | 88        | 37.7           | 4.0          | 4.2          | 1.3           |
| CHECK MEANS            | 5058  | -              | 61           | 204        | 106       | 39.2           | 3.7          | 4.4          | 1.2           |
| 5% LSD                 | 963.1 |                | 2.8          | 27.0       | 13.7      | 5.4            |              |              |               |
| C.V.                   | 9.6   |                | 2.9          | 8.9        | 9.5       | 7.9            |              |              |               |

TABLE: 92-EV-84

EVT188 YEAR 1984 YEMEN A.R. SURDUD  
CO-OPERATOR: A. KAMBAL AND A. HAZZA

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | STEM<br>LDDG | ROOT<br>LDDG | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT |
|------------------------|-------|----------------|--------------|--------------|--------------|----------------|--------------|--------------|-----------------|---------------|
| 9 Rattray-Arnd(1) 8149 | 6531  | 121            | 64           | 0.6          | 0.0          | 38.5           | 3.3          | 3.8          | 2.0             | 1.0           |
| 1 Poza Rica 8126       | 6082  | 113            | 69           | 0.6          | 0.0          | 44.5           | 3.0          | 4.6          | 2.3             | 1.0           |
| 10 Across 8149         | 6050  | 112            | 65           | 0.0          | 0.6          | 42.5           | 3.0          | 6.1          | 1.3             | 1.0           |
| 11 Across 7726RE       | 6050  | 112            | 67           | 0.6          | 0.0          | 43.5           | 2.8          | 8.0          | 1.3             | 1.0           |
| 8 Across 8035          | 5954  | 111            | 65           | 0.7          | 0.0          | 40.5           | 3.5          | 7.9          | 1.5             | 1.0           |
| 5 Islamabad (1) 8131   | 5762  | 107            | 60           | 0.6          | 0.0          | 41.5           | 2.8          | 5.6          | 3.0             | 1.0           |
| 2 CIAT 8130            | 5602  | 104            | 61           | 0.0          | 0.0          | 42.5           | 3.0          | 8.5          | 2.3             | 1.0           |
| 6 Suwan (1) 8131       | 5570  | 104            | 61           | 2.4          | 0.0          | 42.8           | 2.5          | 9.7          | 1.5             | 1.0           |
| 7 Ilonga 8032          | 5538  | 103            | 69           | 3.6          | 0.0          | 42.3           | 3.0          | 3.9          | 1.3             | 0.9           |
| 3 Comayagua 8130       | 5378  | 100            | 61           | 0.0          | 0.0          | 44.0           | 3.0          | 3.7          | 2.8             | 1.0           |
| 12 Pirsabak (1) 7930RE | 4738  | 88             | 61           | 1.2          | 0.0          | 43.8           | 3.5          | 6.0          | 2.8             | 0.9           |
| 4 La Molina 8131       | 4610  | 86             | 61           | 0.6          | 0.0          | 42.3           | 3.0          | 7.3          | 4.0             | 0.9           |
| MEANS                  | 5656  | 105            | 64           | 0.9          | 0.0          | 42.4           | 3.0          | 6.2          | 2.1             | 1.0           |
| MAXIMUM                | 6531  | 121            | 69           | 3.6          | 0.6          | 44.5           | 3.5          | 9.7          | 4.0             | 1.0           |
| MINIMUM                | 4610  | 86             | 60           | 0.0          | 0.0          | 38.5           | 2.5          | 3.7          | 1.3             | 0.9           |
| CHECKS (TESTIGOS):     |       |                |              |              |              |                |              |              |                 |               |
| 13 TIHAMA-1            | 5378  | -              | 69           | 3.4          | 0.0          | 44.0           | 3.0          | 9.4          | 2.0             | 0.9           |
| 14 ZABID LOCAL         | 4066  | -              | 61           | 0.6          | 1.3          | 38.0           | 4.0          | 26.4         | 5.0             | 1.1           |
| CHECK MEANS            | 4722  | -              | 65           | 2.0          | 0.6          | 41.0           | 3.5          | 17.9         | 3.5             | 1.0           |
| 5% LSD                 | 993.7 |                | 0.8          |              |              | 3.1            |              |              |                 |               |
| C.V.                   | 12.6  |                | 0.9          |              |              | 5.2            |              |              |                 |               |

TABLE: 93-EV-84

EVT188      YEAR 1984      LIBERIA      CARI  
 CO-OPERATOR: DANIEL B. KUYEMBEH, C.A.R.I.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | CAYS<br>SILK | PLNT<br>HT | EAR<br>HT | SASAKII | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | HELM | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|---------|--------------|--------------|-------------|------|----------------|---------------|--------------|-----------------|------------|
| 9 Rattray-Arnd(1) 8149 | 1861  | 140            | 66           | 107        | 34        | 3.5     | 1.5          | 2.3          | 6.4         | 1.3  | 32.0           | 2.3           | 3.2          | 1.3             | 21.1       |
| 2 CIAT 8130            | 1527  | 115            | 66           | 123        | 43        | 10.2    | 13.4         | 11.9         | 6.9         | 2.5  | 29.0           | 3.3           | 11.3         | 2.5             | 18.9       |
| 10 Across 8149         | 1507  | 113            | 66           | 108        | 39        | 11.4    | 3.9          | 2.0          | 10.6        | 2.0  | 26.3           | 2.5           | 4.8          | 1.5             | 21.1       |
| 7 Ilonga 8032          | 1490  | 112            | 67           | 125        | 44        | 10.1    | 6.5          | 1.7          | 9.5         | 2.0  | 24.3           | 2.8           | 10.4         | 2.8             | 21.8       |
| 5 Islamabad (1) 8131   | 1415  | 106            | 61           | 117        | 42        | 13.9    | 15.7         | 11.6         | 11.7        | 2.3  | 26.0           | 3.3           | 12.3         | 2.8             | 18.5       |
| 12 Pirsabak (1) 7930RE | 1412  | 106            | 62           | 115        | 38        | 11.6    | 12.0         | 1.5          | 13.0        | 1.3  | 27.3           | 2.3           | 12.8         | 3.3             | 17.8       |
| 1 Poza Rica 8126       | 1372  | 103            | 67           | 112        | 39        | 9.9     | 4.1          | 18.8         | 7.0         | 1.3  | 25.5           | 3.0           | 11.0         | 3.0             | 19.6       |
| 6 Suwan (1) 8131       | 1369  | 103            | 63           | 116        | 39        | 16.6    | 16.1         | 5.1          | 14.2        | 2.0  | 25.8           | 2.5           | 11.8         | 1.8             | 18.4       |
| 3 Comayagua 8130       | 1352  | 102            | 65           | 126        | 42        | 15.5    | 5.6          | 2.3          | 13.8        | 3.0  | 23.8           | 3.3           | 9.4          | 2.3             | 19.8       |
| 11 Across 7726RE       | 1259  | 95             | 69           | 126        | 45        | 9.0     | 7.9          | 0.0          | 6.7         | 1.8  | 22.5           | 2.5           | 11.7         | 2.5             | 21.0       |
| 8 Across 8035          | 1060  | 80             | 68           | 116        | 37        | 9.6     | 12.4         | 14.0         | 12.0        | 1.3  | 24.3           | 3.0           | 10.2         | 2.8             | 20.8       |
| 4 La Molina 8131       | 1049  | 79             | 63           | 116        | 39        | 17.5    | 11.1         | 7.6          | 16.2        | 2.0  | 21.5           | 2.5           | 12.5         | 2.8             | 18.5       |
| MEANS                  | 1389  | 105            | 65           | 117        | 40        | 11.6    | 9.2          | 6.6          | 10.7        | 1.9  | 25.7           | 2.8           | 10.1         | 2.4             | 19.8       |
| MAXIMUM                | 1961  | 140            | 69           | 126        | 45        | 17.5    | 16.1         | 18.8         | 16.2        | 3.0  | 32.0           | 3.3           | 12.8         | 3.3             | 21.8       |
| MINIMUM                | 1049  | 79             | 61           | 102        | 34        | 3.5     | 1.5          | 0.0          | 6.4         | 1.3  | 21.5           | 2.3           | 3.2          | 1.3             | 17.8       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |         |              |              |             |      |                |               |              |                 |            |
| 14 CARI III            | 1329  | -              | 66           | 143        | 53        | 2.6     | 1.6          | 8.3          | 9.8         | 1.5  | 15.5           | 2.5           | 23.1         | 2.8             | 22.1       |
| 13 CARI II             | 1216  | -              | 82           | 163        | 68        | 3.7     | 15.2         | 1.1          | 0.0         | 1.5  | 16.0           | 1.8           | 10.7         | 3.8             | 21.0       |
| CHECK MEANS            | 1274  | -              | 73           | 152        | 60        | 3.1     | 8.4          | 4.7          | 4.9         | 1.5  | 15.8           | 2.1           | 16.9         | 3.3             | 21.5       |
| 5% LSD                 | 833.2 |                | 5.1          | 21.6       | 15.2      |         |              |              |             |      | 9.3            |               |              |                 |            |
| C.V.                   | 42.4  |                | 5.3          | 12.4       | 24.8      |         |              |              |             |      | 26.8           |               |              |                 |            |

TABLE: 94-EV-84

EVT188 YEAR 1984 MALAWI NGABU

CO-OPERATOR: MAIZE BREEDING PROGRAM, W.G.NHLANE

| ENTRY NO./PEDIGREE     | KG/HA  | %REST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LJGG | ROOT<br>LJGG | %EAR<br>RCT | PUCG<br>PGLY | HELM<br>TURC | PLANTS<br>HARV | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|--------------|----------------|--------------|-----------------|---------------|------------|
| 1 Poza Rica 8126       | 6293   | 110            | 53           | 196        | 95        | 0.0          | 19.0         | 0.8         | 1.0          | 1.3          | 41.3           | 4.9          | 2.8             | 1.3           | 22.1       |
| 9 Rattray-Arnd(1) 8149 | 6276   | 110            | 52           | 166        | 81        | 1.1          | 12.4         | 0.0         | 1.0          | 1.0          | 41.5           | 11.2         | 1.8             | 1.0           | 23.4       |
| 10 Across 8149         | 6179   | 108            | 53           | 174        | 80        | 1.2          | 18.3         | 0.6         | 1.0          | 1.5          | 42.3           | 14.4         | 2.3             | 1.1           | 23.4       |
| 7 Ilonga 8032          | 5822   | 102            | 54           | 210        | 109       | 1.9          | 9.4          | 0.0         | 1.0          | 1.8          | 40.8           | 8.1          | 2.3             | 1.1           | 24.0       |
| 3 Comayagua 8130       | 5685   | 100            | 51           | 198        | 97        | 3.0          | 14.8         | 1.0         | 1.0          | 1.5          | 42.8           | 5.6          | 2.5             | 1.1           | 20.6       |
| 2 CIAT 8130            | 5496   | 96             | 51           | 210        | 108       | 2.6          | 25.6         | 1.0         | 1.3          | 1.3          | 39.3           | 6.7          | 2.0             | 1.0           | 21.4       |
| 6 Suwan (1) 8131       | 5431   | 95             | 49           | 198        | 94        | 11.9         | 36.6         | 0.6         | 1.5          | 2.0          | 38.3           | 9.1          | 1.8             | 1.1           | 20.6       |
| 4 La Molina 8131       | 5417   | 95             | 48           | 180        | 85        | 1.2          | 9.9          | 0.0         | 1.8          | 1.0          | 42.0           | 17.7         | 2.8             | 1.0           | 20.6       |
| 11 Across 7726RE       | 5034   | 88             | 54           | 213        | 107       | 3.9          | 26.0         | 0.0         | 1.0          | 1.0          | 37.8           | 13.5         | 3.5             | 1.1           | 23.0       |
| 5 Islamabad (1) 8131   | 4835   | 95             | 49           | 194        | 93        | 1.3          | 19.1         | 1.4         | 1.3          | 1.3          | 36.0           | 11.7         | 2.5             | 1.1           | 20.9       |
| 8 Across 8035          | 4698   | 82             | 52           | 200        | 91        | 5.6          | 13.5         | 1.2         | 1.0          | 1.3          | 40.5           | 10.0         | 3.0             | 1.0           | 22.1       |
| 12 Pirsabak (1) 7930RE | 3816   | 67             | 50           | 190        | 95        | 2.5          | 6.2          | 0.0         | 1.8          | 1.8          | 37.8           | 7.1          | 3.3             | 0.9           | 20.5       |
| MEANS                  | 5415   | 95             | 51           | 194        | 95        | 3.1          | 17.6         | 0.5         | 1.2          | 1.4          | 40.0           | 10.0         | 2.5             | 1.1           | 21.9       |
| MAXIMUM                | 6293   | 110            | 54           | 213        | 109       | 11.9         | 36.6         | 1.4         | 1.8          | 2.0          | 42.8           | 17.7         | 3.5             | 1.3           | 24.0       |
| MINIMUM                | 3816   | 67             | 48           | 166        | 80        | 0.0          | 6.2          | 0.0         | 1.0          | 1.0          | 36.0           | 4.9          | 1.8             | 0.9           | 20.5       |
| CHECKS (TESTIGGS):     |        |                |              |            |           |              |              |             |              |              |                |              |                 |               |            |
| 13 CCA C3              | 5702   | -              | 68           | 268        | 158       | 5.7          | 6.8          | 1.3         | 1.8          | 2.3          | 39.3           | 6.0          | 4.0             | 1.0           | 27.1       |
| 14 CCC C0              | 5622   | -              | 58           | 220        | 116       | 5.0          | 21.6         | 0.0         | 1.0          | 1.0          | 39.5           | 11.1         | 1.8             | 1.0           | 24.6       |
| CHECK MEANS            | 5662   | -              | 63           | 244        | 136       | 5.4          | 14.2         | 0.6         | 1.4          | 1.6          | 39.4           | 8.6          | 2.9             | 1.0           | 25.9       |
| 5% LSD                 | 1029.2 |                | 2.2          | 13.9       | 10.9      |              |              |             |              |              | 4.3            |              |                 |               | 1.2        |
| C.V.                   | 13.2   |                | 3.0          | 4.8        | 7.5       |              |              |             |              |              | 7.6            |              |                 |               | 3.8        |



TABLE: 95-EV-84

EVT188      YEAR 1984      MALAWI      CHITALA  
 CO-OPERATOR: NATIONAL MAIZE BREEDING PROGRAM W.G. NHLANE

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>MT | EAR<br>MT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | HCIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 7 Ilonga 8032          | 5611   | 87             | 60           | 201        | 72        | 5.4          | 6.1          | 0.6         | 42.3           | 3.0           | 4.4          | 3.5             | 1.1           | 14.1       |
| 10 Across 8149         | 5346   | 83             | 57           | 178        | 55        | 1.2          | 6.5          | 0.0         | 42.0           | 3.0           | 15.9         | 3.0             | 1.0           | 12.8       |
| 9 Rattray-Arnd(1) 8149 | 4774   | 74             | 56           | 171        | 55        | 7.4          | 9.3          | 0.0         | 41.0           | 3.5           | 9.6          | 4.0             | 1.0           | 13.4       |
| 11 Across 7726RE       | 4704   | 73             | 56           | 200        | 73        | 10.5         | 5.9          | 1.4         | 39.3           | 3.0           | 23.8         | 2.8             | 1.0           | 13.5       |
| 2 CIAT 8130            | 4170   | 65             | 55           | 192        | 72        | 17.3         | 12.3         | 0.0         | 38.5           | 4.0           | 13.4         | 4.0             | 1.0           | 12.2       |
| 3 Comayagua 8130       | 4046   | 63             | 53           | 200        | 72        | 11.2         | 17.0         | 0.0         | 40.0           | 3.8           | 5.2          | 3.8             | 1.0           | 12.7       |
| 4 La Molina 8131       | 3969   | 62             | 55           | 175        | 56        | 7.0          | 16.1         | 0.0         | 39.5           | 3.0           | 16.0         | 3.5             | 0.9           | 12.8       |
| 1 Poza Rica 8126       | 3789   | 59             | 55           | 183        | 64        | 12.0         | 12.6         | 0.0         | 39.8           | 3.0           | 11.1         | 3.8             | 1.0           | 13.4       |
| 8 Across 8035          | 3740   | 58             | 57           | 190        | 63        | 3.3          | 18.0         | 1.7         | 38.8           | 3.5           | 16.6         | 3.8             | 0.9           | 13.0       |
| 12 Pirsabak (1) 7930RE | 3699   | 58             | 55           | 171        | 57        | 8.9          | 8.5          | 0.0         | 37.5           | 3.8           | 12.2         | 4.5             | 1.0           | 12.5       |
| 5 Islamabad (1) 8131   | 3649   | 57             | 55           | 178        | 60        | 24.7         | 20.2         | 0.0         | 34.5           | 3.3           | 20.2         | 4.3             | 0.9           | 12.4       |
| 6 Suman (1) 8131       | 3126   | 49             | 55           | 172        | 55        | 14.3         | 18.1         | 0.0         | 37.5           | 4.0           | 10.8         | 4.3             | 0.9           | 12.8       |
| MEANS                  | 4219   | 66             | 56           | 184        | 63        | 10.3         | 12.5         | 0.3         | 39.2           | 3.4           | 13.3         | 3.8             | 1.0           | 13.0       |
| MAXIMUM                | 5611   | 87             | 60           | 201        | 73        | 24.7         | 20.2         | 1.7         | 42.3           | 4.0           | 23.8         | 4.5             | 1.1           | 14.1       |
| MINIMUM                | 3126   | 49             | 53           | 171        | 55        | 1.2          | 5.9          | 0.0         | 34.5           | 3.0           | 4.4          | 2.8             | 0.9           | 12.2       |
| CHECKS (TESTIGDS):     |        |                |              |            |           |              |              |             |                |               |              |                 |               |            |
| 13 CCA C3              | 6415   | -              | 58           | 286        | 128       | 0.6          | 5.3          | 0.0         | 43.0           | 3.3           | 7.9          | 3.0             | 0.9           | 18.6       |
| 14 CCC C0              | 3427   | -              | 60           | 193        | 60        | 8.2          | 8.2          | 0.8         | 32.3           | 3.8           | 9.9          | 4.3             | 0.9           | 14.6       |
| CHECK MEANS            | 4921   | -              | 59           | 239        | 93        | 4.4          | 6.7          | 0.4         | 37.6           | 3.5           | 8.9          | 3.6             | 0.9           | 16.6       |
| 5% LSD                 | 1409.9 |                | 1.8          | 19.4       | 11.2      |              |              |             | 4.6            |               |              |                 |               | 1.1        |
| C.V.                   | 22.8   |                | 2.3          | 7.1        | 11.6      |              |              |             | 8.2            |               |              |                 |               | 5.8        |

TABLE: 96-EV-84

EVT188 YEAR 1984 MALAWI SAKA  
CO-OPERATOR: NATIONAL MAIZE PROGRAM, W.G. NYLANE.

| ENTRY NO./PEDIGREE     | KG/HA  | VEGET<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOGS | ROOT<br>LOGS | %EAR<br>RCT | LEAF<br>DIS. | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | INSECT<br>DAMAGE | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|--------------|--------------|------------------|-----------------|------------|
| 7 Ilonga 8032          | 5593   | 129            | 46           | 189        | 96        | 10.5         | 12.3         | 3.5         | 3.0          | 41.0           | 2.5          | 4.7          | 0.0              | 2.3             | 26.0       |
| 9 Rattray-Arnd(1) 8149 | 6456   | 129            | 48           | 159        | 71        | 7.4          | 2.9          | 3.0         | 3.0          | 43.8           | 2.3          | 6.3          | 0.0              | 1.5             | 24.5       |
| 1 Poza Rica 8126       | 6191   | 122            | 52           | 192        | 90        | 13.8         | 21.1         | 7.0         | 3.0          | 43.5           | 2.5          | 4.3          | 1.0              | 2.0             | 23.7       |
| 10 Across 8146         | 5211   | 117            | 48           | 147        | 60        | 8.7          | 3.5          | 12.7        | 3.5          | 42.8           | 2.5          | 4.8          | 0.0              | 2.5             | 25.0       |
| 2 CIAT 8130            | 5016   | 95             | 47           | 195        | 96        | 11.1         | 15.2         | 4.4         | 2.8          | 41.3           | 2.0          | 4.4          | 0.0              | 2.5             | 22.8       |
| 11 Across 7724RE       | 4912   | 97             | 52           | 165        | 79        | 10.5         | 12.5         | 9.7         | 3.0          | 43.5           | 2.8          | 6.0          | 0.3              | 2.5             | 24.9       |
| 4 La Molina 8131       | 4857   | 96             | 46           | 179        | 81        | 8.0          | 26.0         | 6.2         | 3.3          | 41.8           | 2.3          | 6.4          | 0.0              | 2.5             | 22.0       |
| 3 Comayagua 8130       | 4724   | 93             | 47           | 175        | 79        | 7.7          | 22.2         | 5.7         | 2.5          | 36.8           | 2.8          | 4.7          | 0.0              | 2.5             | 22.1       |
| 5 Islamabad (1) 8131   | 4309   | 89             | 44           | 174        | 77        | 19.2         | 15.3         | 7.9         | 3.3          | 40.5           | 2.3          | 6.6          | 0.0              | 2.5             | 23.5       |
| 6 Suwan (1) 8131       | 4342   | 84             | 46           | 166        | 72        | 8.2          | 20.2         | 5.1         | 3.0          | 39.5           | 2.3          | 6.0          | 0.0              | 2.0             | 23.8       |
| 8 Across 8035          | 3946   | 79             | 52           | 156        | 73        | 3.2          | 3.7          | 3.1         | 2.5          | 39.3           | 2.3          | 7.2          | 0.0              | 2.3             | 24.6       |
| 12 Pirsabek (1) 7930FE | 3549   | 76             | 45           | 161        | 70        | 9.6          | 6.0          | 0.7         | 2.8          | 42.0           | 2.5          | 5.6          | 0.3              | 2.0             | 22.5       |
| MEANS                  | 5052   | 100            | 48           | 173        | 79        | 9.9          | 12.9         | 5.7         | 3.0          | 41.3           | 2.4          | 5.6          | 0.1              | 2.3             | 23.8       |
| MAXIMUM                | 6509   | 128            | 52           | 198        | 96        | 19.2         | 22.2         | 12.7        | 3.5          | 43.8           | 2.8          | 7.2          | 1.0              | 2.5             | 26.0       |
| MINIMUM                | 3949   | 76             | 45           | 147        | 60        | 3.2          | 2.9          | 0.7         | 2.5          | 36.8           | 2.0          | 4.3          | 0.0              | 1.5             | 22.0       |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |              |             |              |                |              |              |                  |                 |            |
| 13 CCAC3               | 5069   | -              | 42           | 243        | 155       | 3.0          | 9.8          | 2.1         | 2.5          | 40.0           | 2.3          | 7.1          | 2.3              | 2.3             | 21.0       |
| 14 CCCCC               | 3397   | -              | 48           | 152        | 75        | 9.8          | 19.4         | 2.9         | 3.3          | 17.8           | 2.0          | 17.1         | 0.5              | 2.5             | 28.4       |
| CHECK MEANS            | 4321   | -              | 54           | 200        | 115       | 6.4          | 24.7         | 2.5         | 2.9          | 28.9           | 2.1          | 12.1         | 1.4              | 2.4             | 24.7       |
| % LSC                  | 1974.0 |                | 0.2          | 34.3       | 22.3      |              |              |             |              | 8.2            |              |              |                  |                 |            |
| C.V.                   | 23.2   |                | 0.3          | 13.6       | 18.6      |              |              |             |              | 14.6           |              |              |                  |                 |            |

TABLE: 97-EV-84

EVT188 YEAR 1984 REP. S.AFRICA POTCHEFSTROOM  
 CO-OPERATOR: DR. A.P. FOURIE, GRAIN CROPS RES. INS.

| ENTRY NO./PEDIGREE     | KG/HA  | %REST<br>CHECK | %ROOT<br>LOADS | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MCIST<br>% |
|------------------------|--------|----------------|----------------|-------------|----------------|---------------|------------|
| 6 Suwan (1) 8131       | 5045   | 110            | 32.9           | 4.6         | 37.3           | 1.1           | 10.0       |
| 4 La Molina 8131       | 4834   | 107            | 30.4           | 9.0         | 37.5           | 1.0           | 10.0       |
| 9 Rattray-Arnd(1) 8149 | 4711   | 103            | 35.0           | 4.7         | 36.5           | 1.1           | 10.6       |
| 5 Islamabad (1) 8131   | 4534   | 100            | 33.4           | 8.7         | 37.8           | 1.0           | 10.4       |
| 12 Pirsabak (1) 793CRE | 4135   | 90             | 32.9           | 4.4         | 37.5           | 1.0           | 10.4       |
| 10 Across 8149         | 4057   | 98             | 49.3           | 6.2         | 37.5           | 1.1           | 10.2       |
| 7 Ilonga 8032          | 3314   | 93             | 27.9           | 6.9         | 37.5           | 1.0           | 11.2       |
| 2 CIAT 8130            | 3762   | 82             | 29.7           | 6.9         | 36.8           | 0.9           | 9.8        |
| 1 Poza Rica 8126       | 3614   | 79             | 35.9           | 13.9        | 35.0           | 1.0           | 10.0       |
| 8 Across 8035          | 3393   | 74             | 45.4           | 8.0         | 36.5           | 0.9           | 10.2       |
| 3 Comayagua 8130       | 3343   | 72             | 21.1           | 1.5         | 26.0           | 1.0           | 10.2       |
| 11 Across 7726RE       | 2976   | 65             | 19.7           | 6.6         | 37.8           | 0.9           | 9.6        |
| MEANS                  | 4027   | 80             | 33.8           | 6.8         | 37.0           | 1.0           | 10.2       |
| MAXIMUM                | 5045   | 110            | 49.3           | 13.9        | 37.9           | 1.1           | 11.2       |
| MINIMUM                | 2976   | 65             | 19.7           | 1.5         | 35.0           | 0.9           | 9.6        |
| CHECKS (TESTIGOS):     |        |                |                |             |                |               |            |
| 13 TX-9                | 4524   | -              | 29.6           | 10.7        | 36.5           | 0.9           | 10.4       |
| 14 TX-24               | 4527   | -              | 28.6           | 7.1         | 39.0           | 0.9           | 10.8       |
| CHECK MEANS            | 4555   | -              | 27.6           | 8.9         | 37.8           | 0.9           | 10.6       |
| 5% LSD                 | 1396.2 |                |                |             | 3.3            |               |            |
| C.V.                   | 23.8   |                |                |             | 6.3            |               |            |

TABLE: '98-EV-84

EVT188      YEAR 1984      REUNION      PETITE FRANCE

CO-OPERATOR: E. MAINZELIN, IRAT

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PUCC | HELM | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|------|------|----------------|---------------|-----------------|---------------|------------|
| 7 Ilonga 8032          | 2096  | 85             | 112          | 123        | 51        | 0.6          | 0.6          | 5.3         | 2.8  | 2.3  | 36.5           | 2.3           | 3.3             | 0.8           | 35.6       |
| 9 Rattray-Arnd(1) 8149 | 2051  | 83             | 109          | 105        | 40        | 0.6          | 0.0          | 8.0         | 2.5  | 2.0  | 39.3           | 2.3           | 3.3             | 0.9           | 35.8       |
| 2 CIAT 8130            | 1916  | 77             | 103          | 105        | 43        | 19.5         | 2.0          | 2.0         | 3.8  | 3.0  | 38.3           | 2.5           | 3.5             | 0.9           | 25.9       |
| 10 Across 8149         | 1711  | 69             | 109          | 99         | 33        | 0.7          | 0.0          | 13.1        | 2.3  | 2.5  | 37.8           | 2.5           | 3.8             | 0.8           | 33.0       |
| 3 Comayagua 8130       | 1636  | 66             | 102          | 103        | 44        | 8.3          | 3.8          | 2.0         | 4.3  | 3.0  | 37.5           | 3.0           | 3.3             | 0.9           | 25.1       |
| 4 La Molina 8131       | 1635  | 66             | 98           | 100        | 41        | 24.5         | 3.4          | 8.5         | 4.8  | 3.0  | 36.0           | 3.0           | 3.8             | 0.9           | 24.7       |
| 6 Suman (1) 8131       | 1567  | 63             | 99           | 98         | 36        | 10.5         | 2.6          | 2.5         | 4.0  | 3.0  | 37.5           | 2.8           | 4.3             | 0.8           | 26.0       |
| 12 Pirsabak (1) 7930RE | 1480  | 60             | 100          | 98         | 36        | 16.7         | 2.8          | 7.4         | 3.8  | 3.3  | 37.5           | 2.8           | 2.8             | 0.9           | 24.4       |
| 1 Poza Rica 8126       | 1479  | 60             | 108          | 110        | 45        | 6.3          | 2.5          | 16.7        | 3.3  | 2.8  | 39.3           | 3.0           | 3.3             | 0.8           | 31.3       |
| 5 Islamabad (1) 8131   | 1418  | 57             | 99           | 88         | 33        | 13.3         | 3.6          | 9.8         | 4.3  | 2.5  | 40.0           | 3.0           | 3.8             | 0.8           | 24.0       |
| 8 Across 8035          | 1266  | 51             | 108          | 113        | 44        | 18.0         | 0.6          | 7.6         | 4.0  | 3.5  | 39.0           | 3.3           | 3.0             | 0.8           | 26.0       |
| 11 Across 7726RE       | 1091  | 44             | 112          | 115        | 45        | 13.3         | 2.2          | 19.3        | 3.8  | 3.5  | 38.5           | 2.8           | 3.0             | 0.7           | 31.4       |
| MEANS                  | 1612  | 65             | 105          | 105        | 41        | 11.0         | 2.0          | 8.5         | 3.6  | 2.9  | 38.1           | 2.8           | 3.4             | 0.8           | 28.6       |
| MAXIMUM                | 2096  | 85             | 112          | 123        | 51        | 24.5         | 3.8          | 19.3        | 4.8  | 3.5  | 40.0           | 3.3           | 4.3             | 0.9           | 35.8       |
| MINIMUM                | 1091  | 44             | 98           | 88         | 33        | 0.6          | 0.0          | 2.0         | 2.3  | 2.0  | 36.0           | 2.3           | 2.8             | 0.7           | 24.0       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |      |      |                |               |                 |               |            |
| 14 IRAT 143            | 2473  | -              | 100          | 143        | 61        | 17.8         | 5.8          | 7.3         | 3.3  | 3.5  | 31.0           | 2.3           | 2.5             | 0.9           | 26.0       |
| 13 TOCUMEN (1) 7931    | 1019  | -              | 100          | 88         | 34        | 12.6         | 4.0          | 11.6        | 3.8  | 3.0  | 31.5           | 3.0           | 4.8             | 0.7           | 23.3       |
| CHECK MEANS            | 1746  | -              | 99           | 115        | 47        | 15.2         | 4.9          | 9.5         | 3.5  | 3.3  | 31.3           | 2.6           | 3.6             | 0.8           | 24.7       |
| 5% LSD                 | 754.9 |                | 3.9          | 17.5       | 11.0      |              |              |             |      |      | 5.2            |               |                 |               |            |
| C.V.                   | 32.4  |                | 2.6          | 11.6       | 18.4      |              |              |             |      |      | 9.8            |               |                 |               |            |

TABLE: 99-EV-84

EVT188 YEAR 1984 REUNION COLIMACONS  
 CO-OPERATOR: E. HAINZELIN, IRAT, CIRAD

| ENTRY NO./PEDIGREE     | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PUCC | HELM | PLANTS<br>HARV | EAR<br>ASPCT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|------|------|----------------|--------------|---------------|------------|
| 9 Rattray-Arnd(1) 8149 | 4268   | 150            | 77           | 180        | 95        | 7.1          | 6.7          | 0.6         | 1.8  | 2.0  | 37.3           | 1.8          | 0.9           | 38.6       |
| 10 Across 8149         | 4018   | 141            | 82           | 183        | 88        | 1.9          | 3.8          | 9.2         | 1.5  | 2.3  | 34.5           | 1.8          | 0.9           | 36.6       |
| 6 Swan (1) 8131        | 3972   | 139            | 75           | 183        | 98        | 8.3          | 13.4         | 2.1         | 1.5  | 2.0  | 37.5           | 2.3          | 0.9           | 29.6       |
| 3 Comayagua 8130       | 3728   | 131            | 75           | 180        | 88        | 10.4         | 18.6         | 3.2         | 1.5  | 1.8  | 37.0           | 1.5          | 0.9           | 32.8       |
| 2 CIAT 8130            | 3621   | 127            | 77           | 190        | 100       | 13.5         | 21.0         | 8.6         | 2.0  | 1.8  | 33.5           | 2.0          | 0.8           | 32.8       |
| 7 Ilonga 8032          | 3367   | 118            | 81           | 210        | 103       | 7.9          | 13.3         | 10.1        | 1.3  | 1.0  | 37.8           | 2.0          | 0.7           | 39.6       |
| 12 Pirsabak (1) 7930RE | 3201   | 112            | 75           | 188        | 100       | 7.3          | 12.2         | 3.6         | 3.0  | 3.0  | 34.0           | 2.3          | 0.9           | 30.8       |
| 1 Poza Rica 8126       | 3100   | 109            | 80           | 193        | 88        | 11.4         | 14.9         | 7.7         | 1.8  | 2.0  | 32.0           | 2.3          | 0.8           | 37.0       |
| 11 Across 7726RE       | 3069   | 108            | 81           | 203        | 108       | 8.6          | 17.4         | 5.5         | 3.3  | 3.3  | 34.8           | 2.5          | 0.7           | 34.6       |
| 4 La Molina 8131       | 3034   | 106            | 75           | 175        | 95        | 14.2         | 19.8         | 4.5         | 1.3  | 2.3  | 33.0           | 2.5          | 0.8           | 30.6       |
| 8 Across 8035          | 2950   | 103            | 78           | 193        | 95        | 7.6          | 14.0         | 2.7         | 3.8  | 2.8  | 39.3           | 2.8          | 0.7           | 30.6       |
| 5 Islamabad (1) 8131   | 2367   | 83             | 75           | 170        | 78        | 18.6         | 11.2         | 23.9        | 2.3  | 2.3  | 29.8           | 2.8          | 0.7           | 25.6       |
| MEANS                  | 3391   | 119            | 78           | 187        | 94        | 9.7          | 13.9         | 6.8         | 2.1  | 2.2  | 35.0           | 2.2          | 0.8           | 33.3       |
| MAXIMUM                | 4268   | 150            | 82           | 210        | 108       | 18.6         | 21.0         | 23.9        | 3.8  | 3.3  | 39.3           | 2.8          | 0.9           | 39.6       |
| MINIMUM                | 2367   | 83             | 75           | 170        | 78        | 1.9          | 3.8          | 0.6         | 1.3  | 1.0  | 29.8           | 1.5          | 0.7           | 25.6       |
| CHECKS (TESTIGOS):     |        |                |              |            |           |              |              |             |      |      |                |              |               |            |
| 13 TOCUMEN (1) 7931    | 2852   | -              | 75           | 198        | 105       | 11.2         | 21.9         | 11.5        | 3.3  | 3.0  | 34.3           | 2.8          | 0.8           | 29.6       |
| 14 IRAT 143            | 2334   | -              | 75           | 200        | 108       | 12.2         | 18.9         | 37.3        | 2.3  | 2.5  | 23.8           | 2.5          | 0.7           | 31.8       |
| CHECK MEANS            | 2593   | -              | 75           | 198        | 106       | 11.7         | 20.4         | 24.4        | 2.8  | 2.8  | 29.0           | 2.6          | 0.7           | 30.7       |
| 5% LSD                 | 1037.6 |                | 2.8          | 38.0       | 23.3      |              |              |             |      |      | 9.6            |              |               |            |
| C.V.                   | 22.1   |                | 2.6          | 14.1       | 16.9      |              |              |             |      |      | 19.6           |              |               |            |

TABLE: 100-EV-84

EVT183 YEAR 1984 VIETNAM HO-CHI-MINH CITY  
CO-OPERATOR: VO DINH LONG, PHAN THUNG TRINH

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | CORTICIUM<br>SASAKII | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------------|----------------|---------------|--------------|-----------------|---------------|------------|
| 6 Suwan (1) 8131       | 2449  | 107            | 44           | 169        | 78        | 15.6         | 1.5          | 9.8         | 4.5                  | 34.5           | 3.5           | 3.2          | 3.8             | 0.8           | 32.3       |
| 3 Comaygua 8130        | 2417  | 106            | 44           | 179        | 90        | 19.5         | 1.0          | 11.1        | 4.0                  | 30.8           | 3.5           | 1.8          | 3.8             | 0.9           | 32.3       |
| 9 Rattray-Arrd(1) 8149 | 2196  | 96             | 46           | 145        | 55        | 8.0          | 3.0          | 5.8         | 3.8                  | 42.3           | 3.3           | 2.5          | 3.5             | 0.8           | 35.8       |
| 4 La Molina 8131       | 2112  | 93             | 44           | 145        | 65        | 56.7         | 8.5          | 14.3        | 4.0                  | 30.0           | 2.8           | 3.7          | 3.3             | 0.8           | 32.0       |
| 2 CIAT 8130            | 2090  | 91             | 44           | 175        | 78        | 29.2         | 2.7          | 1.6         | 3.3                  | 30.0           | 4.3           | 8.2          | 3.3             | 0.8           | 34.3       |
| 5 Islamabad (1) 8131   | 2053  | 90             | 44           | 155        | 58        | 54.2         | 7.3          | 2.9         | 5.0                  | 26.0           | 2.0           | 3.4          | 3.8             | 1.1           | 32.1       |
| 10 Across 8149         | 1956  | 86             | 47           | 140        | 58        | 16.8         | 1.5          | 10.6        | 3.8                  | 37.3           | 3.0           | 5.0          | 3.3             | 0.7           | 36.3       |
| 12 Pirsebak (1) 7930RE | 1917  | 80             | 47           | 145        | 52        | 34.6         | 0.0          | 7.7         | 4.3                  | 39.0           | 2.0           | 2.8          | 3.8             | 0.6           | 31.5       |
| 1 Poza Rica 8126       | 1712  | 75             | 46           | 165        | 75        | 57.9         | 5.2          | 6.7         | 3.8                  | 29.8           | 3.8           | 0.0          | 3.3             | 0.8           | 34.7       |
| 7 Ilonga 8032          | 1689  | 74             | 46           | 160        | 78        | 19.6         | 3.3          | 5.5         | 4.0                  | 38.3           | 2.5           | 7.7          | 3.8             | 0.8           | 37.6       |
| 8 Across 8035          | 1579  | 69             | 46           | 145        | 59        | 60.1         | 4.5          | 11.6        | 4.0                  | 32.3           | 2.5           | 5.7          | 4.0             | 0.7           | 35.7       |
| 11 Across 7726RE       | 1392  | 61             | 46           | 170        | 80        | 53.8         | 1.9          | 3.5         | 3.8                  | 33.3           | 2.8           | 4.5          | 3.5             | 0.7           | 35.7       |
| MEANS                  | 1954  | 86             | 45           | 158        | 69        | 35.4         | 3.4          | 7.6         | 4.0                  | 33.6           | 3.0           | 4.1          | 3.6             | 0.8           | 34.2       |
| MAXIMUM                | 2449  | 107            | 47           | 178        | 90        | 60.1         | 8.5          | 14.3        | 5.0                  | 42.3           | 4.3           | 8.2          | 4.0             | 1.1           | 37.6       |
| MINIMUM                | 1392  | 61             | 44           | 140        | 55        | 8.0          | 0.0          | 1.6         | 3.3                  | 26.0           | 2.0           | 0.0          | 3.3             | 0.6           | 31.5       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                      |                |               |              |                 |               |            |
| 13 EARLY THAI COMP.    | 2293  | -              | 46           | 205        | 105       | 35.8         | 9.1          | 4.2         | 2.5                  | 23.5           | 4.0           | 3.7          | 3.3             | 0.9           | 32.5       |
| 14 A1                  | 1796  | -              | 47           | 190        | 103       | 75.0         | 6.9          | 2.7         | 3.0                  | 29.3           | 3.5           | 6.7          | 2.5             | 0.8           | 36.5       |
| CHECK MEANS            | 2040  | -              | 46           | 197        | 103       | 55.4         | 8.0          | 3.5         | 2.8                  | 26.4           | 3.8           | 5.2          | 2.9             | 0.8           | 34.5       |
| 5% LSD                 | 915.9 |                | 0.0          | 21.6       | 15.2      |              |              |             |                      | 9.7            |               |              |                 |               | 2.6        |
| C.V.                   | 32.6  |                | 0.0          | 9.3        | 14.4      |              |              |             |                      | 20.8           |               |              |                 |               | 5.3        |

TABLE: 101-EV-84

TRIAL: ELVT188  
MEANS ACROSS 49 LOCATIONS

| ENTRY NO. AND NAME | PARENT POPULATION | REGION      |              |               |              |             |              | OVER ALL                        |              |        |
|--------------------|-------------------|-------------|--------------|---------------|--------------|-------------|--------------|---------------------------------|--------------|--------|
|                    |                   | I<br>KG./HA | II<br>KG./HA | III<br>KG./HA | IV<br>KG./HA | V<br>KG./HA | VI<br>KG./HA | ←-----MEAN-----→<br>DAYS FLOWER | PLANT<br>HT. | KG./HA |
| 9 Rattray-Arnd (1) | 8149              | 5538        | 5394         | 6531          | 3421         | 4761        | 4215         | 58                              | 154          | 4704   |
| 10 Across          | 8149              | 5164        | 5336         | 6329          | 3336         | 4420        | 3996         | 59                              | 153          | 4543   |
| 7 Ilonga           | 8032              | 5207        | 4865         | 5799          | 3337         | 4535        | 3792         | 61                              | 181          | 4354   |
| 1 Poza Rica        | 8126              | 5043        | 5148         | 6174          | 3101         | 4078        | 3888         | 59                              | 177          | 4341   |
| 11 Across          | 7726RE            | 5204        | 5101         | 5982          | 3006         | 3631        | 3528         | 60                              | 181          | 4210   |
| 6 Swan (1)         | 8131              | 4828        | 4859         | 6092          | 3158         | 3915        | 3749         | 54                              | 167          | 4194   |
| 2 CIAT             | 8130              | 5011        | 4833         | 5579          | 3111         | 3997        | 3730         | 56                              | 179          | 4180   |
| 4 La Molina        | 8131              | 4713        | 4640         | 5140          | 3135         | 3973        | 3730         | 54                              | 164          | 4070   |
| 8 Across           | 8035              | 5093        | 4848         | 6101          | 3034         | 3339        | 3314         | 59                              | 171          | 4060   |
| 3 Comayagua        | 8130              | 4539        | 4763         | 5378          | 2882         | 3860        | 3682         | 56                              | 176          | 4017   |
| 5 Islamabad (1)    | 9131              | 4593        | 4708         | 6137          | 3044         | 3560        | 3407         | 54                              | 167          | 4003   |
| 12 Pirsabak (1)    | 7930RE            | 4307        | 4355         | 4921          | 2904         | 3363        | 3235         | 55                              | 164          | 3723   |
| Mean               |                   | 4937        | 4904         | 5855          | 3122         | 3953        | 3687         | 57                              | 170          | 4200   |
| No of Locations    |                   | 5           | 17           | 2             | 13           | 6           | 6            | 46                              | 46           | 49     |

Region I= South America  
 II= North, Central America and the Caribbean  
 III= Mideast  
 IV= West Africa  
 V= East and South Africa  
 VI= Asia

**Addendum: 1983 Trial Results**  
**(Anexo: Resultados de ensayos, 1983)**

| <b>Trial<br/>(Ensayo)</b> | <b>Location<br/>(Localidad)</b>                              | <b>Table no.<br/>(Cuadro no.)</b> | <b>Page no.<br/>(Pág. no.)</b> |
|---------------------------|--|-----------------------------------|--------------------------------|
| IPTT 26                   | Brazil, Parana   | 92-P-83                           | 221                            |
| IPTT 36                   | Peru, Piura  | 93-P-83                           | 222                            |
| IPTT 62                   | Across locations (En todas las locs.)                        | 94-P-83                           | 223                            |
| EVT 12                    | Philippines, Baybay<br>Brazil, Parana (2)                    | 311-V-83<br>312-V-83              | 225<br>226                     |
| EVT 14A                   | Vietnam, Hanoi<br>Vietnam, Cam-thuy<br>Vietnam, Song-Boi (3) | 313-V-83<br>314-V-83<br>315-V-83  | 227<br>228<br>229              |
| EVT 14B                   | Philippines, Baybay  | 316-V-83                          | 230                            |
| EVT 15A                   | Vietnam, Song-Boi (3)  | 317-V-83                          | 231                            |
| EVT 15B                   | Mexico, Ciudad Obregon                                       | 318-V-83                          | 232                            |
| EVT 16A                   | Thailand, Suwan<br>Vietnam, To-Hieu                          | 319-V-83<br>320-V-83              | 233<br>234                     |
| EVT 16B                   | Thailand, Suwan  | 321-V-83                          | 235                            |
| ELVT 18A                  | Philippines, Ilagan<br>Brazil, Parana                        | 152-EV-83<br>153-EV-83            | 237<br>238                     |
| ELVT 18B                  | Philippines, Baybay<br>Philippines, Ilagan (3)               | 154-EV-83<br>155-EV-83            | 239<br>240                     |
| ELVT 20                   | Brazil, Cascavel<br>Brazil, Parana                           | 156-EV-83<br>157-EV-83            | 241<br>242                     |





TABLE: 92-P-83

POPULATION: MEZCLA AMARILLA

TRIAL: IPTT 26

LOCATION : PARANA

BRAZIL

EXP. VARIETY: PARANA 8326

SCO-OPERATOR:OCEPAR

| PROG<br>NO | KG/HA         | RANK | PLNT<br>HT  | EAR<br>HT  | EARS<br>HARV  |
|------------|---------------|------|-------------|------------|---------------|
| 39         | 4676          | 8    | 223         | 125        | 26.0          |
| 69         | 4726          | 4    | 225         | 115        | 22.5          |
| 76         | 4726          | 5    | 235         | 120        | 26.5          |
| 87         | 4726          | 6    | 220         | 110        | 24.5          |
| 97         | 4877          | 3    | 208         | 105        | 28.5          |
| 109        | 5028          | 2    | 235         | 125        | 28.0          |
| 138        | 4726          | 7    | 235         | 125        | 26.0          |
| 181        | 5128          | 1    | 203         | 115        | 26.0          |
| 188        | 4626          | 10   | 240         | 130        | 24.0          |
| 191        | 4575          | 11   | 220         | 115        | 25.0          |
| SEL MEAN   | 4781          | -    | 224         | 119        | 25.7          |
| POP MEAN   | 3523          | -    | 218         | 118        | 22.9          |
| POP RANGE  | 5128-<br>1609 | -    | 255-<br>173 | 145-<br>95 | 32.0-<br>14.0 |
| CHECK MEAN | 1952          | -    | 213         | 127        | 10.9          |
| BEST CHECK | 2262          | -    | 220         | 115        | 14.0          |
| C.V.       | 19.1          |      | 6.8         | 8.3        |               |
| 5% LSD     | 1324.9        |      | 29.2        | 19.2       |               |

BEST CHECK: COM. P. BAIXA FLIN

OTHER CHECKS: COM. P. BAIXA DEN., AZTECA PROLIFICO, PIRANAO VD-2, PIRANA

TABLE: 93-P-83

POPULATION: COGOLLERO

TRIAL: IPTT 36

LOCATION : PIURA

PERU

EXP. VARIETY: PIURA (1) 8336

ICO-OPERATOR: HUGO SANCHEZ. MARCO NEVADO PROGRAMA DE MAIZ

| PROG<br>NO | KG/HA         | RANK   | DAYS<br>SILK | PLNT<br>HT  | EAR<br>HT  | PLANTS<br>HARV | EARS/<br>PLNT |
|------------|---------------|--------|--------------|-------------|------------|----------------|---------------|
| 126        | 9112          | 1      | 67           | 213         | 121        | 21.1           | 1.0           |
| 76         | 8818          | 2      | 65           | 183         | 79         | 19.4           | 1.2           |
| 133        | 8803          | 3      | 68           | 218         | 112        | 19.0           | 1.2           |
| 103        | 7593          | 14     | 67           | 193         | 86         | 16.1           | 1.1           |
| 146        | 7262          | 20     | 67           | 210         | 106        | 19.6           | 1.1           |
| 204        | 7671          | 11     | 67           | 206         | 96         | 19.4           | 1.1           |
| 229        | 7425          | 16     | 65           | 198         | 113        | 18.6           | 1.2           |
| 17         | 6323          | 68     | 71           | 215         | 118        | 18.6           | 1.0           |
| 98         | 6850          | 36     | 67           | 206         | 101        | 19.8           | 0.9           |
| 65         | 5102          | 187    | 69           | 193         | 89         | 15.7           | 1.1           |
| SEL MEAN   | 7496          | -      | 67           | 203         | 102        | 18.7           | 1.1           |
| POP MEAN   | 5707          | -      | 67           | 186         | 89         | 16.2           | 1.1           |
| POP RANGE  | 9112-<br>2788 | -<br>- | 72-<br>63    | 227-<br>150 | 121-<br>57 | 21.7-<br>10.3  | 1.8-<br>0.9   |
| CHECK MEAN | 2797          | -      | 47           | 136         | 72         | 8.5            | 0.7           |
| BEST CHECK | 6021          | -      | 36           | 245         | 137        | 15.4           | 1.1           |
| C.V.       | 25.2          |        | 10.1         | 9.5         | 14.5       | 16.0           |               |
| % LSD      | 2836.0        |        | 13.2         | 34.7        | 25.4       | 5.1            |               |

BEST CHECK: PM-701

OTHER CHECKS: PIURA 81-23, PIURA 81-62, PIURA 81-63, PIURA 81-67, PIURA

TABLE: 94-P-83

POPULATION: POP.62(WHITE FL QPM)

TRIAL: IPTT 62

YEAR: 1983

EXP. VARIETY: ACROSS 8362

## COUNTRY-SITE CODES

|                   |                |
|-------------------|----------------|
| 20710 - MEXICO    | POZA RICA      |
| 105 1 - COLOMBIA  | PALMIRA        |
| 5 2 - PHILIPPINES | U.P. LOS BANOS |
| 612 2 - GUINEA    | KINDIA         |

| PROG       | KG/HA |       |      |       |      | DAYS TO SILK |       |     |       |      | PLANT HEIGHT |       |     |       |      |
|------------|-------|-------|------|-------|------|--------------|-------|-----|-------|------|--------------|-------|-----|-------|------|
|            | 20710 | 10501 | T02  | 61202 | MEAN | 20710        | 10501 | 502 | 61202 | MEAN | 20710        | 10501 | 502 | 61202 | MEAN |
| 35         | 7073  | 5856  | 5499 | 1130  | 4964 | 56           | 65    | 54  | 62    | 59   | 181          | 203   | 183 | 142   | 177  |
| 55         | 7006  | 4519  | 5826 | 2260  | 4903 | 56           | 65    | 54  | 61    | 59   | 198          | 199   | 207 | 136   | 185  |
| 63         | 7809  | 5897  | 6127 | 1474  | 5327 | 56           | 67    | 54  | 62    | 60   | 210          | 205   | 181 | 111   | 177  |
| 81         | 6491  | 5865  | 5236 | 1720  | 4828 | 55           | 65    | 52  | 62    | 58   | 195          | 214   | 176 | 129   | 179  |
| 96         | 7073  | 4750  | 5113 | 1818  | 4689 | 54           | 63    | 54  | 61    | 58   | 182          | 200   | 177 | 128   | 172  |
| 151        | 7784  | 5887  | 5043 | 1523  | 5059 | 54           | 65    | 54  | 62    | 59   | 223          | 219   | 195 | 119   | 189  |
| 178        | 7232  | 5268  | 4322 | 2310  | 4783 | 57           | 63    | 52  | 61    | 58   | 182          | 203   | 180 | 144   | 177  |
| 195        | 7540  | 4815  | 5303 | 1425  | 4771 | 57           | 64    | 52  | 63    | 59   | 199          | 195   | 193 | 119   | 176  |
| 221        | 6838  | 5024  | 5956 | 1523  | 4836 | 58           | 66    | 54  | 64    | 60   | 206          | 199   | 193 | 142   | 185  |
| 235        | 7696  | 4625  | 6166 | 983   | 4867 | 58           | 67    | 54  | 62    | 60   | 198          | 195   | 205 | 108   | 176  |
| SEL MEAN   | 7254  | 5251  | 5489 | 1617  | 4903 | 56           | 65    | 53  | 62    | 59   | 197          | 203   | 189 | 128   | 179  |
| POP MEAN   | 6344  | 4186  | 4948 | 1428  | 4226 | 56           | 65    | 53  | 62    | 59   | 200          | 198   | 189 | 128   | 179  |
| CHECK MEAN | 6498  | 5293  | 2927 | 3957  | 4669 | 56           | 68    | 47  | 60    | 58   | 189          | 203   | 172 | 194   | 189  |
| BEST CHECK | 7137  | 6677  | 4712 | 4107  | 5658 | 56           | 67    | 49  | 59    | 58   | 190          | 210   | 179 | 199   | 195  |
| CV         | 9.6   | 18.6  | 17.2 | 10.1  | 13.9 |              |       |     |       |      |              |       |     |       |      |
| LSD(5%)    | 1200  | 1546  | 1662 | 296   | 1176 |              |       |     |       |      |              |       |     |       |      |



TABLE: 311-V-83

EVT12 YEAR 1983 PHILIPPINES BAYBAY

CO-OPERATOR: DR. KRISHNA K. SINGH, N.C. BELONIAS

| ENTRY NO./PEDIGREE    | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>M.C. | EAR<br>BORER | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|-----------------------|--------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|--------------|--------------|--------------|-----------------|---------------|------------|
| 7 Poza Rica 8129      | 5667   | 108            | 52           | 225        | 112       | 2.6          | 0.7          | 17.9        | 32.5           | 2.0          | 9.2          | 1.0          | 2.0             | 1.2           | 22.4       |
| 9 Ferke (1) 8129      | 5599   | 107            | 52           | 233        | 117       | 2.7          | 0.0          | 17.8        | 38.3           | 2.0          | 6.0          | 1.0          | 2.0             | 1.0           | 25.1       |
| 3 Poza Rica 8121      | 5336   | 102            | 53           | 230        | 115       | 2.5          | 0.6          | 11.0        | 39.5           | 1.3          | 7.3          | 1.0          | 2.0             | 0.9           | 26.2       |
| 12 Santa Rosa 8073    | 5300   | 101            | 53           | 237        | 123       | 4.6          | 4.5          | 16.1        | 36.3           | 1.8          | 12.3         | 1.5          | 2.5             | 1.0           | 21.4       |
| 1 Jardinopolis 8121   | 5275   | 101            | 53           | 233        | 116       | 3.2          | 0.0          | 14.3        | 39.3           | 2.0          | 6.7          | 1.0          | 2.0             | 1.0           | 24.5       |
| 10 Ilonga 8043        | 5274   | 101            | 52           | 256        | 130       | 3.2          | 1.3          | 12.0        | 39.0           | 1.3          | 5.0          | 1.3          | 2.5             | 1.0           | 26.9       |
| 14 Across 7729 RE     | 5221   | 100            | 53           | 222        | 105       | 2.6          | 0.0          | 15.5        | 39.8           | 1.8          | 6.6          | 1.0          | 1.5             | 0.9           | 30.2       |
| 6 Gandajika 8022      | 4970   | 95             | 53           | 215        | 104       | 2.7          | 0.0          | 19.5        | 36.3           | 2.3          | 9.2          | 1.5          | 2.3             | 1.0           | 21.7       |
| 11 Kwadaso 8043       | 4912   | 94             | 54           | 234        | 121       | 4.4          | 0.0          | 9.3         | 34.0           | 1.0          | 10.0         | 1.3          | 2.3             | 1.1           | 28.4       |
| 5 Across 8121         | 4892   | 93             | 54           | 229        | 117       | 3.5          | 7.6          | 15.2        | 36.5           | 1.8          | 9.4          | 1.3          | 2.3             | 0.9           | 29.1       |
| 13 Across 7622 RE     | 4377   | 84             | 53           | 229        | 121       | 4.0          | 1.4          | 18.0        | 37.5           | 2.0          | 6.2          | 1.3          | 2.3             | 1.0           | 29.9       |
| 2 Omonita (1) 8121    | 4270   | 82             | 54           | 235        | 119       | 9.3          | 1.3          | 18.4        | 31.0           | 1.8          | 6.4          | 1.3          | 2.0             | 1.0           | 28.8       |
| 8 Ferke 8129          | 4264   | 81             | 54           | 226        | 115       | 5.8          | 0.6          | 16.3        | 31.5           | 1.5          | 9.0          | 1.3          | 2.3             | 1.1           | 28.7       |
| 4 Ratray_arnld(1)8121 | 4045   | 77             | 54           | 241        | 118       | 4.1          | 0.0          | 19.9        | 34.0           | 2.0          | 6.3          | 1.0          | 2.8             | 1.0           | 30.0       |
| MEANS                 | 4957   | 95             | 53           | 232        | 117       | 3.9          | 1.3          | 15.8        | 36.1           | 1.7          | 7.8          | 1.2          | 2.2             | 1.0           | 26.7       |
| MAXIMUM               | 5667   | 108            | 54           | 256        | 130       | 9.3          | 7.6          | 19.9        | 39.8           | 2.3          | 12.3         | 1.5          | 2.8             | 1.2           | 30.2       |
| MINIMUM               | 4045   | 77             | 52           | 215        | 104       | 2.5          | 0.0          | 9.3         | 31.0           | 1.0          | 5.0          | 1.0          | 1.5             | 0.9           | 21.4       |
| CHECKS (TESTIGOS):    |        |                |              |            |           |              |              |             |                |              |              |              |                 |               |            |
| 16 PHIL. DMR COMP. 2  | 5232   | -              | 50           | 236        | 122       | 3.8          | 1.0          | 17.2        | 35.5           | 1.8          | 7.0          | 1.3          | 2.5             | 1.0           | 17.3       |
| 15 L. TINIGIB         | 4346   | -              | 43           | 251        | 135       | 9.3          | 5.8          | 13.4        | 26.5           | 1.5          | 9.5          | 1.3          | 2.5             | 1.3           | 25.4       |
| CHECK MEANS           | 4789   | -              | 46           | 243        | 128       | 6.6          | 3.4          | 15.3        | 31.0           | 1.6          | 8.3          | 1.3          | 2.5             | 1.2           | 21.3       |
| 5% LSD                | 1571.8 |                | 1.7          | 19.8       | 15.8      |              |              |             | 6.2            |              |              |              |                 |               | 7.4        |
| C.V.                  | 22.4   |                | 2.4          | 6.0        | 9.4       |              |              |             | 12.3           |              |              |              |                 |               | 20.1       |

TABLE: 312-V-83

EVT12      YEAR 1983      BRAZIL      PARANA (2)

CO-OPERATOR:OCEPAR

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 6 Gandajika 8022       | 4602  | 126            | 78           | 175        | 94        | 1.5          | 0.0          | 3.1         | 49.0           | 1.0           | 25.7       |
| 13 Across 7622 RE      | 4552  | 125            | 77           | 171        | 93        | 0.5          | 3.6          | 1.5         | 49.3           | 1.0           | 24.5       |
| 1 Jardinopolis 8121    | 4535  | 124            | 78           | 178        | 94        | 1.5          | 0.0          | 1.1         | 49.0           | 1.0           | 24.9       |
| 10 Ilonga 8043         | 4515  | 124            | 77           | 185        | 93        | 0.5          | 0.5          | 1.6         | 46.8           | 1.0           | 24.5       |
| 3 Poza Rica 8121       | 4437  | 122            | 78           | 183        | 101       | 1.0          | 0.5          | 0.0         | 47.8           | 1.0           | 25.0       |
| 14 Across 7729 RE      | 4435  | 122            | 78           | 174        | 86        | 1.1          | 3.7          | 1.7         | 47.8           | 1.0           | 25.1       |
| 9 Ferke (1) 8129       | 4411  | 121            | 78           | 170        | 88        | 1.6          | 0.0          | 0.5         | 47.3           | 1.0           | 25.0       |
| 11 Keadaso 8043        | 4317  | 118            | 79           | 181        | 93        | 0.6          | 1.7          | 1.8         | 44.3           | 1.0           | 23.9       |
| 4 Rattray_arnld(1)8121 | 4281  | 117            | 78           | 180        | 91        | 2.2          | 2.2          | 1.2         | 45.0           | 1.0           | 25.9       |
| 7 Poza Rica 8129       | 4210  | 115            | 76           | 169        | 86        | 4.2          | 0.5          | 1.6         | 48.0           | 1.0           | 24.0       |
| 2 Omonita (1) 8121     | 4160  | 114            | 78           | 176        | 84        | 2.3          | 0.5          | 0.0         | 46.0           | 1.0           | 24.2       |
| 12 Santa Rosa 8073     | 4093  | 112            | 77           | 180        | 95        | 3.2          | 3.2          | 0.0         | 46.3           | 1.0           | 24.6       |
| 5 Across 8121          | 4015  | 110            | 79           | 175        | 93        | 2.6          | 2.4          | 1.8         | 44.8           | 1.0           | 22.9       |
| 8 Ferke 8129           | 3851  | 106            | 78           | 168        | 88        | 0.0          | 0.0          | 0.0         | 43.0           | 1.0           | 23.1       |
| MEANS                  | 4315  | 118            | 78           | 176        | 91        | 1.6          | 1.3          | 1.1         | 46.7           | 1.0           | 24.5       |
| MAXIMUM                | 4602  | 126            | 79           | 185        | 101       | 4.2          | 3.7          | 3.1         | 49.3           | 1.0           | 25.9       |
| MINIMUM                | 3851  | 106            | 76           | 168        | 84        | 0.0          | 0.0          | 0.0         | 43.0           | 1.0           | 22.9       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |                |               |            |
| 15 OCEPAR 503          | 3647  | -              | 76           | 171        | 95        | 1.2          | 1.1          | 0.5         | 42.3           | 1.0           | 23.3       |
| 16 OCEPAR 202          | 3349  | -              | 78           | 191        | 101       | 2.8          | 2.0          | 0.7         | 34.5           | 1.0           | 23.4       |
| CHECK MEANS            | 3498  | -              | 77           | 181        | 98        | 2.0          | 1.5          | 0.6         | 38.4           | 1.0           | 23.3       |
| 5% LSD                 | 427.7 |                | 2.0          | 14.8       | 17.2      |              |              |             | 4.8            |               | 1.6        |
| C.V.                   | 7.1   |                | 1.8          | 5.9        | 13.2      |              |              |             | 7.3            |               | 4.7        |

TABLE: 313-V-83

EVT14A YEAR 1983 VIETNAM HANOI  
CO-OPERATOR:VU NGOC LUOC

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | HELM<br>TURC | SCLER.<br>RAY. | PLANTS<br>HARV | PLANT<br>ASPECT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|--------------|----------------|----------------|-----------------|------------|
| 1 Poza Rica 8126     | 3360  | 150            | 56           | 172        | 46        | 4.7          | 2.4          | 3.0          | 2.5            | 42.5           | 2.5             | 23.1       |
| 2 Susan 8126         | 2840  | 127            | 56           | 175        | 49        | 5.5          | 2.8          | 2.5          | 3.0            | 36.3           | 3.0             | 22.9       |
| 8 Iboperenda 8035    | 2702  | 120            | 61           | 171        | 41        | 0.0          | 0.0          | 4.5          | 3.0            | 41.3           | 3.0             | 23.1       |
| 9 Across 8035        | 1721  | 77             | 62           | 173        | 38        | 2.3          | 4.7          | 3.5          | 4.0            | 43.0           | 2.5             | 37.8       |
| 6 Susan (1) 8131     | 1633  | 73             | 58           | 157        | 40        | 6.8          | 9.1          | 3.0          | 2.5            | 44.3           | 3.0             | 23.1       |
| 3 La Molina 8131     | 1622  | 72             | 50           | 151        | 32        | 7.4          | 4.9          | 3.0          | 2.5            | 40.8           | 3.0             | 20.8       |
| 5 Susan 8131         | 1622  | 72             | 54           | 149        | 37        | 2.5          | 12.4         | 3.0          | 3.0            | 40.3           | 3.0             | 20.8       |
| 11 across 7635 RE    | 1438  | 64             | 56           | 164        | 32        | 5.6          | 22.3         | 3.0          | 4.0            | 19.3           | 3.5             | 24.1       |
| 7 Across 8131        | 1319  | 59             | 56           | 153        | 32        | 2.7          | 2.7          | 3.0          | 3.0            | 38.3           | 3.0             | 21.6       |
| 4 Islamabad (1) 8131 | 1198  | 53             | 56           | 145        | 33        | 5.6          | 2.8          | 2.5          | 2.5            | 36.5           | 3.0             | 20.8       |
| 10 Across 7726 RE    | 1160  | 52             | 53           | 180        | 40        | 12.6         | 7.6          | 3.0          | 3.0            | 39.8           | 3.0             | 24.1       |
| MEANS                | 1874  | 84             | 56           | 163        | 38        | 5.1          | 6.5          | 3.1          | 3.0            | 38.4           | 3.0             | 23.8       |
| MAXIMUM              | 3360  | 150            | 62           | 180        | 49        | 12.6         | 22.3         | 4.5          | 4.0            | 44.3           | 3.5             | 37.8       |
| MINIMUM              | 1160  | 52             | 50           | 145        | 32        | 0.0          | 0.0          | 2.5          | 2.5            | 19.3           | 2.5             | 20.8       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |              |                |                |                 |            |
| 13 HSB 1             | 2243  | -              | 58           | 219        | 82        | 2.6          | 7.7          | 3.0          | 3.0            | 39.3           | 3.0             | 25.1       |
| 12 TSB 1             | 1589  | -              | 57           | 201        | 58        | 10.5         | 5.3          | 3.5          | 4.0            | 38.0           | 3.0             | 28.3       |
| CHECK MEANS          | 1916  | -              | 57           | 209        | 70        | 6.5          | 6.5          | 3.3          | 3.5            | 38.6           | 3.0             | 26.7       |
| 5% LSD               | 499.5 |                |              | 13.2       | 7.6       |              |              |              |                | 5.0            |                 | 0.3        |
| C.V.                 | 18.5  |                |              | 5.4        | 12.4      |              |              |              |                | 9.1            |                 | 0.9        |



TABLE: 314-V-83

EVT14A YEAR 1983 VIETNAM CAM THUY  
CO-OPERATOR: VU NGOC LUOC

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | STEM<br>LODG | ROOT<br>LODG | SCLER<br>% | STALK<br>RGT | MUSK<br>COVER | PLANTS<br>HARV | BORER<br>% | EARS/<br>PLNT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|--------------|--------------|------------|--------------|---------------|----------------|------------|---------------|------------|
| 10 Across 7726 RE    | 5527  | 97             | 88           | 160        | 3.0          | 4.4          | 1.9        | 2.5          | 3.0           | 40.8           | 1.3        | 1.0           | 29.4       |
| 6 Suwan (1) 8131     | 5000  | 88             | 82           | 164        | 3.2          | 6.9          | 0.0        | 9.2          | 2.8           | 39.3           | 0.0        | 1.0           | 30.6       |
| 5 Suwan 8131         | 4959  | 87             | 82           | 163        | 2.9          | 6.0          | 0.0        | 8.8          | 3.0           | 42.3           | 0.0        | 1.0           | 28.0       |
| 1 Poza Rica 8126     | 4874  | 86             | 87           | 183        | 1.2          | 4.5          | 1.2        | 9.0          | 2.5           | 40.3           | 0.6        | 1.0           | 54.3       |
| 2 Suwan 8126         | 4841  | 85             | 87           | 184        | 8.6          | 8.7          | 0.0        | 11.2         | 2.3           | 37.8           | 2.0        | 1.0           | 33.9       |
| 7 Across 8131        | 4685  | 83             | 82           | 149        | 3.2          | 1.3          | 0.0        | 6.3          | 2.5           | 39.3           | 0.0        | 1.0           | 28.8       |
| 8 Iboperenda 8035    | 4640  | 82             | 86           | 187        | 5.0          | 10.9         | 0.0        | 12.7         | 3.3           | 39.3           | 0.0        | 1.0           | 32.2       |
| 4 Islamabad (1) 8131 | 4546  | 80             | 82           | 196        | 2.7          | 7.6          | 0.0        | 7.3          | 2.8           | 37.8           | 0.0        | 1.0           | 34.5       |
| 9 Across 8035        | 4501  | 79             | 85           | 196        | 1.8          | 4.3          | 3.1        | 11.9         | 2.5           | 39.8           | 0.6        | 1.0           | 33.0       |
| 3 La Molina 8131     | 4495  | 79             | 82           | 156        | 3.9          | 5.6          | 0.0        | 8.6          | 2.8           | 41.3           | 0.0        | 1.0           | 32.1       |
| 11 across 7635 RE    | 4314  | 76             | 86           | 174        | 10.4         | 4.1          | 2.8        | 5.5          | 3.5           | 36.5           | 2.2        | 1.0           | 30.8       |
| MEANS                | 4762  | 84             | 84           | 174        | 4.2          | 5.8          | 0.8        | 8.4          | 2.8           | 39.5           | 0.6        | 1.0           | 31.6       |
| MAXIMUM              | 5527  | 97             | 88           | 196        | 10.4         | 10.9         | 3.1        | 12.7         | 3.5           | 42.3           | 2.2        | 1.0           | 34.5       |
| MINIMUM              | 4314  | 76             | 82           | 149        | 1.2          | 1.3          | 0.0        | 2.5          | 2.3           | 36.5           | 0.0        | 1.0           | 28.0       |
| CHECKS (TESTIGOS):   |       |                |              |            |              |              |            |              |               |                |            |               |            |
| 13 VH-1              | 5673  | -              | 88           | 230        | 15.2         | 3.3          | 0.7        | 5.0          | 3.0           | 40.3           | 0.7        | 1.0           | 34.3       |
| 12 DT-6              | 5364  | -              | 89           | 195        | 14.6         | 11.4         | 0.0        | 3.8          | 2.5           | 39.5           | 0.0        | 1.0           | 34.9       |
| CHECK MEANS          | 5519  | -              | 88           | 212        | 14.9         | 7.4          | 0.3        | 4.4          | 2.8           | 39.9           | 0.3        | 1.0           | 34.6       |
| 5% LSO               | 787.4 |                | 1.8          |            |              |              |            |              |               | 2.9            |            |               | 5.9        |
| C.V.                 | 11.3  |                | 1.5          |            |              |              |            |              |               | 5.1            |            |               | 12.8       |

TABLE: 315-V-83

EVT 14A YEAR 1963 VIETNAM SONG-BOI (3)  
CO-OPERATOR: VU NGCC LLOC

| ENTRY NO./PEDIGREE   | KG/HA  | BEST<br>CHECK | DAYS<br>SILK | FEAR<br>PBT | HUSK<br>COVER | HELP<br>TURC | PLANTS<br>HARV | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|----------------------|--------|---------------|--------------|-------------|---------------|--------------|----------------|-----------------|---------------|------------|
| 6 Suwan (1) 8131     | 3839   | 105           | 44           | 12.2        | 3.5           | 1.5          | 30.3           | 3.0             | 0.8           | 33.8       |
| 2 Suwan 8126         | 2367   | 65            | 50           | 7.6         | 3.3           | 1.3          | 26.5           | 3.3             | 0.9           | 32.2       |
| 1 Poza Rica 8126     | 2262   | 62            | 43           | 8.6         | 3.3           | 1.5          | 24.5           | 3.0             | 0.9           | 30.5       |
| 9 Across 8035        | 2164   | 59            | 52           | 6.7         | 3.0           | 1.3          | 32.8           | 3.0             | 1.0           | 36.1       |
| 5 Suwan 8131         | 2128   | 58            | 46           | 7.8         | 3.3           | 1.8          | 34.0           | 3.3             | 0.9           | 33.7       |
| 8 Iboperenda 8035    | 2121   | 58            | 50           | 11.3        | 3.0           | 1.0          | 32.5           | 3.3             | 0.9           | 34.6       |
| 7 Across 8131        | 2072   | 57            | 44           | 9.5         | 3.0           | 2.0          | 33.5           | 3.5             | 0.9           | 23.6       |
| 10 Across 7726 RE    | 2030   | 56            | 50           | 11.8        | 3.3           | 1.5          | 29.0           | 3.0             | 0.9           | 34.1       |
| 3 La Molina 8131     | 1696   | 46            | 42           | 31.5        | 3.3           | 1.3          | 34.5           | 3.3             | 0.8           | 35.8       |
| 4 Islamabad (1) 8131 | 1635   | 45            | 44           | 16.9        | 3.0           | 1.8          | 28.3           | 3.3             | 0.9           | 34.7       |
| 11 Across 7635 RE    | 1624   | 44            | 41           | 10.8        | 3.5           | 1.3          | 24.3           | 3.0             | 0.8           | 32.7       |
| MEANS                | 2175   | 59            | 47           | 12.3        | 3.2           | 1.5          | 31.8           | 3.2             | 0.9           | 33.8       |
| MAXIMUM              | 3839   | 105           | 52           | 31.5        | 3.5           | 2.0          | 36.5           | 3.5             | 1.0           | 36.1       |
| MINIMUM              | 1624   | 44            | 42           | 6.7         | 3.0           | 1.0          | 24.3           | 3.0             | 0.8           | 30.5       |
| CHECKS (TESTIGOS):   |        |               |              |             |               |              |                |                 |               |            |
| 12 TSB-1             | 3687   | -             | 52           | 7.9         | 2.8           | 1.0          | 39.5           | 3.0             | 0.9           | 30.7       |
| 13 HSB-1             | 3406   | -             | 53           | 9.5         | 3.5           | 1.3          | 33.0           | 3.0             | 0.9           | 32.0       |
| CHECK MEANS          | 3532   | -             | 52           | 8.7         | 3.1           | 1.1          | 36.3           | 3.0             | 0.9           | 31.3       |
| 5% LSD               | 1325.9 |               | 2.9          |             |               |              | 7.8            |                 |               | 5.5        |
| C.V.                 | 33.8   |               | 4.1          |             |               |              | 16.8           |                 |               | 11.5       |

TABLE: 316-V-83

EVT14B      YEAR 1983      PHILIPPINES      BAYBAY

CO-OPERATOR: DR. KRISHNA K. SINGH

| ENTRY NO./PEDIGREE       | KG/HA  | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LOAD | %EAR<br>ROT | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | EAR<br>BORER | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST.<br>% |
|--------------------------|--------|----------------|--------------|------------|-----------|--------------|-------------|----------------|--------------|--------------|--------------|-----------------|---------------|-------------|
| 8 Ikene 8149             | 5475   | 128            | 49           | 198        | 97        | 2.4          | 17.8        | 41.5           | 2.0          | 4.4          | 1.3          | 1.3             | 0.9           | 18.8        |
| 10 Across 8149           | 5327   | 124            | 49           | 199        | 93        | 1.8          | 21.1        | 41.8           | 2.5          | 4.5          | 1.3          | 1.0             | 0.9           | 24.0        |
| 7 Poza Rica 8149         | 5071   | 119            | 50           | 168        | 78        | 1.2          | 23.3        | 41.0           | 2.5          | 4.5          | 1.5          | 1.5             | 1.0           | 27.0        |
| 5 Ilonga 8032            | 4895   | 114            | 52           | 215        | 104       | 1.8          | 16.2        | 42.3           | 1.5          | 1.6          | 1.8          | 1.3             | 0.9           | 21.9        |
| 12 Los Diamantes 7823RE  | 4879   | 114            | 51           | 222        | 110       | 3.6          | 16.5        | 41.8           | 2.0          | 5.1          | 1.8          | 1.5             | 1.0           | 24.9        |
| 9 Rattray-Arnld(1)8149   | 4799   | 112            | 49           | 175        | 83        | 0.7          | 17.7        | 40.3           | 2.0          | 4.2          | 1.5          | 1.3             | 0.9           | 24.7        |
| 11 Piresabak (1) 7930 RE | 4759   | 111            | 46           | 207        | 98        | 1.8          | 19.7        | 41.8           | 2.5          | 10.4         | 1.3          | 1.5             | 1.1           | 23.9        |
| 4 Poza Rica 8130         | 4666   | 109            | 48           | 218        | 105       | 0.6          | 10.8        | 42.0           | 1.5          | 2.7          | 1.8          | 1.3             | 0.9           | 20.4        |
| 2 Comayagua 8130         | 4665   | 109            | 46           | 204        | 103       | 3.0          | 13.7        | 42.5           | 1.8          | 5.3          | 1.8          | 1.5             | 0.9           | 18.3        |
| 1 CIAT 8130              | 4454   | 104            | 48           | 213        | 109       | 2.3          | 13.4        | 41.3           | 1.8          | 3.2          | 1.5          | 1.3             | 1.0           | 22.3        |
| 3 Comayagua (1) 8130     | 4439   | 104            | 47           | 205        | 104       | 2.4          | 12.0        | 40.5           | 1.3          | 1.3          | 1.8          | 1.3             | 0.9           | 21.9        |
| 6 Across 8032            | 3992   | 93             | 52           | 220        | 103       | 3.6          | 19.1        | 42.3           | 2.3          | 0.7          | 2.0          | 1.8             | 0.9           | 25.3        |
| MEANS                    | 4785   | 112            | 49           | 204        | 99        | 2.1          | 16.8        | 41.6           | 2.0          | 4.0          | 1.6          | 1.4             | 0.9           | 22.8        |
| MAXIMUM                  | 5475   | 128            | 52           | 222        | 110       | 3.6          | 23.3        | 42.5           | 2.5          | 10.4         | 2.0          | 1.8             | 1.1           | 27.0        |
| MINIMUM                  | 3992   | 93             | 46           | 168        | 78        | 0.6          | 10.8        | 40.3           | 1.3          | 0.7          | 1.3          | 1.0             | 0.9           | 18.3        |
| CHECKS (TESTIGOS):       |        |                |              |            |           |              |             |                |              |              |              |                 |               |             |
| 14 PHIL. DMR COMP. 2     | 4279   | -              | 49           | 229        | 115       | 7.4          | 13.4        | 38.3           | 1.5          | 3.2          | 1.8          | 1.8             | 1.0           | 24.1        |
| 13 TINIGIB               | 4138   | -              | 44           | 240        | 124       | 4.1          | 14.7        | 37.5           | 1.8          | 2.8          | 1.8          | 1.5             | 1.0           | 27.1        |
| CHECK MEANS              | 4208   | -              | 46           | 234        | 119       | 5.7          | 14.0        | 37.9           | 1.6          | 3.0          | 1.8          | 1.6             | 1.0           | 25.6        |
| 5% LSD                   | 1028.2 |                | 1.2          | 24.2       | 14.0      |              |             | 3.3            |              |              |              |                 |               | 7.0         |
| C.V.                     | 15.3   |                | 1.7          | 8.1        | 9.6       |              |             | 5.7            |              |              |              |                 |               | 21.0        |

TABLE: 317-V-83

EVT 15A YEAR 1983 VIETNAM SONG-BOI (3)

CO-OPERATOR:VU NGOC LUOC

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | Sheath<br>spot<br>% | %EAR<br>ROT | HELM<br>MAYD | PLANTS<br>HARV | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|---------------------|-------------|--------------|----------------|-----------------|---------------|------------|
| 7 Los Banos 8140       | 4520  | 115            | 70           | 199        | 97        | 20.4                | 7.1         | 3.0          | 41.5           | 2.8             | 0.9           | 31.4       |
| 5 San Jeronimo (1) 814 | 4512  | 115            | 70           | 194        | 99        | 30.1                | 3.9         | 2.5          | 40.3           | 3.0             | 1.0           | 31.5       |
| 8 Across 8140          | 4211  | 108            | 69           | 198        | 103       | 25.7                | 6.5         | 3.0          | 38.0           | 3.3             | 0.9           | 30.3       |
| 4 San Jeronimo 8140    | 4207  | 107            | 70           | 187        | 95        | 22.7                | 11.3        | 3.0          | 40.3           | 3.0             | 0.9           | 29.9       |
| 6 Poza Rica 8140       | 4063  | 104            | 69           | 197        | 99        | 28.9                | 9.1         | 2.8          | 39.0           | 3.0             | 0.9           | 32.0       |
| 9 Across 7940 RE       | 4023  | 103            | 70           | 175        | 97        | 22.8                | 12.7        | 3.0          | 39.3           | 3.0             | 0.9           | 31.4       |
| 3 Across 8039          | 3796  | 97             | 69           | 194        | 101       | 29.3                | 7.2         | 2.8          | 38.3           | 3.0             | 0.9           | 27.6       |
| 10 Across 7726 NRE     | 3713  | 95             | 70           | 187        | 92        | 24.6                | 11.9        | 2.5          | 40.5           | 2.8             | 0.9           | 28.9       |
| 1 San Jeronimo 8039    | 3489  | 89             | 68           | 178        | 90        | 31.8                | 10.9        | 2.8          | 39.0           | 2.8             | 1.0           | 27.5       |
| 2 Pichilingue 8039     | 3093  | 79             | 68           | 189        | 98        | 28.4                | 13.6        | 3.0          | 36.8           | 3.0             | 0.9           | 29.3       |
| MEANS                  | 3963  | 101            | 69           | 189        | 97        | 26.5                | 9.4         | 2.8          | 39.3           | 3.0             | 0.9           | 30.0       |
| MAXIMUM                | 4520  | 115            | 70           | 198        | 103       | 31.8                | 13.6        | 3.0          | 41.5           | 3.3             | 1.0           | 32.0       |
| MINIMUM                | 3093  | 79             | 68           | 175        | 90        | 20.4                | 3.9         | 2.5          | 36.8           | 2.8             | 0.9           | 27.5       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |                     |             |              |                |                 |               |            |
| 12 VM1                 | 3914  | -              | 74           | 203        | 113       | 17.2                | 2.2         | 2.3          | 34.3           | 3.0             | 1.0           | 35.0       |
| 11 PN 320B             | 1218  | -              | 76           | 178        | 89        | 31.3                | 5.4         | 2.5          | 9.8            | 2.5             | 0.8           | 31.1       |
| CHECK MEANS            | 2566  | -              | 75           | 190        | 101       | 24.3                | 3.8         | 2.4          | 22.0           | 2.8             | 0.9           | 33.1       |
| 5% LSD                 | 848.2 |                | 1.9          | 21.7       | 10.9      |                     |             |              | 4.9            |                 |               | 3.0        |
| C.V.                   | 15.8  |                | 1.9          | 8.0        | 7.8       |                     |             |              | 9.3            |                 |               | 6.9        |

TABLE: 318-V-83

EVT158 YEAR 1983 MEXICO CD. OBREGON

CD-OPERATOR:O.COTA Y J.M. VALENZUELA

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | ENDO<br>HARD | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|--------------|--------------|-----------------|---------------|------------|
| 1 Tlaltizapan 8141 | 7291  | 101            | 71           | 189        | 100       | 3.7          | 7.3          | 3.8         | 2.4          | 41.3           | 3.8          | 18.8         | 3.3             | 1.1           | 23.5       |
| 8 Across 7941 RE   | 6801  | 94             | 70           | 176        | 93        | 0.0          | 5.6          | 1.5         | 2.1          | 40.8           | 3.6          | 21.4         | 3.0             | 1.1           | 21.8       |
| 5 Across 8141      | 6283  | 87             | 71           | 179        | 85        | 0.6          | 3.1          | 2.1         | 2.5          | 39.8           | 3.6          | 15.0         | 2.9             | 1.1           | 22.5       |
| 7 Pool 34 QPM      | 6212  | 86             | 71           | 169        | 80        | 0.6          | 2.7          | 4.8         | 2.0          | 38.8           | 3.3          | 23.8         | 3.0             | 1.2           | 22.2       |
| 9 Across 7845 NRE  | 6143  | 85             | 71           | 183        | 93        | 4.3          | 8.7          | 8.3         | 2.0          | 40.0           | 3.4          | 15.0         | 2.8             | 1.1           | 20.6       |
| 2 Islamabad 8141   | 6014  | 83             | 70           | 178        | 91        | 0.0          | 2.4          | 4.2         | 2.5          | 39.8           | 3.5          | 14.4         | 2.9             | 1.1           | 20.7       |
| 3 Antalya 8141     | 5871  | 81             | 70           | 185        | 86        | 0.6          | 6.1          | 4.7         | 2.4          | 40.8           | 3.5          | 20.3         | 2.9             | 1.0           | 19.6       |
| 4 Antalya (1) 8141 | 5745  | 80             | 70           | 181        | 94        | 0.0          | 1.2          | 7.1         | 2.5          | 40.8           | 3.5          | 11.6         | 2.6             | 1.1           | 22.0       |
| 6 La Platina 7941  | 5464  | 76             | 71           | 165        | 85        | 1.8          | 4.7          | 7.6         | 2.4          | 38.8           | 3.4          | 9.0          | 2.9             | 1.1           | 23.3       |
| MEANS              | 6203  | 86             | 70           | 178        | 90        | 1.3          | 4.6          | 4.9         | 2.3          | 40.1           | 3.5          | 16.6         | 2.9             | 1.1           | 21.8       |
| MAXIMUM            | 7291  | 101            | 71           | 189        | 100       | 4.3          | 8.7          | 8.3         | 2.5          | 41.3           | 3.8          | 23.8         | 3.3             | 1.2           | 23.5       |
| MINIMUM            | 5464  | 76             | 70           | 165        | 80        | 0.0          | 1.2          | 1.5         | 2.0          | 38.8           | 3.3          | 9.0          | 2.6             | 1.0           | 19.6       |
| CHECKS (TESTIGDS): |       |                |              |            |           |              |              |             |              |                |              |              |                 |               |            |
| 11 GUANACASTE 7940 | 7211  | -              | 71           | 188        | 101       | 2.4          | 8.8          | 1.1         | 2.3          | 41.8           | 3.8          | 8.5          | 3.4             | 1.1           | 27.1       |
| 10 LA POSTA QPM    | 7169  | -              | 74           | 200        | 106       | 2.5          | 9.4          | 6.7         | 2.3          | 40.0           | 4.0          | 14.4         | 3.6             | 1.1           | 26.5       |
| 12 V-455           | 6966  | -              | 76           | 191        | 106       | 1.9          | 9.1          | 1.3         | 2.5          | 38.0           | 4.0          | 9.3          | 3.4             | 1.0           | 28.0       |
| CHECK MEANS        | 7115  | -              | 73           | 192        | 104       | 2.3          | 9.1          | 3.0         | 2.3          | 39.9           | 3.9          | 10.7         | 3.5             | 1.1           | 27.2       |
| 5% LSD             | 862.6 |                | 1.8          | 16.6       | 19.4      |              |              |             |              | 3.9            |              |              |                 |               | 2.1        |
| C.V.               | 9.3   |                | 1.8          | 6.3        | 14.5      |              |              |             |              | 6.8            |              |              |                 |               | 6.3        |

TABLE: 319-V-83

EVT16A YEAR 1983 THAILAND SUWAN

CO-OPERATOR: RICHARD WEDDERBURN

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEP<br>LDDG | ROOT<br>LDDG | %EAR<br>RCT | PUCG<br>POLY | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>M.C. | PLANT<br>ASPECT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|---------------|----------------|---------------|--------------|-----------------|------------|
| 11 Across 7845 RB    | 5558  | 65             | 47           | 174        | 90        | 45.4         | 13.2         | 6.8         | 4.1          | 3.0           | 43.5           | 3.0           | 24.6         | 4.0             | 24.8       |
| 4 Guaira 8045        | 5089  | 60             | 47           | 178        | 89        | 41.5         | 12.5         | 5.5         | 4.6          | 2.8           | 44.0           | 3.0           | 17.3         | 4.3             | 25.4       |
| 3 Across 8033        | 4771  | 56             | 46           | 166        | 86        | 36.4         | 12.5         | 6.3         | 4.9          | 2.5           | 44.0           | 3.0           | 15.3         | 4.0             | 23.3       |
| 1 Sete Lagoas 8033   | 4667  | 55             | 46           | 161        | 79        | 46.2         | 10.4         | 7.3         | 3.8          | 3.0           | 43.0           | 3.0           | 22.0         | 4.0             | 23.5       |
| 12 Across 7748 RE    | 4545  | 53             | 45           | 174        | 87        | 54.8         | 5.7          | 6.7         | 4.9          | 3.3           | 43.8           | 3.3           | 21.1         | 4.0             | 19.5       |
| 2 La Molina (1) 8033 | 4466  | 52             | 47           | 171        | 84        | 33.5         | 12.7         | 7.3         | 4.1          | 2.8           | 43.3           | 3.0           | 22.7         | 4.0             | 23.2       |
| 8 Pirsabak 8146      | 4403  | 52             | 45           | 172        | 83        | 42.1         | 9.3          | 6.1         | 4.8          | 2.8           | 43.3           | 3.3           | 14.9         | 4.0             | 20.5       |
| 5 Capinopolis 8146   | 3980  | 47             | 45           | 166        | 82        | 49.4         | 2.3          | 7.3         | 4.5          | 3.3           | 44.0           | 3.5           | 31.9         | 4.0             | 23.0       |
| 10 Across 8146       | 3975  | 47             | 45           | 160        | 76        | 56.8         | 9.7          | 7.6         | 5.0          | 3.3           | 44.0           | 3.8           | 24.5         | 4.5             | 19.9       |
| 6 La Molina 8146     | 3959  | 46             | 45           | 159        | 79        | 34.3         | 5.8          | 6.0         | 4.4          | 3.0           | 43.0           | 3.8           | 26.0         | 4.0             | 19.8       |
| 9 Coimbatore 8146    | 3848  | 45             | 41           | 158        | 74        | 54.6         | 8.0          | 5.8         | 4.6          | 3.0           | 43.5           | 3.0           | 18.5         | 4.5             | 21.1       |
| 7 Tlaltizapan 8146   | 3560  | 42             | 44           | 153        | 73        | 61.7         | 6.3          | 6.3         | 4.8          | 3.0           | 43.8           | 3.8           | 28.6         | 4.8             | 21.0       |
| MEANS                | 4402  | 52             | 45           | 166        | 82        | 46.4         | 9.0          | 6.6         | 4.5          | 3.0           | 43.6           | 3.3           | 22.3         | 4.2             | 22.1       |
| MAXIMUM              | 5558  | 65             | 47           | 178        | 90        | 61.7         | 13.2         | 7.6         | 5.0          | 3.3           | 44.0           | 3.8           | 31.9         | 4.8             | 25.4       |
| MINIMUM              | 3560  | 42             | 41           | 153        | 73        | 33.5         | 2.3          | 5.5         | 3.8          | 2.5           | 43.0           | 3.0           | 14.9         | 4.0             | 19.5       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |              |               |                |               |              |                 |            |
| 13 KS4(S)C1-F1       | 8546  | -              | 50           | 212        | 116       | 2.9          | 6.8          | 2.3         | 2.5          | 2.0           | 43.8           | 3.0           | 7.3          | 2.0             | 27.2       |
| 15 SUWAN 1(S)C9-F3   | 7975  | -              | 51           | 204        | 117       | 3.4          | 18.0         | 2.3         | 2.5          | 2.0           | 42.8           | 3.0           | 7.9          | 2.3             | 26.4       |
| 14 SUWAN 2(S)C6-F4   | 7053  | -              | 47           | 194        | 105       | 5.8          | 5.8          | 2.1         | 3.3          | 2.0           | 43.0           | 2.0           | 13.2         | 3.0             | 26.8       |
| CHECK MEANS          | 7858  | -              | 49           | 202        | 112       | 4.0          | 10.2         | 2.2         | 2.8          | 2.0           | 43.2           | 2.7           | 9.5          | 2.4             | 26.8       |
| 5% LSD               | 719.6 |                | 1.0          | 7.2        | 4.9       |              |              |             |              |               | 1.4            |               |              |                 |            |
| C.V.                 | 9.9   |                | 1.5          | 2.9        | 3.9       |              |              |             |              |               | 2.2            |               |              |                 |            |

TABLE: 320-V-83

EVT16A YEAR 1983 VIETNAM TO-HIEU

CO-OPERATOR:VU NGOC LUOC

| ENTRY NO./PEDIGREE   | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | HUSK<br>COVER | HELM<br>TURC | PLANTS<br>HARY | EAR<br>ASPCT | INSECT<br>DAMAGE | PLANT<br>ASPECT | MOIST<br>% |
|----------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|---------------|--------------|----------------|--------------|------------------|-----------------|------------|
| 4 Guaira 8045        | 7627  | 79             | 53           | 206        | 93        | 0.0          | 0.0          | 2.3         | 3.0           | 1.0          | 40.0           | 2.0          | 1.3              | 1.0             | 31.5       |
| 2 La Molina (1) 8033 | 7470  | 78             | 50           | 211        | 96        | 0.7          | 0.0          | 3.1         | 2.0           | 1.0          | 39.3           | 4.0          | 1.3              | 1.3             | 30.3       |
| 11 Across 7845 RE    | 7461  | 78             | 52           | 222        | 104       | 0.0          | 0.0          | 0.0         | 2.0           | 1.0          | 41.5           | 2.5          | 1.3              | 1.0             | 30.5       |
| 12 Across 7748 RE    | 7436  | 77             | 49           | 262        | 147       | 1.3          | 0.6          | 3.0         | 4.0           | 1.5          | 39.8           | 4.0          | 1.0              | 1.3             | 24.2       |
| 1 Sete Lagoas 8033   | 6668  | 69             | 51           | 201        | 90        | 0.0          | 0.0          | 2.0         | 3.0           | 1.0          | 39.0           | 3.0          | 1.0              | 1.5             | 29.9       |
| 3 Across 8033        | 5961  | 62             | 51           | 224        | 106       | 0.6          | 0.6          | 0.0         | 3.0           | 1.0          | 40.5           | 4.0          | 1.0              | 1.0             | 33.1       |
| 8 Piraabak 8146      | 5876  | 61             | 47           | 218        | 100       | 0.0          | 1.2          | 0.0         | 2.5           | 1.5          | 39.8           | 4.0          | 1.3              | 1.3             | 26.7       |
| 6 La Molina 8146     | 5769  | 60             | 48           | 203        | 93        | 0.0          | 0.0          | 3.6         | 2.0           | 1.5          | 41.0           | 5.0          | 1.0              | 1.3             | 26.7       |
| 9 Coimbatore 8146    | 5461  | 57             | 47           | 192        | 82        | 0.0          | 1.8          | 1.2         | 2.0           | 1.0          | 41.5           | 4.0          | 1.0              | 1.3             | 23.7       |
| 7 Tlaltizapan 8146   | 5271  | 55             | 47           | 245        | 139       | 0.0          | 0.0          | 0.0         | 3.0           | 1.5          | 37.8           | 3.0          | 1.0              | 1.3             | 24.7       |
| 5 Capinopolis 8146   | 5087  | 53             | 48           | 215        | 93        | 1.8          | 0.0          | 3.2         | 4.0           | 1.0          | 39.8           | 3.0          | 1.5              | 1.3             | 27.5       |
| 10 Across 8146       | 5029  | 52             | 47           | 194        | 89        | 2.0          | 0.0          | 1.3         | 3.8           | 1.0          | 38.3           | 3.5          | 1.3              | 1.3             | 24.9       |
| MEANS                | 6260  | 65             | 49           | 216        | 102       | 0.5          | 0.4          | 1.6         | 2.9           | 1.2          | 39.8           | 3.5          | 1.1              | 1.2             | 27.8       |
| MAXIMUM              | 7627  | 79             | 53           | 262        | 147       | 2.0          | 1.8          | 3.6         | 4.0           | 1.5          | 41.5           | 5.0          | 1.5              | 1.5             | 33.1       |
| MINIMUM              | 5029  | 52             | 47           | 192        | 82        | 0.0          | 0.0          | 0.0         | 2.0           | 1.0          | 37.8           | 2.0          | 1.0              | 1.0             | 23.7       |
| CHECKS (TESTIGOS):   |       |                |              |            |           |              |              |             |               |              |                |              |                  |                 |            |
| 13 MSB1              | 9616  | -              | 55           | 228        | 115       | 0.6          | 1.3          | 0.6         | 2.8           | 1.5          | 39.3           | 3.0          | 1.0              | 1.0             | 33.1       |
| 14 SBK2              | 8404  | -              | 57           | 206        | 102       | 0.0          | 0.0          | 2.6         | 2.3           | 1.0          | 37.8           | 3.0          | 1.0              | 1.0             | 32.6       |
| 15 TSB2              | 6047  | -              | 53           | 224        | 118       | 0.0          | 0.0          | 1.9         | 3.0           | 1.0          | 35.8           | 2.0          | 1.0              | 1.3             | 31.5       |
| CHECK MEANS          | 8022  | -              | 54           | 219        | 111       | 0.2          | 0.4          | 1.7         | 2.7           | 1.2          | 37.6           | 2.7          | 1.0              | 1.1             | 32.4       |
| SE LSD               | 909.4 |                | 2.6          | 29.8       | 27.6      |              |              |             |               |              | 3.1            |              |                  |                 |            |
| C.V.                 | 9.6   |                | 3.6          | 9.6        | 18.6      |              |              |             |               |              | 5.4            |              |                  |                 |            |

TABLE: 321-V-83

EVT168 YEAR 1983 THAILAND SUWAN

CO-OPERATOR: RICHARD WEDDERBURN

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>RCT | PUCC<br>POLY | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPCT | %BAD<br>H.C. | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|---------------|----------------|--------------|--------------|-----------------|------------|
| 1 San Jeronimo 8134    | 6022  | 71             | 49           | 186        | 96        | 21.7         | 7.5          | 5.8         | 3.8          | 2.0           | 42.8           | 2.8          | 15.2         | 3.5             | 27.3       |
| 3 Tlaltizapan 8134     | 5469  | 65             | 49           | 183        | 96        | 46.9         | 14.5         | 3.6         | 4.4          | 2.0           | 43.5           | 2.5          | 10.0         | 3.8             | 27.2       |
| 4 Shaka (1) 8134       | 5469  | 65             | 49           | 195        | 102       | 30.3         | 6.3          | 4.2         | 4.5          | 2.0           | 43.8           | 2.5          | 10.1         | 3.8             | 27.1       |
| 5 Nazareth 8134        | 5442  | 64             | 50           | 176        | 96        | 27.1         | 4.0          | 4.2         | 4.5          | 2.3           | 43.8           | 3.0          | 14.0         | 3.8             | 26.7       |
| 8 Across 7844 RE       | 5425  | 64             | 52           | 195        | 110       | 31.7         | 9.8          | 2.5         | 3.8          | 2.0           | 43.5           | 2.5          | 9.7          | 3.3             | 28.8       |
| 2 San Jeronimo (1)8134 | 5130  | 61             | 49           | 183        | 100       | 34.5         | 9.8          | 5.6         | 4.3          | 2.3           | 43.5           | 3.0          | 11.8         | 3.8             | 28.3       |
| 7 Across 7734 RE       | 5074  | 60             | 50           | 192        | 103       | 55.1         | 3.4          | 4.6         | 4.5          | 2.5           | 44.0           | 3.0          | 12.2         | 4.0             | 27.7       |
| 6 Celaya 8047          | 4868  | 58             | 47           | 168        | 84        | 49.7         | 8.5          | 5.5         | 4.1          | 2.0           | 43.8           | 3.0          | 24.7         | 3.8             | 25.8       |
| MEANS                  | 5362  | 64             | 49           | 185        | 98        | 39.6         | 8.0          | 4.5         | 4.2          | 2.1           | 43.6           | 2.8          | 13.5         | 3.7             | 27.4       |
| MAXIMUM                | 6022  | 71             | 52           | 195        | 110       | 55.1         | 14.5         | 5.8         | 4.5          | 2.5           | 44.0           | 3.0          | 24.7         | 4.0             | 28.8       |
| MINIMUM                | 4868  | 58             | 47           | 168        | 84        | 30.3         | 3.4          | 2.5         | 3.8          | 2.0           | 42.8           | 2.5          | 9.7          | 3.3             | 25.8       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |               |                |              |              |                 |            |
| 9 SUWAN 1(S) C9-F3     | 8442  | -              | 50           | 211        | 117       | 2.9          | 8.5          | 2.2         | 2.3          | 2.0           | 43.8           | 3.0          | 8.6          | 2.0             | 27.5       |
| 10 SUWAN 1(S) C4 WHITE | 5772  | -              | 52           | 194        | 117       | 8.1          | 5.2          | 2.8         | 3.0          | 2.0           | 43.3           | 3.0          | 4.4          | 2.5             | 25.1       |
| CHECK MEANS            | 7107  | -              | 50           | 202        | 117       | 5.5          | 6.9          | 2.5         | 2.6          | 2.0           | 43.5           | 3.0          | 6.5          | 2.3             | 26.3       |
| 5% LSD                 | 803.5 |                | 2.8          | 11.0       | 6.6       |              |              |             |              |               | 1.1            |              |              |                 |            |
| C.V.                   | 9.8   |                | 3.9          | 4.0        | 4.5       |              |              |             |              |               | 1.8            |              |              |                 |            |





TABLE: 152-EV-83

EVT18A YEAR 1983

PHILIPPINES

ILAGAN

CO-OPERATOR: BPI

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | PUCC | HUSK<br>COVER | PLANTS<br>HARV | EAR<br>ASPECT | PLANT<br>ASPECT | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|------|---------------|----------------|---------------|-----------------|---------------|------------|
| 2 Guaymas (1) 8022 | 8243  | 114            | 66           | 175        | 75        | 3.9          | 7.0          | 1.0  | 1.3           | 40.3           | 1.5           | 1.8             | 1.0           | 15.0       |
| 8 Across 7936      | 7442  | 103            | 66           | 162        | 72        | 7.8          | 0.0          | 1.0  | 1.8           | 41.8           | 2.0           | 2.0             | 1.1           | 13.9       |
| 11 Across 7729 RE  | 7307  | 101            | 68           | 170        | 71        | 1.1          | 5.1          | 1.0  | 1.8           | 40.8           | 1.5           | 1.8             | 1.0           | 14.9       |
| 10 Across 7728 RE  | 7193  | 99             | 68           | 172        | 75        | 8.0          | 5.2          | 1.0  | 1.5           | 43.3           | 1.8           | 2.0             | 1.0           | 14.8       |
| 5 Suwan 8027       | 7179  | 99             | 66           | 171        | 72        | 3.5          | 7.1          | 1.0  | 1.8           | 38.3           | 1.5           | 2.0             | 1.0           | 14.1       |
| 7 Across 7929      | 6967  | 96             | 67           | 167        | 69        | 1.4          | 5.2          | 1.0  | 1.8           | 35.8           | 1.8           | 2.0             | 1.0           | 15.1       |
| 3 La Maquina 8022  | 6793  | 94             | 67           | 167        | 67        | 3.8          | 7.7          | 1.0  | 1.0           | 31.3           | 1.5           | 1.3             | 1.1           | 13.8       |
| 4 Poza Rica 8024   | 6706  | 92             | 67           | 170        | 71        | 5.0          | 9.0          | 1.3  | 1.3           | 34.0           | 1.8           | 1.8             | 1.1           | 13.3       |
| 1 Across 7921      | 6584  | 91             | 68           | 167        | 70        | 5.2          | 3.3          | 1.0  | 1.3           | 28.3           | 1.3           | 1.5             | 1.1           | 14.8       |
| 6 Pichilingue 7928 | 6308  | 87             | 67           | 168        | 75        | 10.4         | 6.5          | 1.0  | 1.5           | 34.8           | 1.3           | 1.8             | 1.1           | 14.3       |
| 9 Across 8043      | 6107  | 84             | 69           | 180        | 74        | 1.9          | 11.6         | 1.0  | 1.0           | 23.3           | 1.0           | 1.3             | 1.0           | 15.6       |
| MEANS              | 6984  | 96             | 67           | 170        | 72        | 4.7          | 6.1          | 1.0  | 1.4           | 35.6           | 1.5           | 1.7             | 1.1           | 14.5       |
| MAXIMUM            | 8243  | 114            | 69           | 180        | 75        | 10.4         | 11.6         | 1.3  | 1.8           | 43.3           | 2.0           | 2.0             | 1.1           | 15.6       |
| MINIMUM            | 6107  | 84             | 66           | 162        | 67        | 1.1          | 0.0          | 1.0  | 1.0           | 23.3           | 1.0           | 1.3             | 1.0           | 13.3       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |      |               |                |               |                 |               |            |
| 13 LOCAL CHECK 2   | 7260  | -              | 66           | 159        | 76        | 10.2         | 0.6          | 1.0  | 1.8           | 44.0           | 2.0           | 2.0             | 1.1           | 14.3       |
| 12 LOCAL CHECK 1   | 6955  | -              | 67           | 169        | 71        | 3.3          | 4.6          | 1.0  | 1.3           | 38.3           | 1.3           | 1.8             | 1.1           | 13.8       |
| CHECK MEANS        | 7108  | -              | 66           | 164        | 73        | 6.8          | 2.6          | 1.0  | 1.5           | 41.1           | 1.6           | 1.9             | 1.1           | 14.1       |
| 5% LSD             | 831.2 |                | 1.7          | 8.6        | 7.2       |              |              |      |               | 5.7            |               |                 |               | 1.6        |
| C.V.               | 8.3   |                | 1.8          | 3.5        | 7.0       |              |              |      |               | 10.8           |               |                 |               | 7.8        |

TABLE: 153- EV-83

| EVT18A              | YEAR 1983 | BRAZIL         | PARANA     |           |              |
|---------------------|-----------|----------------|------------|-----------|--------------|
| CO-OPERATOR: OCEPAR |           |                |            |           |              |
| ENTRY NO./PEDIGREE  | KG/HA     | %BEST<br>CHECK | PLNT<br>M1 | EAR<br>HT | EARS<br>HARV |
| 10 Across 7728 RE   | 4751      | 136            | 245        | 135       | 50.3         |
| 6 Pichilingue 7928  | 4651      | 134            | 243        | 130       | 49.8         |
| 3 La Maquina 8022   | 4462      | 128            | 253        | 135       | 45.3         |
| 1 Across 7921       | 4437      | 127            | 243        | 135       | 43.5         |
| 8 Across 7936       | 4424      | 127            | 230        | 128       | 50.8         |
| 4 Poza Rica 8024    | 4349      | 125            | 246        | 130       | 49.3         |
| 5 Susan 8027        | 4286      | 123            | 230        | 115       | 51.3         |
| 7 Across 7929       | 4261      | 122            | 243        | 123       | 46.5         |
| 11 Across 7729 RE   | 4098      | 118            | 238        | 120       | 43.3         |
| 2 Guaymas (1) 8022  | 3984      | 114            | 240        | 128       | 40.8         |
| 9 Across 8043       | 3922      | 113            | 253        | 145       | 39.0         |
| MEANS               | 4330      | 124            | 242        | 129       | 46.3         |
| MAXIMUM             | 4751      | 136            | 253        | 145       | 51.3         |
| MINIMUM             | 3922      | 113            | 230        | 115       | 39.0         |
| CHECKS (TESTIGOS):  |           |                |            |           |              |
| 13 OCEPAR 300       | 3482      | -              | 208        | 103       | 34.3         |
| 12 OCEPAR 202       | 2966      | -              | 245        | 138       | 29.0         |
| CHECK MEANS         | 3224      | -              | 226        | 120       | 31.6         |
| 5% LSD              | 1057.6    |                | 21.1       | 21.1      |              |
| C.V.                | 17.7      |                | 6.1        | 11.5      |              |

TABLE: 154-EV-83

EVT18B      YEAR 1983      PHILIPPINES      BAYBAY

CO-OPERATOR: DR. K. K. SINGH, N.C. BELONIAS

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>MT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | HELM<br>MAYD | PLANTS<br>HARV | EAR<br>ASPECT | %BAD<br>H.C. | EAR<br>BORER | PLANT<br>ASPECT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|--------------|----------------|---------------|--------------|--------------|-----------------|------------|
| 1 Across 8023          | 1550  | 159            | 53           | 174        | 99        | 15.8         | 4.1          | 11.3        | 2.3          | 39.5           | 3.3           | 13.8         | 2.8          | 2.5             | 22.6       |
| 2 Across 7926          | 1546  | 159            | 51           | 162        | 91        | 41.7         | 18.8         | 9.1         | 2.5          | 36.8           | 3.5           | 18.0         | 2.5          | 3.3             | 22.1       |
| 3 Ilonga (1) 7930      | 1269  | 130            | 50           | 176        | 94        | 8.1          | 1.8          | 8.1         | 2.8          | 40.8           | 3.5           | 12.9         | 2.8          | 3.0             | 19.4       |
| 8 Across 7726 RE       | 1197  | 123            | 52           | 176        | 99        | 21.3         | 9.6          | 11.4        | 3.0          | 36.0           | 3.3           | 14.5         | 3.0          | 2.8             | 19.7       |
| 6 Poza Rica 8032       | 1175  | 121            | 53           | 162        | 91        | 29.1         | 19.7         | 7.6         | 2.8          | 36.3           | 3.5           | 7.0          | 3.3          | 2.5             | 25.9       |
| 4 Across 7930          | 1131  | 116            | 50           | 170        | 96        | 18.4         | 9.3          | 8.5         | 3.3          | 39.5           | 3.8           | 20.4         | 3.3          | 3.3             | 18.7       |
| 7 Poza Rica 8035       | 968   | 99             | 52           | 161        | 82        | 21.9         | 13.6         | 9.1         | 2.8          | 35.5           | 3.5           | 12.4         | 3.0          | 3.5             | 24.2       |
| 9 Pirsabak (1) 7930 RE | 772   | 79             | 51           | 161        | 88        | 38.2         | 24.6         | 16.4        | 2.8          | 36.8           | 3.8           | 12.2         | 3.3          | 3.8             | 23.6       |
| 5 Sete Lagoas 7931     | 720   | 74             | 51           | 165        | 88        | 17.4         | 29.2         | 11.1        | 2.8          | 35.8           | 3.8           | 18.7         | 3.5          | 3.3             | 26.8       |
| MEANS                  | 1148  | 118            | 51           | 167        | 92        | 23.5         | 14.5         | 10.3        | 2.8          | 37.4           | 3.5           | 14.4         | 3.0          | 3.1             | 22.6       |
| MAXIMUM                | 1550  | 159            | 53           | 176        | 99        | 41.7         | 29.2         | 16.4        | 3.3          | 40.8           | 3.8           | 20.4         | 3.5          | 3.8             | 26.8       |
| MINIMUM                | 720   | 74             | 50           | 161        | 82        | 8.1          | 1.8          | 7.6         | 2.3          | 35.5           | 3.3           | 7.0          | 2.5          | 2.5             | 18.7       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |              |              |             |              |                |               |              |              |                 |            |
| 11 PHIL. DMR COMP. 2   | 973   | -              | 53           | 174        | 96        | 26.0         | 11.3         | 8.8         | 2.5          | 32.0           | 3.8           | 6.6          | 3.8          | 3.8             | 21.8       |
| 10 TINIGIB             | 802   | -              | 60           | 132        | 51        | 10.4         | 2.8          | 5.7         | 2.5          | 36.8           | 2.8           | 4.8          | 3.0          | 3.8             | 26.1       |
| CHECK MEANS            | 888   | -              | 56           | 153        | 73        | 18.2         | 7.1          | 7.3         | 2.5          | 34.4           | 3.3           | 5.7          | 3.4          | 3.8             | 24.0       |
| 5% LSD                 | 845.7 |                | 1.8          | 14.0       | 9.0       |              |              |             |              | 7.0            |               |              |              |                 |            |
| C.V.                   | 53.2  |                | 2.3          | 5.9        | 7.1       |              |              |             |              | 13.2           |               |              |              |                 |            |

TABLE: 155-EV-83

EVT188 YEAR 1983 PHILIPPINES ILAGAN(3)

CO-OPERATOR: ANICIA C. FERNANDEZ I.E.S.

| ENTRY NO./PEDIGREE     | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|------------------------|-------|----------------|--------------|------------|-----------|----------------|---------------|------------|
| 8 Across 7726 RE       | 6907  | 88             | 57           | 202        | 106       | 40.3           | 1.0           | 11.8       |
| 6 Poza Rica 8032       | 6795  | 86             | 59           | 197        | 93        | 40.8           | 1.0           | 16.4       |
| 1 Across 8023          | 6336  | 81             | 57           | 197        | 93        | 40.5           | 1.0           | 14.6       |
| 7 Poza Rica 8035       | 6114  | 78             | 57           | 186        | 80        | 41.3           | 1.0           | 13.0       |
| 2 Across 7926          | 6029  | 77             | 56           | 196        | 83        | 41.5           | 1.0           | 12.9       |
| 9 Pirsabak (1) 7930 RE | 5676  | 72             | 49           | 195        | 93        | 41.3           | 1.0           | 11.6       |
| 4 Across 7930          | 5385  | 68             | 49           | 176        | 83        | 40.5           | 1.0           | 12.7       |
| 5 Sete Lagoas 7931     | 5155  | 66             | 49           | 188        | 85        | 40.8           | 1.0           | 11.2       |
| 3 Ilonga (1) 7930      | 5143  | 65             | 49           | 181        | 72        | 41.5           | 1.0           | 13.1       |
| MEANS                  | 5949  | 76             | 53           | 191        | 87        | 40.9           | 1.0           | 13.0       |
| MAXIMUM                | 6907  | 88             | 59           | 202        | 106       | 41.5           | 1.0           | 16.4       |
| MINIMUM                | 5143  | 65             | 49           | 176        | 72        | 40.3           | 1.0           | 11.2       |
| CHECKS (TESTIGOS):     |       |                |              |            |           |                |               |            |
| 11 PIONEER 6181        | 7862  | -              | 59           | 192        | 93        | 40.8           | 1.0           | 11.0       |
| 10 IPB VAR 1 (C6)      | 6648  | -              | 57           | 202        | 107       | 42.0           | 1.1           | 16.1       |
| CHECK MEANS            | 7255  | -              | 57           | 196        | 99        | 41.4           | 1.1           | 13.5       |
| 5% LSD                 | 722.9 |                | 1.3          | 14.7       | 16.0      | 2.1            |               | 3.1        |
| C.V.                   | 8.1   |                | 1.6          | 5.3        | 12.3      | 3.5            |               | 16.6       |

TABLE: 156-EV-83

| EVT20              | YEAR 1983 | BRAZIL         | CASCABEL   |           |              |
|--------------------|-----------|----------------|------------|-----------|--------------|
| CO-OPERATOR:OCEPAR |           |                |            |           |              |
| ENTRY NO./PEDIGREE | KG/HA     | %BEST<br>CHECK | PLNT<br>HT | EAR<br>HT | EARS<br>HARV |
| 3 Antalya 8045     | 4336      | 123            | 211        | 108       | 49.0         |
| 2 Across 7934      | 4186      | 119            | 225        | 115       | 48.5         |
| 7 Across 8047      | 4173      | 119            | 230        | 113       | 45.5         |
| 4 Across 8045      | 4072      | 116            | 210        | 100       | 50.5         |
| 6 Gemiza 8047      | 4010      | 114            | 215        | 120       | 46.5         |
| 10 Across 7734 RE  | 3802      | 108            | 225        | 120       | 46.0         |
| 1 Yousafwala 8033  | 3343      | 95             | 200        | 103       | 44.8         |
| 5 tlaltizapan 8046 | 3306      | 94             | 191        | 95        | 54.3         |
| 11 Across 7748 RE  | 3306      | 94             | 210        | 108       | 46.5         |
| 9 Across 7948      | 3281      | 93             | 194        | 85        | 47.5         |
| 8 Quilamapu 7948   | 3205      | 91             | 193        | 90        | 43.8         |
| MEANS              | 3729      | 106            | 209        | 105       | 47.5         |
| MAXIMUM            | 4336      | 123            | 230        | 120       | 54.3         |
| MINIMUM            | 3205      | 91             | 191        | 85        | 43.8         |
| CHECKS (TESTIGOS): |           |                |            |           |              |
| 12 OCEPAR 202      | 3519      | -              | 265        | 140       | 31.5         |
| 13 OCEPAR 300      | 3318      | -              | 219        | 110       | 33.0         |
| CHECK MEANS        | 3419      | -              | 241        | 125       | 32.3         |
| 5% LSD             | 644.5     |                | 20.1       | 15.4      |              |
| C.V.               | 12.2      |                | 6.5        | 9.9       |              |

TABLE: 157-EV-83

EVT20 YEAR 1983

BRAZIL

PARANA

CO-OPERATOR:OCEPAR

| ENTRY NO./PEDIGREE | KG/HA | %BEST<br>CHECK | DAYS<br>SILK | PLNT<br>HT | EAR<br>HT | STEM<br>LODG | ROOT<br>LODG | %EAR<br>ROT | PLANTS<br>HARV | EARS/<br>PLNT | MOIST<br>% |
|--------------------|-------|----------------|--------------|------------|-----------|--------------|--------------|-------------|----------------|---------------|------------|
| 2 Across 7934      | 3822  | 97             | 74           | 156        | 81        | 3.7          | 1.0          | 2.1         | 48.0           | 1.0           | 24.2       |
| 10 Across 7734 RE  | 3523  | 90             | 75           | 165        | 88        | 4.2          | 1.7          | 6.0         | 44.0           | 0.9           | 18.5       |
| 6 Gemiza 8047      | 3233  | 82             | 73           | 146        | 75        | 2.7          | 0.0          | 6.1         | 45.8           | 0.9           | 22.1       |
| 3 Antalya 8045     | 3226  | 82             | 71           | 143        | 70        | 4.3          | 3.8          | 2.2         | 46.3           | 1.0           | 22.5       |
| 7 Across 8047      | 3177  | 81             | 71           | 144        | 68        | 0.5          | 1.1          | 5.7         | 46.3           | 0.9           | 22.7       |
| 4 Across 8045      | 3001  | 76             | 69           | 136        | 69        | 2.7          | 1.0          | 6.3         | 46.5           | 0.9           | 21.6       |
| 1 Yousafwala 8033  | 2446  | 62             | 66           | 129        | 71        | 1.3          | 0.0          | 7.7         | 46.3           | 0.9           | 20.3       |
| 11 Across 7748 RE  | 2193  | 56             | 70           | 140        | 69        | 10.2         | 0.0          | 33.8        | 44.0           | 0.7           | 23.0       |
| 8 Quilanapu 7948   | 2025  | 52             | 68           | 141        | 64        | 17.6         | 0.0          | 44.8        | 40.3           | 0.7           | 21.8       |
| 9 Across 7948      | 2018  | 51             | 67           | 131        | 56        | 13.2         | 0.0          | 35.6        | 42.5           | 0.8           | 21.1       |
| 5 tlaltizapan 8046 | 1510  | 38             | 68           | 109        | 51        | 7.9          | 0.0          | 20.5        | 46.0           | 0.8           | 19.1       |
| MEANS              | 2743  | 70             | 70           | 140        | 69        | 6.2          | 0.8          | 15.5        | 45.1           | 0.9           | 21.5       |
| MAXIMUM            | 3822  | 97             | 75           | 165        | 88        | 17.6         | 3.8          | 44.8        | 48.0           | 1.0           | 24.2       |
| MINIMUM            | 1510  | 38             | 66           | 109        | 51        | 0.5          | 0.0          | 2.1         | 40.3           | 0.7           | 18.5       |
| CHECKS (TESTIGOS): |       |                |              |            |           |              |              |             |                |               |            |
| 13 OCEPAR 300      | 3927  | -              | 85           | 180        | 94        | 0.7          | 1.4          | 0.7         | 39.3           | 1.0           | 26.3       |
| 12 OCEPAR 202      | 3324  | -              | 85           | 180        | 105       | 1.8          | 1.3          | 0.7         | 34.5           | 1.0           | 22.5       |
| CHECK MEANS        | 3626  | -              | 85           | 180        | 99        | 1.2          | 1.3          | 0.7         | 36.9           | 1.0           | 24.4       |
| 5% LSD             | 445.4 |                | 6.1          | 14.9       | 14.9      |              |              |             | 6.0            |               | 1.8        |
| C.V.               | 10.8  |                | 5.9          | 7.1        | 14.0      |              |              |             | 9.5            |               | 5.8        |

