

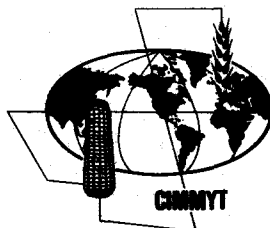
**RESULTS
OF
THE TWELFTH
INTERNATIONAL
TRITICALE
SCREENING
NURSERY**

ITSN 1980-81



**CENTRO INTERNACIONAL DE MEJORAMIENTO DE MAIZ Y TRIGO
INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER**
Londres 40, Apdo. Postal 6-641, 06600, México 6, D. F., México

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**GLOSSARY OF VARIABLE NAMES USED IN THE TABLES.
GLOSARIO DE LOS NOMBRES DE LAS VARIABLES USADOS EN LAS TABLAS.
GLOSSAIRE DES NOMS DES VARIABLES UTILISES DANS LES TABLEAUX.**

TABLE ABBREVIATION	VARIABLE NAME	NOMBRE DE LA VARIABLE	NOM DE LA VARIABLE
ALT BLT	Alternaria blight (0-9 scale)	Tizón por Alternaria (escala 0-9)	Alternaria (échelle 0-9)
ANT DMGE	Ant Damage percentage	Porcentaje de daño de hormigas	Dégâts dûs aux fourmis en pourcentage
APHD DMGE	Aphid damage percentage	Porcentaje de daño de áfidos	Dégâts dûs aux pucerons en pourcentage
ARMY WORM	Army worm percentage	Porcentaje de gusano cogollero	Chenille soldat en pourcentage
BACT STRP	Bacterial stripe (0-9 scale)	Rayado bacteriano (escala 0-9)	Rayée bacterienne (échelle 0-9)
BIRD DMGE	Bird damage percentage	Porcentaje de daño de pájaros	Dégâts dûs aux oiseaux en pourcentage
BYDV	Barley yellow dwarf virus (0-9 scale)	Enanismo amarillo de la cebada (escala 0-9)	Virose jaune de l'orge (échelle 0-9)
COVD SMUT	Covered smut percentage	Porcentaje de carbón cubierto	Charbon couvert en pourcentage
EARS/M ²	Ears per square meter	Espigas o mazorcas por metro cuadrado	Epis par mètre ²
FALL NO	Falling number (seconds)	Actividad alfa amilasa (segundos)	Activité du α -amylase (en secondes)
FERT %/o	Fertility percentage	Porcentaje de fertilidad	Fertilité en pourcentage
FLOW DAYS	Number days to flower	Días a floración	Nombre de jours a la floraison
FRST DMGE	Frost damage percentage	Porcentaje de daño por heladas	Dégâts par la gelée en pourcentage
FUS NIV	Fusarium nivale spot	Mancha foliar (Fusarium nivale)	Tache de la feuille (Fusarium nivale)
FUS WILT	Fusarium wilt percentage	Porcentaje de marchitez por Fusarium	Fusarium en pourcentage
GERM %/o	Germination percentage	Porcentaje de germinación	Germination en pourcentage
HAIL DMGE	Hail damage percentage	Porcentaje de daño por granizo	Dégâts dûs à la grêle en pourcentage
HELM	Helminthosporium (0-9 scale)	Helminthosporium (escala 0-9)	Helminthosporium (échelle 0-9)
HELM TERES	Leaf spot Helminthosporium teres	Mancha foliar (Helminthosporium teres)	Tache de la feuille (Helminthosporium teres)
KERN APP	Kernel appearance	Apariencia del grano	Apparence du grain
LEAF FIRE	Leaf fire (0-9 scale)	Tizón foliar (escala 0-9)	Sécheresse des feuilles (échelle 0-9)
LEAF RUST	Leaf rust (Cobb scale)	Roya de la hoja (escala de Cobb)	Rouille brune (échelle de Cobb)
LEAF RUST/P. HORDEI	Barley leaf rust (Puccinia hordei)	Roya de la hoja (cebada)	Rouille brune de l'orge
LODG %/o	Lodging percentage	Porcentaje de acame	Versé en pourcentage
LSE SMUT	Loose smut percentage	Porcentaje de carbón volador	Charbon nu en pourcentage
MAT DAYS	Number days to maturity	Número de días a la madurez	Nombre de jours à la maturation
MST %/o	Moisture percentage	Porcentaje de humedad	Humidité en pourcentage
NECK BRK	Neck break percentage	Porcentaje de rotura del cuello	Cassure du pédoncule en pourcentage
NET BLOT	Net blotch (0-9 scale)	Mancha reticular (escala 0-9)	Helminthosporium de l'orge (échelle 0-9)
PLNT DENS	Plant density (stems/square meter)	Densidad de plantas (tallos/metro cuadrado)	Population des plantes (tiges/mètre ²)
PLNT HT	Height (cm)	Altura (cm)	Hauteur (cm)
PLNT WT	Plant weight (grams)	Peso de la planta (gramos)	Poids de la plante (grames)
POWD %/o	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %/o	Protein percentage	Porcentaje de proteína	Protein en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Putréfaction du maïs en pourcentage
SCAB %/o	Scab percentage	Porcentaje de roña	Fusarium de l'épi en pourcentage
SCLD %/o	Scald percentage	Porcentaje de escaldadura	Rhynchosporium en pourcentage
SDMT INDX	Sedimentation index (cc)	Índice de sedimentación (cc)	Indice de sédimentation (cc)
SEED TYPE	Seed type (L=large, M=medium, S=small)	Tipo de semilla (L=grande, M=mediano, S=pequeño)	Type de grain (L=large, M=moyen, S=petit)
SEPT NODO	Septoria nodorum (0-9 scale)	Septoria nodorum (escala 0-9)	Septoria nodorum (échelle 0-9)
SEPT SPP.	Septoria spp. (0-9 scale)	Septoria spp. (escala 0-9)	Septoria spp. (échelle 0-9)
SEPT TRIT	Septoria tritici (0-9 scale)	Septoria tritici (escala 0-9)	Septoria tritici (échelle 0-9)
SHTR %/o	Shattering percentage	Porcentaje de desgrane	Chute de grains en pourcentage
SMLS SMUT	Semi-loose smut percentage	Porcentaje de carbón semi-volador	Charbon semi-nu en pourcentage
SPOT BLOT	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
SPOT BLOTCH/HELM SATV	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
STEM RUST	Stern rust (Cobb scale)	Roya del tallo (escala de Cobb)	Rouille noire (échelle de Cobb)
STRP RT.H	Stripe rust (head) percentage	Porcentaje de roya lineal (espiga)	Rouille jaune sur l'épi en pourcentage
STRP RT. L	Stripe rust (leaf) (Cobb scale)	Roya lineal (hoja) (escala de Cobb)	Rouille jaune sur feuilles (échelle de Cobb)
TEST WT	Test weight (kg/hi)	Peso hectolítrico (kg/hi)	Poids spécifique (kg/hi)
1000 G.W.	1000 grain weight (grams)	Peso de 1000 granos (gramos)	Poids de 1000 grains (grames)
YELL BERR	Yellow berry percentage	Porcentaje de panza blanca	Mitadinage en pourcentage
YIELD KG/HA	Yield kg/ha	Rendimiento kg/ha	Rendement kg/ha

RESULTS OF THE 12TH INTERNATIONAL TRITICALE SCREENING NURSERY

(ITSN) 1980-81

The 12th International Triticale Screening Nursery (ITSN) was sent in September, 1980 to be grown by cooperators in their spring season of 1981. One hundred and forty-five nurseries went to cooperators in 77 countries. The 285 advanced lines and checks in the nursery had been chosen from among CIMMYT's best materials. All had been grown and observed by CIMMYT scientists under a high yield environment with pressure from major diseases on the CIANO Experiment Station in the Yaqui Valley in northwest Mexico. Here, too, seed for this international nursery was multiplied, cleaned and treated with insecticide and organic fungicide before shipment.

Instructions on nursery management accompanied the mailing of seeds of each cooperator. Enough seed from each line was provided for a single row, unreplicated, of at least 2 m. in length. A field book was included with each nursery set, providing a standard format for recording data desired by CIMMYT. In receiving and processing the data returned by cooperators, CIMMYT assumes that the nursery was properly handled and that accurate results were reported. We cannot, however, attest to the rigor with which the trials were grown and results were obtained.

Fifty-eight of the cooperators receiving the 12th ITSN returned field books with performance data at their locations in time to be included in this report. The choice of variables measured and the data returned rests with the individual cooperator. We have included in this summary all measures of all variables reported to us. The number of observations differs from variable to variable. The reader is urged to note the "NOBS" entry at the head of each variable column in the table that reports all data for all lines—that tells how many observations went into the data reported in that column, which may be an important indicator of the level of credibility that should be conferred. The reader should also bear in mind that the yield reported is from a single plot, essentially grown for observation rather than as a rigorous, replicated yield trial.

Presentation of Results

So that data in this report will be of optimal use to the reader, we present the results in three forms:

1. One *international summary*, listing the sites from which data were returned, with notations of all variables recorded and reported.
2. A table reporting the *mean of all observations* for each variable measured for each line in the nursery.
3. Selected tables reporting the *best performance by individual lines* on major variables, usually the top 5 to 10 percent. The table of contents lists all variables reported in this way.

Cooperators were asked to use agronomic and disease reporting methodology as described in CIMMYT's Information Bulletin 38. Data reported are simple means computed from those supplied by the cooperators. Data on rusts recorded by the modified Cobb scale were converted to average coefficient of infection (ACI) as explained in the yearly report of the United States Department of Agriculture International Spring Wheat Rust Nursery.

Feedback

Feedback of two kinds from cooperators is vital to the quality of this and other CIMMYT international nursery reports: First, the prompt return of carefully recorded data from each and every trial site; second, identification of errors that become part of our cooperator's station file. We ask for feedback of both kinds.

Table 1. Locations from which data were reported, with variables reported

LOCATION	CONTINENT	COUNTRY	AREA	VARIABLES INCLUDED
14	AFRICA	KENYA	RIFT VALLEY	3 5 0
27	AFRICA	SOUTH AFRICA	ORANGE FREE STATE	1 3 7 9
29	AFRICA	SUDAN	GEZIRA	1 3 4 9
35	AFRICA	TUNISIA	TUNIS	1 3 9
41	ASIA	AFGHANISTAN	KABUL	1 3 5 9
59	ASIA	PAKISTAN	N. W. FRONTIER PROV	1 3 9 10 25 41
74	EUROPE	GREECE	THESSALONIKI	1 3 9
80	EUROPE	POLAND	DANKOW	1 2 3 9 10 13
85	EUROPE	ROMANIA	ILFOV	25
88	EUROPE	SPAIN	ALCALA DE HENARES	1 3 9 25
89	EUROPE	SPAIN	CORDOBA	1 3 9 40
107	MIDDLE EAST	LEBANON	BEKA'A VALLEY	1 3 9
112	MIDDLE EAST	TURKEY	SAKARYA	7 9 14 15
121	NORTH AMERICA	CANADA	MANITOBA	1 3 4 9
122	NORTH AMERICA	CANADA	P. E. I.	3 9 16
128	NORTH AMERICA	MEXICO	EDO DE MEXICO	1 2 3 7 9 44
129	NORTH AMERICA	MEXICO	EDO DE MEXICO	1 2 3 4 7 9
131	NORTH AMERICA	MEXICO	SINALOA	7
133	NORTH AMERICA	MEXICO	SONORA	1 2 3 7 9
143	NORTH AMERICA	U. S. A.	SOUTH DAKOTA	3 7 9
158	SOUTH AMERICA	BOLIVIA	COCHABAMBA	1 3 9
161	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1 2 7 14 36
162	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1 2 3 9 36
168	SOUTH AMERICA	CHILE	SANTIAGO	1 3 9 22
238	EUROPE	HUNGARY	KECSKEMET	1 3 9
244	EUROPE	POLAND	BLONIE	1 5 7 9 10 15 16
258	MIDDLE EAST	ISRAEL	BET DAGAN	1 3 9
265	NORTH AMERICA	MEXICO	CHIHUAHUA	1 3 9
270	NORTH AMERICA	U. S. A.	GEORGIA	1 3 9
302	SOUTH AMERICA	PERU	CAJAMARCA	1 3 6 7 9

Table 1. (cont.)

310	EUROPE	SPAIN	CADIZ	1	3	9								
323	ASIA	PHILIPPINES	LUZON	1	3	9	41							
329	NORTH AMERICA	MEXICO	TAMAULIPAS	7										
330	AFRICA	ZAIRE		1	3	9								
350	SOUTH AMERICA	PARAGUAY	CACUPE	7										
351	NORTH AMERICA	MEXICO	TLAXCALA	1	2	3	9	44						
354	NORTH AMERICA	MEXICO	NUEVO LEON	1	3	9								
363	MIDDLE EAST	SYRIA	ALEPPO	1	3									
383	ASIA	AFGHANISTAN		1										
386	ASIA	BANGLADESH	JAMALPUR	1	3	4	7	9						
389	EUROPE	EAST GERMANY	SCHWERIN	1	3	9								
394	EUROPE	W. GERMANY	BADEN-WUTTEMBERG	1	2	3	9	13						
421	AFRICA	TANZANIA	IRINGA	1	3	9	10	15	16					
449	AFRICA	BOTSWANA	BARO LONG	1	3	9								
453	AFRICA	ANGOLA	HUAMBO	1	3	9								
455	EUROPE	ROMANIA		1	3	4	9	10	14	15				
457	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1	3	9	10							
461	AFRICA	ZAIRE	KIVU	1	3	9								
462	S. AMERICA	ARGENTINA	LA PAMPA	1	3	9	10							
468	ASIA	BANGLADESH	MYMENSINGH	1	3	9								
472	EUROPE	SPAIN	BADAJOS	1	2	3	4	9						
476	ASIA	BURMA	SOUTHERN SHAN STATE	1	3	9	11							
477	EUROPE	NORWAY		1	3	9	14							
478	AFRICA	BOTSWANA		1										
484	NORTH AMERICA	CANADA	QUEBEC	1										
485	EUROPE	ITALY	CASACCIA	1	2									
489	SOUTH AMERICA	PERU	CUSCO	1	3	5	8	9	15	45				
492	SOUTH AMERICA	PERU	AREQUIPA	1	3	9	13	42	45					

*VARIABLE IDENTIFICATIONS

1	YIELD	KG/HA	2	TEST	WT	3	FLOW	DAYS	4	MAT	DAYS	5	STRP	RT. L
6	STRP	RT. H	7	LEAF	RUST	8	STEM	RUST	9	PLNT	HT	10	LODC	%
11	SHTR	%	13	1000	G. W.	14	POND	%	15	SEPT	TRIT	16	SEPT	NODD
22	LEAF	FIRE	25	FRST	DMGE	36	SCAB	%	40	BYDV		41	HELM	
42	GERM	%	44	BACT	STRP	45	EARS	/M2						

Table 2. Summary of means of all variables

VTY NO	VARIETY OR CROSS AND PEDIGREE	NOBS:									
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)	
		YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	STRP RT. H	LEAF RUST	STEM RUST	PLNT HT	
1	CANANEA 79	3975.2	62.8	82.6	142.8	0.3	0.0	5.2	2.5	92.8	
2	CABORCA 79	3736.2	66.5	82.5	145.2	0.0	0.0	0.4	5.5	86.4	
3	RAHUM	3573.1	64.3	82.5	145.0	0.0	10.0	2.4	15.5	93.0	
4	BEAGLE	3933.0	64.5	86.8	146.5	0.0	0.0	9.6	10.8	107.8	
5	BACUM	3461.4	67.5	79.9	145.0	0.2	0.0	10.9	0.0	89.8	
6	SETTER	3754.2	64.6	89.5	147.0	0.0	0.0	6.5	10.9	92.8	
7	LINCE	3465.0	62.3	82.6	142.8	0.0	0.0	6.9	20.0	89.6	
8	ARABIAN	3725.7	65.6	83.2	144.7	0.0	5.0	13.3	0.9	85.3	
9	BURA"S"	3762.5	67.4	82.1	141.3	0.0	0.0	1.1	2.5	87.0	
10	M2A-IRA X11923-58M-1Y-3Y-3M-1Y-2M-1Y-0M	3343.3	65.7	83.8	144.3	0.0	0.0	1.4	0.6	88.4	
11	M2A-IA X12665-11Y-3Y-9M-1Y-1M-100Y-0M	3766.5	66.1	88.7	145.7	0.0	0.0	0.3	0.0	90.7	
12	IRA-M2A X12937-8-1Y-1Y-4M-0Y	3477.8	62.2	81.3	141.8	0.0	-----	6.1	0.5	87.2	
13	CAMEL"S"-SONALIKA X14667-3Y-2Y-1M-3Y-1B-4Y-0B	3312.2	66.1	86.5	144.7	0.0	0.0	5.4	0.5	96.1	
14	CAMEL"S"-SONALIKA X14667-3Y-2Y-1M-3Y-5Y-1B-1Y-2B-0Y	3511.3	68.3	87.4	143.5	0.0	0.0	6.2	0.6	100.8	
15	DELFIN 205	4265.0	69.2	85.5	149.0	0.0	0.0	10.7	0.5	109.2	
16	MUSKDX"S" X15570-1Y-0M-0Y-100M-0Y	3149.9	66.0	89.9	151.2	0.0	0.0	6.1	0.5	104.9	
17	MUSKDX"S" X15570-1Y-1B-100B-0Y	4070.6	66.0	90.5	151.2	0.0	0.0	3.3	0.5	111.5	
18	MUSKDX"S" X15570-5M-1Y-1M-3Y-0M	4066.5	63.8	89.0	148.8	0.0	0.0	1.9	0.5	101.7	
19	MUSKDX 32	3701.6	69.9	86.1	147.5	0.0	0.0	1.7	0.9	103.3	
20	BGL"S"-M2A X CIN X15673-A-1Y-2Y-8M-0Y	3963.9	65.6	81.1	140.6	0.0	0.0	8.0	0.5	103.8	
21	ZEBU"S"-FS3B1 X15667-5Y-3M-1Y-1M-1Y-1M-0Y	3304.5	67.8	84.4	146.7	0.0	0.0	9.2	3.0	107.6	
22	ZEBU"B"-FS3B1 X15667-5Y-3M-1Y-1M-1Y-2M-0Y	3627.2	69.2	84.1	146.2	0.0	0.0	7.7	3.5	107.0	
23	SHEPHERD"S" X15754-A-1Y-2M-1Y-2M-0Y	3362.1	68.5	81.5	141.8	0.0	0.0	0.4	16.0	88.5	
24	TOPD 1418	4491.1	66.4	88.7	149.0	0.0	0.0	0.2	2.5	101.1	
25	CANANEA 79	3415.2	63.1	83.4	142.2	0.0	0.0	5.2	10.0	94.9	
26	PAVON 76	3268.5	76.5	87.6	145.0	8.3	0.0	6.5	7.0	81.8	
27	BEAGLE	3925.9	63.5	86.6	150.0	0.0	15.0	11.8	25.4	107.5	
28	TOPD 1419	4162.4	63.5	88.5	150.2	0.0	0.0	1.2	0.9	100.8	
29	IA-M2A X15946-8Y-3Y-4M-2Y-1B-0Y	3676.2	66.0	84.0	142.3	0.0	0.0	0.7	0.7	94.3	
30	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-2B-0Y	4380.4	65.2	86.9	148.5	3.3	10.0	0.5	0.5	112.6	
31	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-3B-0Y	4094.4	66.0	86.4	147.3	3.5	20.0	0.4	0.0	106.9	
32	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-2B-1Y-1M-0Y	4320.0	64.3	86.3	147.8	0.0	0.0	0.3	0.0	107.0	

Table 2. (cont.)

VTY	LDDG %	SHTR %	1000 G W	POWD %	SEPT TRIT	SEPT NDDO	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	CERM %	BACT STRP	EARS /M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
1	14.0	-----	41.4	0.0	46.6	72.3	5.0	29.7	11.0	80.0	28.0	90.0	44.0	248.0
2	12.3	-----	48.4	0.0	50.0	57.3	10.0	26.0	11.0	20.0	5.5	90.0	33.0	218.5
3	17.4	-----	40.0	0.0	48.8	57.3	10.0	26.0	11.0	60.0	5.5	90.0	22.0	351.5
4	5.8	-----	52.1	0.0	39.8	53.7	1.0	26.0	11.0	20.0	28.0	85.0	22.0	296.0
5	14.6	-----	39.7	16.5	46.6	72.3	10.0	26.0	22.0	20.0	5.5	90.0	55.5	337.0
6	7.6	40.0	41.6	0.0	49.8	61.0	5.0	26.0	33.0	20.0	50.0	85.0	33.0	389.0
7	7.6	-----	40.0	11.0	55.5	57.3	1.0	29.7	44.0	20.0	28.0	85.0	11.0	290.5
8	3.7	20.0	43.1	0.0	44.4	65.0	5.0	26.0	44.0	20.0	5.5	90.0	22.0	248.0
9	5.8	-----	38.7	0.0	39.8	58.0	5.0	29.7	11.0	0.0	5.5	90.0	33.0	377.5
10	3.7	-----	40.2	0.0	57.8	72.3	5.0	26.0	33.0	60.0	28.0	90.0	44.0	222.0
11	11.0	-----	45.0	0.0	51.0	57.3	1.0	29.7	33.0	0.0	44.5	60.0	22.0	244.5
12	7.7	40.0	40.0	28.0	62.2	80.3	1.0	33.3	22.0	0.0	28.0	45.0	52.0	285.0
13	3.7	40.0	41.7	11.0	46.6	57.3	1.0	29.3	44.0	60.0	33.5	90.0	44.0	249.5
14	20.9	40.0	42.7	0.0	58.5	61.0	5.0	22.3	33.0	20.0	67.0	60.0	56.0	294.5
15	7.9	-----	46.6	0.0	55.6	73.0	5.0	22.3	11.0	0.0	89.0	60.0	11.0	370.5
16	7.2	-----	49.2	0.0	50.0	57.3	1.0	22.3	56.0	20.0	28.0	85.0	44.0	305.5
17	13.8	-----	51.1	0.0	33.3	53.7	1.0	18.7	56.0	0.0	78.0	85.0	-----	285.0
18	19.3	-----	47.4	0.0	47.3	61.0	5.0	33.3	67.0	0.0	50.0	90.0	56.0	224.0
19	9.0	-----	48.4	0.0	35.8	53.7	5.0	22.3	33.0	0.0	28.0	90.0	33.0	342.5
20	16.2	-----	48.1	0.0	55.8	57.3	1.0	33.3	22.0	0.0	28.0	90.0	22.0	248.0
21	9.3	-----	48.8	0.0	38.8	53.7	1.0	33.3	11.0	20.0	28.0	90.0	11.0	198.0
22	3.7	-----	49.5	0.0	46.8	57.3	5.0	37.0	22.0	0.0	50.0	90.0	22.0	309.0
23	12.4	-----	38.3	0.0	51.2	53.7	5.0	32.7	22.0	0.0	28.0	85.0	33.0	372.0
24	19.6	-----	47.7	0.0	49.0	53.7	1.0	33.3	89.0	0.0	78.0	90.0	33.0	253.5
25	13.9	-----	40.8	0.0	44.2	69.0	1.0	26.0	33.0	20.0	28.0	70.0	22.0	325.5
26	17.5	-----	43.6	50.3	62.2	69.0	10.0	42.7	89.0	0.0	28.0	85.0	22.0	361.0
27	9.5	-----	50.1	0.0	37.6	53.7	5.0	22.3	11.0	0.0	28.0	60.0	22.0	246.5
28	15.1	-----	47.4	0.0	40.0	53.7	5.0	26.0	73.5	0.0	78.0	70.0	33.0	244.5
29	21.4	-----	40.4	0.0	64.0	69.0	1.0	37.0	22.0	0.0	33.5	80.0	33.0	233.0
30	13.7	-----	50.4	0.0	28.8	50.0	1.0	40.7	22.0	0.0	0.0	80.0	22.0	327.5
31	13.6	-----	48.5	0.0	39.8	53.7	1.0	26.0	11.0	0.0	28.0	90.0	22.0	253.5
32	10.7	-----	48.4	0.0	35.4	53.7	1.0	26.0	11.0	0.0	0.0	90.0	11.0	249.5

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	NDBS	YIELD	TEST	FLOW	MAT	STRP	STRP	LEAF	STEM	PLNT
			KG/HA	WT	DAYS	DAYS	RT L	RT H	RUST	RUST	HT
			(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
33	IRA-NURI"S" X BGL"S" X16237-32Y-4Y-5M-1Y-1B-1Y-1M-OY		3154.4	67.3	82.5	141.5	0.0	0.0	4.5	0.5	93.0
34	IA-M2A X P162/BGL X16304-500B-501Y-506B-OY		4459.6	69.9	85.9	149.2	0.0	0.0	9.8	0.0	112.4
35	CIN-P162 X PATO-BGL X16350		3849.3	69.3	88.0	148.0	0.0	0.0	4.3	0.5	104.1
36	M2A-UP301 X BGL X16378		3944.1	64.4	86.4	147.2	0.0	0.0	4.6	0.0	110.4
37	IA-P162 X17075-23Y-1Y-1B-2Y-5B-1Y-1B-OY		3216.7	64.3	84.8	144.0	0.0	0.0	4.0	0.9	89.6
38	M2A-BGL"S" X18330-3M-2Y-2M-1Y-2M-OY		3871.1	66.8	90.0	150.7	0.0	0.0	9.9	2.5	98.3
39	IRA-M2A X IRA-PS3854 X18640-A-1Y-5M-5Y-1M-1Y-1M-OY		3119.7	64.8	82.9	142.0	0.0	0.0	14.9	15.8	88.8
40	BEAGLE"S"-BGC X18705-10M-5Y-1M-2Y-1M-OY		4091.9	68.3	87.8	147.3	0.0	0.0	4.4	5.0	99.5
41	FO"S"-SPY X NV"S" X19188-100Y-2Y-1M-OY		3201.0	65.7	84.0	142.8	0.0	0.0	5.9	2.9	89.6
42	PO"S"-CENT BULK X ABN X19260-100Y-2M-1Y-0M		3782.5	63.4	84.2	142.7	0.0	0.0	0.1	5.5	89.0
43	RM"S" X IA-CIN X19401-2KE-OKE-1Y-0B		3299.4	66.4	83.2	142.5	0.0	0.0	4.1	5.0	87.9
44	JUANILLO 90		4468.5	67.3	86.0	148.8	1.0	0.0	15.9	10.5	111.0
45	JUANILLO 100		4575.4	66.2	86.9	149.0	1.5	0.0	14.4	11.0	112.1
46	JUANILLO 207		4498.6	66.5	86.0	149.5	1.0	0.0	10.1	5.5	111.8
47	RM X H277.69-UMX2(2) X22107-100Y-1M-2Y-3M-4Y-0M		3730.8	63.4	82.7	145.5	0.0	10.0	0.8	10.3	93.8
48	BGL"S"/BGL"B" X ITA-LED X22551-100Y-100Y-13M-1Y-1M-OY		4116.1	62.8	89.2	152.5	0.0	0.0	1.3	0.0	101.5
49	POLAR"S" X22591-100Y-101Y-4M-1Y-0M		3492.6	67.8	81.0	143.7	0.0	0.0	6.6	2.5	89.7
50	CABORCA 79		3785.9	65.2	82.2	144.5	0.0	0.0	0.1	2.6	87.2
51	RAHUM		3232.1	62.3	83.0	145.7	0.0	0.0	0.5	17.5	94.2
52	YR"R"-HRENS X M2A X22725-1M-2Y-1M-2Y-0M		3617.3	68.8	84.2	145.8	0.0	0.0	0.3	20.0	94.2
53	NV-M1A X23646-7Y-7M-2Y-0M		3597.6	65.8	80.0	142.5	0.0	0.0	0.4	11.0	82.9
54	M2A-BULK E2 X NV"S" X24207-3Y-1M-3Y-2M-1Y-0M		3322.2	68.2	82.3	142.8	0.0	0.0	0.4	10.7	88.5
55	M2A-BULK E2 X CML"S" X24209-3Y-1M-5Y-1M-2Y-0M		3604.2	66.2	85.8	144.7	0.0	0.0	0.7	5.0	94.7
56	M2A-BUNNY X24312-1M-1Y-1M-1Y-1M-OY		3233.3	65.9	84.1	143.5	0.0	0.0	1.0	0.0	84.7
57	ABN"R"-M1A X24319-1Y-4M-2Y-0M		4178.7	64.3	83.9	144.8	0.0	0.0	1.5	20.0	89.7
58	CIN-ABN"S" X24345-2M-1Y-1M-1Y-1M-OY		3114.4	67.1	84.0	142.7	0.0	0.0	12.8	3.0	87.8
59	CIN-ABN"S" X24345-2M-1Y-1M-1Y-2M-OY		3380.5	67.1	84.0	143.5	0.0	0.0	14.2	5.0	86.3
60	FS1795-LINCE X24369-4H-1Y-1M-1Y-0M		4345.9	70.1	87.2	149.2	0.0	0.0	7.6	0.5	110.2
61	M1A-FS477 X24401-B-1Y-3M-1Y-2M-4Y-1M-OY		3474.2	66.9	87.0	147.5	0.0	0.0	0.2	0.5	89.0
62	CHIVA"S" X24551-8Y-3M-1Y-0M		3630.7	66.7	85.1	144.2	0.0	0.0	7.0	10.3	87.5

Table 2. (cont.)

VTY	LODC %	SHTR %	1000 G W	POMD %	SEPT TRIT	SEPT NODO	LEAF FTRE	FRST DMCE	SLAB %	BYDV	HELM	GERM %	BACT STRP	EARS M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
33	14.0	-----	43.2	0.0	52.8	73.0	1.0	29.7	33.0	20.0	5.5	90.0	11.0	236.5
34	24.9	-----	56.1	0.0	44.5	50.0	5.0	41.0	33.0	0.0	56.0	90.0	22.0	226.0
35	12.1	-----	50.7	0.0	48.8	57.3	1.0	22.3	22.0	0.0	67.0	90.0	56.0	205.0
36	10.6	-----	54.3	0.0	31.0	61.7	1.0	29.7	44.0	0.0	56.0	90.0	44.0	252.0
37	15.2	-----	41.1	0.0	49.8	53.7	1.0	26.0	22.0	60.0	5.5	85.0	33.0	281.5
38	3.7	-----	52.9	0.0	24.2	57.3	1.0	26.0	-----	40.0	44.5	90.0	33.0	205.5
39	3.7	40.0	42.5	0.0	57.8	80.3	1.0	39.7	44.0	40.0	28.0	80.0	22.0	296.0
40	12.8	-----	45.2	0.0	42.0	58.0	1.0	22.3	22.0	0.0	5.5	85.0	22.0	333.0
41	23.1	-----	40.2	0.0	35.6	68.7	10.0	40.7	22.0	60.0	50.0	90.0	22.0	255.5
42	12.4	-----	42.2	11.0	51.2	76.7	10.0	54.0	44.0	80.0	5.5	85.0	22.0	255.5
43	19.7	30.0	46.7	11.0	62.2	80.3	1.0	37.0	33.0	40.0	11.0	90.0	44.0	229.5
44	23.0	-----	44.2	0.0	38.8	53.7	1.0	37.0	68.0	0.0	44.5	95.0	33.0	324.0
45	22.7	-----	46.8	0.0	19.3	53.7	1.0	26.0	68.0	0.0	44.5	95.0	33.0	281.0
46	29.9	-----	51.5	0.0	38.8	53.7	1.0	37.0	56.0	0.0	56.0	85.0	33.0	212.5
47	27.4	-----	44.0	0.0	59.3	50.0	1.0	37.0	33.0	20.0	28.0	90.0	33.0	316.5
48	20.7	-----	52.0	0.0	44.3	53.7	5.0	29.7	33.0	0.0	28.0	90.0	33.0	201.5
49	11.3	-----	38.4	0.0	64.0	76.0	10.0	33.3	11.0	80.0	5.5	90.0	22.0	377.5
50	9.5	-----	39.7	0.0	74.3	50.0	10.0	29.7	22.0	40.0	5.5	90.0	44.0	303.5
51	11.2	-----	41.1	0.0	55.5	61.0	10.0	33.3	11.0	0.0	28.0	20.0	44.0	148.0
52	18.3	-----	42.8	0.0	52.8	57.3	10.0	22.3	33.0	0.0	28.0	75.0	33.0	327.5
53	17.3	-----	38.9	0.0	74.3	69.3	5.0	32.7	33.0	20.0	22.0	85.0	73.0	333.0
54	16.5	20.0	40.2	0.0	61.3	65.0	1.0	41.0	22.0	20.0	28.0	80.0	66.5	274.0
55	12.8	-----	43.2	0.0	41.5	65.3	1.0	26.0	11.0	40.0	28.0	90.0	33.0	272.0
56	14.7	30.0	40.0	0.0	63.0	61.0	1.0	37.0	22.0	0.0	5.5	75.0	56.5	213.0
57	14.7	-----	40.5	0.0	58.5	61.7	5.0	29.7	22.0	40.0	5.5	90.0	33.0	272.0
58	18.2	-----	39.0	0.0	64.0	61.0	5.0	26.0	44.0	60.0	33.5	85.0	33.0	183.0
59	16.3	15.0	38.9	0.0	66.8	61.0	5.0	40.0	33.0	20.0	5.5	60.0	44.0	270.5
60	12.3	-----	51.8	0.0	36.0	53.7	1.0	22.3	67.0	0.0	28.0	70.0	33.0	270.0
61	32.0	30.0	39.0	11.0	70.7	61.0	5.0	18.3	33.0	0.0	0.0	85.0	33.0	305.5
62	24.5	-----	40.0	0.0	51.7	61.0	5.0	29.7	22.0	20.0	0.0	85.0	22.0	222.0

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	YIELD KG/HA	TEST HT	FLOW DAYS	MAT DAYS	STRP RT L	STRP RT H	LEAF RUST	STEM RUST	PLNT HT
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
63	BVR"S"-ABN"R" X24560-9Y-3M-1Y-0M	4275.5	66.4	82.6	144.5	0.0	0.0	3.4	0.7	89.7
64	M2A-RM X24706-1KE-2Y-1B-0Y	3636.1	63.4	85.1	145.5	0.0	0.0	11.3	5.5	84.8
65	ABN-HDRK X25448-2B-3Y-2B-1Y-1B-0Y	3522.9	64.3	81.9	143.0	0.0	0.0	6.8	2.5	89.2
66	ABN-HDRK X25448-2B-3Y-2B-1Y-2B-0Y	3284.9	65.7	83.1	132.3	0.0	0.0	0.7	2.5	87.6
67	ABN-SAPSUCKER"S" X25449-1B-3Y-2B-3Y-2B-0Y	3889.2	66.0	83.7	144.0	0.0	0.0	0.5	3.0	87.6
68	ABN-SAPSUCKER"S" X25449-2B-3Y-2B-1Y-0B	3728.7	63.6	84.0	143.3	0.0	0.0	0.2	7.6	88.2
69	BGL"S"-PJ62 X NV"R" X25664-A-1Y-4B-2Y-1B-0Y	3525.4	65.2	82.9	145.3	0.0	0.0	0.4	20.1	88.6
70	IRA-KAL X ABN X25697-B-1Y-1B-1Y-1B-1Y-0B	3354.7	63.3	85.9	144.3	0.0	0.0	3.7	0.5	85.7
71	IRA-KAL X ABN X25697-B-1Y-1B-1Y-3B-0Y	3576.5	64.1	85.8	144.8	0.0	0.0	0.3	0.5	87.6
72	T107.1B-M2A X M2A X25723-B-1Y-5M-1Y-0M	3865.4	66.5	87.7	144.3	0.0	0.0	0.1	2.5	94.7
73	M2A-RM X27342-13Y-1M-0Y	3683.2	63.9	83.1	143.8	0.0	0.0	0.4	26.0	90.6
74	BGL"S"-ADDAX X27407-1H-1Y-1M-1Y-1M-0Y	4409.9	66.6	90.4	157.2	3.0	0.0	1.2	5.0	97.1
75	BACUM	2624.7	64.4	84.2	144.5	0.0	0.0	19.0	1.5	85.7
76	ARABIAN	3103.7	62.1	85.5	145.2	0.0	0.0	22.0	2.5	83.7
77	NACDZARI 76	3532.3	71.6	85.1	138.2	18.3	60.0	13.4	19.0	75.2
78	LINCE-ABN"S" X27605-11M-1Y-1M-1Y-0M	3809.9	66.1	84.1	144.7	0.0	0.0	8.3	30.0	84.3
79	LINCE-ABN"S" X27605-11M-1Y-1M-1Y-2M-0Y	3681.0	66.3	83.9	144.3	0.0	0.0	9.0	30.5	85.7
80	LINCE-ABN"S" X27605-11M-1Y-1M-1Y-3M-0Y	3519.2	68.0	82.5	143.5	0.0	0.0	6.7	35.0	85.5
81	YE 75 X IRA-CML X27647-7H-4Y-1M-1Y-2M-0Y	3462.7	67.8	83.1	144.0	0.0	0.0	5.3	25.0	86.5
82	ABN X TEJON-IRA X27673-2KE-1Y-4B-4Y-0B	3085.1	65.1	82.7	145.7	0.0	0.0	1.7	0.0	87.0
83	QOGUI (IA-M2A X PI62/BGL"S") X27807-7H-1Y-2M-1Y-1M-0Y	3817.1	67.7	87.7	149.2	0.0	0.0	2.8	2.4	101.9
84	M2A-M1A X27947-22M-1Y-0M	3815.1	67.1	83.7	143.0	0.0	0.0	6.1	5.0	94.1
85	M2A-M1A X27947-22M-3Y-4M-1Y-1M-0Y	3380.7	68.8	82.8	142.0	0.0	0.0	1.7	7.5	84.9
86	M2A-M1A X27947-24M-1Y-1M-1Y-1M-0Y	3683.1	70.1	82.6	141.8	0.0	0.0	0.9	3.0	85.9
87	M2A(2) X IRA-CML X28233-1H-3Y-4M-1Y-1M-0Y	3537.1	66.0	81.4	142.2	0.0	0.0	7.3	1.0	90.8
88	CHAPALA-SPY X YE 75 X28579-1KE-OKE-1Y-1B-0Y	3709.1	66.0	83.3	143.0	0.0	0.0	5.6	10.1	89.7
89	CHAPALA-SPY X YE 75 X28579-1KE-OKE-1Y-2B-0Y	3742.7	67.5	81.3	142.5	0.0	0.0	5.6	15.5	88.6
90	CIN-PI251923 X PATO/BGL-M2A X28936-1KE-2Y-3B-0Y	3514.8	61.3	87.2	145.8	0.0	0.0	3.8	22.5	88.5
91	IRA-NURI"S" X M2A X29095-3M-1Y-4M-2Y-1M-0Y	3079.3	63.9	82.8	144.7	0.0	0.0	0.3	2.6	82.3
92	IRA-NURI"S" X M2A X29095-8M-10Y-1M-5Y-1M-0Y	3622.3	65.2	86.9	146.7	0.0	0.0	0.2	10.4	86.1

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODO	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	DACT STRP	EARS /M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
63	25.4	40.0	39.7	0.0	74.3	68.7	5.0	60.7	44.0	0.0	5.5	90.0	22.0	270.0
64	20.9	-----	43.9	0.0	70.7	61.0	1.0	26.0	33.0	0.0	5.5	90.0	36.5	201.5
65	24.0	-----	40.2	0.0	81.7	61.0	1.0	26.0	67.0	60.0	28.0	90.0	22.0	216.5
66	27.6	-----	41.2	0.0	89.0	61.0	1.0	13.7	67.0	60.0	5.5	80.0	22.0	229.5
67	27.4	-----	36.9	0.0	61.3	61.0	1.0	62.3	11.0	20.0	28.0	85.0	44.0	255.5
68	28.3	-----	38.7	0.0	74.3	57.3	1.0	45.7	33.0	20.0	78.0	85.0	44.0	261.0
69	17.5	-----	38.2	0.0	70.7	53.7	1.0	27.7	56.0	20.0	33.5	85.0	33.0	279.5
70	19.0	40.0	40.0	0.0	59.3	61.7	1.0	26.0	33.0	40.0	5.5	90.0	22.0	294.0
71	16.6	-----	41.5	0.0	55.5	61.7	1.0	22.3	44.0	20.0	28.0	90.0	22.0	231.0
72	19.3	-----	43.1	0.0	55.7	65.3	1.0	22.3	11.0	0.0	0.0	90.0	33.0	216.5
73	10.9	-----	39.8	0.0	47.3	57.3	1.0	44.7	33.0	0.0	28.0	90.0	11.0	276.0
74	9.4	-----	47.1	0.0	41.5	53.7	1.0	33.3	33.0	0.0	0.0	90.0	22.0	281.5
75	13.3	-----	38.3	0.0	47.3	50.0	10.0	48.3	56.0	20.0	28.0	80.0	11.0	228.0
76	11.2	50.0	36.0	0.0	51.7	50.0	1.0	26.0	67.0	20.0	5.5	80.0	22.0	218.5
77	16.0	-----	33.0	37.7	69.5	69.3	10.0	40.7	73.5	0.0	5.5	90.0	22.0	342.5
78	3.7	-----	33.0	0.0	48.0	53.7	1.0	33.3	44.0	40.0	5.5	85.0	33.0	224.0
79	3.7	-----	34.8	0.0	51.7	53.7	5.0	26.0	44.0	60.0	5.5	85.0	33.0	159.0
80	5.5	-----	40.7	0.0	63.0	53.7	5.0	29.7	33.0	20.0	5.5	90.0	22.0	283.5
81	17.5	-----	37.6	0.0	74.3	53.7	1.0	39.3	11.0	40.0	56.0	85.0	56.0	237.0
82	19.3	-----	46.1	0.0	64.0	61.0	10.0	42.7	56.0	20.0	89.0	85.0	33.0	192.5
83	19.4	-----	48.0	0.0	66.8	65.3	1.0	26.0	11.0	0.0	50.0	90.0	44.0	238.5
84	19.7	40.0	41.6	0.0	70.7	69.0	1.0	35.7	11.0	40.0	44.5	95.0	44.0	313.0
85	21.4	-----	35.9	0.0	70.3	68.7	1.0	35.7	11.0	100.0	28.0	70.0	36.0	246.0
86	16.9	50.0	35.7	0.0	70.3	73.0	1.0	51.3	22.0	100.0	28.0	80.0	31.0	231.5
87	14.7	60.0	37.9	0.0	61.0	61.0	1.0	43.0	44.0	80.0	5.5	85.0	61.0	216.5
88	21.2	-----	40.0	0.0	55.3	65.0	1.0	25.7	33.0	0.0	28.0	85.0	11.0	222.0
89	20.8	-----	39.2	0.0	47.0	61.0	1.0	25.3	22.0	0.0	5.5	75.0	22.0	261.0
90	3.7	-----	39.6	0.0	38.8	53.7	1.0	44.7	100.0	80.0	11.0	80.0	22.0	183.0
91	3.7	-----	39.9	0.0	55.5	61.0	1.0	41.0	33.0	0.0	5.5	85.0	22.0	290.5
92	5.5	-----	46.3	0.0	55.6	65.0	1.0	26.0	22.0	80.0	28.0	90.0	48.0	235.0

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT L	STRP RT H	LEAF RUST	STEM RUST	PLNT HT
		NOBS: (50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
93	RM"S"-PANTHER"S X29340-1M-1Y-1M-1Y-2M-0Y	4055.3	65.6	84.1	147.3	0.0	0.0	0.1	10.5	87.8
94	NV-M2A(2) X IA X29426-D-2M-1Y-1M-1Y-1M-0Y	3508.3	64.2	88.6	147.0	0.0	0.0	4.9	2.0	82.7
95	YGCD-PANDA"S" X CIN X29469-A-1M-2Y-1M-1Y-1M-0Y	3593.4	68.3	85.3	145.3	0.0	0.0	4.6	5.0	96.4
96	M2A(2)-M1A X IA X29557-H-3M-1Y-1M-2Y-2M-0Y	3583.1	64.4	87.5	156.0	0.0	0.0	0.8	10.0	89.5
97	CML"S"-M2A X ABN"R" X29589-H-1M-6Y-0M	4049.0	63.9	84.5	144.0	0.0	0.0	11.6	0.0	90.8
98	IRA-ABN"R" X M2A X29591-C-1M-1Y-0M	3322.5	61.7	81.6	143.5	0.0	0.0	2.0	2.5	79.9
99	TCL95-M2A X M2A X29635-I-1M-2Y-1M-1Y-1M-0Y	4058.2	67.0	81.0	141.3	0.0	0.0	6.5	19.0	88.7
100	NV	3960.1	66.7	89.7	140.0	61.7	0.0	12.3	40.0	91.7
101	CANANEA 79	3917.9	61.6	82.6	143.7	1.7	0.0	1.0	0.7	94.6
102	BETTER	3451.4	64.0	91.2	150.3	0.0	0.0	3.2	7.3	93.1
103	ABN"R"-M1A X M2A X29642-A-2M-500Y-500M-500Y-500B-0Y	3625.2	67.6	81.2	141.5	0.0	0.0	7.9	5.5	83.4
104	ABN"R"-M1A X M2A X29642-A-2M-500Y-500M-500Y-504B-0Y	3379.7	67.0	81.9	144.2	0.0	0.0	8.1	3.5	83.7
105	M4-FS1795 X BQL"S" X29755-B-1M-2Y-2M-1Y-1M-0Y	3976.9	63.6	91.4	148.8	0.0	0.0	2.5	0.0	102.7
106	M4-FS1795 X BQL"S" X29755-B-1M-2Y-5M-2Y-1M-0Y	4025.9	65.8	90.4	151.0	0.0	0.0	0.5	5.0	106.7
107	173.4 X IA-BUSH/FS154 X29809-A-1M-1Y-1M-1Y-0M	3740.9	64.4	85.0	142.7	0.0	0.0	7.0	0.5	95.5
108	163.3-NEV X RM"S"/IA X29932-A-6M-1Y-1M-2Y-2M-0Y	3653.8	64.8	85.9	142.5	0.0	0.0	3.9	5.0	91.6
109	M2A-ANZA X30276-3B-14Y-4B-1Y-1B-0Y	3419.6	66.1	83.0	143.5	0.0	0.0	0.9	0.6	90.6
110	RM"S"-BZA X CML X30386-A-1M-1Y-1M-1Y-1M-0Y	3785.6	66.8	82.6	142.5	0.0	0.0	8.6	3.0	88.1
111	M2A-FS686 X IRA/YE X30446-A-1M-1Y-1M-1Y-1M-0Y	3479.1	61.2	83.0	144.0	0.0	0.0	9.8	0.7	96.0
112	YE TC75 X IA-BUSH X31095-1Y-3M-1Y-2M-0Y	3743.0	66.7	83.5	143.2	0.0	0.0	14.9	0.5	92.2
113	YE TC75 X IA-BUSH X31095-1Y-4M-1Y-1M-0Y	3514.5	66.9	81.9	142.5	0.0	0.0	14.5	3.0	89.3
114	YE TC75 X IA-BUSH X31095-1Y-4M-1Y-3M-0Y	3471.8	66.6	83.3	142.3	0.0	0.0	16.2	2.5	90.3
115	NAVDJDA-LINCE X31100-5Y-1M-1Y-0M	3659.4	64.8	82.3	142.8	0.0	0.0	3.4	5.5	94.1
116	NAVDJDA-LINCE X31100-5Y-1M-2Y-0M	4370.1	67.7	82.4	142.8	0.0	0.0	9.1	2.7	94.9
117	NV"S"-BQL X31109-3M-1Y-1M-0Y	2952.7	69.5	81.5	142.0	0.0	0.0	10.4	3.3	83.1
118	RM X OCTO BULK-BUSH X31121-1Y-1M-1Y-0M	3926.2	67.1	82.3	143.0	0.0	0.0	0.9	5.5	89.8
119	BCM"S"-ADDAX X31185-8Y-1M-2Y-1M-0Y	4162.1	66.3	85.3	145.8	0.0	0.0	4.5	0.5	93.2
120	BCM"S"-IA X31186-2Y-3M-1Y-1M-0Y	3956.8	66.4	85.0	146.2	0.0	10.0	5.8	37.5	92.5
121	BCM"S"-IA X31186-6Y-3M-1Y-0M	3714.1	63.2	78.8	138.3	0.0	0.0	2.2	17.5	84.1

Table 2. (cont.)

VTY	LDDG %	SHTR %	1000 G.W	POWD %	SEPT TRIT	SEPT NODD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
93	5.5	-----	44.4	0.0	55.5	65.3	1.0	26.0	33.0	0.0	5.5	90.0	56.0	224.0
94	14.3	-----	34.7	0.0	70.7	69.3	1.0	26.0	11.0	0.0	50.0	90.0	43.0	242.5
95	9.2	20.0	36.0	0.0	66.7	53.7	1.0	26.0	33.0	60.0	5.5	90.0	56.0	314.5
96	9.2	-----	40.0	0.0	48.3	57.3	1.0	22.3	33.0	80.0	28.0	85.0	33.0	272.5
97	9.5	-----	39.7	0.0	47.0	57.3	5.0	33.3	22.0	60.0	28.0	85.0	22.0	212.5
98	7.7	20.0	40.5	0.0	63.0	73.0	1.0	29.7	22.0	0.0	5.5	90.0	44.0	246.5
99	11.1	-----	40.7	0.0	27.8	65.3	5.0	29.7	22.0	40.0	5.5	85.0	22.0	242.5
100	9.4	-----	38.0	42.0	55.7	67.0	1.0	14.7	11.0	0.0	28.0	-----	33.0	433.0
101	7.7	-----	39.6	0.0	55.3	65.3	1.0	41.0	22.0	40.0	28.0	90.0	22.0	281.0
102	5.5	30.0	40.6	0.0	37.6	50.0	1.0	29.7	44.0	0.0	0.0	80.0	22.0	239.0
103	7.0	-----	37.7	0.0	55.5	58.0	5.0	39.0	33.0	0.0	11.0	85.0	56.0	351.5
104	7.7	20.0	40.8	0.0	66.7	61.7	5.0	37.0	33.0	20.0	5.5	90.0	44.0	281.0
105	7.6	-----	47.3	0.0	48.0	58.0	1.0	18.3	62.0	0.0	0.0	90.0	22.0	266.5
106	5.5	-----	50.0	0.0	42.2	61.7	1.0	22.3	56.5	0.0	0.0	90.0	33.0	287.0
107	16.0	-----	40.5	0.0	63.0	61.0	1.0	26.0	11.0	0.0	28.0	90.0	22.0	220.5
108	19.6	-----	39.8	0.0	61.3	65.0	10.0	45.7	11.0	0.0	0.0	90.0	44.0	205.5
109	19.4	-----	40.6	0.0	64.0	69.0	5.0	43.0	44.0	0.0	5.5	85.0	44.0	207.5
110	27.4	-----	37.4	0.0	78.0	69.3	5.0	26.0	11.0	0.0	5.5	90.0	56.0	262.5
111	28.3	-----	43.2	0.0	63.0	65.0	5.0	42.7	68.0	0.0	5.5	85.0	56.0	231.0
112	22.7	-----	39.8	0.0	59.3	68.7	1.0	47.0	56.0	0.0	5.5	85.0	56.0	185.0
113	24.5	-----	37.3	0.0	63.0	72.3	5.0	29.3	44.0	20.0	5.5	80.0	44.0	229.5
114	22.3	-----	38.9	0.0	52.0	68.7	1.0	50.0	33.0	0.0	28.0	85.0	22.0	253.5
115	26.2	-----	39.3	0.0	53.0	73.0	1.0	36.0	33.0	0.0	28.0	85.0	22.0	252.0
116	26.9	-----	39.6	0.0	58.5	73.0	1.0	55.7	11.0	0.0	5.5	90.0	72.0	263.0
117	22.3	-----	42.5	0.0	61.3	76.7	20.0	39.3	22.0	0.0	28.0	85.0	48.0	294.0
118	28.6	-----	40.8	0.0	61.3	65.0	10.0	47.7	22.0	0.0	5.5	85.0	56.0	327.5
119	23.4	-----	41.9	0.0	40.7	65.0	1.0	47.0	33.0	0.0	5.5	80.0	22.0	272.0
120	19.7	40.0	39.0	0.0	55.7	65.0	1.0	43.3	33.0	0.0	5.5	85.0	33.0	290.5
121	22.0	-----	38.2	0.0	61.3	76.7	1.0	47.0	44.0	40.0	5.5	90.0	44.0	483.0

Table 2. (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	YIELD	TEST	FLOW	MAT	STRP	STRP	LEAF	STEM	PLNT
		KG/HA	WT	DAYS	DAYS	RT. L	RT. H	RUST	RUST	HT
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
122	BCH"S"-IA X31186-6Y-4M-1Y-2M-0Y	4064.2	65.7	82.2	145.7	0.3	0.0	0.2	2.9	91.0
123	NV"R"-FS282 X31217-8-6Y-2M-1Y-2M-0Y	3246.2	65.4	83.5	143.2	0.0	0.0	11.1	5.0	83.9
124	ABN"R"-IA X31235-21Y-2M-1Y-1M-0Y	3547.2	65.0	84.3	143.5	0.0	0.0	0.7	8.0	92.5
125	BEAGLE	4031.4	61.5	85.8	149.0	0.0	15.0	15.5	27.3	108.1
126	CIANO 79	3112.2	74.8	87.0	145.3	13.3	0.0	4.8	44.5	77.0
127	WELSH-MISI X31371-4Y-1M-1Y-0M	3507.0	62.7	84.3	143.7	0.0	0.0	12.6	35.0	91.9
128	IRA-KLA X YO"R" X31699-1Y-1M-1Y-1M-0Y	3424.6	62.9	85.6	146.7	0.0	0.0	4.5	0.4	87.7
129	IA-ADDAX X31714-8-1Y-1M-1Y-0M	3493.5	67.0	83.7	145.0	0.0	0.0	2.6	0.5	84.9
130	PANTHER"R"-ADDAX X31729-A-4Y-1M-1Y-0M	3731.8	67.9	84.2	145.7	0.0	0.0	0.7	45.0	91.8
131	PANTHER"R"-BETTER X31730-E-3Y-1M-1Y-1M-0Y	3667.5	64.7	87.1	147.7	0.0	0.0	2.0	30.0	92.4
132	FS1781-NAVDJDA X31711-500Y-503M-500Y-505B-0Y	3498.7	66.1	84.0	143.8	0.0	0.0	2.0	2.9	84.6
133	PANTHER"S" X OCTO BULK-BUSH X31731-1Y-1M-1Y-0M	3593.4	68.0	83.6	144.0	0.0	0.0	10.5	16.0	91.6
134	PANTHER"S" X OCTO BULK-BUSH X31731-2Y-1M-2Y-1M-0Y	3757.6	68.3	87.4	146.7	0.5	0.0	1.7	0.0	95.3
135	PANTHER"S" X OCTO BULK-BUSH X31731-6Y-2M-1Y-0M	3339.8	67.1	81.6	144.3	0.0	0.0	8.2	25.0	88.6
136	PANTHER"S" X OCTO BULK-BUSH X31731-7Y-3M-1Y-0M	3783.7	65.1	83.0	143.7	0.0	0.0	4.0	2.5	92.6
137	PANTHER"S" X OCTO BULK-BUSH X31731-8Y-3M-0Y	3621.2	68.4	86.0	146.8	0.0	0.0	9.1	2.6	95.1
138	PANTHER"S" X OCTO BULK-BUSH X31731-8Y-3M-1Y-1M-0Y	3471.7	67.9	85.6	146.7	0.0	0.0	6.3	10.5	95.0
139	PANTHER"S" X OCTO BULK-BUSH X31731-10Y-1M-1Y-2M-0Y	3645.0	68.0	84.6	146.7	0.0	10.0	9.8	42.0	90.1
140	PANTHER"S" X OCTO BULK-BUSH X31731-10Y-1M-2Y-0M	3660.3	68.7	84.4	147.3	0.0	0.0	6.8	0.5	91.5
141	PANTHER"S" X OCTO BULK-BUSH X31731-24Y-9M-0Y	3432.8	64.4	84.8	146.5	0.0	0.0	4.0	1.0	90.3
142	PANTHER"S" X OCTO BULK-BUSH X31731-24Y-12M-0Y	3853.3	66.2	86.3	147.7	0.0	0.0	6.3	10.0	97.6
143	PTR"R"-ADDAX X31729-B-1Y-1M-1Y-1M-0Y	3474.3	66.3	85.3	146.5	0.0	0.0	0.2	0.0	87.1
144	IRA-CHL X FS363 X31761-29Y-1M-1Y-1M-0Y	3495.5	68.0	87.8	147.0	0.0	0.0	4.6	0.5	89.4
145	H2A(2)-FS3284 X31806-A-4Y-3M-1Y-0M	3438.0	66.5	79.8	144.3	0.0	0.0	12.4	10.0	92.6
146	GOPHER-ADDAX X31975-10M-2Y-4M-0Y	3416.8	64.1	84.0	146.0	0.0	0.0	1.0	3.0	87.3
147	WS1B12-TURK6982 X ABN X32493-7Y-1M-1Y-1M-0Y	3423.5	63.4	84.6	144.7	0.0	0.0	16.5	2.0	86.8
148	BB(PAK)-DANKOWSKIE ZLOTE X IRA X32531-8Y-1M-3Y-1M-0Y	3395.5	61.9	89.6	147.2	0.0	0.0	8.1	2.5	85.3
149	BB(PAK)-DANKOWSKIE ZLOTE X IRA X32531-8Y-1M-3Y-2M-0Y	3366.2	62.2	89.0	147.0	0.0	0.0	10.7	10.5	86.0
150	CASORCA	3623.2	64.3	83.2	142.0	0.0	0.0	2.7	20.5	86.8
151	LINCE	2898.0	59.8	84.3	147.8	0.0	0.0	6.0	20.5	89.1

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 G.W.	POWD %	SEPT TRIT	SEPT MODD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS /M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
122	27.2	40.0	42.3	0.0	61.3	69.3	5.0	40.0	33.0	0.0	5.5	85.0	33.0	279.5
123	25.7	20.0	38.7	0.0	58.3	72.3	1.0	26.0	44.0	20.0	5.5	80.0	44.0	291.0
124	14.1	-----	42.6	0.0	41.5	65.0	1.0	26.0	44.0	0.0	28.0	80.0	44.0	215.0
125	9.4	-----	48.8	0.0	33.0	53.7	1.0	26.0	11.0	0.0	28.0	90.0	33.0	272.0
126	5.5	-----	38.5	37.7	70.7	65.3	5.0	37.0	56.0	0.0	33.5	90.0	33.0	279.5
127	5.8	-----	47.3	11.0	66.8	76.7	5.0	22.3	44.0	20.0	5.5	90.0	33.0	229.5
128	7.3	-----	43.6	0.0	64.0	69.3	5.0	22.3	56.0	0.0	67.0	90.0	53.0	294.0
129	7.7	-----	35.4	0.0	59.3	73.0	5.0	26.0	56.0	0.0	28.0	80.0	26.5	266.0
130	5.5	-----	41.1	0.0	58.5	65.3	10.0	33.3	67.0	20.0	28.0	90.0	32.0	218.5
131	9.4	-----	44.1	0.0	47.0	57.3	5.0	3.7	56.0	0.0	28.0	90.0	33.0	329.5
132	15.9	60.0	38.3	0.0	69.5	76.7	5.0	29.0	11.0	0.0	44.5	90.0	78.0	283.5
133	3.7	60.0	45.1	0.0	64.0	64.7	1.0	40.0	22.0	0.0	22.0	85.0	67.0	237.0
134	9.2	-----	47.9	0.0	36.0	57.3	1.0	35.0	78.0	0.0	28.0	85.0	62.0	174.0
135	9.5	-----	40.0	11.0	61.0	64.7	1.0	33.3	56.0	0.0	5.5	90.0	48.0	316.5
136	5.5	-----	49.4	0.0	58.3	65.0	1.0	29.7	22.0	60.0	5.5	85.0	58.0	200.0
137	12.3	-----	44.2	0.0	58.3	68.7	1.0	40.0	33.0	80.0	5.5	90.0	43.0	281.5
138	21.1	-----	42.3	0.0	61.3	64.7	1.0	22.3	33.0	20.0	5.5	90.0	38.0	253.5
139	22.4	-----	50.0	0.0	61.3	65.0	1.0	26.0	33.0	0.0	28.0	90.0	16.0	227.5
140	23.9	-----	45.6	0.0	55.5	57.3	1.0	33.3	44.0	0.0	28.0	95.0	24.5	257.0
141	17.6	-----	48.1	0.0	44.3	53.7	1.0	14.7	67.0	0.0	28.0	90.0	19.0	218.5
142	18.0	-----	45.6	0.0	52.8	53.7	5.0	37.3	33.0	0.0	22.0	90.0	19.0	250.0
143	26.9	-----	42.3	0.0	50.0	53.7	1.0	29.7	22.0	20.0	28.0	85.0	32.0	240.5
144	12.1	-----	46.5	0.0	59.3	53.7	1.0	22.3	33.0	0.0	5.5	85.0	24.5	296.5
145	11.0	-----	47.0	0.0	50.0	83.5	10.0	29.7	22.0	20.0	5.5	90.0	41.5	259.0
146	9.4	-----	42.3	0.0	52.5	72.5	10.0	11.0	22.0	40.0	5.5	90.0	56.0	253.5
147	12.4	-----	39.6	0.0	50.3	89.0	10.0	22.3	11.0	40.0	5.5	85.0	11.0	259.0
148	7.6	-----	37.4	0.0	55.8	61.0	5.0	26.0	44.0	40.0	0.0	80.0	22.0	209.5
149	7.3	40.0	37.0	11.0	53.0	66.5	5.0	22.3	33.0	0.0	0.0	80.0	33.0	235.5
150	7.3	-----	37.7	0.0	69.5	78.0	10.0	37.0	22.0	0.0	5.5	85.0	31.5	318.5
151	11.3	-----	38.4	0.0	55.8	66.5	10.0	3.7	22.0	40.0	28.0	90.0	33.0	235.0

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	NDBS:	YIELD	TEST	FLOW	MAT	STRP	STRP	LEAF	STEM	PLNT
			KG/HA	WT	DAYS	DAYS	RT L	RT. H	RUST	RUST	HT
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)	
152	CIT"S"-SPY X IA-BUSH X32610-4Y-1M-1Y-1M-0Y		3005.4	65.6	80.1	145.8	0.0	0.0	0.5	2.6	87.7
153	CIT"S"-SPY X IA-BUSH X32610-4Y-1M-2Y-2M-0Y		3407.1	67.1	79.8	145.2	0.0	15.0	0.5	2.7	88.3
154	BQL-BUI X32641-1Y-1B-3Y-2B-0Y		3162.5	63.5	82.0	143.7	0.0	0.0	1.2	1.9	88.0
155	TCL E3-ARM"S"/CND"S"-GALLO X BB-INIA X32694-2Y-2B-2Y-0B		3340.1	66.4	78.6	143.8	0.0	0.0	10.5	0.8	85.3
156	TCL E3-ARM"S"(CND"S"-TOB"S"/SDN-KL. R ND X BB) X32697-3Y-8B-1Y-1B-0Y		2860.5	64.1	83.0	145.2	0.0	0.0	5.1	0.2	88.3
157	HOUSE"S" X32709-6Y-1B-1Y-3B-0Y		3115.6	58.8	85.5	147.0	0.0	0.0	5.8	5.5	83.3
158	RM-MAT CANADA 42 X32761-5Y-2B-1Y-2B-0Y		3501.1	65.4	81.1	143.3	0.0	0.0	8.4	10.2	96.9
159	RM-MAT CANADA 42 X32761-6Y-1B-3Y-1B-0Y		3386.1	64.8	81.6	144.2	0.0	----	1.1	20.1	91.4
160	RM-MAT CANADA 42 X32761-6Y-1B-3Y-2B-0Y		3318.2	64.3	81.8	143.8	0.0	0.0	3.8	22.0	91.4
161	RM-MAT CANADA 42 X32761-7Y-2B-1Y-0B		3646.1	65.5	81.9	144.5	0.0	0.0	5.3	25.4	98.6
162	RM-MAT CANADA 42 X32761-7Y-2B-2Y-0B		3301.6	64.6	81.7	142.7	0.0	0.0	7.8	25.5	99.1
163	(DRIRA/M2A-IA X ARS)ABN"R" X32994-B-2Y-1M-3Y-0M		3872.3	64.5	84.9	148.2	0.0	10.0	0.6	0.9	96.3
164	LEMMING"S" X33208-1-500Y-500M-500Y-505B-0Y		3259.1	66.1	84.2	144.8	0.0	0.0	4.3	0.5	84.3
165	M2A-RM"S"(MISI/KLA-CHL X M2A-IA) X33214-9-5Y-3M-2Y-1M-0Y		4007.6	65.6	81.8	144.7	0.0	0.0	2.5	0.0	88.1
166	M2A-RM"S"(MISI/KLA-CHL X M2A-IA) X33214-9-5Y-3M-2Y-2M-0Y		3544.7	65.6	83.0	145.7	0.0	0.0	4.7	0.0	89.3
167	W74. 103-ADDAX/BQL"S"-M2A X IRA X33470-C-1Y-1M-2Y-0M		4452.1	69.3	87.5	148.8	0.0	0.0	5.8	0.0	109.5
168	W74. 103-ADDAX/BQL"S"-M2A X IRA X33470-C-1Y-1M-3Y-0M		4380.4	69.2	87.8	147.5	0.0	0.0	4.9	0.0	107.7
169	W74. 103-ADDAX/BQL"S"-M2A X IRA X33470-C-1Y-3M-2Y-2M-0Y		4538.5	70.1	85.2	148.5	0.0	0.0	7.1	10.0	108.4
170	W74. 103-ADDAX/BQL"S"-M2A X IRA X33470-C-1Y-5M-1Y-0M		4355.4	69.5	83.9	147.2	0.0	0.0	7.8	0.0	106.5
171	JUP-DANKOWSKIE ZLOTE X HAYA II/IA- CIN X NV"R" X33494-A-1Y-1M-3Y-1M-0Y		3402.5	68.2	86.0	145.7	0.0	15.0	10.0	2.5	91.2
172	BCM X IRA-CAL X34485-A-1M-1Y-1M-0Y		4130.6	70.3	80.6	144.8	0.0	0.0	4.0	0.4	89.3
173	SETTER-PANDA"S" X34530-422H-2Y-0M		3433.2	69.2	80.7	143.5	0.0	0.0	0.5	3.5	94.3
174	SETTER-PANDA"S" X34530-442H-2Y-2M-0Y		3409.3	68.4	82.0	143.0	0.0	----	8.3	12.5	89.0
175	CANANEA 79		3981.8	62.3	82.5	143.7	0.0	0.0	4.6	2.6	94.3
176	ARABIAN		3137.2	64.0	84.3	145.2	0.0	0.0	11.3	2.9	85.4
177	NACQZARI 76		3589.7	73.8	84.5	141.2	28.3	70.0	17.5	24.0	78.3
178	SETTER-PANDA"S" X34530-556H-1Y-1M-0Y		3714.3	67.9	83.0	142.0	0.0	0.0	13.1	0.6	89.0
179	SETTER-PANDA"S" X34530-562H-1Y-2M-0Y		3350.0	67.3	82.0	143.0	0.0	0.0	5.5	3.5	96.6
180	SETTER-PANDA"S" X34530-71H-2Y-2M-0Y		3778.9	67.7	83.0	145.5	0.0	0.0	15.8	5.8	91.4

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 G W	POWD %	SEPT TRIT	SEPT NODD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
152	9.2	-----	39.2	0.0	64.0	66.5	10.0	37.0	81.0	60.0	56.0	90.0	41.0	400.0
153	7.3	-----	38.7	0.0	61.3	61.0	10.0	29.7	33.0	40.0	22.0	90.0	46.5	342.0
154	7.7	-----	36.7	0.0	78.0	80.3	10.0	33.3	0.0	0.0	44.5	90.0	44.0	329.5
155	15.0	-----	45.7	0.0	69.5	76.7	1.0	26.0	67.0	0.0	28.0	90.0	68.0	314.5
156	10.9	40.0	38.0	0.0	72.3	76.0	20.0	11.0	44.0	0.0	28.0	90.0	47.0	261.0
157	11.3	50.0	44.1	0.0	61.3	61.0	5.0	22.3	22.0	0.0	100.0	90.0	48.0	255.5
158	3.7	-----	42.7	0.0	61.3	76.0	5.0	33.3	33.0	20.0	22.0	90.0	26.5	192.5
159	9.5	-----	41.5	11.0	41.5	61.7	10.0	33.3	11.0	40.0	22.0	90.0	43.0	281.5
160	11.3	-----	42.1	0.0	52.0	58.0	10.0	29.7	11.0	60.0	11.0	90.0	63.0	303.5
161	11.2	-----	42.3	0.0	55.8	72.3	1.0	3.7	44.0	40.0	67.0	90.0	19.0	290.5
162	14.5	-----	41.0	0.0	58.3	76.0	1.0	29.7	67.0	0.0	56.0	90.0	19.0	298.0
163	16.3	-----	45.4	0.0	47.3	57.3	1.0	44.7	56.0	0.0	50.0	85.0	13.5	274.0
164	10.5	60.0	37.5	0.0	66.8	65.0	1.0	33.3	11.0	0.0	56.0	85.0	21.5	277.5
165	14.0	-----	41.3	0.0	64.0	68.7	1.0	29.7	22.0	0.0	28.0	75.0	44.0	257.5
166	14.1	-----	39.4	0.0	61.3	72.3	1.0	26.0	22.0	0.0	28.0	85.0	19.0	342.5
167	16.9	-----	48.6	0.0	44.3	61.0	10.0	26.0	89.0	0.0	0.0	90.0	17.0	253.5
168	16.9	-----	49.8	0.0	41.5	57.3	5.0	33.3	67.0	0.0	0.0	90.0	11.5	266.5
169	17.1	-----	47.8	0.0	38.8	53.7	5.0	37.0	67.0	0.0	0.0	90.0	32.0	255.5
170	17.3	-----	47.2	0.0	41.8	53.7	1.0	29.7	78.0	0.0	28.0	80.0	42.0	244.5
171	7.6	-----	46.1	0.0	33.0	58.0	1.0	13.7	33.0	60.0	28.0	75.0	24.5	248.0
172	19.7	30.0	40.8	0.0	70.3	61.0	1.0	43.3	44.0	0.0	66.5	85.0	22.5	307.0
173	21.7	-----	40.6	11.0	53.4	68.7	1.0	54.3	33.0	40.0	28.0	85.0	57.0	411.0
174	16.9	40.0	37.9	0.0	64.4	72.3	1.0	33.3	33.0	40.0	22.0	85.0	61.5	413.0
175	11.3	-----	42.7	0.0	64.0	61.0	10.0	33.3	0.0	0.0	44.5	85.0	24.5	322.0
176	7.3	-----	43.5	0.0	55.6	61.7	5.0	29.7	89.0	0.0	44.5	80.0	33.0	277.5
177	11.5	-----	38.2	45.0	81.7	69.0	10.0	37.0	78.0	0.0	5.5	85.0	66.5	520.0
178	14.8	40.0	38.1	0.0	69.5	68.7	10.0	22.3	22.0	0.0	28.0	85.0	46.5	344.0
179	9.4	-----	40.1	11.0	62.2	64.7	5.0	37.0	22.0	40.0	55.5	90.0	53.0	385.0
180	10.9	-----	38.7	0.0	51.2	72.3	5.0	33.3	33.0	20.0	5.5	90.0	32.0	368.5

Table 2. (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	STRP RT. H	LEAF RUST	STEM RUST	PLNT HT
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
181	SETTER-PANDA"S" X34530-113H-5Y-2M-0Y	3533.5	68.8	82.7	144.5	0.0	0.0	0.5	5.0	87.0
182	PANTHER"R"-RM X34816-500Y-502M-500Y-500B-0Y	3389.8	67.1	83.4	130.0	0.0	20.0	1.1	35.0	83.6
183	PANTHER"S"-GAZELLE"S" X34819-11M-1Y-1M-0Y	3754.7	67.8	81.7	142.5	0.0	10.0	0.5	0.0	84.7
184	FS477-TERRIER X35106-503M-500Y-500B-0Y	3290.3	65.1	83.2	144.0	0.0	0.0	1.3	0.0	86.5
185	ABN"R"-M1A X35414-D-1M-1Y-2M-0Y	3749.7	66.2	82.6	144.2	0.0	0.0	1.5	0.0	87.0
186	IRA X IGA-IRA X35434-B-1M-1Y-1M-0Y	3568.5	65.6	80.1	144.5	0.0	0.0	0.6	5.0	81.7
187	BQL"S" X IRA-BQL"S"/FS477 X35633-500M-502Y-506B-0Y	3298.0	64.1	84.1	144.7	0.0	0.0	13.6	0.4	85.1
188	PANDA"S" X OCTO BULK-BUSH X35781-35H-1Y-1M-0Y	3589.4	68.6	81.1	142.0	0.0	5.0	2.3	3.0	89.6
189	PANDA"S" X OCTO BULK-BUSH X35781-72H-1Y-1M-0Y	3264.7	67.4	79.5	142.8	0.0	0.0	4.1	5.5	93.4
190	PANDA"S" X OCTO BULK-BUSH X35781-72H-1Y-2M-0Y	3620.5	66.6	81.1	143.8	0.0	0.0	14.3	1.0	90.7
191	PANDA"S" X OCTO BULK-BUSH X35781-96H-1Y-2M-0Y	3031.9	67.8	81.8	143.2	0.0	0.0	4.7	2.4	88.1
192	PANDA"S" X OCTO BULK-BUSH X35781-368H-1Y-1M-0Y	3831.6	66.9	83.8	145.3	0.0	0.0	0.9	0.5	86.2
193	PANDA"S" X OCTO BULK-BUSH X35781-395H-1Y-0M	3632.0	67.0	81.5	143.2	0.0	0.0	0.3	2.6	91.3
194	PANDA"S" X OCTO BULK-BUSH X35781-411H-2Y-1M-0Y	3451.8	67.4	84.4	146.5	0.0	0.0	5.5	0.9	97.7
195	PANDA"S" X OCTO BULK-BUSH X35781-497H-1Y-1M-0Y	3402.2	66.4	81.1	143.0	0.0	0.0	8.4	10.4	85.8
196	PANDA"S" X OCTO BULK-BUSH X35781-545H-1Y-1M-0Y	3157.4	68.0	84.4	143.5	0.0	0.0	17.5	10.4	88.2
197	PANDA"S" X OCTO BULK-BUSH X35781-119H-4Y-1M-0Y	3533.4	66.0	82.6	145.5	0.0	0.0	0.8	20.4	89.6
198	PANDA"R"-MASTIFF"S" X35783-17H-2Y-1M-0Y	3395.3	69.9	80.2	142.7	0.0	0.0	3.9	5.5	85.0
199	PANDA"S"-BCM"S" X35784-423H-1Y-2M-0Y	3554.0	70.3	84.4	144.7	0.0	0.0	7.5	10.0	90.3
200	LOCAL CHECK	3851.8	71.0	88.6	143.8	37.3	0.0	18.3	60.0	92.7
201	CABORCA 79	3864.1	64.5	82.2	144.2	0.0	0.0	0.5	5.0	87.4
202	BETTER	3454.6	64.3	91.6	148.2	0.0	0.0	3.8	25.0	92.4
203	PANDA"S"-BACUM"S" X35784-484H-1Y-1M-0Y	3593.6	65.6	82.3	144.5	0.0	0.0	8.4	3.0	87.0
204	PANDA"R"-LINCE X35786-1Y-1M-2Y-1M-0Y	3942.5	68.4	84.4	143.7	0.0	0.0	0.5	0.4	85.4
205	PANDA"R"-LINCE X35786-61H-1Y-1M-0Y	3109.0	69.1	80.9	142.8	0.0	0.0	0.8	10.1	81.4
206	PANDA"R"-LINCE X35786-169H-1Y-0M	3465.0	68.6	82.3	144.0	0.0	0.0	23.0	5.0	95.0
207	PANDA"R"-LINCE X35786-158H-1Y-1M-0Y	3762.6	68.3	81.8	143.2	0.0	0.0	4.0	2.4	89.0
208	PANDA"R"-LINCE X35786-381H-1Y-1M-0Y	3954.0	68.2	80.9	142.8	0.0	0.0	7.0	0.1	98.7
209	PANDA"R"-LINCE X35786-478H-1Y-2M-0Y	3579.0	64.2	82.2	144.2	0.0	0.0	10.0	2.9	98.7
210	PANDA"R"-LINCE X35786-659H-1Y-3M-0Y	3581.3	67.9	80.2	142.7	0.0	0.0	11.8	5.0	83.1

Table 2. (cont.)

VTY	LDDG %	SHTR %	1000 C.M.	POMD %	SEPT TRIT	SEPT NODD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS /M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
181	9.3	-----	38.0	0.0	69.5	72.3	1.0	26.0	22.0	20.0	50.0	90.0	73.0	538.5
182	7.6	-----	43.2	0.0	25.0	61.0	1.0	29.7	33.0	0.0	28.0	90.0	19.0	192.5
183	7.7	-----	43.1	0.0	42.2	68.7	1.0	37.0	11.0	0.0	28.0	90.0	46.5	296.0
184	9.5	-----	35.9	0.0	41.5	80.3	10.0	26.0	56.0	60.0	5.5	80.0	56.5	291.0
185	9.1	-----	38.1	0.0	55.6	69.3	5.0	26.0	22.0	40.0	28.0	80.0	42.0	429.5
186	12.3	-----	34.7	0.0	70.7	76.7	5.0	29.7	11.0	40.0	33.5	95.0	41.5	492.0
187	12.3	-----	43.0	0.0	38.8	57.3	10.0	29.0	67.0	40.0	28.0	90.0	16.0	266.5
188	8.8	40.0	38.0	0.0	44.5	76.7	10.0	26.0	33.0	80.0	22.0	90.0	73.0	320.0
189	12.4	-----	42.0	11.0	66.8	72.3	5.0	44.3	22.0	80.0	56.0	90.0	78.0	281.0
190	13.9	-----	43.5	0.0	78.0	72.3	5.0	40.7	33.0	40.0	28.0	90.0	63.0	370.0
191	11.2	20.0	36.3	0.0	60.2	64.7	5.0	47.0	22.0	60.0	50.0	85.0	52.0	375.5
192	7.7	-----	34.8	0.0	78.0	72.3	1.0	29.7	11.0	0.0	28.0	85.0	63.0	261.0
193	16.6	-----	39.1	0.0	59.0	72.3	5.0	37.0	11.0	0.0	56.0	80.0	67.0	296.5
194	15.3	-----	43.2	0.0	58.5	68.7	5.0	44.7	11.0	40.0	28.0	90.0	38.0	316.5
195	19.1	-----	37.1	0.0	77.7	76.0	5.0	33.3	11.0	0.0	44.5	85.0	73.0	461.0
196	21.2	-----	35.4	0.0	44.7	61.0	5.0	37.0	22.0	60.0	0.0	90.0	27.0	409.5
197	25.0	-----	43.1	0.0	53.0	57.3	5.0	40.7	33.0	80.0	44.5	90.0	24.5	288.5
198	17.6	-----	35.9	11.0	61.3	83.3	5.0	33.3	22.0	0.0	50.0	90.0	78.0	305.5
199	22.6	-----	36.4	0.0	81.7	73.0	10.0	26.0	11.0	0.0	33.5	90.0	33.0	227.5
200	13.9	-----	44.3	33.8	49.8	83.5	20.0	14.7	11.0	0.0	33.5	-----	37.0	463.0
201	15.4	-----	41.5	0.0	52.8	69.0	10.0	26.0	11.0	0.0	5.5	90.0	48.0	240.5
202	5.8	40.0	40.5	0.0	55.3	50.0	5.0	41.0	44.0	60.0	0.0	85.0	8.0	268.5
203	11.3	-----	37.2	0.0	81.7	69.0	1.0	22.3	44.0	0.0	28.0	90.0	21.5	316.5
204	10.7	-----	36.8	0.0	81.7	61.0	1.0	26.0	44.0	40.0	56.0	80.0	26.5	259.5
205	9.5	-----	36.7	0.0	64.0	80.3	5.0	29.7	11.0	20.0	28.0	85.0	53.0	453.5
206	3.7	-----	36.9	0.0	58.5	65.0	5.0	29.7	33.0	40.0	28.0	85.0	56.0	365.0
207	12.3	-----	35.9	0.0	64.0	72.3	5.0	26.0	56.0	20.0	50.0	90.0	58.0	309.0
208	14.3	-----	38.9	11.0	85.3	64.7	10.0	29.7	11.0	20.0	50.0	90.0	33.0	334.5
209	23.0	-----	38.0	11.0	58.5	65.0	10.0	33.3	11.0	20.0	50.0	90.0	38.5	233.5
210	15.7	-----	40.3	0.0	69.5	80.3	5.0	3.7	11.0	0.0	28.0	90.0	53.0	257.5

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	MOBS	YIELD	TEST	FLOW	MAT	STRP	STRP	LEAF	STEM	PLNT
			(50)	(- 10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
211	PANDA"R"-LINCE X35786-903H-3Y-0M		3406.5	63.8	81.7	143.3	0.0	0.0	6.2	5.4	81.6
212	PANDA"R"-ADDAX X35905-253H-1Y-3M-0Y		3612.0	65.8	83.6	143.0	0.0	0.0	19.0	0.0	84.6
213	PANDA"R"-ADDAX X35905-282M-2Y-1M-0Y		3164.9	66.5	84.3	144.0	0.0	0.0	5.9	0.0	92.2
214	M2A-F5722 X MPE"R" X36044-1M-1Y-1M-0Y		3671.2	67.1	80.7	143.5	0.0	0.0	13.0	3.0	85.1
215	RM X BQL"S"-M2A/BCH"B" X36135-7M-1Y-1M-0Y		3671.3	66.5	83.5	147.0	0.0	0.0	7.5	10.0	91.7
216	ARS-MEXIPAK MUTI X BQL"S"/ABN"B" X36378-4M-1Y-2M-0Y		3401.1	63.7	83.7	143.0	0.0	0.0	9.4	0.6	88.0
217	ARS-MEXIPAK MUTI X BQL"S"/ABN"B" X36378-6M-1Y-2M-0Y		3589.8	63.3	84.6	144.7	0.0	10.0	7.7	0.0	84.0
218	PANTHER"S"-M1A X36471-22M-2Y-1M-0Y		3814.0	69.1	82.2	144.0	0.0	0.0	3.0	0.5	84.0
219	PANTHER"S"-M1A X36471-22M-2Y-2M-0Y		3903.3	71.7	82.8	144.8	0.0	0.0	0.8	0.5	83.1
220	M2A-CIN X M2A(2) X36437-7M-2Y-3M-0Y		3455.8	64.6	80.3	142.7	0.0	30.0	10.9	10.0	86.8
221	IRA-M1A X36445-16M-1Y-1M-0Y		3799.4	66.7	80.5	144.3	0.0	0.0	5.5	3.0	88.1
222	PANDA"S"-RM X36517-5M-1Y-1M-0Y		3407.4	70.7	81.9	144.5	0.0	0.0	1.6	0.5	90.5
223	PANDA"S"-RM X36517-86M-2Y-1M-0Y		3746.5	69.0	83.4	144.5	0.0	10.0	7.2	10.4	84.1
224	PANDA"S"-RM X36517-176M-1Y-2M-0Y		3509.2	70.0	79.5	144.2	0.0	0.0	17.5	5.0	93.3
225	RAHUM		3299.5	63.2	83.3	145.5	0.0	0.0	2.8	5.1	93.1
226	PAVON 76		3513.0	77.1	86.5	147.0	8.3	15.0	3.0	6.0	85.0
227	PANDA"S"-RM X36517-401H-1Y-0M		3619.8	67.7	85.1	143.3	0.0	0.0	8.2	10.5	93.5
228	PANDA"S"-RM X36517-497H-1Y-1M-0Y		3595.1	69.3	79.8	144.3	0.0	0.0	6.9	15.5	93.2
229	PANDA"S"-RM X36517-640H-1Y-1M-0Y		3266.7	65.9	81.5	144.5	0.0	0.0	2.2	10.0	90.2
230	PANDA"S"-RM X36517-1031J-1Y-0M		3618.9	66.8	79.6	144.3	0.0	0.0	10.3	10.4	98.7
231	PANDA"S"-RM X36517-1138H-1Y-1M-0Y		3277.1	67.1	83.2	143.2	0.0	0.0	8.9	21.1	84.7
232	PANDA"R"-ABN X36518-24H-3Y-3M-0Y		3253.4	69.1	81.7	142.7	0.0	0.0	4.3	20.0	84.9
233	PANDA"R"-ABN X36518-24H-3Y-5M-0Y		3254.6	67.9	81.6	142.5	0.0	0.0	2.8	21.0	87.3
234	PANDA"R"-ABN X36518-78H-1Y-1M-0Y		2964.8	66.2	82.7	143.0	0.0	0.0	2.1	20.4	78.8
235	PANDA"R"-ABN X36518-78H-1Y-6M-0Y		3275.4	68.2	82.2	144.2	0.0	0.0	4.4	25.0	77.6
236	PANDA"R"-ABN X36518-78H-1Y-7M-0Y		3459.6	67.5	82.3	143.8	0.0	0.0	3.5	25.0	78.0
237	PANDA"R"-ABN X36518-198H-1Y-0M		3624.8	69.4	80.5	143.3	0.0	0.0	13.4	2.6	88.9
238	PANDA"R"-ABN X36518-233H-3Y-1M-0Y		3633.4	68.3	81.3	144.7	0.0	0.0	5.6	10.0	83.4
239	PANDA"R"-ABN X36518-233H-3Y-2M-0Y		3331.4	67.6	81.3	143.3	0.0	0.0	9.5	10.0	82.3

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 D. W.	POND %	SEPT TRIT	SEPT NOOD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS /H2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
211	9.0	----	33.9	0.0	66.8	68.7	5.0	26.0	0.0	0.0	11.0	90.0	53.0	281.5
212	7.3	----	35.7	11.0	81.7	76.7	10.0	26.0	22.0	0.0	56.0	90.0	48.0	397.5
213	15.1	----	33.2	0.0	78.0	73.0	10.0	53.0	22.0	0.0	56.0	90.0	53.0	192.5
214	19.3	----	41.2	0.0	64.0	73.0	10.0	57.3	33.0	80.0	56.0	90.0	43.0	362.5
215	25.0	----	46.0	0.0	41.5	65.0	10.0	43.0	33.0	40.0	56.0	85.0	21.5	242.5
216	7.3	----	43.6	0.0	90.0	57.3	10.0	22.3	33.0	0.0	56.0	85.0	16.0	298.0
217	7.3	----	34.8	0.0	70.3	61.0	10.0	33.3	78.0	0.0	100.0	85.0	16.0	390.5
218	13.3	----	40.1	11.0	64.0	73.0	1.0	22.3	78.0	60.0	56.0	90.0	26.5	252.0
219	7.7	----	39.6	5.5	98.5	73.0	1.0	26.0	78.0	0.0	56.0	90.0	46.5	301.5
220	12.7	----	42.9	0.0	81.7	76.7	1.0	33.3	67.0	0.0	11.0	90.0	61.5	174.0
221	11.2	----	37.3	0.0	64.0	69.3	1.0	33.3	11.0	40.0	56.0	85.0	36.5	170.5
222	13.9	----	35.5	0.0	61.3	76.7	1.0	33.3	11.0	80.0	11.0	85.0	37.0	229.5
223	5.5	----	36.8	0.0	98.5	65.0	5.0	37.0	33.0	40.0	56.0	60.0	37.0	192.5
224	5.5	----	35.9	0.0	95.8	68.7	10.0	40.7	11.0	60.0	100.0	80.0	52.0	351.5
225	10.7	----	41.5	0.0	98.5	57.3	5.0	46.7	11.0	40.0	11.0	85.0	21.5	235.0
226	7.7	----	40.0	45.0	72.3	76.0	20.0	43.7	67.0	0.0	50.0	90.0	26.5	414.5
227	28.6	----	36.6	0.0	64.0	72.3	5.0	37.0	11.0	60.0	28.0	90.0	43.0	266.5
228	22.3	----	37.0	0.0	47.3	72.3	5.0	39.3	33.0	80.0	28.0	90.0	68.0	333.0
229	14.9	----	36.1	0.0	58.5	68.7	5.0	29.7	11.0	----	28.0	70.0	53.0	248.0
230	16.7	----	38.1	0.0	95.8	72.3	10.0	29.7	0.0	20.0	50.0	90.0	47.0	275.5
231	8.8	30.0	34.2	0.0	64.0	79.7	5.0	26.0	51.0	0.0	28.0	70.0	58.0	231.5
232	7.2	20.0	39.4	0.0	61.0	79.7	5.0	29.7	33.0	20.0	5.5	90.0	58.0	325.5
233	5.5	20.0	38.3	0.0	69.5	80.3	10.0	33.3	33.0	40.0	28.0	90.0	68.0	294.0
234	5.5	----	36.3	0.0	64.0	76.0	10.0	33.3	44.0	0.0	5.5	85.0	73.0	307.0
235	3.7	40.0	35.7	11.0	63.8	76.0	5.0	48.3	44.0	60.0	22.0	85.0	67.0	318.5
236	5.5	10.0	33.7	0.0	98.3	72.3	5.0	37.0	33.0	60.0	5.5	90.0	61.5	218.5
237	13.2	20.0	37.2	11.0	50.0	65.0	1.0	33.3	22.0	40.0	28.0	95.0	73.0	294.0
238	7.7	----	33.5	0.0	41.8	76.7	5.0	33.3	11.0	60.0	55.5	95.0	73.0	218.0
239	16.0	20.0	33.8	0.0	74.3	76.7	5.0	33.3	44.0	60.0	55.5	90.0	78.0	298.0

Table 2. (cont.)

VTY NO	VARIETY OR CROSS AND PEDIGREE	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	SIRP RT L	STRP RT. H	LEAF RUST	STEM RUST	PLNT HT
		(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
240	PANDA"R"-ABN X36518-413H-1Y-1M-0Y	3475.0	67.3	82.8	144.0	0.0	0.0	5.8	2.9	85.8
241	PANDA"R"-ABN X36518-459H-1Y-1M-0Y	3788.7	64.6	83.0	145.3	0.0	0.0	16.1	25.1	89.0
242	PANDA"R"-ABN X36518-57H-6Y-2M-0Y	3765.5	69.4	78.7	140.8	0.0	0.0	9.9	25.2	80.8
243	PANDA"R"-ABN X36518-458H-2Y-1M-0Y	3677.2	67.3	82.9	144.5	0.0	0.0	7.4	15.4	95.4
244	PANDA"S"-HPE"R" X36520-176H-1Y-0M	3370.7	67.8	82.0	142.5	0.0	10.0	3.4	5.0	90.7
245	PANDA"S"-HPE"R" X36520-313H-1Y-0M	3590.1	68.7	82.1	141.7	0.0	0.0	3.4	2.5	92.6
246	PANDA"S"-HPE"R" X36520-231H-3Y-2M-0Y	3332.7	64.6	81.1	142.2	0.0	0.0	6.1	7.5	90.1
247	PANDA"R"-YE X36521-40H-1Y-1M-0Y	3200.1	66.6	83.5	143.5	0.0	0.0	12.1	15.0	89.1
248	PANDA"R"-YE X36521-30H-2Y-2M-0Y	3262.8	68.8	82.3	144.3	0.0	0.0	10.1	20.1	84.6
249	PANDA"R"-YE X36521-248H-3Y-1M-0Y	3271.4	66.1	82.5	142.2	0.0	0.0	9.2	10.0	84.1
250	BEAGLE	4197.6	63.4	86.2	150.2	0.0	0.0	9.1	20.5	106.5
251	LINCE	2784.0	59.8	85.2	146.5	0.0	0.0	5.4	10.0	89.7
252	CIANO 79	3378.4	75.1	87.1	143.2	13.3	15.0	2.6	39.5	76.4
253	PANDA"R"-YE X36521-285H-1Y-1M-0Y	3290.2	66.0	78.9	143.0	0.0	0.0	6.6	0.5	83.8
254	IA-SPY X CIN/PTR"S" X37362-20M-1Y-1M-0Y	3615.1	68.6	83.3	145.3	0.0	0.0	5.6	10.0	89.5
255	IRA-BUNNY X FS477 X37684-F-1M-2Y-1M-0Y	3527.0	67.5	81.7	144.2	0.0	0.0	5.9	25.5	83.3
256	M2A-LNC"R" X M2A X37734-A-1M-2Y-1M-0Y	3603.9	64.1	79.6	143.5	0.0	0.0	5.3	20.1	83.8
257	NV-M2A(2) X BGL-M2A(2) X37894-F-1M-1Y-2M-0Y	3603.4	66.1	79.7	142.2	0.0	0.0	6.4	20.4	89.4
258	BGL"S"-ABN"R" X M2A(2)-HPE"R" X38005-A-1M-1Y-2M-0Y	3463.9	65.5	84.1	147.8	0.0	-----	8.0	22.0	96.8
259	ARM"S"105-BGL X M2A(2)/YE TC75 X38108-A-1M-1Y-1M-0Y	3690.2	65.9	81.8	144.5	0.0	0.0	9.5	0.0	87.4
260	M2A(2)-STR"S" X IA-ABN X38248-D-6M-1Y-1M-0Y	4009.2	63.1	86.4	149.2	0.0	0.0	10.7	5.0	94.8
261	(RH X BGL"S"-M2A/M2A(2))NV-LINCE X38302-D-1M-1Y-1M-0Y	3284.2	65.0	79.4	142.8	0.0	0.0	3.9	25.0	95.2
262	(RH X BGL"S"-M2A/M2A(2))NV-LINCE X38302-D-1M-1Y-2M-0Y	2877.0	65.0	78.2	140.0	0.0	0.0	13.4	35.0	92.9
263	(IA-TCL E3-ARM"B" X 1229-100B)NV"S"- FS1045 X38330-A-5M-1Y-1M-0Y	3361.5	64.2	86.4	147.2	0.0	0.0	2.6	40.4	80.7
264	(IA/TCL E3-ARM"B" X 1229-100B)NV"S"- FS1045 X38330-A-5M-1Y-4M-0Y	3926.5	63.9	87.9	145.5	0.0	0.0	6.7	20.5	92.3
265	NV-M2A(2)/CUYO X OCTO BULK-BUSH X38355-A-1M-2Y-1M-0Y	3550.9	67.6	83.1	147.2	0.0	0.0	11.0	26.0	95.6
266	NV-M2A(2)/CUYO X OCTO BULK-BUSH X38355-A-1M-2Y-3M-0Y	3321.8	66.4	82.5	145.7	0.0	0.0	5.1	34.0	95.3
267	TCC XVI 84T-0T-10Y-5M-0M	3995.6	65.0	87.0	147.5	0.0	20.0	3.7	0.0	113.9
268	FS3972-10M-ON X 6TA204-BC090 M2048-34M-2M-0M	3656.6	59.9	87.2	143.0	0.0	0.0	0.4	15.5	96.4

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 Q. W.	PDWD %	SEPT TRIT	SEPT NGDD	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS /M2
	(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)
240	19.7	20.0	36.2	11.0	74.3	65.0	5.0	22.3	22.0	100.0	28.0	90.0	53.0	205.5
241	15.0	20.0	39.1	0.0	59.7	57.3	5.0	33.3	33.0	60.0	28.0	85.0	21.0	213.0
242	11.2	20.0	39.7	11.0	74.3	83.3	5.0	33.3	33.0	80.0	28.0	85.0	66.5	276.0
243	15.0	-----	37.2	11.0	66.8	65.3	10.0	33.3	22.0	20.0	28.0	90.0	33.0	246.0
244	17.1	70.0	37.6	0.0	69.5	72.3	20.0	33.3	11.0	0.0	55.5	80.0	68.0	283.0
245	13.2	60.0	38.0	11.0	81.7	61.0	10.0	22.3	22.0	0.0	28.0	85.0	68.0	244.5
246	15.0	-----	37.3	0.0	53.0	76.0	5.0	41.0	33.0	60.0	5.5	90.0	68.0	313.0
247	17.8	-----	38.4	0.0	55.8	61.7	1.0	29.7	44.0	60.0	56.0	85.0	33.0	327.5
248	9.3	-----	36.8	0.0	52.8	61.7	10.0	29.7	44.0	40.0	67.0	90.0	38.0	272.0
249	10.9	20.0	40.9	0.0	61.3	73.0	10.0	29.7	44.0	80.0	44.5	85.0	68.0	239.0
250	13.4	-----	45.2	0.0	16.5	53.7	1.0	26.0	44.0	0.0	28.0	90.0	27.0	266.5
251	10.6	-----	37.2	0.0	41.5	53.7	5.0	26.0	22.0	40.0	33.5	90.0	32.0	173.5
252	9.3	-----	38.1	40.0	63.0	61.7	20.0	44.3	89.0	0.0	33.5	90.0	56.0	298.0
253	11.5	20.0	35.7	11.0	72.3	80.3	10.0	22.3	67.0	0.0	5.5	90.0	78.0	231.5
254	12.3	-----	42.6	0.0	41.5	61.0	5.0	26.0	33.0	20.0	28.0	90.0	52.0	277.0
255	13.2	-----	39.0	0.0	48.0	68.7	1.0	22.3	33.0	60.0	28.0	90.0	16.0	277.5
256	11.5	-----	37.4	0.0	39.0	73.0	5.0	26.0	33.0	0.0	5.5	90.0	61.5	287.0
257	13.0	-----	41.2	0.0	40.7	65.0	5.0	33.3	33.0	40.0	5.5	90.0	66.5	303.5
258	9.5	30.0	43.5	0.0	38.5	65.0	5.0	33.3	11.0	80.0	5.5	90.0	19.0	181.5
259	14.0	-----	46.1	0.0	63.0	68.7	1.0	50.0	33.0	0.0	44.5	85.0	36.0	303.5
260	7.7	-----	40.1	0.0	41.8	65.3	5.0	36.3	44.0	20.0	28.0	90.0	19.0	281.0
261	19.7	-----	42.0	0.0	58.3	72.3	10.0	44.3	33.0	80.0	28.0	85.0	61.0	205.5
262	15.7	-----	41.2	0.0	41.5	79.7	5.0	59.3	56.0	80.0	28.0	85.0	61.0	177.5
263	21.2	-----	38.4	0.0	59.3	57.3	10.0	37.0	33.0	0.0	28.0	90.0	36.0	288.5
264	11.0	-----	39.7	0.0	47.3	61.0	5.0	44.7	22.0	40.0	0.0	85.0	21.0	283.0
265	18.9	-----	43.7	0.0	61.0	65.0	1.0	33.3	22.0	20.0	5.5	90.0	16.0	222.0
266	28.1	-----	45.1	11.0	50.0	72.3	1.0	41.0	22.0	0.0	28.0	90.0	13.5	305.0
267	27.1	-----	40.3	0.0	44.3	49.7	5.0	37.0	44.0	0.0	28.0	90.0	16.0	281.5
268	21.4	-----	47.9	0.0	50.0	49.7	20.0	29.7	33.0	80.0	0.0	90.0	30.5	246.0

Table 2. (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	NOBS:	YIELD	TEST	FLOW	MAT	STRP	STRP	LEAF	STEM	PLNT
			KG/HA	WT	DAYS	DAYS	RT L	RT H	RUST	RUST	HT
			(50)	(10)	(47)	(6)	(4)	(1)	(13)	(2)	(47)
269	DRIRA X KISS-ARM"S" X21295		4454.1	65.6	85.9	146.8	1.7	20.0	15.2	17.0	111.8
270	DRIRA X KISS-ARM"S" X21295		4160.5	68.8	86.2	146.3	0.0	0.0	14.8	15.0	113.0
271	DRIRA X KISS-ARM"S" X21295		4368.4	67.2	86.3	149.7	0.0	10.0	12.9	21.0	114.3
272	IA-KLA X CAL-BQL B-199		4010.7	66.2	82.1	144.5	0.0	0.0	17.3	15.0	102.5
273	IA-KLA X CAL-BQL B-199		3866.4	71.2	84.8	149.5	0.0	0.0	3.0	0.0	118.1
274	IA-KLA X CAL/BQL B-199		3670.5	68.2	85.5	150.5	0.0	0.0	1.7	0.0	116.5
275	BACUM		3078.2	63.7	82.2	144.2	0.0	0.0	7.1	2.5	93.8
276	BEAGLE		4077.8	62.7	86.6	147.7	0.0	10.0	7.6	20.5	110.6
277	IA-KLA X CAL/BQL B-199		3701.0	69.2	86.8	149.3	0.0	0.0	1.0	0.5	115.9
278	IA-KLA X CAL-BQL B-199		3540.3	70.0	86.0	149.3	0.0	0.0	6.5	0.0	118.0
279	M2A-KTZ12 X BOL B-175		4101.7	69.6	86.3	150.5	0.0	0.0	13.4	2.5	113.8
280	M2A-KTZ12 X BOL B-175		4049.4	67.9	86.2	149.8	0.0	0.0	4.0	0.5	116.8
281	IRA-DRIRA B-507		4203.9	67.8	82.0	144.5	0.0	0.0	3.3	0.5	105.0
282	IRA-DRIRA B-507		3873.2	67.3	81.9	143.3	0.0	0.0	4.4	0.0	105.2
283	IRA-DRIRA B-507		3918.1	65.8	82.0	144.5	0.0	0.0	8.6	0.6	104.6
284	IRA-DRIRA B-507		4083.3	67.2	82.2	144.2	0.0	0.0	11.0	0.5	104.3
285	(CML-PATO X KISS DMF/BQL)BQL BB-823		4595.4	67.3	85.9	149.3	0.0	0.0	0.6	35.0	108.6

Table 2. (cont.)

VTY	LODG %	SHTR %	1000 O. H.	POMD %	SEPT TRIT	SEPT NODO	LEAF FIRE	FRST DMGE	SCAB %	BYDV	HELM	GERM %	BACT STRP	EARS /M2
(7)	(1)	(3)	(4)	(5)	(3)	(1)	(3)	(2)	(1)	(2)	(1)	(2)	(2)	
269	13.4	-----	49.9	0.0	41.5	46.0	1.0	37.0	67.0	80.0	44.5	85.0	19.0	203.5
270	19.7	-----	48.5	0.0	27.8	53.7	1.0	33.3	67.0	20.0	67.0	85.0	19.0	275.5
271	19.7	-----	52.0	0.0	51.7	50.0	1.0	26.0	67.0	0.0	67.0	90.0	19.0	257.0
272	23.0	-----	45.4	0.0	39.0	68.7	1.0	40.7	56.0	40.0	11.0	90.0	37.0	246.0
273	22.3	-----	49.0	0.0	55.3	53.7	1.0	33.3	56.0	0.0	28.0	75.0	19.0	190.5
274	22.7	-----	49.7	0.0	50.0	53.3	1.0	57.0	56.0	0.0	5.5	85.0	21.5	155.5
275	20.5	60.0	41.9	0.0	70.3	72.3	5.0	22.3	33.0	40.0	28.0	85.0	51.0	214.5
276	15.6	-----	49.5	0.0	29.7	49.7	1.0	22.3	33.0	0.0	5.5	90.0	19.0	276.0
277	14.0	-----	51.8	0.0	44.3	57.3	1.0	37.0	67.0	0.0	28.0	90.0	19.0	248.0
278	16.9	-----	51.3	0.0	22.0	57.3	1.0	29.7	67.0	0.0	28.0	90.0	26.5	277.5
279	18.3	-----	49.4	0.0	40.7	50.0	1.0	26.0	22.0	0.0	28.0	90.0	21.5	207.0
280	30.3	-----	43.9	11.0	22.3	49.7	1.0	29.7	44.0	0.0	0.0	90.0	21.0	353.5
281	18.4	-----	42.4	0.0	48.3	61.0	5.0	48.3	33.0	0.0	28.0	90.0	26.5	276.0
282	21.7	-----	44.7	0.0	33.3	61.0	5.0	37.0	11.0	0.0	28.0	85.0	19.0	266.5
283	18.7	-----	44.0	0.0	37.0	65.0	5.0	33.3	56.0	20.0	28.0	90.0	27.0	290.5
284	17.0	-----	44.2	0.0	39.0	57.3	5.0	37.0	11.0	20.0	28.0	90.0	10.5	288.5
285	9.2	-----	47.3	0.0	36.7	53.7	5.0	29.7	33.0	0.0	28.0	90.0	11.5	418.0

Table 3. Top performance entries: Yield

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT
			MOBS:	(50)	(10)	(47)
285	(CML-PATO X KISS DWF/BGL)BGL BB-823			4595.4	67.3	108.6
45	JUANILLO 100			4575.4	66.2	112.1
169	W74.103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-3M-2Y-2M-0Y			4538.5	70.1	108.4
46	JUANILLO 207			4498.6	66.5	111.8
24	TOPD 1418			4491.1	66.4	101.1
44	JUANILLO 90			4468.5	67.3	111.0
34	IA-M2A X P162/BGL X16304-500B-501Y-506B-0Y			4459.6	69.9	112.4
269	DRIRA X KISS-ARM"S" X21295			4454.1	65.6	111.8
167	W74.103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-1M-2Y-0M			4452.1	69.3	109.5
74	BGL"S"-ADDAX X27407-1H-1Y-1M-1Y-1M-0Y			4409.9	66.6	97.1
168	W74.103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-1M-3Y-0M			4380.4	69.2	107.7
30	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-2B-0Y			4380.4	65.2	112.6
116	NAVOJOA-LINCE X31100-5Y-1M-2Y-0M			4370.1	67.7	94.9
271	DRIRA X KISS-ARM"S" X21295			4368.4	67.2	114.3
170	W74.103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-3M-1Y-0M			4355.4	69.5	106.5
60	FS1795-LINCE X24369-4H-1Y-1M-1Y-0M			4345.9	70.1	110.2
32	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-2B-1Y-1M-0Y			4320.0	64.3	107.0
63	BVR"S"-ABN"R" X24560-9Y-3M-1Y-0M			4275.5	66.4	89.7
15	DELFIN 205			4265.0	69.2	109.2
281	IRA-DRIRA B-507			4203.9	67.8	105.0
250	BEAGLE			4197.6	63.4	106.5
57	ABN"R"-M1A X24319-1Y-4M-2Y-0M			4178.7	64.3	89.7
28	TOPD 1419			4162.4	63.5	100.8
119	BCM"S"-ADDAX X31185-8Y-1M-2Y-1M-0Y			4162.1	66.3	93.2
270	DRIRA X KISS-ARM"S" X21295			4160.5	68.8	113.0
172	BCM X IRA-CAL X34485-A-1M-1Y-1M-0Y			4130.6	70.3	89.3
48	BGL"S"/BGL"S" X ITA-LED X22551-100Y-100Y-13M-1Y-1M-0Y			4116.1	62.8	101.5
279	M2A-KT712 X BGL B-175			4101.7	69.6	113.8
31	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-3B-0Y			4094.4	66.0	106.9

Table 4. Top performance entries: Test weight

VTY NU	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	TEST	YIELD	PLNT	
				WT	KG/HA	HT	
				NOBS.	(10)	(50)	(47)
226	PAVON 76			77.1	3513.0	85.0	
26	PAVON 76			76.5	3268.5	81.8	
252	CIANO 79			75.1	3378.4	76.4	
126	CIANO 79			74.8	3112.2	77.0	
177	NACQZARI 76			73.8	3589.7	78.3	
219	PANTHER"S"-M1A X36471-22H-2Y-2M-0Y			71.7	3903.3	83.1	
77	NACQZARI 76			71.6	3532.3	75.2	
273	IA-KLA X CAL-BGL B-199			71.2	3866.4	118.1	
200	LOCAL CHECK			71.0	3851.8	92.7	
222	PANDA"S"-RM X36517-5H-1Y-1M-0Y			70.7	3407.4	90.5	
172	BCM X IRA-CAL X34485-A-1M-1Y-1M-0Y			70.3	4130.6	89.3	
199	PANDA"S"-BCM"S" X35784-423H-1Y-2M-0Y			70.3	3554.0	90.3	
86	M2A-M1A X27947-24H-1Y-1M-1Y-1M-0Y			70.1	3683.1	85.9	
169	W74. 103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-3M-2Y-2M-0Y			70.1	4538.5	108.4	
60	FS1795-LINCE X24369-4H-1Y-1M-1Y-0M			70.1	4345.9	110.2	
278	IA-KLA X CAL-BGL B-199			70.0	3540.3	118.0	
224	PANDA"S"-RM X36517-176H-1Y-2M-0Y			70.0	3509.2	93.3	
19	MUSKDX 32			69.9	3701.6	103.3	
34	IA-M2A X PI62/BGL X16304-500B-501Y-506B-0Y			69.9	4459.6	112.4	
198	PANDA"R"-MASTIFF"S" X35783-17H-2Y-1M-0Y			69.9	3395.3	85.0	
279	M2A-KT112 X BGL B-175			69.6	4101.7	113.8	
170	W74. 103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-3M-1Y-0M			69.5	4355.4	106.5	
117	NV"S"-BGL X31109-3H-1Y-1M-0Y			69.5	2952.7	83.1	
237	PANDA"R"-ABN X36518-198H-1Y-0M			69.4	3624.8	88.9	
242	PANDA"R"-ABN X36518-57H-6Y-2M-0Y			69.4	3765.5	80.8	
167	W74. 103-ADDAX/BGL"S"-M2A X IRA X33470-C-1Y-1M-2Y-0M			69.3	4452.1	109.5	
228	PANDA"S"-RM X36517-497H-1Y-1M-0Y			69.3	3595.1	93.2	
35	CIN-PI62 X PATO-BGL X16350			69.3	3849.3	104.1	
15	DELFIN 205			69.2	4265.0	109.2	
22	ZEBU"S"-FS3B1 X15667-5Y-5M-1Y-1M-1Y-2M-0Y			69.2	3627.2	107.0	

Table 5. Top performance entries: Days to flower

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	FLOW	MAT	YIELD	PLNF	
				DAYS	DAYS	KG/HA	HT	
				NOBS	(47)	(6)	(50)	(47)
262	(RM X BGL"S"-M2A/M2A(2))NV-LINCE X38302-D-1M-1Y-2M-0Y			78.2	140.0	2877.0	92.9	
155	TCL E3-ARM"S"/CNO"S"-CALLO X BB-INIA X32694-2Y-2B-2Y-0B			78.6	143.8	3340.1	85.3	
242	PANDA"R"-ABN X36518-57H-6Y-2M-0Y			78.7	140.8	3765.5	80.8	
121	BCM"S"-IA X31186-6Y-3M-1Y-0M			78.8	138.3	3714.1	84.1	
253	PANDA"R"-YE X36521-285H-1Y-1M-0Y			78.9	143.0	3290.2	83.8	
261	(RM X BGL"S"-M2A/M2A(2))NV-LINCE X38302-D-1M-1Y-1M-0Y			79.4	142.8	3284.2	95.2	
224	PANDA"R"-RM X36517-176H-1Y-2M-0Y			79.5	144.2	3509.2	93.3	
189	PANDA"R" X DCTD BULK-BUSH X35781-72H-1Y-1M-0Y			79.5	142.8	3264.7	93.4	
230	PANDA"R"-RM X36517-1031J-1Y-0M			79.6	144.3	3618.9	98.7	
256	M2A-LNC"R" X M2A X37734-A-1M-3Y-1M-0Y			79.6	143.5	3603.9	83.8	
257	NV-M2A(2) X BGL-M2A(2) X37894-F-1M-1Y-2M-0Y			79.7	142.2	3603.4	89.4	
153	CIT"R"-SPY X IA-BUSH X32610-4Y-1M-2Y-2M-0Y			79.8	145.2	3407.1	88.3	
228	PANDA"R"-RM X36517-497H-1Y-1M-0Y			79.8	144.3	3595.1	93.2	
145	M2A(2)-FS3284 X31806-A-4Y-5M-1Y-0M			79.8	144.3	3438.0	92.6	
5	BACUM			79.9	145.0	3461.4	89.8	
53	NV-M1A X23646-7Y-7M-2Y-0M			80.0	142.5	3597.6	82.9	
152	CIT"R"-SPY X IA-BUSH X32610-4Y-1M-1Y-1M-0Y			80.1	145.8	3005.4	87.7	
186	IRA X IGA-IRA X35434-B-1M-1Y-1M-0Y			80.1	144.5	3568.5	81.7	
210	PANDA"R"-LINCE X35786-659H-1Y-3M-0Y			80.2	142.7	3381.3	83.1	
198	PANDA"R"-MARTIFF"S" X35783-17H-2Y-1M-0Y			80.2	142.7	3395.3	85.0	
220	M2A-CIN X M2A(2) X36437-7H-2Y-3M-0Y			80.3	142.7	3455.8	86.8	
237	PANDA"R"-ABN X36518-198H-1Y-0M			80.5	143.3	3624.8	88.9	
221	IRA-M1A X36445-16M-1Y-1M-0Y			80.5	144.3	3799.4	88.1	
172	BCM X IRA-CAL X34485-A-1M-1Y-1M-0Y			80.6	144.8	4130.6	89.3	
173	SETTER-PANDA"R" X34530-422H-2Y-0M			80.7	143.5	3433.2	94.3	
214	M2A-FS722 X MPE"R" X36044-1M-1Y-1M-0Y			80.7	143.5	3671.2	85.1	
208	PANDA"R"-LINCE X35786-381H-1Y-1M-0Y			80.9	142.8	3934.0	98.7	

Table 6. Top performance entries: Leaf rust

VITY NO	VARIETY OR CROSS AND PEDIGREE,	GRAIN	ORIGIN	LEAF	STRP	STEM	
				RUST	RT L	RUST	
				NOBS	(13)	(4)	(2)
72	T107 1B-M2A X M2A X25723-B-1Y-3M-1Y-0M			0.1	0.0	2.5	
93	RM"S"-PANTHER"S" X29340-1M-1Y-1M-1Y-2M-0Y			0.1	0.0	10.5	
50	CABORCA 79			0.1	0.0	2.6	
42	PG"S"-CENT BULK X ABN X19260-100Y-2M-1Y-0M			0.1	0.0	5.5	
61	M1A-FS477 X24401-B-1Y-3M-1Y-2M-4Y-1M-0Y			0.2	0.0	0.5	
68	ABN-SAPSUCKER"S" X25449-2B-3Y-2B-1Y-0B			0.2	0.0	7.6	
24	TOPD 141B			0.2	0.0	2.5	
92	IRA-NURI"S" X M2A X29093-8M-10Y-1M-5Y-1M-0Y			0.2	0.0	10.4	
143	PTR"R"-ADDAX X31729-B-1Y-1M-1Y-1M-0Y			0.2	0.0	0.0	
122	BCM"S"-IA X31186-6Y-4M-1Y-2M-0Y			0.2	0.3	2.9	
52	YR"R"-WRENS X M2A X22723-1M-2Y-1M-2Y-0M			0.3	0.0	20.0	
71	IRA-KAL X ABN X25697-B-1Y-1B-1Y-3B-0Y			0.3	0.0	0.5	
91	IRA-NURI"S" X M2A X29093-3M-1Y-4M-2Y-1M-0Y			0.3	0.0	2.6	
193	PANDA"S" X OCTO BULK-BUSH X35781-395M-1Y-0M			0.3	0.0	2.6	
11	M2A-IA X12665-11Y-3Y-9M-1Y-1M-100Y-0M			0.3	0.0	0.0	
32	TEJON-BQL"S" X16134-35Y-1Y-1M-1Y-2B-1Y-1M-0Y			0.3	0.0	0.0	
53	NV-M1A X23646-7Y-7M-2Y-0M			0.4	0.0	11.0	
23	SHEPHERD"S" X15754-A-1Y-2M-1Y-2M-0Y			0.4	0.0	16.0	
69	BQL"S"-PJ62 X NV"R" X25664-A-1Y-4B-2Y-1B-0Y			0.4	0.0	20.1	
268	FS3972-10M-0M X 6TA204-8C090 W204B-34W-2M-0M			0.4	0.0	15.5	
54	M2A-BULK E2 X NV"S" X24207-3Y-1M-3Y-2M-1Y-0M			0.4	0.0	10.7	
2	CABORCA 79			0.4	0.0	5.5	
31	TEJON-BQL"S" X16134-35Y-1Y-1M-1Y-3B-0Y			0.4	3.5	0.0	
73	M2A-RH X27342-13Y-1M-0Y			0.4	0.0	26.0	
183	PANTHER"S"-GAZELLE"S" X34819-11M-1Y-1M-0Y			0.5	0.0	0.0	
173	SETTER-PANDA"S" X34530-422M-2Y-0M			0.5	0.0	3.5	
201	CABORCA 79			0.5	0.0	5.0	
204	PANDA"R"-LINCE X35786-1Y-1M-2Y-1M-0Y			0.5	0.0	0.4	

Table 6. (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	LEAF RUST	STRP RT L	STEM RUST
				NOBS: (13)	(4)	(2)
106	M4-FS1795 X BGL"S" X29755-B-1M-2Y-5M-2Y-1M-0Y			0.5	0.0	5.0
181	SETTER-PANDA"S" X34530-113H-5Y-2M-0Y			0.5	0.0	5.0
30	TEJON-BGL"S" X16134-35Y-1Y-1M-1Y-2B-0Y			0.5	3.3	0.5
152	CIT"S"-SPY X IA-BUSH X32610-4Y-1M-1Y-1M-0Y			0.5	0.0	2.6
153	CIT"S"-SPY X IA-BUSH X32610-4Y-1M-2Y-2M-0Y			0.5	0.0	2.7
67	ABN-SAPSUCKER"S" X25449-1B-3Y-2B-3Y-2B-0Y			0.5	0.0	3.0
31	RAHUM			0.5	0.0	17.5
163	(DRIRA/M2A-IA X ARS)ABN"R" X32994-B-2Y-1M-3Y-0M			0.6	0.0	0.9
186	IRA X IGA-IRA X35434-B-1M-1Y-1M-0Y			0.6	0.0	5.0
285	(CPL-PATO X KISS DWF/BGL)BGL 88-823			0.6	0.0	35.0
59	M2A-BULK EZ X CPL"S" X24209-3Y-1M-3Y-1M-2Y-0M			0.7	0.0	5.0
66	ABN-MORR X25448-2B-3Y-2B-1Y-2B-0Y			0.7	0.0	2.5
130	PANTHER"R"-ADDAX X31729-A-4Y-1M-1Y-0M			0.7	0.0	45.0
29	IA-M2A X15946-8Y-3Y-4M-2Y-1B-0Y			0.7	0.0	0.7
124	ABN"R"-IA X31233-21Y-2M-1Y-1M-0Y			0.7	0.0	8.0
197	PANDA"S" X OCTO BULK-BUSH X35781-119H-4Y-1M-0Y			0.8	0.0	20.4
205	PANDA"R"-LINCE X33786-61H-1Y-1M-0Y			0.8	0.0	10.1
47	RM X H277.69-UMX2(2) X22107-100Y-1M-2Y-3M-4Y-0M			0.8	0.0	10.3
219	PANTHER"S"-M1A X36471-22M-2Y-2M-0Y			0.8	0.0	0.5
96	M2A(2)-M1A X IA X29557-H-3M-1Y-1M-2Y-2M-0Y			0.8	0.0	10.0
118	RM X OCTO BULK-BUSH X31121-1Y-1M-1Y-0M			0.9	0.0	5.5
109	M2A-ANZA X30276-3B-14Y-4B-1Y-1B-0Y			0.9	0.0	0.6
86	M2A-M1A X27947-24M-1Y-1M-1Y-1M-0Y			0.9	0.0	3.0
192	PANDA"S" X OCTO BULK-BUSH X35781-368H-1Y-1M-0Y			0.9	0.0	0.5
56	M2A-BUNNY X24312-1M-1Y-1M-1Y-1M-0Y			1.0	0.0	0.0
101	CANANEA 79			1.0	1.7	0.7
277	IA-KLA X CAL/BGL 8-199			1.0	0.0	0.5
146	GOPHER-ADDAX X31975-10M-2Y-4M-0Y			1.0	0.0	3.0

Table 7. Grain technology data, in entry order

GRAIN TECHNOLOGY OF THE VARIETIES INCLUDED IN THE 12TH ITSN, USING SEED FROM CIANO, YAQUI VALLEY, MEXICO (1979-80), DETERMINED

IN CIMMYT WHEAT QUALITY LABORATORY

Origin Y-79 80	Test Weight kg/HL	Grain Size Factor	PK min	% Pearling Index	% Flour Yield	Falling Number (SFC)		% Dry Gluten in Prot.	% Flour Protein	Sedimen- tation C.C.	Mixo- graphic Form	Mixing time min.	Baking		Cookies	
						Grain	Flour						Loaf Vol. C.C.	H ₂ O % Abs.	Spread Factor	General Appearance
SN-1	69.4	513.4	33	59.5	66.8	85	182	-	10.4	17	2	0:45	730	58.0	77.9	R
2	74.0	528.1	40	52.5	66.9	84	186	7.3	10.4	20	2	1:00	645	58.0	83.7	B
3	73.9	506.9	68	56.5	62.8	71	143	7.6	10.9	26	3	1:15	725	58.0	72.1	R
4	68.8	595.2	33	51.5	67.6	296	290	7.5	10.2	18	1	0:40	465	59.8	68.6	P
5	74.2	513.8	34	48.5	67.7	62	72	6.1	9.6	12	1	0:40	510	57.2	77.9	R
6	72.6	504.0	31	57.0	68.5	248	213	6.6	9.5	14	1	0:40	555	57.2	87.2	B
7	71.0	521.8	38	54.5	60.1	73	149	7.3	10.4	20	2	0:55	655	58.0	70.9	P
8	72.9	521.6	36	51.5	66.1	247	239	6.3	9.8	15	1	0:40	500	58.0	82.6	B
9	75.0	508.4	34	53.5	66.4	86	181	6.4	9.8	17	2	0:55	590	58.5	79.1	R
10	73.4	515.0	33	61.5	69.0	142	263	6.4	9.9	17	2	0:50	675	58.0	86.0	B
11	72.1	499.8	33	57.0	69.8	248	278	6.2	9.7	14	2	0:40	555	59.0	87.2	B
12	72.7	528.0	31	56.0	62.0	143	198	6.9	9.7	18	1	0:40	580	59.5	72.1	R
13	75.4	524.8	34	52.5	67.6	62	93	7.4	9.7	18	1	0:45	610	59.5	80.2	R
14	76.3	552.1	25	55.0	68.0	63	70	7.4	10.1	17	1	0:40	600	58.0	83.7	B
15	73.3	512.9	42	47.0	69.7	233	188	6.4	10.0	20	2	0:50	580	59.8	67.4	P
16	70.5	543.0	31	49.0	66.7	326	238	6.8	9.6	17	2	0:50	475	60.2	70.9	P
17	71.0	518.4	37	50.0	67.4	99	148	6.7	9.3	17	1	0:45	515	59.9	66.3	P
18	73.3	521.6	42	44.0	67.2	254	233	7.2	9.5	25	2	1:25	605	60.4	67.4	P
19	74.0	507.4	51	47.0	65.2	132	268	6.0	10.0	21	2	1:00	500	61.3	59.3	P
20	72.9	515.8	73	44.0	68.2	440	401	7.0	9.8	21	2	1:10	535	61.0	62.8	P
21	72.6	546.5	36	60.0	69.6	185	394	7.6	10.8	19	1	0:40	640	59.0	77.9	R
22	72.7	543.4	37	59.5	69.8	145	229	6.8	10.8	19	1	0:40	635	59.0	76.7	R
23	75.5	500.8	40	48.0	59.0	148	255	-	10.3	25	2	1:30	710	60.6	70.9	P
24	72.5	513.6	61	42.5	67.1	181	209	7.1	9.5	26	3	1:45	705	60.7	68.6	P
25	69.4	505.7	32	60.5	69.2	112	203	7.6	10.2	18	1	0:40	720	59.3	81.4	B
26	81.2	531.2	68	42.5	72.9	741	885	9.6	10.9	36	2	2:00	790	68.3	66.3	P
27	71.1	537.7	29	54.0	66.0	218	220	7.7	10.1	20	1	0:40	525	60.8	62.8	P
28	72.8	526.2	61	46.5	65.4	106	206	7.3	9.9	25	2	1:15	665	61.5	65.1	P
29	74.4	499.4	44	59.0	66.3	146	332	7.0	10.1	25	3	1:10	725	59.3	79.1	R
30	71.3	534.4	31	51.0	71.4	202	283	7.0	9.2	18	2	0:40	505	59.4	69.8	P
31	72.2	536.8	30	50.0	69.4	157	307	5.9	9.4	16	1	0:40	505	58.0	79.1	R
32	72.1	540.5	32	51.5	69.6	282	290	6.2	9.0	10	1	0:40	480	57.5	77.9	R
33	74.4	519.2	34	67.5	71.1	115	153	7.0	9.8	12	1	0:40	635	57.5	81.4	B
34	73.5	515.7	34	47.5	71.8	329	320	7.3	9.6	10	1	0:40	415	57.5	66.3	P
35	73.9	512.4	46	46.5	71.7	122	284	6.8	9.8	21	2	1:00	580	59.5	54.6	P
36	72.5	547.0	42	51.5	71.2	202	266	6.5	9.2	18	1	0:55	550	59.0	67.4	P
37	73.0	499.4	40	60.0	63.0	293	298	7.5	10.7	20	2	0:50	535	58.5	80.2	R
38	71.0	540.4	38	47.0	72.7	418	412	6.2	9.2	12	1	0:40	450	57.5	65.1	P
39	73.0	514.4	24	55.0	69.1	82	98	6.6	9.6	14	1	0:40	550	56.5	81.4	B
40	70.8	521.0	61	41.5	61.0	311	294	6.5	9.7	21	2	1:20	615	61.0	61.6	P
41	75.7	521.1	43	53.0	68.6	149	183	7.7	10.6	17	1	0:40	575	58.0	83.7	B
42	73.2	520.4	28	65.0	68.4	178	226	6.7	10.0	11	1	0:35	475	58.0	77.9	R
43	74.7	530.2	41	54.5	69.6	85	103	7.0	9.8	18	2	0:45	630	58.0	97.7	MB
44	72.9	532.8	50	46.0	71.8	324	328	6.5	9.6	23	2	0:50	545	57.9	64.0	P
45	73.3	541.8	39	46.0	68.7	388	292	6.4	9.2	20	2	0:50	500	58.0	60.5	P
46	72.9	528.6	48	47.5	70.1	363	290	6.7	9.6	22	2	0:55	565	59.7	74.4	R
47	73.4	483.8	48	57.5	69.2	354	216	7.3	10.6	23	2	0:45	690	60.7	60.5	P
48	69.0	556.4	31	46.5	67.3	219	262	6.2	9.0	14	1	0:40	395	57.5	69.8	P
49	77.4	515.8	20	50.5	65.5	138	166	6.5	9.4	12	2	0:45	395	58.7	67.4	P
50	74.5	504.0	43	59.0	68.4	192	137	7.6	10.7	20	2	0:45	675	58.0	84.9	B
51	71.3	507.0	55	56.6	62.8	88	102	7.7	10.9	24	3	1:10	695	58.0	87.2	B
52	74.5	507.2	40	54.0	68.3	168	166	7.2	10.0	15	1	0:45	545	57.5	79.1	R
53	72.4	501.6	42	58.5	66.6	181	164	6.8	10.2	19	2	0:45	595	58.0	88.4	B
54	75.2	501.0	42	58.5	69.3	87	165	6.3	10.1	14	1	0:40	500	57.5	72.1	R
55	73.6	492.4	41	56.0	67.9	72	126	7.2	10.3	17	2	0:50	590	58.0	75.6	R
56	75.4	498.0	38	52.5	69.3	148	167	6.4	9.3	13	1	0:40	495	57.5	64.0	P
57	74.5	527.3	39	58.0	65.9	116	202	6.5	9.6	15	1	0:40	540	57.5	70.9	R
58	75.7	523.2	41	52.5	66.2	68	109	5.6	9.1	12	1	0:40	530	57.5	81.4	B
59	75.8	521.8	40	55.0	66.2	71	114	6.0	9.5	11	1	0:40	495	57.5	73.2	R
60	76.7	533.7	38	49.5	69.4	97	179	6.3	9.5	15	1	0:40	435	57.5	70.9	R
61	74.7	498.2	37	54.0	65.8	262	243	5.2	10.0	13	1	0:40	450	57.5	62.8	P
62	75.8	506.6	42	62.0	66.1	247	255	7.1	10.6	13	1	0:35	480	57.5	90.7	MB
63	72.4	512.0	34	53.5	66.2	138	228	4.6	9.3	12	1	0:40	475	57.5	76.7	R
64	73.2	528.4	37	59.0	65.6	154	220	5.3	9.7	11	1	0:35	460	57.5	79.1	R
65	73.2	532.6	35	58.0	66.1	148	188	6.0	10.2	12	1	0:40	485	57.5	93.0	MB
66	73.8	529.1	34	56.5	65.2	118	212	6.2	10.1	13	1	0:40	450	57.5	77.9	R
67	74.3	504.0	46	54.0	66.7	89	112	6.0	9.7	16	2	0:45	625	57.5	70.9	R
68	74.1	510.1	34	51.5	64.3	113	124	6.2	9.5	15	2	0:45	600	57.5	72.1	R
69	73.4	505.3	34	53.5	62.1	110	146	8.4	11.0	15	1	0:40	690	57.5	67.4	P
70	74.6	514.2	33	49.0	63.6	264	227	5.6	9.6	14	1	0:40	510	57.2	69.8	P
71	75.1	525.3	36	49.0	64.0	298	285	5.6	9.3	15	2	0:45	465	59.1	73.2	R
72	72.5	490.2	31	63.5	66.0	277	250	6.6	10.0	12	1	0:40	465	59.3	79.1	R
73	73.2	531.7	35	51.0	63.0	83	141	6.7	10.4	21	2	1:10	610	58.0	82.6	B
74	72.0	529.6	29	57.0	71.4	212	318	6.0	9.3	15	1	0:45	505	57.5	75.6	R
75	73.3	--*	30	53.0	66.8	90	122	7.0	10.2	16	2	0:40	610	57.8	70.9	R
76	70.9	527.5	36	61.0	65.5	126	175	7.5	11.2	19	1	0:45	550	59.1	67.4	P
77	80.5	--*	37	44.5	74.6	988	931	8.9	10.0	23	3	1:55	740	69.8	65.1	P
78	74.6	500.9	33	56.5	63.5	102	172	6.5	9.6	12	1	0:45	495	58.7	69.8	P
79	75.5	502.5	30	56.5	62.2	104	158	6.7	9.7	11	2	0:45	500	57.5	77.9	R
80	75.3	500.3	33	56.0	60.8	112	158	5.4	10.0	19	2	0:50	530	58.0	76.7	R
81	76.0	526.5	28	54.0	63.6	109	171	7.2	10.2	14	1	0:45	450	57.8	81.4	B
82	71.9	523.4	32	61.0	70.1	176	242	6.6	9.9	17	2	0:50	545	58.0	79.1	R
83	72.0	487.5	53	51.0	69.2	264	346	6.1	9.4	25	3	1:20	650	60.7	66.3	P
84	75.2	509.6	32	58.5	64.7	78	192	6.2	10.0	13	1	0:40	475	57.5	81.4	B
85	7															

Table 7. (cont.)

Origin Y-79 80	Test Weight Kg/Hl	Grain Size Factor	PK min	% Pearling Index	% Flour Yield	Falling Number (SEC)		% Dry Gluten in Prot.	% Flour Protein	Sedimen- tation C.C.	Mixo- graphic Form	Mixing time min.	Baking		Cookies	
						Grain	Flour						Loaf Vol. C.C.	H ₂ O % Abs.	Spread Factor	General Appearance
SM91	74.2	527.7	23	58.0	67.7	72	107	6.0	9.5	11	1	0:40	495	57.5	93.0	MB
92	72.4	548.8	23	62.0	68.4	286	218	5.2	9.0	9	1	0:35	465	56.0	89.5	B
93	75.7	544.5	32	52.5	60.4	62	93	6.4	9.9	15	2	0:50	515	57.5	80.2	B
94	76.2	499.6	26	57.0	68.6	308	206	5.7	9.6	13	1	0:40	465	57.5	87.2	B
95	77.4	538.2	27	58.5	67.9	84	154	6.8	9.9	14	1	0:40	575	57.5	93.0	MB
96	75.2	512.2	30	59.0	63.5	167	192	6.1	9.4	19	2	1:00	535	57.5	83.7	B
97	72.8	525.8	27	58.0	64.5	324	229	5.4	9.5	12	2	0:40	430	57.5	81.4	B
98	73.0	538.2	28	56.5	63.7	290	203	6.4	9.9	13	1	0:40	450	57.5	73.2	R
99	74.3	519.8	38	57.0	64.9	135	135	6.2	10.3	17	1	0:40	475	57.5	79.1	R
100	74.0	508.8	32	57.5	63.2	234	203	7.2	10.1	17	2	0:50	495	58.8	70.9	R
101	69.9	506.8	28	61.5	66.4	172	212	7.1	10.4	16	2	1:05	730	58.1	81.4	B
102	72.7	465.0	26	58.5	65.6	279	270	7.5	10.5	18	1	0:40	580	57.6	77.9	R
103	76.5	516.6	26	55.5	67.9	227	208	6.4	9.9	12	1	0:40	450	57.0	76.7	R
104	76.6	514.6	30	53.5	68.0	126	202	6.3	9.5	12	1	0:45	400	58.2	70.9	R
105	70.2	553.4	28	47.0	67.1	276	341	6.1	9.3	16	2	0:50	490	58.4	61.6	P
106	70.0	529.1	44	50.0	68.9	252	329	5.0	8.6	19	3	1:10	490	58.9	65.1	P
107	74.1	505.0	43	53.0	65.3	63	129	7.1	9.9	19	2	0:45	580	58.0	73.2	R
108	73.4	492.8	51	50.5	65.7	95	155	7.6	11.1	24	2	1:05	690	59.5	73.2	R
109	71.7	510.1	36	53.5	64.2	128	244	8.0	10.6	18	1	0:40	545	58.0	73.2	R
110	75.6	502.1	34	49.5	62.2	121	225	7.5	10.2	16	2	0:45	560	58.3	77.9	R
111	72.3	527.2	35	53.5	61.7	118	198	7.4	10.2	22	2	0:50	620	58.0	70.9	R
112	75.3	516.5	33	58.0	60.5	95	236	8.2	10.3	22	2	1:00	695	59.3	75.6	R
113	75.2	504.6	45	56.5	61.4	186	242	7.9	10.9	24	2	0:55	715	59.0	66.3	P
114	76.2	514.3	39	53.5	62.0	332	241	7.3	10.3	22	2	1:00	655	59.0	66.3	P
115	73.9	540.0	41	56.0	64.1	186	196	6.6	10.0	17	2	0:45	535	58.0	68.6	P
116	73.6	503.3	40	52.5	63.7	170	198	6.5	10.0	16	2	0:50	520	59.0	73.3	R
117	76.0	520.6	38	55.0	68.7	188	194	6.6	9.9	18	2	0:50	680	59.0	80.2	B
118	75.2	517.0	34	57.5	65.6	62	82	6.0	9.3	11	2	0:45	525	57.0	83.7	B
119	74.4	511.6	35	45.0	58.5	68	113	4.6	9.0	13	2	0:45	470	58.6	70.9	R
120	74.0	496.6	28	56.5	65.0	224	275	6.3	9.6	11	1	0:45	450	58.0	73.3	R
121	72.5	512.9	27	52.5	63.1	63	89	5.9	9.6	10	1	0:40	435	58.7	77.9	R
122	72.6	507.6	29	52.5	64.0	317	218	5.6	9.5	10	1	0:45	430	58.2	80.2	B
123	73.7	519.6	36	54.0	62.7	152	204	6.3	9.8	14	1	0:40	465	57.5	77.9	R
124	73.9	515.4	37	59.0	63.2	110	132	5.5	9.5	14	1	0:40	460	57.7	81.4	B
125	71.1	---	33	51.5	65.0	199	293	6.9	10.2	18	1	0:40	445	58.3	65.1	P
126	80.5	537.9	51	39.0	70.4	672	843	9.0	10.1	31	2	2:00	760	60.2	66.3	P
127	72.1	522.9	26	61.0	67.5	124	202	6.7	9.9	15	1	0:45	510	59.0	80.2	B
128	75.1	515.8	33	54.0	67.2	268	358	7.3	10.6	14	1	0:40	485	57.6	84.9	R
129	76.1	510.7	41	57.5	61.3	132	252	7.1	10.1	19	1	0:45	490	58.0	75.6	B
130	72.7	500.0	31	41.0	66.0	217	251	5.7	9.9	12	1	0:35	465	57.5	82.6	B
131	73.9	537.4	36	56.5	67.9	176	289	5.8	9.3	14	1	0:35	575	57.3	76.7	R
132	74.9	497.5	33	56.5	67.9	208	295	5.5	9.4	12	1	0:40	460	58.7	67.4	P
133	76.3	545.1	32	66.0	71.6	127	191	4.7	8.9	7	1	0:35	460	57.0	89.5	B
134	76.9	527.3	36	59.0	65.1	263	235	7.1	10.1	14	1	0:40	515	57.5	89.5	B
135	74.7	517.2	35	56.0	68.7	88	122	6.5	9.9	11	1	0:40	475	57.5	80.2	B
136	73.5	555.8	34	60.0	66.3	70	108	4.7	9.1	8	1	0:40	470	57.0	87.2	B
137	76.4	524.6	33	53.5	65.8	236	203	6.1	9.6	10	1	0:35	480	57.5	82.6	B
138	76.8	523.5	32	58.5	66.1	172	267	6.2	9.9	10	1	0:40	465	57.0	79.1	R
139	76.3	543.8	31	51.5	67.5	200	226	5.8	9.9	7	1	0:35	460	57.0	82.6	B
140	75.4	520.7	39	50.5	65.9	115	199	5.6	10.1	10	1	0:35	440	58.0	76.7	R
141	74.0	535.6	38	60.5	66.7	122	166	5.6	9.8	10	1	0:35	470	57.5	80.2	B
142	74.7	523.4	37	56.5	65.9	71	166	5.7	9.8	10	1	0:40	430	57.5	81.4	B
143	72.5	525.4	36	44.5	61.2	95	178	5.6	10.5	17	1	0:50	485	58.6	73.3	R
144	76.7	533.2	50	50.5	68.0	252	213	6.3	10.1	12	1	0:45	525	58.0	74.4	R
145	73.9	544.7	40	66.0	65.5	306	218	5.8	9.7	14	1	0:45	565	58.0	94.2	MB
146	72.0	552.6	39	64.5	60.0	169	208	6.0	10.0	13	1	0:40	590	58.4	87.2	R
147	73.8	503.3	39	52.5	65.4	83	134	7.0	10.4	14	1	0:45	460	58.0	73.3	R
148	75.1	515.9	35	57.0	64.8	155	266	6.4	9.5	12	1	0:40	440	57.9	84.5	B
149	74.7	514.0	37	56.0	66.5	106	205	5.8	9.4	13	1	0:40	485	57.5	93.0	MB
150	74.5	507.2	51	58.0	64.8	77	149	6.8	10.3	12	2	0:50	675	58.3	90.7	MB
151	71.5	517.4	57	56.0	63.8	115	154	8.4	11.4	26	2	0:50	725	59.0	88.4	B
152	75.4	528.0	48	58.0	67.0	136	172	6.6	10.4	23	2	1:00	710	58.5	95.3	MB
153	76.1	525.2	47	57.5	67.1	127	226	6.7	9.9	22	2	1:20	710	58.5	97.7	MB
154	73.9	494.4	46	52.5	65.1	75	108	6.4	9.8	16	1	0:50	570	58.5	75.6	R
155	73.8	521.4	45	61.5	66.6	325	224	6.5	10.2	18	1	0:45	515	59.3	77.9	P
156	75.9	557.7	44	57.5	64.0	62	86	6.9	10.0	13	1	0:45	510	58.3	83.7	B
157	69.6	525.3	43	54.5	66.0	284	237	5.1	9.6	12	1	0:45	495	58.7	72.1	R
158	76.6	543.0	42	62.0	63.1	82	156	6.3	10.0	14	2	0:45	645	58.3	80.2	B
159	72.7	534.6	43	59.0	60.2	63	100	7.7	10.9	22	2	1:00	690	60.5	75.6	R
160	73.4	521.8	41	56.5	61.8	73	133	7.8	10.7	18	1	0:50	490	59.8	80.2	B
161	76.0	548.4	43	63.0	66.3	110	148	6.8	10.2	14	1	0:45	600	58.0	87.2	B
162	75.8	550.1	42	62.5	69.5	78	122	6.7	10.0	14	1	0:45	590	58.3	91.8	MB
163	72.8	519.5	41	60.0	68.4	84	158	4.7	9.0	11	1	0:40	505	57.3	89.5	B
164	72.3	486.5	40	57.5	67.9	272	278	7.5	10.1	17	1	0:35	675	58.0	84.9	B
165	73.5	503.8	41	62.0	67.4	113	152	7.5	11.0	16	1	0:40	505	58.0	82.6	B
166	73.5	507.4	40	62.0	66.8	178	178	7.5	10.6	15	1	0:45	500	58.1	83.7	B
167	73.5	536.5	47	47.0	68.5	124	153	4.3	9.4	20	2	1:10	550	61.1	57.0	P
168	72.9	536.1	48	47.5	69.7	146	182	6.2	9.5	21	2	1:05	595	62.2	60.5	P
169	74.2	523.4	48	45.5	72.0	85	131	6.0	9.8	20	2	1:00	560	60.5	65.1	P
170	74.3	533.3	47	47.5	71.1	106	168	5.3	8.8	21	2	1:20	575	61.1	69.8	P
171	76.1	507.2	42	60.0	64.8	74	132	6.7	9.9	11	1	0:35	470	57.5	86.0	B
172	76.6	505.0	41	50.0	69.6	112	204	5.8	9.6	10	1	0:40	470	58.0	81.4	B
173	78.4	539.0	39	60.0	71.1	90	73	6.1	10.2	15	1	0:40	485	58.0	73.3	R
174	77.2	491.6	40	51.5	69.1	100	146	5.8	9.3	15	1	0:45	525	59.0	72.1	R
175	69.6	---	38	58.5	67.8	126	24									

Table 7. (cont.)

Origin Y-79 80	Test Weight Kg/Hl	Grain Size Factor	PK min	% Pearling Index	% Flour Yield	Falling Number (SEC)		% Dry Gluten in Prot.	% Flour Protein	Sedimen- tation C.C.	Mixo- graphic Form	Mixing time min.	Baking		Cookies	
						Grain	Flour						Loaf Vol. C.C.	H ₂ O % Abs.	Spread Factor	General Appearance
SN185	75.5	498.6	33	50.5	65.4	68	92	6.8	9.8	16	1	0:45	595	60.0	90.7	MB
186	73.3	491.2	32	50.5	64.9	88	99	6.2	9.7	15	1	0:45	545	58.0	84.9	B
187	72.1	511.6	31	56.3	66.7	174	183	6.0	9.1	13	1	0:40	600	57.4	81.4	B
188	77.4	526.4	33	54.0	68.1	67	92	6.4	10.0	17	1	0:40	525	57.5	84.9	B
189	76.3	546.4	35	53.5	66.7	87	149	6.5	9.6	11	1	0:35	500	57.9	76.7	R
190	75.4	534.4	32	52.5	64.6	147	158	6.5	9.8	11	1	0:45	485	58.7	79.1	R
191	77.0	536.6	34	58.0	67.7	82	158	6.9	10.2	14	1	0:45	520	59.3	87.2	B
192	74.7	495.0	34	53.0	70.2	162	122	7.0	9.6	16	1	0:55	515	59.2	80.2	B
193	75.4	531.5	32	53.0	66.6	93	107	6.2	9.1	13	1	0:50	525	58.9	81.4	B
194	76.9	532.6	35	52.5	70.1	268	163	6.4	9.6	13	1	0:55	485	60.0	98.8	MB
195	76.2	491.8	31	51.0	68.5	75	93	7.3	10.3	16	1	0:45	530	58.5	70.9	R
196	76.7	492.8	33	49.5	66.7	226	225	6.7	10.0	15	1	0:45	510	59.3	90.7	MB
197	74.8	514.7	31	52.5	66.7	136	219	7.4	10.2	17	1	0:45	550	58.8	90.7	MB
198	76.9	496.6	32	51.5	67.9	85	136	6.5	10.1	13	1	0:40	465	59.0	66.3	P
199	78.4	486.1	35	52.0	66.4	161	236	6.8	10.1	14	1	0:40	510	58.0	72.1	R
200	73.9	516.4	33	55.0	64.2	101	222	6.7	10.4	17	1	0:50	550	58.0	72.1	R
201	74.5	505.8	33	60.5	64.3	82	147	6.6	10.2	23	1	1:15	720	58.5	79.1	R
202	73.1	502.7	26	60.5	66.9	205	258	7.2	10.7	17	1	0:40	635	58.0	90.7	MB
203	77.0	449.1	30	53.0	66.4	82	188	6.4	10.0	17	1	0:45	535	58.0	81.4	B
204	75.6	505.3	30	54.5	67.1	125	224	6.4	10.1	18	1	0:45	525	58.0	91.9	MB
205	76.6	506.1	33	54.0	68.7	103	116	7.7	10.9	22	2	0:55	660	58.0	91.9	MB
206	77.1	526.6	30	55.0	66.0	71	128	7.7	10.9	20	2	0:50	620	59.3	83.7	B
207	76.2	488.4	32	50.0	66.7	105	149	6.6	9.7	19	2	1:00	520	59.5	60.5	P
208	76.9	500.7	31	53.0	65.4	67	108	7.3	10.2	20	1	0:50	635	59.3	81.4	B
209	74.2	524.3	30	45.5	55.8	69	118	7.4	10.1	22	2	1:00	625	62.3	70.9	R
210	76.6	497.6	35	51.5	65.9	74	133	6.5	10.0	23	2	1:05	675	59.3	81.4	B
211	75.8	507.2	28	55.5	62.6	67	104	6.3	9.8	18	2	0:55	500	59.0	86.0	B
212	76.3	519.2	36	53.5	63.5	122	154	6.5	9.6	20	2	1:00	670	60.2	79.1	R
213	76.8	527.8	36	53.0	64.0	72	92	6.7	10.3	18	1	0:45	490	58.0	70.9	R
214	76.7	519.0	30	54.0	70.2	285	190	6.7	9.7	12	1	0:40	430	57.5	89.5	B
215	74.9	504.8	29	57.5	69.3	334	233	5.2	8.9	14	2	0:45	435	57.5	102.3	MB
216	74.2	514.8	36	55.5	69.2	94	152	6.1	9.5	13	1	0:35	490	57.5	87.2	B
217	74.7	505.0	32	52.5	70.5	118	177	5.2	9.6	10	1	0:30	420	57.0	88.4	B
218	76.8	504.3	34	49.5	66.9	334	196	6.3	10.0	13	2	0:40	565	58.0	82.6	B
219	76.6	508.0	35	47.5	65.1	212	194	5.7	9.7	13	1	0:40	520	57.0	86.0	B
220	71.9	529.3	31	64.5	69.8	79	88	6.4	9.9	18	2	0:40	585	58.5	87.2	B
221	75.8	497.9	36	56.5	65.6	130	105	7.6	10.5	20	1	1:00	655	61.6	81.4	B
222	78.1	491.9	31	54.0	68.1	259	215	6.1	9.5	17	1	0:45	525	58.7	77.9	R
223	78.2	494.4	33	51.5	68.8	275	289	6.3	9.3	11	1	0:50	450	59.0	79.1	R
224	78.9	483.2	36	56.0	68.3	82	125	6.7	10.3	19	1	0:50	585	58.5	76.7	R
225	71.8	510.7	49	59.5	64.8	71	101	5.7	11.0	20	3	1:35	650	58.5	77.9	R
226	81.1	527.6	71	45.5	72.4	742	476	9.1	11.1	36	3	1:40	810	60.7	80.2	B
227	76.9	503.6	36	52.5	68.5	77	167	6.1	9.8	16	2	0:55	560	59.0	83.7	B
228	78.6	523.2	36	54.5	68.0	61	84	7.2	10.5	21	2	0:50	675	58.6	83.7	B
229	76.9	496.6	43	49.0	66.1	84	111	6.6	10.9	22	2	0:55	595	59.3	79.1	R
230	77.8	520.8	34	55.0	67.5	64	92	6.8	10.3	17	2	0:55	520	59.3	79.1	R
231	76.2	524.0	31	49.0	64.5	75	138	7.1	10.1	16	2	0:30	490	60.0	80.4	B
232	77.4	509.0	31	50.5	65.9	126	151	6.2	9.8	15	1	0:45	505	59.0	78.4	R
233	76.8	512.0	29	53.0	66.5	88	128	7.0	9.8	15	1	0:45	500	59.0	76.3	R
234	76.5	500.5	29	54.0	66.1	158	156	6.2	9.6	12	1	0:45	510	58.0	74.2	R
235	76.9	498.6	31	50.5	67.2	191	150	5.9	8.9	12	1	0:45	505	57.5	81.4	B
236	76.2	505.7	33	52.0	67.3	125	145	6.0	9.4	11	1	0:40	460	59.7	86.6	B
237	78.6	467.0	32	58.0	69.2	117	160	7.0	9.5	12	1	0:40	475	59.7	79.4	R
238	77.7	490.8	31	50.0	66.1	158	206	6.6	10.1	12	1	0:35	485	58.3	81.4	B
239	76.8	487.1	31	51.5	66.9	118	238	6.8	9.8	14	1	0:45	475	58.0	90.7	MB
240	77.5	487.8	35	45.5	68.1	278	229	6.5	9.6	14	1	0:40	465	59.2	82.5	B
241	75.6	514.9	35	52.0	66.9	223	174	6.0	9.5	10	1	0:40	465	58.2	82.5	B
242	76.2	500.2	29	53.5	67.2	289	216	7.4	10.0	11	1	0:40	440	57.5	77.3	R
243	78.7	522.2	35	54.0	66.7	127	181	6.4	9.7	14	1	0:40	500	58.0	76.3	R
244	76.2	500.5	30	53.5	66.4	208	225	7.0	10.0	14	1	0:40	515	58.0	75.3	R
245	76.3	492.2	33	50.0	65.0	89	192	7.0	9.4	16	1	1:10	690	59.2	76.3	R
246	73.7	510.0	26	53.0	64.9	65	103	8.1	10.4	16	1	0:40	535	58.6	75.3	R
247	78.2	522.8	32	54.0	70.1	198	215	7.1	9.8	14	1	0:45	515	59.0	84.5	B
248	78.2	507.2	34	54.5	69.0	187	228	6.0	9.6	15	1	0:45	545	58.0	77.3	R
249	76.2	505.6	37	49.0	67.4	172	199	7.0	10.0	15	1	0:40	575	58.0	74.2	R
250	70.7	532.0	39	52.0	68.0	205	276	6.1	10.3	18	1	0:40	470	59.3	80.4	B
251	71.5	- *	63	55.0	62.7	94	163	7.5	11.4	26	2	1:20	765	59.0	70.1	R
252	81.0	534.8	55	38.0	71.0	715	734	8.9	10.5	31	2	1:40	735	60.5	63.9	P
253	78.0	508.4	39	54.0	66.0	188	255	7.1	9.9	16	1	0:50	580	58.0	71.1	R
254	75.6	502.1	37	48.0	64.9	64	115	6.3	9.4	14	1	0:45	500	57.7	76.3	B
255	75.8	515.7	30	53.0	64.6	173	126	6.3	9.6	10	1	0:35	480	57.7	82.5	B
256	75.6	510.8	39	58.5	64.1	67	115	6.4	9.8	14	1	0:40	660	58.0	80.4	B
257	73.2	523.8	47	64.5	68.6	74	108	6.2	9.7	19	1	0:55	680	58.0	78.4	R
258	77.2	553.0	30	58.0	65.6	131	132	6.7	9.8	11	1	0:35	440	57.5	78.4	R
259	75.5	509.6	37	63.0	69.9	243	204	6.3	10.2	10	1	0:35	475	57.0	76.3	R
260	72.9	505.9	34	58.0	68.3	113	111	6.3	9.6	16	1	0:45	640	57.0	103.1	MB
261	74.4	555.8	41	59.5	65.9	63	70	6.4	9.8	16	1	1:00	550	58.0	84.5	B
262	75.7	565.7	41	60.5	65.9	81	78	7.7	10.1	19	1	0:45	615	58.3	87.6	B
263	72.3	503.7	36	50.5	66.5	127	149	6.0	9.8	14	1	0:40	500	58.0	74.2	R
264	72.8	504.7	31	56.5	68.5	156	165	6.0	9.3	15	1	1:00	580	57.5	89.7	B
265	74.3	522.7	37	54.5	64.2	73	114	6.0	10.0	15	1	0:40	580	57.5	79.4	R
266	74.2	546.6	36	55.5	62.1	73	115	6.2	10.0	17	1	0:40	620	57.5	75.3	R
267	70.8	532.8	54	58.5	67.0	218	254	6.7	9.8	24	2	1:10	760	58.0	74.2	R

Continued

Table 7. (cont.)

Origin Y-79 80	Test Weight Kg/Hl	Grain Size Factor	PK min	% Pearling Index	% Flour Yield	Falling Number (SEC)		% Dry Gluten in Prot.	% Flour Protein	Sedimen- tation C.C.	Mixo- graphic Form	Mixing time min.	Baking		Cookies	
						Grain	Flour						Loaf Vol. C.C.	H ₂ O % Abs.	Spread Factor	General Appearance
SN268	71.0	532.0	35	50.5	65.5	322	269	6.5	10.0	17	2	1:00	545	58.3	71.1	R
269	71.7	543.7	57	47.0	68.0	372	295	7.3	9.7	24	2	1:15	580	58.5	64.9	P
270	71.9	540.8	45	46.0	68.0	371	292	7.0	9.5	24	2	1:25	550	59.5	69.1	P
271	71.8	538.7	60	46.5	70.1	389	315	7.4	9.7	22	2	1:20	610	59.5	63.9	P
272	73.5	543.3	64	52.5	66.9	268	210	7.4	9.6	22	2	1:05	580	60.9	64.9	P
273	76.6	557.7	37	52.5	69.2	167	232	6.4	10.2	11	1	0:30	470	58.0	59.8	P
274	75.3	561.3	27	48.5	77.9	125	190	6.0	9.8	12	1	0:40	425	57.0	71.1	R
275	73.2	494.8	40	56.5	65.4	142	115	7.0	10.2	17	1	0:40	595	59.3	75.3	R
276	70.9	533.3	33	51.0	66.2	186	275	7.5	10.1	18	1	0:45	460	58.3	64.9	P
277	75.0	552.8	32	52.0	67.0	180	205	6.3	10.1	12	1	0:30	450	58.3	69.1	P
278	75.5	558.4	27	51.5	64.6	236	218	7.3	9.9	11	1	0:30	435	57.0	70.1	R
279	72.3	533.5	42	51.0	71.0	318	268	7.4	9.1	21	2	1:05	600	60.4	74.2	R
280	75.1	519.2	79	46.0	67.4	250	242	6.7	10.4	24	2	1:00	580	62.1	64.9	P
281	72.0	513.0	63	50.0	64.5	363	320	6.2	9.8	25	2	1:25	625	63.0	66.0	P
282	73.6	521.3	66	49.0	65.5	205	266	6.3	10.0	25	2	1:30	635	60.3	63.9	P
283	72.9	531.7	49	50.5	67.9	108	256	5.8	10.2	23	2	1:20	585	62.3	67.0	P
284	72.1	511.9	78	48.5	67.1	372	359	6.3	10.0	25	2	1:25	620	62.8	64.9	P
285	71.4	523.8	38	51.5	70.5	363	359	6.8	9.0	17	1	0:45	450	58.1	69.1	P

