

A Thousand Peer-reviewed

JOURNAL ARTICLES

from CIMMYT and Its Collaborators 1966-2002

John E. Woolston



CIMMYT^{INTL}

International Maize and
Wheat Improvement Center

**A THOUSAND PEER-REVIEWED
JOURNAL ARTICLES FROM CIMMYT
AND ITS COLLABORATORS
1966-2002**

CONTENTS

[Foreword.....3](#)

[PART A: Research at CIMMYT and with advanced institutions.....5](#)

[PART B: Research cooperation with NARS.....61](#)

[PART C: Index by journal92](#)

[Statistical analysis109](#)

Compiler: John E. Woolston

This publication incorporates the material from previously published lists; it therefore replaces them:

1966-1992	ISBN 968-6923-00-4	AGRIS 94-021078
1966-1994	ISBN 968-6923-46-2	AGRIS 96-081206
1966-1996	ISBN 968-6923-86-1	AGRIS 1998-027902
1966-1999	ISBN 970-648-054-4	AGRIS 2002-033636

For the future, CIMMYT plans to establish a database available on its website at www.cimmyt.org and thus provide access to articles published in 2003 and subsequent years

FOREWORD

The scope of this publication is limited: it covers only journal articles - not conference papers, not book chapters, not newsletters, not theses, not CIMMYT imprints. Thus it represents only part of CIMMYT's published output. And the search for material went back only to 1966, the date of the official establishment of the Center; so the compilation omits the very important work done by CIMMYT's antecedent organizations.

To avoid inconsistencies, we have adopted tight rules of admissibility and apply them rigorously:

-Only articles resulting from CIMMYT's research program

-Only articles that were subject to an independent peer review

Part A lists articles resulting from research carried out within CIMMYT or in cooperation with advanced research institutions. Typically, there is an author who is a member of CIMMYT's staff; often, however, the Center's involvement is represented by a visiting scientist or graduate student who reports work carried out while on assignment at CIMMYT. In a few cases, the whole work has been done by other scientists in other institutions but, if it was partly or wholly financed by CIMMYT, or if it was identified as part of a collaborative project with CIMMYT, then the resulting article is included as a product of the Center's overall program.

Excluded are those articles that were written after the authors joined CIMMYT's staff but to report work carried out in their previous employments (not, therefore, part of CIMMYT's program): the exclusion remains even when 'CIMMYT' is given as the author's affiliation. To balance this, we have tried to find and include those articles describing CIMMYT work that were written after the authors had moved elsewhere.

CIMMYT's mission stresses its cooperation with NARS: resulting papers are listed separately in Part B. Typically, there is an explicit statement that the article describes cooperative work, but this fact can also be inferred when CIMMYT and NARS staff are named as co-authors.

However, even when CIMMYT, or one of its staff, is named in a paper that reports work at a cooperating institution, the paper is excluded from either Part of the present list (a) when the Center's only contribution has been to provide seed, or (b) when the staff member's role is limited to that of a *post facto* reviewer (or *asesor intelectual*). Also, articles announcing the release or registration of germplasm or new cultivars are not listed here but in a separate compilation.

By applying the rule requiring independent peer review, we are able to include the refereed 'articles' that have been published, starting 1994, in *Plant Genetic Resources Newsletter* as well as the 'research articles', starting 1990, in *Wheat Information Service*; on the other hand, we omit articles from journals that did not use external reviewers, such as *Development Policy Review*, *Plant Disease Reporter* (before 1975) and *Rachis*. More importantly, the rule requires the exclusion of the conference papers that journals publish in special sections for which the editors waive the usual peer reviews – for example, the annual "proceedings" issue (No. 5) of the *American Journal of Agricultural Economics*. However, a conference paper is included if there is evidence that it has been subject to independent review, as when there are separate dates for 'received' and 'accepted'.

To conserve space in this compilation, the names of countries are reduced to the codes recommended by the International Organization for Standardization (ISO). Those actually employed are:

AR	Argentina	FX	Metropolitan France	PA	Panama
AT	Austria	GB	United Kingdom	PE	Peru
AU	Australia	GP	Guadeloupe	PH	Philippines
BD	Bangladesh	HU	Hungary	PK	Pakistan
BE	Belgium	ID	Indonesia	PL	Poland
BR	Brazil	IE	Ireland	PY	Paraguay
CA	Canada	IL	Israel	RE	Reunion
CH	Switzerland	IN	India	SD	Sudan
CL	Chile	IR	Iran	SE	Sweden
CN	China	IT	Italy	SV	El Salvador
CO	Colombia	JP	Japan	SY	Syria
CR	Costa Rica	KE	Kenya	TH	Thailand
CS	Serbia & Montenegro	KR	Korea (South)	TR	Turkey
CU	Cuba	KZ	Kazakhstan	TT	Trinidad and Tobago
DE	Germany	MA	Morocco	UG	Uganda
DK	Denmark	MX	Mexico	US	United States
DO	Dominican Republic	MY	Malaysia	UY	Uruguay
DZ	Algeria	MW	Malawi	VE	Venezuela
EC	Ecuador	NG	Nigeria	ZA	South Africa
EG	Egypt	NL	Netherlands	ZM	Zambia
ES	Spain	NO	Norway	ZW	Zimbabwe
ET	Ethiopia	NP	Nepal		

Entries in Part A are prefixed in the form 1967 ATHWAL, the year of publication followed by the principal surname of the first author. Entries in Part B are prefixed in the form EC 1989 BYERLEE, the country code for the cooperating NARS, followed by the year of publication and the principal surname of the first author. In both Parts, the entries are then listed in the alphanumeric sequence of their prefixes.

The compiler offers his apologies if he has omitted any items that would have been eligible under the rules outlined on the previous page. Authors are invited to propose additions by contacting him directly - j.woolston@cgiar.org.

AVAILABILITY OF DOCUMENTS A copy of every listed article is available for consultation by users of CIMMYT's library. Other interested persons are advised, in the first place, to apply to their own libraries. Wherever possible, we have given AGRIS numbers to assist those who use these numbers for filing their collections of reprints and photocopies. Librarians unable to meet the needs of their clients are invited - as a last resort - to contact the compiler for copies of individual items from this list.

ACKNOWLEDGEMENTS The compiler thanks his past and present colleagues in the CIMMYT Library for their cooperation in constructing this compilation. Lucia Segura C. has conscientiously maintained the computer file and the collection of documents.

PART A - RESEARCH AT CIMMYT AND WITH ADVANCED INSTITUTIONS

- 1967 ATHWAL** D S Athwal and N E Borlaug*. Genetic male sterility in wheat breeding *Indian J. Genetics and Plant Breeding* **27** 136-142
With Ohio State University, Columbus (Ohio) US and Punjab Agricultural University, Ludhiana IN
-
- 1968 CASAS** Eduardo Casas, W D Hanson and E J Wellhausen*. Genetic relationships among collections representing three Mexican race composites of *Zea mays* L. *Genetics* **59** 299-310
With North Carolina State University, Raleigh (North Carolina) US and Colegio de Postgraduados, Chapingo MX
- 1968 CASTRO** M Castro G*, C O Gardner and J H Lonquist*. Cumulative gene effects and the nature of heterosis in maize crosses involving genetically diverse races *Crop Science* **8** 97-101
With University of Nebraska, Lincoln (Nebraska) US
-
- 1969 CADY** F B Cady and R J Laird*. Bias error in yield functions as influenced by treatment design and postulated model *Soil Science Soc. America Proc.* **33** 282-286
With University of Kentucky, Lexington (Kentucky) US
- 1969 LAIRD** R J Laird* and F B Cady. Combined analysis of yield data from fertilizer experiments *Agronomy J.* **61** 829-834
With University of Kentucky, Lexington (Kentucky) US
-
- 1970 RIES** S K Ries, O Moreno*, W F Meggitt, C J Schweizer and S A Ashkar. Wheat seed protein: chemical influence on and relationship to subsequent growth and yield in Michigan and Mexico *Agronomy J.* **62** 746-748
With Michigan State University, East Lansing (Michigan) US
-
- 1972 RAJARAM** S Rajaram, F J Zillinsky and N E Borlaug. Sources of adult leaf rust resistance in triticale *Indian Phytopathology* **25** 442-448
-
- 1973 BORLAUG** Norman E Borlaug and Oddvar H Aresvik. The green revolution - an approach to agricultural development and some of its economic implications *International J. Agrarian Affairs* **5** 385-403
- 1973 LUXMOORE** R J Luxmoore, R A Fischer* and L H Stolzy. Flooding and soil temperature effects on wheat during grain filling *Agronomy J.* **65** 361-364
With University of California, Riverside (California) US
-
- 1974 ANDERSON** Jock R Anderson. Risk efficiency in the interpretation of agricultural production research *Review of Marketing and Agricultural Economics* **42** 131-184
With University of New England, Armidale (New South Wales) AU
- 1974 BATES** L S Bates, A Campos V*, R Rodriguez R* and R G Anderson*. Progress toward novel cereal grains *Cereal Science Today* **19** 283-284,286
With Kansas State University, Manhattan (Kansas) US
- 1974 GOLDSWORTHY-1** P R Goldsworthy and M Colegrove. Growth and yield of highland maize in Mexico *J. Agricultural Science (Cambridge GB)* **83** 213-221 AGRIS 75-016179

- 1974 GOLDSWORTHY-2** P R Goldsworthy, A F E Palmer and D W Sperling. Growth and yield of lowland tropical maize in Mexico *J. Agricultural Science (Cambridge GB)* **83** 223-230 AGRIS 75-016178
- 1974 SAARI** E E Saari* and Roy D Wilcoxson. Plant disease situation of high-yielding dwarf wheats in Asia and Africa *Annual Review of Phytopathology* **12** 49-68
With University of Minnesota, St. Paul (Minnesota) US
- 1974 SRIWATANAPONGSE** Sutat Sriwatanapongse, E C Johnson, S K Vasal and E Villegas. Inheritance of kernel vitreosity in opaque-2 maize *SABRAO Journal* **6** 1-7
- 1974 SULLIVAN** S L Sullivan, V E Gracen and Alejandro Ortega*. Resistance of exotic maize varieties to the European corn borer *Ostrinia nubilalis* (Hübner) *Environmental Entomology* **3** 718-720 AGRIS 75-009607
With Cornell University, Ithaca (New York) US
- 1974 YAMAGUCHI** Junichi Yamaguchi. Varietal traits limiting the grain yield of tropical maize: I. Growth patterns as affected by altitude and season; II. The growth and yield of tall and short varieties; III. Significance of tillers for productivity; IV. Plant traits and productivity of tropical varieties *Soil Science and Plant Nutrition* **20** 69-78; 145-154; 155-161; 287-304 AGRIS 75-002912; 75-002913; 75-002911; 75-009194
- 1974 ZILLINSKY** F J Zillinsky. The development of triticale *Advances in Agronomy* **26** 315-348
-
- 1975 FISCHER** R A Fischer. Yield potential in a dwarf spring wheat and the effect of shading *Crop Science* **15** 607-613 AGRIS 76-082218
- 1975 LAING** D R Laing and R A Fischer. Response of wheat under sub-humid irrigated conditions to atmospheric misting during grain filling *Agricultural Meteorology* **15** 285-293 AGRIS 76-073277
- 1975 MERKER** Arnulf Merker. Chromosome composition of hexaploid triticale *Hereditas* **80** 41-52 AGRIS 76-083451
With Swedish Seed Association, Svalöv SE
- 1975 SAARI** E E Saari and J M Prescott. A scale for appraising the foliar intensity of wheat diseases *Plant Disease Reporter* **59** 377-380 AGRIS 75-041105
- 1975 SWANSON** Burton E Swanson. Evaluation of the CIMMYT wheat training program *J. Agronomic Education* **4** 85-89
With University of Wisconsin, Madison (Wisconsin) US
-
- 1976 AITKEN** Yvonne Aitken. Non-destructive method for estimation of tassel initiation in maize (*Zea mays* L.) *J. Australian Inst. Agricultural Science* **42** 65-66 AGRIS 77-130103
With University of Melbourne, Parkville (Victoria) AU
- 1976 BYTH** D E Byth*, R L Eisemann and I H De Lacy. Two-way pattern analysis of a large data set to evaluate genotypic adaptation *Heredity* **37** 215-230 AGRIS 77-160052
With University of Queensland, St. Lucia (Queensland) AU
- 1976 FISCHER-1** R A Fischer and I Aguilar M. Yield potential in a dwarf spring wheat and the effect of carbon dioxide fertilization *Agronomy J.* **68** 749-752 AGRIS 77-135928
- 1976 FISCHER-2** R A Fischer and Z Kertesz. Harvest index in spaced populations and grain weight in microplots as indicators of yielding ability in spring wheat *Crop Science* **16** 55-59 AGRIS 76-092350

- 1976 FISCHER-3** R A Fischer and R Maurer O. Crop temperature modification and yield potential in a dwarf spring wheat *Crop Science* **16** 855-859 AGRIS 77-147511
- 1976 FISCHER-4** R A Fischer and D R Laing. Yield potential in a dwarf spring wheat and response to crop thinning *J. Agricultural Science (Cambridge GB)* **87** 113-122
- 1976 FISCHER-5** R A Fischer, I Aguilar M, R Maurer O and S Rivas A. Density and row spacing effects on irrigated short wheats at low latitude *J. Agricultural Science (Cambridge GB)* **87** 137-147 AGRIS 77-148096
- 1976 FISCHER-6** R A Fischer and P C Wall. Wheat breeding in Mexico and yield increases *J. Australian Inst. Agricultural Science* **42** 139-148 AGRIS 78-225487
- 1976 JOVANOVIĆ** C Jovanovic, P Shivaji, B Dzah and L Kausal. The use of genetic modifiers to enhance the performance of opaque-2 maize *Genetika (Beograd CS)* **8** 17-26 AGRIS 77-129810
With Maize Research Institute, Zemun CS
- 1976 RANDOLPH** L F Randolph. Contributions of wild relatives of maize to the evolutionary history of maize: a synthesis of divergent hypotheses I *Economic Botany* **30** 321-345 AGRIS 77-148769
With Cornell University, Ithaca (New York) US
- 1976 SINGH** Shree P Singh. Modified vitreous endosperm recombinants from crosses of normal and high lysine sorghum *Crop Science* **16** 296-297 AGRIS 76-099753
-
- 1977 AITKEN** Yvonne Aitken. Evaluation of maturity genotype - climate interactions in maize (*Zea mays* L.) *Z. Pflanzenzüchtung* **78** 216-237 AGRIS 77-197454
With University of Melbourne, Parkville (Victoria) AU
- 1977 BATES** L S Bates, E Moreno*, F J Zillinsky* and K A Mujeeb. Effect of E-amino caproic acid foliar spray on seed set and embryo formation in *Triticum turgidum* L. var. durum x *Secale cereale* *Chemico-Biological Interactions* **17** 363-365
With Kansas State University, Manhattan (Kansas) US
- 1977 BIDINGER** F Bidinger, R B Musgrave and R A Fischer. Contribution of stored pre-anthesis assimilate to grain yield in wheat and barley *Nature* **270** 431-433
With Cornell University, Ithaca (New York) US
- 1977 CHIBBER** B A K Chibber, E Voicu*, E T Mertz and D V Glover. Studies on corn proteins: XI. Distribution of lysine during germination of normal and opaque-2 maize *Cereal Chemistry* **54** 558-564 AGRIS 77-208490
With Purdue University, West Lafayette (Indiana) US
- 1977 FISCHER-1** R A Fischer, I Aguilar and D R Laing. Post-anthesis sink size in a high-yielding dwarf wheat: yield response to grain number *Australian J. Agricultural Research* **28** 165-175 AGRIS 77-178028
- 1977 FISCHER-2** R A Fischer, M Sanchez and J R Syme. Pressure chamber and air flow porometer for rapid field indication of water status and stomatal condition in wheat *Experimental Agriculture* **13** 341-351 AGRIS 78-257388
- 1977 FISCHER-3** R A Fischer, J H Lindt and A Glave. Irrigation of dwarf wheats in the Yaqui valley of Mexico *Experimental Agriculture* **13** 353-367 AGRIS 78-256676
- 1977 LAING** D R Laing and R A Fischer. Adaptation of semidwarf wheat cultivars to rainfed conditions *Euphytica* **26** 129-139 AGRIS 77-159195
With University of Sydney, Sydney (New South Wales) AU

- 1977 MOSCARDI** Edgardo Moscardi* and Alain de Janvry. Attitudes toward risk among peasants: an econometric approach *American J. Agricultural Economics* **59** 710-716
With University of California, Berkeley (California) US
- 1977 ROGALSKA** Stanislawa Rogalska. Identification of rye chromosomes in lines of hexaploid triticale *Genetica Polonica* **18** 317-324
With Institute of Genetics and Plant Breeding, Poznan PL
- 1977 THOMAS** J B Thomas*, K A Mujeeb, R Rodriguez* and L S Bates. Barley x wheat hybrids *Cereal Research Communications* **5** 181-188
With Kansas State University, Manhattan (Kansas) US
-
- 1978 FISCHER-1** R A Fischer and D HilleRisLambers. Effect of environment and cultivar on source limitation to grain weight in wheat *Australian J. Agricultural Research* **29** 443-458 AGRIS 78-346071
- 1978 FISCHER-2** R A Fischer and R Maurer. Drought resistance in spring wheat cultivars: I. Grain yield responses *Australian J. Agricultural Research* **29** 897-912 AGRIS 79-399000 For Parts II and III, see **1979 FISCHER-1** and **-2**
- 1978 GOERTZ** P G Goertz*, W G Pollmer, E Villegas* and B S Dhillon. Nutritional quality of Andean maize collections and comparisons of some chemical screening methods *Maydica* **23** 221-232 AGRIS 79-424076
With Universität Hohenheim, Stuttgart DE
- 1978 LEIHNER** Dietrich E Leihner and Guillermo Ortiz F. Improvement of durum wheat - plant type, yield potential and adaptation *Euphytica* **27** 785-799 AGRIS 79-399013
- 1978 MUJEEB** K A Mujeeb, J B Thomas*, R Rodríguez R*, R F Waters and L S Bates. Chromosome instability in hybrids of *Hordeum vulgare* L. with *Triticum turgidum* and *T. aestivum* *J. Heredity* **69** 179-182 AGRIS 79-357856
With Kansas State University, Manhattan (Kansas) US
- 1978 THOMAS** Julian B Thomas and R Glenn Anderson. Cross-incompatibility of common wheat with rye: effect of varying the day of pollination on seed set and development *Canadian J. Botany* **56** 3000-3007
- 1978 YOUNG** H C Young Jr, J M Prescott* and E E Saari*. Role of disease monitoring in preventing epidemics *Annual Review of Phytopathology* **16** 263-285
With Oklahoma State University, Stillwater (Oklahoma) US
-
- 1979 EGGUM** Bjorn O Eggum, Eva M Villegas* and Surinder K Vasal*. Progress in protein quality of maize *J. Science of Food and Agriculture* **30** 1148-1153 AGRIS 80-572607
With National Institute of Animal Science, Copenhagen DK
- 1979 FISCHER-1** R A Fischer and M Sanchez. Drought resistance in spring wheat cultivars: II. Effects on plant water relations *Australian J. Agricultural Research* **30** 801-814 AGRIS 80-515383 For Parts I and III, see **1978 FISCHER-2** and **1979 FISCHER-2**
- 1979 FISCHER-2** R A Fischer* and J T Wood. Drought resistance in spring wheat cultivars: III. Yield associations with morpho-physiological traits *Australian J. Agricultural Research* **30** 1001-1020 AGRIS 80-567501 For Parts I and II, see **1978 FISCHER-2** and **1979 FISCHER-1**
With Commonwealth Scientific and Industrial Research Organization CSIRO, Canberra (ACT) AU

- 1979 GAFSI** Salem Gafsi and Terry Roe. Adoption of unlike high-yielding wheat varieties in Tunisia *Economic Development and Cultural Change* **28** 119-133
From University of Minnesota, Minneapolis (Minnesota) US
- 1979 JAMES** J James. New maize x *Tripsacum* hybrids for maize improvement *Euphytica* **28** 239-247 AGRIS 80-470249
- 1979 MUCHENA** S C Muchena, C O Grogan and A D Violic*. The effect of recurrent selection for reduction of plant and ear height on internode pattern in two tropical maize (*Zea mays* L.) populations *Canadian J. Plant Science* **59** 143-146
With Cornell University, Ithaca (New York) US
- 1979 PEAIRS** F B Peairs and J L Saunders. Single-larva infestations with *Diatraea saccharalis* (F) in two tropical maize populations in Mexico *Turrialba* **29** 243-246 AGRIS 80-550595
- 1979 RAJARAM** S Rajaram*, B Skovmand*, H J Dubin*, E Torres*, R G Anderson*, A P Roelfs, D J Samborski and I A Watson. Diversity of rust resistance of the CIMMYT multi-line composite, its yield potential and utilization *Indian J. Genetics and Plant Breeding* **39** 60-71 AGRIS 80-530072
With USDA Cereal Rust Laboratory, St. Paul (Minnesota) US; Agriculture Canada, Winnipeg (Manitoba) CA; University of Sydney, Sydney (NSW) AU
- 1979 SOJKA** R E Sojka, L H Stolzy and R A Fischer. Comparison of diurnal drought response of selected wheat cultivars *Agronomy J.* **71** 329-335 AGRIS 80-516935
With University of California, Riverside (California) US
- 1979 SOZA** Roberto F Soza, Alejandro V Violic y Victor Claire. Defoliación para forraje en maíz *Simiente (Santiago CL)* **49** (3-4) 33-38 AGRIS 81-654438
-
- 1980 FISCHER** R A Fischer and Y M Stockman. Kernel number per spike in wheat (*Triticum aestivum* L.): responses to preanthesis shading *Australian J. Plant Physiology* **7** 169-180
With Commonwealth Scientific and Industrial Research Organization CSIRO, Canberra (ACT) AU
- 1980 MUJEEB-KAZI** A Mujeeb-Kazi and R Rodriguez. Some intergeneric hybrids in the Triticeae *Cereal Research Communications* **8** 469-475
- 1980 NELSON** Walter Nelson, H J Dubin and Sanjaya Rajaram. Norin 10 dwarfing genes present in the lines used in the CIMMYT bread wheat breeding program *Cereal Research Communications* **8** 573-574
- 1980 PEAIRS** F B Peairs and J L Saunders. External versus internal damage estimates of stalk boring by *Diatraea saccharalis* (F) in two tropical maize populations in México *Turrialba* **30** 352-354 AGRIS 81-655268
-
- 1981 COLLINSON** Michael Collinson. A low cost approach to understanding small farmers *Agricultural Administration* **8** 433-450
- 1981 DUBIN** H J Dubin and E Torres. Causes and consequences of the 1976-1977 wheat leaf rust epidemic in northwest Mexico *Annual Review of Phytopathology* **19** 41-49 AGRIS 82-812880
- 1981 FISCHER** R A Fischer, F Bidinger, J R Syme and P C Wall. Leaf photosynthesis, leaf permeability, crop growth, and yield of short spring wheat genotypes under irrigation *Crop Science* **21** 367-373 AGRIS 82-744693

- 1981 HANSON** W D Hanson and E C Johnson*. Evaluation of an exotic maize population adapted to a locality *Theoretical and Applied Genetics* **60** 55-63 AGRIS 82-765533
With North Carolina State University, Raleigh (North Carolina) US
- 1981 MUJEEB-KAZI-1** A Mujeeb-Kazi and R Rodriguez. Cytogenetics of intergeneric hybrids involving genera within the Triticeae *Cereal Research Communications* **9** 39-45
- 1981 MUJEEB-KAZI-2** A Mujeeb-Kazi. *Triticum timopheevii* x *Secale cereale* crossability *J. Heredity* **72** 227-228 AGRIS 82-743996
With Kansas State University, Manhattan (Kansas) US
- 1981 MUJEEB-KAZI-3** A Mujeeb-Kazi and R Rodriguez. An intergeneric hybrid of *Triticum aestivum* L. x *Elymus giganteus* *J. Heredity* **72** 253-256 AGRIS 82-788047
- 1981 MUJEEB-KAZI-4** A Mujeeb-Kazi. Apomictic progeny derived from intergeneric *Hordeum-Triticum* hybrids *J. Heredity* **72** 284-285 AGRIS 82-787965
- 1981 PEAIRS** F B Peairs and J L Saunders. Plant damage and yield response to *Diatraea saccharalis* and *Spodoptera frugiperda* in selection cycles of two tropical maize populations in Mexico *Turrialba* **31** 55-62 AGRIS 81-687615
- 1981 PILCH-1** J Pilch. Analysis of the rye chromosome constitution and the amount of telomeric heterochromatin in the widely and narrowly adapted hexaploid triticales *Theoretical and Applied Genetics* **60** 145-149 AGRIS 82-777918
- 1981 PILCH-2** J Pilch. Rye chromosome constitution and the amount of telomeric heterochromatin of the widely and narrowly adapted CIMMYT hexaploid triticales *Z. Pflanzenzüchtung* **87** 58-68 AGRIS 82-765569
- 1981 SOJKA** R E Sojka, L H Stolzy and R A Fischer. Seasonal drought response of selected wheat cultivars *Agronomy J.* **73** 838-845 AGRIS 82-822087
With University of California, Riverside (California) US
- 1981 THOMAS** Julian B Thomas, P J Kaltsikes and R Glen Anderson. Relation between wheat-rye crossability and seed set of common wheat after pollination with other species in the Hordeae *Euphytica* **30** 121-127 AGRIS 82-754877
With University of Manitoba, Winnipeg (Manitoba) CA
-
- 1982 AHMED** A Ahmed and E A Torres. Genetic analysis of some Mexican populations of wheat stem rust and evaluation of advanced lines of wheat to selected rust isolates *Bangladesh J. Agricultural Research* **7** (2) 84-89
- 1982 CUNFER** Barry M Cunfer and Barbara L Scolari. *Xanthomonas campestris* pv. *translucens* on triticale and other small grains *Phytopathology* **72** 683-686 AGRIS 83-902596
From University of Georgia, Experiment (Georgia) US
- 1982 DUBIN** H Jesse Dubin and Sanjaya Rajaram. The CIMMYT's international approach to breeding disease-resistant wheat *Plant Disease* **66** 967-971 AGRIS 83-919806
- 1982 MIDMORE** D J Midmore, P M Cartwright and R A Fischer. Wheat in tropical environments: I. Phasic development and spike size *Field Crops Research* **5** 185-200 AGRIS 83-869696 and 83-899338 For part II, see **1984 MIDMORE**
- 1982 MUJEEB-KAZI-1** A Mujeeb-Kazi and M Bernard. Somatic chromosome variations in backcross I progenies from intergeneric hybrids involving some Triticeae *Cereal Research Communications* **10** 41-45 AGRIS 84-040223

- 1982 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. Cytogenetics of hybrids of *Elymus canadensis* x *Hordeum vulgare* **J. Heredity** **73** 77-79 AGRIS 83-852276
- 1982 NAGARAJAN-1** S Nagarajan, J Kranz, E E Saari* and L M Joshi. Analysis of wheat rusts epidemic in the Indo-Gangetic plains 1976-78 **Indian Phytopathology** **35** 473-477 AGRIS 83-940256
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1982 NAGARAJAN-2** S Nagarajan, G Seiboldt, J Kranz, E E Saari* and L M Joshi. Utility of weather satellites in monitoring cereal rust epidemics **Z. Pflanzenkrankheiten und Pflanzenschutz** **89** 276-281 AGRIS 83-950326
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1982 REGER** Bonnie J Reger and Jacqueline James*. Pollen germination and pollen tube growth of sorghum when crossed to maize and pearl millet **Crop Science** **22** 140-144
With Russell Research Center (USDA), Athens (Georgia) US
-
- 1983 ASLAM** M Aslam C E Wassom and K Fischer*. Relationship of maturity stages and agronomic traits in corn **Pakistan J. Agricultural Research** **4** 211-215 AGRIS 84-109008
With Kansas State University, Manhattan (Kansas) US
- 1983 BYERLEE** Derek Byerlee and Edith Hesse de Polanco. Wheat in the world food economy: increasing role in developing countries **Food Policy** **8** 67-75 AGRIS 84-000698
- 1983 DUBIN** H J Dubin. Occurrence of *Pyrenophora tritici-repentis* in the Andean countries of South America **Plant Disease** **67** 1040
- 1983 MUCHENA** S C Muchena, M R Contreras, D L Galt and F B Peairs. Progress from recurrent full-sib family selection for potential yield improvement in two tropical maize (*Zea mays* L.) populations **Field Crops Research** **7** 283-297 AGRIS 84-040196
- 1983 MUJEEB-KAZI-1** Mujeeb-Kazi and R Rodriguez. Cytogenetics of a *Hordeum vulgare* - *Triticum turgidum* hybrid and its backcross progenies with *T. turgidum* **J. Heredity** **74** 109-113 AGRIS 84-013351
- 1983 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. Meiotic instability in *Hordeum vulgare* x *Triticum aestivum* hybrids **J. Heredity** **74** 292-296
- 1983 MULEBA-1** Nyanguila Muleba*, Tom G Hart* and Gary M Paulsen. Physiological factors affecting maize (*Zea mays* L.) yields under tropical and temperate conditions **Tropical Agriculture (Trinidad)** **60** 3-10 AGRIS 84-003060
With Kansas State University, Manhattan (Kansas) US
- 1983 MULEBA-2** Nyanguila Muleba*, Richard N Wedderburn* and Gary M Paulsen. Relationships among some morphological and physiological traits in tropical maize (*Zea mays* L.) **Tropical Agriculture (Trinidad)** **60** 197-200
With Kansas State University, Manhattan (Kansas) US
- 1983 REGER** Bonnie J Reger and Jacqueline James Sprague*. Pearl millet and sorghum pollen tube growth in pearl millet gynoecea of different ages **Crop Science** **23** 931-934 AGRIS 84-108396
With Russell Research Center (USDA), Athens (Georgia) US

- 1983 ORTEGA** E I Ortega* and L S Bates. Biochemical and agronomic studies of two modified hard-endosperm *opaque-2* maize (*Zea mays* L.) populations *Cereal Chemistry* **60** 107-111 AGRIS 84-002285
With Kansas State University, Manhattan (Kansas) US
-
- 1984 GUSTAFSON** J P Gustafson, A Lukaszewski and B Skovmand. Heterochromatin content and early endosperm development in 42-chromosome spring triticale *Canadian J. Genetics and Cytology* **26** 85-90
With University of Missouri, Columbia (Missouri) US
- 1984 MIDMORE** D J Midmore, P M Cartwright and R A Fischer. Wheat in tropical environments: II. Crop growth and grain yield *Field Crops Research* **8** 207-227 and erratum **9** 87 AGRIS 84-049600 For part I, see **1982 MIDMORE**
- 1984 MUJEEB-KAZI-1** A Mujeeb-Kazi, S Roldan and J L Miranda. Intergeneric hybrids of *Triticum aestivum* L. with *Agropyron* and *Elymus* species *Cereal Research Communications* **12** 75-79
- 1984 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. *Hordeum vulgare* x *Triticum aestivum* hybrids *Cytologia* **49** 557-565
- 1984 NAGARAJAN-1** S Nagarajan, G Seibold, J Kranz, E E Saari* and L M Joshi. Monitoring wheat rust epidemics with the Landsat-2 satellite *Phytopathology* **74** 585-587 AGRIS 85-023582
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1984 NAGARAJAN-2** S Nagarajan, J Kranz, E E Saari*, G Seiboldt, R W Stubbs and J C Zadoks. An analysis of the 1978 epidemic of yellow rust on wheat in Andalusia, Spain *Z. Pflanzenkrankheiten und Pflanzenschutz* **91** 159-170 AGRIS 85-097630
With Justus-Liebig-Universität, Giessen DE, Research Institute for Plant Protection IPO, Wageningen NL and Laboratory for Phytopathology, Wageningen NL
- 1984 PANDEY** S Pandey, S K Vasal, C de Leon, A Ortega, G Granados and E Villegas. Development and improvement of maize populations *Genetika (Beograd CS)* **16** 23-42
- 1984 SKOVMAND** B Skovmand, P N Fox and R L Villareal. Triticale in commercial agriculture: progress and promise *Advances in Agronomy* **37** 1-45 AGRIS 86-028430
- 1984 SPRAGUE** E W Sprague. Potential organization for the development of maize germplasm *Genetika (Beograd CS)* **16** 13-22, 115-130
-
- 1985 BERNARD** S Bernard and D C Jewell. Crossing maize with sorghum, *Tripsacum* and millet: the products and their level of development following pollination *Theoretical and Applied Genetics* **70** 474-483
- 1985 EYAL** Z Eyal, A L Scharen, M D Huffman and J M Prescott*. Global insights into virulence frequencies of *Mycosphaerella graminicola* *Phytopathology* **75** 1456-1462 AGRIS 86-074185
With Montana State University, Bozeman (Montana) US
- 1985 FISCHER** R A Fischer. Number of kernels in wheat crops and the influence of solar radiation and temperature *J. Agricultural Science (Cambridge GB)* **105** 447-461
With Commonwealth Scientific and Industrial Research Organization CSIRO, Canberra (ACT) AU

- 1985 HEYSER** J W Heyser, M W Nabors, C MacKinnon, T A Dykes, K J Demott, D C Kautzman and A Mujeeb-Kazi*. Long-term, high-frequency plant regeneration and the induction of somatic embryogenesis in callus cultures of wheat (*Triticum aestivum* L.) *Z. Pflanzenzüchtung* **94** 218-233
With Los Alamos National Laboratory, Los Alamos (New Mexico) US and Colorado State University, Fort Collins (Colorado) US
- 1985 KANEMASU** E T Kanemasu, Joel Ransom, Dave Saunders, Janet Killeen and Masao Yoshida. Use of spectral data to assess wheat response to soil water *Field Crops Research* **12** 105-113
AGRIS 86-007213
With Kansas State University, Manhattan (Kansas) US
- 1985 MIHM** John A Mihm. Breeding for host plant resistance to maize stem-borers *Insect Science and its Applications* **6** 369-377
- 1985 MUJEEB-KAZI-1** A Mujeeb-Kazi* and Gordon Kimber. The production, cytology and practicality of wide hybrids in the Triticeae *Cereal Research Communications* **13** 111-124
With University of Missouri, Columbia (Missouri) US
- 1985 MUJEEB-KAZI-2** A Mujeeb-Kazi and J L Miranda. Enhanced resolution of somatic chromosome constrictions as an aid to identifying intergeneric hybrids among some Triticeae *Cytologia* **50** 701-709
- 1985 MUJEEB-KAZI-3** A Mujeeb-Kazi and M Bernard. Intergeneric hybridization to induce alien genetic transfers into *Triticum aestivum* *Pakistan J. Botany* **17** 271-289 AGRIS 87-082893
- 1985 MUJEEB-KAZI-4** A Mujeeb-Kazi. Cytogenetics of a *Hordeum vulgare* x *Elymus patagonicus* hybrid (n=4x=28) *Theoretical and Applied Genetics* **69** 475-479
- 1985 MUJEEB-KAZI-5** A Mujeeb-Kazi and M Bernard. Cytogenetics of intergeneric *Elymus canadensis* x *Triticum aestivum* hybrids (n=5x=35, SHABD) and their backcross progenies with *T. aestivum* *Z. Pflanzenzüchtung* **95** 50-62
- 1985 SCHAREN** A L Scharen, Z Eyal, M D Huffman and J M Prescott*. The distribution and frequency of virulence genes in geographically separated populations of *Leptosphaeria nodorum* *Phytopathology* **75** 1463-1468 AGRIS 86-074183
With Montana State University, Bozeman (Montana) US
- 1985 TRIPP** Robert Tripp. Anthropology and on-farm research *Human Organization*. **44** 114-124
-
- 1986 BYERLEE-1** Derek Byerlee and Edith Hesse de Polanco. Farmers' stepwise adoption of technological packages: evidence from the Mexican altiplano *American J. Agricultural Economics* **68** 519-527 AGRIS 87-060587
- 1986 BYERLEE-2** Derek Byerlee and Gustavo Sain. Food pricing policy in developing countries: bias against agriculture or for urban consumers? *American J. Agricultural Economics* **68** 961-969
AGRIS 87-081438
- 1986 DUBIN** H J Dubin* and R W Stubbs. Epidemic spread of barley stripe rust in South America *Plant Disease* **70** 141-144 AGRIS 86-074135
With Research Institute for Plant Protection IPO, Wageningen NL
- 1986 JOHNSON** E C Johnson, K S Fischer, G O Edmeades and A F E Palmer. Recurrent selection for reduced plant height in lowland tropical maize *Crop Science* **26** 253-260 AGRIS 87-114718

- 1986 LAURIE** D A Laurie and M D Bennett. Wheat x maize hybridization *Canadian J. Genetics and Cytology* **28** 313-316
From Plant Breeding Institute, Cambridge (GB)
- 1986 ORTEGA** Enrique I Ortega, Evangelina Villegas and Surinder K Vasal. A comparative study of protein changes in normal and quality protein maize during tortilla making *Cereal Chemistry* **63** 446-451 AGRIS 89-080531
- 1986 PANDEY** Shivaji Pandey, A O Diallo, T M T Islam and J Deutsch. Progress from selection in eight tropical maize populations using international testing *Crop Science* **26** 879-884 AGRIS 87-062225
- 1986 WADDINGTON-1** S R Waddington, J K Ransom, M Osmanzai and D A Saunders. Variability for grain growth in early maturing triticale *Cereal Research Communications* **14** 169-176
- 1986 WADDINGTON-2** S R Waddington, J K Ransom, M Osmanzai and D A Saunders. Improvement in the yield potential of bread wheat adapted to northwest Mexico *Crop Science* **26** 698-703 AGRIS 87-038345
- 1986 WARHAM-1** Elizabeth J Warham, Abdul Mujeeb-Kazi and Victor Rosas. Karnal bunt (*Tilletia indica*) resistance screening of *Aegilops* species and their practical utilization for *Triticum aestivum* improvement *Canadian J. Plant Pathology* **8** 65-70
- 1986 WARHAM-2** Elizabeth J Warham. Karnal bunt disease of wheat: a literature review *Tropical Pest Management* **32** 229-242
- 1986 WESTCOTT** Brian Westcott. Some methods of analyzing genotype-environment interaction *Heredity* **56** 243-253
-
- 1987 BYERLEE-1** Derek Byerlee. From adaptive research to farmer recommendations and extension advice *Agricultural Administration and Extension* **27** 231-244
- 1987 BYERLEE-2** Derek Byerlee. The political economy of Third World food imports: the case of wheat *Economic Development and Cultural Change* **35** 307-328
- 1987 COLLINSON** M P Collinson. Farming systems research: procedures for technology development *Experimental Agriculture* **23** 365-386
- 1987 DAVIS** F M Davis, T G Bird, P E Sloderbeck, B E Lewis, R S Yochim, A E Knutson, Sen Seong Ng, J L Gallardo, A Salazar Pedroza and J A Mihm*. Southwestern corn borer: attractiveness to synthetic pheromone *Southwestern Entomologist* **12** 57-63 AGRIS 87-095394
With Mississippi State University, Mississippi State (Mississippi) US
- 1987 FISCHER-KS** K S Fischer, G O Edmeades and E C Johnson. Recurrent selection for reduced tassel branch number and reduced leaf area density above the ear in tropical maize populations *Crop Science* **27** 1150-1156 AGRIS 88-061665
- 1987 FISCHER-RA** R A Fischer and M Stapper. Lodging effects on high-yielding crops of irrigated semidwarf wheat *Field Crops Research* **17** 245-258 AGRIS 91-086881
With CSIRO, Canberra (ACT) and Griffith (New South Wales) AU
- 1987 FORSTER** B P Forster, J Gorham and T E Miller. Salt tolerance of an amphiploid between *Triticum aestivum* and *Agropyron junceum* *Plant Breeding* **98** 1-8
From Plant Breeding Institute, Cambridge GB

- 1987 MUJEEB-KAZI** Abdul Mujeeb-Kazi, Silverio Roldan, D Y Suh, Lesley A Sitch and Shafqat Farooq. Production and cytogenetic analysis of hybrids between *Triticum aestivum* and some caespitose *Agropyron* species **Genome** **29** 537-553
- 1987 PANDEY** Shivaji Pandey, A O Diallo, T M T Islam and J Deutsch. Response to full-sib selection in four medium maturity maize populations **Crop Science** **27** 617-622 AGRIS 88-012680
- 1987 SMILANICK** J L Smilanick, J A Hoffmann, N L Cashion* and J M Prescott*. Evaluation of seed and foliar fungicides for control of Karnal bunt of wheat **Plant Disease** **71** 94-96 AGRIS 87-095785
With Crops Research Laboratory (USDA), Logan (Utah) US
- 1987 WADDINGTON** S R Waddington, M Osmanzai, M Yoshida and J K Ransom. The yield of durum wheats released in Mexico between 1960 and 1984 **J. Agricultural Science (Cambridge GB)** **108** 469-477
- 1987 WESTCOTT** B Westcott. A method for assessing the yield stability of crop genotypes **J. Agricultural Science (Cambridge GB)** **108** 267-274
-
- 1988 ALAM** K B Alam and J P Gustafson. Tan-spot resistance in *Aegilops* species **Plant Breeding** **100** 112-118
From University of Missouri, Columbia (Missouri) US
- 1988 BYERLEE** Derek Byerlee and Robert Tripp. Strengthening linkages in agricultural research through a farming systems perspective: the role of social scientists **Experimental Agriculture** **24** 137-151
- 1988 CASHION** Norma L Cashion* and E S Luttrell. Host-parasite relationships in Karnal bunt of wheat **Phytopathology** **78** 75-84 AGRIS 88-093112
With University of Georgia, Athens (Georgia) US
- 1988 CROSSA-1** J Crossa, B Westcott and C González. The yield stability of maize genotypes across international environments: full season tropical maize **Experimental Agriculture** **24** 253-263
- 1988 CROSSA-2** J Crossa. A comparison of results obtained with two methods for assessing yield stability **Theoretical and Applied Genetics** **75** 460-467
- 1988 CROSSA-3** J Crossa, B Westcott and C González. Analyzing yield stability of maize genotypes using a spatial model **Theoretical and Applied Genetics** **75** 863-868
- 1988 DATNOFF** L E Datnoff, M H Royer, M R Bonde and J M Prescott*. A quantitative method for estimation of teliospores of *Tilletia indica* in soil **Plant Disease** **72** 209-212 AGRIS 89-106602
With Foreign Disease-Weed Science Research Unit (USDA), Frederick (Maryland) US
- 1988 DHALIWAL** H S Dhaliwal and D V Singh. Up-to-date life cycle of *Neovossia indica* (Mitra) Mundkur **Current Science** **57** 675-677
- 1988 GOATES** Blair J Goates. Histology of infection of wheat by *Tilletia indica*, the Karnal bunt pathogen **Phytopathology** **78** 1434-1441 AGRIS 89-106603
From Utah State University, Logan (Utah) US
- 1988 PHAM** H N Pham* and M S Kang. Interrelationships among and repeatability of several stability statistics estimated from international maize trials **Crop Science** **28** 925-928 AGRIS 89-129336
With Louisiana State University, Baton Rouge (Louisiana) US

- 1988 SINGH-1** D V Singh, H S Dhaliwal and R J Metzger. Inoculum and time for screening against Karnal bunt disease of wheat *Indian Phytopathology* **41** 632-633
- 1988 SINGH-2** D V Singh and H S Dhaliwal. Establishment and spread of Karnal bunt in wheat spike *Seed Research* **16** 200-205
- 1988 WARHAM-1** Elizabeth J Warham. Screening for Karnal bunt (*Tilletia indica*) resistance in wheat, triticale, rye and barley *Canadian J. Plant Pathology* **10** 57-60
- 1988 WARHAM-2** Elizabeth J Warham. Teliospore germination patterns in *Tilletia indica* *Trans. British Mycological Soc.* **90** 318-321
- 1988 WARHAM-3** E J Warham and D Flores. Farmer surveys on the relation of agronomic practices to Karnal bunt disease of wheat in the Yaqui valley, Mexico *Tropical Pest Management* **34** 373-381
-
- 1989 BAJET** Narceo B Bajet and B L Renfro. Occurrence of corn stunt spiroplasma at different elevations in Mexico *Plant Disease* **73** 926-930 AGRIS 90-033042
- 1989 BARKER** T Barker, G Varughese and R Metzger. Alternative backcross methods for introgression of variability into triticale via interspecific hybrids *Crop Science* **29** 963-965 AGRIS 90-023552
- 1989 BROERS** L H M Broers and J E Parleviet. Environmental stability of partial resistance in spring wheat to wheat leaf rust *Euphytica* **44** 241-245 AGRIS 90-061898
From Agricultural University, Wageningen NL
- 1989 CROSSA-1** J Crossa, B Westcott and C González. The yield stability of CIMMYT's maize germplasm *Euphytica* **40** 245-251 AGRIS 89-086660
- 1989 CROSSA-2** J Crossa. Theoretical considerations for the introgression of exotic germplasm into adapted maize populations *Maydica* **34** 53-62 AGRIS 90-123288
- 1989 CROSSA-3** J Crossa* and C O Gardner. Predicted and realized grain yield responses to full-sib family selection in CIMMYT maize (*Zea mays* L.) populations *Theoretical and Applied Genetics* **77** 33-38
With University of Nebraska, Lincoln (Nebraska) US
- 1989 CROSSA-4** J Crossa. Methodologies for estimating the sample size required for genetic conservation of outbreeding crops *Theoretical and Applied Genetics* **77** 153-161
- 1989 DE LEÓN** Carlos De León and Shivaji Pandey. Improvement of resistance to ear and stalk rots and agronomic traits in tropical maize gene pools *Crop Science* **29** 12-17 AGRIS 89-143210
- 1989 DHALIWAL-1** Harcharan Singh Dhaliwal. Multiplication of secondary sporidia of *Tilletia indica* on soil and wheat leaves and spikes and incidence of Karnal bunt *Canadian J. Botany* **67** 2387-2390
- 1989 DHALIWAL-2** H S Dhaliwal and D V Singh. Production and inter-relationship of two types of secondary sporidia of *Neovossia indica* *Current Science* **58** 614-618
- 1989 DUBIN** H J Dubin*, R Johnson and R W Stubbs. Postulated genes for resistance to stripe rust in selected CIMMYT and related wheats *Plant Disease* **73** 472-475 AGRIS 95-012779
With Plant Breeding Institute, Cambridge GB and Research Institute for Plant Protection IPO, Wageningen NL

- 1989 EFRON** Y Efron, S K Kim, J M Fajemisin, J H Mareck, C Y Tang*, Z T Dabrowski, H W Rossel, G Thottappilly and I W Buddenhagen. Breeding for resistance to maize streak virus: a multidisciplinary team approach *Plant Breeding* **103** 1-36
With International Institute for Tropical Agriculture IITA, Ibadan NG
- 1989 FISCHER** K S Fischer, G O Edmeades and E C Johnson. Selection for the improvement of maize yield under moisture-deficits *Field Crops Research* **22** 227-243 AGRIS 90-041083
- 1989 GUSTAFSON** J P Gustafson, J E Dillé and B Skovmand. Wheat substitutions in hexaploid triticale *Plant Breeding* **102** 109-112
With University of Missouri, Columbia (Missouri) US
- 1989 HOCK** J Hock, J Kranz y B L Renfro*. El 'complejo mancha de asfalto' de maíz, su distribución geográfica, requisitos ambientales e importancia económica en México *Revista Mexicana Fitopatología* **7** 129-135
Con Justus-Liebig-Universität, Giessen DE
- 1989 MORRIS** Michael L Morris. Wheat policy options in sub-Saharan Africa: the case of Zimbabwe *Agricultural Economics* **3** 115-129 AGRIS 89-082749
- 1989 MUJEEB-KAZI** A Mujeeb-Kazi, S Roldan, D Y Suh, N Ter-Kuile and S Farooq. Production and cytogenetics of *Triticum aestivum* L. hybrids with some rhizomatous *Agropyron* species *Theoretical and Applied Genetics* **77** 162-168
- 1989 PETERSON** C J Peterson and W H Pfeiffer*. International winter wheat evaluation: relationships among test sites based on cultivar performance *Crop Science* **29** 276-282 AGRIS 89-129411
With University of Nebraska, Lincoln (Nebraska) US
- 1989 POLLAK** L M Pollak and H N Pham*. Classification of maize testing locations in sub-Saharan Africa by using agroclimatic data *Maydica* **34** 43-52 AGRIS 90-123287
With Iowa State University, Ames (Iowa) US
- 1989 RANSOM** J K Ransom, S R Waddington and M Osmanzai. Effect of yellow-berry on field emergence of spring wheat *Field Crops Research* **21** 115-119 AGRIS 89-117642
- 1989 SINGH-DV** D V Singh and H S Dhaliwal. Screening of wheat germplasm for components of resistance to Karnal bunt disease *Indian Phytopathology* **42** 393-399 AGRIS 91-041423
- 1989 SINGH-RP** R P Singh, R L Villareal, S Rajaram and E Del Toro. Cataloguing dwarfing genes *Rht1* and *Rht2* in germplasm used by the bread wheat breeding program at CIMMYT *Cereal Research Communications* **17** 273-279
- 1989 SMILANICK** J L Smilanick, J M Prescott*, J A Hoffmann, L R Secrest and K Weise. Environmental effects on survival and growth of secondary sporidia and teliospores of *Tilletia indica* *Crop Protection* **8** 86-90
With Utah State University, Logan (Utah) US
- 1989 WARHAM** E J Warham, J M Prescott and E Griffiths. Effectiveness of chemical seed treatments in controlling Karnal bunt disease of wheat *Plant Disease* **73** 585-588 AGRIS 95-014734
-
- 1990 AGGARWAL** P K Aggarwal, R A Fischer* and S P Liboon. Source-sink relations and effects of post-anthesis canopy defoliation in wheat at low latitudes *J. Agricultural Science (Cambridge GB)* **114** 93-99
With Indian Agricultural Research Institute, New Delhi IN and International Rice Research Institute IRRI, Los Baños PH

- 1990 BEBBINGTON** Anthony Bebbington and Judith Carney*. Geography in the international agricultural research centers: theoretical and practical considerations *Annals Assoc. American Geographers* **80** 34-48 AGRIS 91-104549
With University of Cambridge, Cambridge GB
- 1990 BECK** D L Beck, S K Vasal and J Crossa. Heterosis and combining ability of CIMMYT's tropical early and intermediate maturity maize (*Zea mays L.*) germplasm *Maydica* **35** 279-285 AGRIS 91-059741
- 1990 CROSSA-1** J Crossa. Statistical analyses of multilocation trials *Advances in Agronomy* **44** 55-85 AGRIS 91-048661
- 1990 CROSSA-2** J Crossa*, H G Gauch, Jr. and R W Zobel. Additive main effects and multiplicative interaction analysis of two international maize cultivar trials *Crop Science* **30** 493-500 AGRIS 90-123313
With Cornell University, Ithaca (New York) US
- 1990 CROSSA-3** J Crossa, S Taba and E J Wellhausen. Heterotic patterns among Mexican races of maize *Crop Science* **30** 1182-1190 AGRIS 91-041291
- 1990 CROSSA-4** J Crossa, S K Vasal and D L Beck. Combining ability estimates of CIMMYT's tropical late yellow maize germplasm *Maydica* **35** 273-278 AGRIS 91-059740
- 1990 DREPPER** W J Drepper and B L Renfro. Comparison of methods for inoculation of ears and stalks of maize with *Fusarium moniliforme* *Plant Disease* **74** 952-956 AGRIS 91-033801
- 1990 DUVEILLER-1** E Duveiller. Seed detection of *Xanthomonas campestris* pv. *undulosa* using a modification of Wilbrink's agar medium *Parasitica* **46** 3-17 AGRIS 92-004213
- 1990 DUVEILLER-2** E Duveiller* and H Maraite. Bacterial sheath rot of wheat caused by *Pseudomonas fuscovaginae* in the highlands of Mexico *Plant Disease* **74** 932-935 AGRIS 91-013948
With Université catholique de Louvain, Louvain-la-Neuve BE
- 1990 FOX** P N Fox*, B Skovmand*, B K Thompson, H-J Braun* and R Cormier*. Yield and adaptation of hexaploid spring triticale *Euphytica* **47** 57-64 AGRIS 90-072301
With Agriculture Canada, Ottawa (Ontario) CA.
- 1990 HEISEY** Paul W Heisey. Comment: maize research in Malawi *J. International Development* **2** 243-253 AGRIS 93-092784
- 1990 KASIM** Firdaus Kasim, Wayne L Haag* and Clyde E Wassom. Genotypic response of corn to aluminum stress. II. Field performance of corn varieties in acid soils and its relationship with performance at seedling stage *Indonesian J. Crop Science* **5** 53-65 AGRIS 94-075775
With Kansas State University, Manhattan (Kansas) US
- 1990 MAREDIA** K M Maredia and J A Mihm. Damage by southwestern corn borer (*Diatraea grandiosella* Dyar) on resistant and susceptible maize at three plant growth stages in Mexico *Tropical Pest Management* **36** 141-144
- 1990 McCAULEY** David E McCauley, Felix J Breden, G Michael Chippendale and John A Mihm*. Genetic differentiation of populations of the southwestern corn borer (Lepidoptera: Pyralidae) from the United States and Mexico *Annals Entomological Soc. America* **83** 586-590 AGRIS 90-097403
With University of Missouri, Columbia (Missouri) US

- 1990 PASHLEY** D P Pashley, T N Hardy, A M Hammond and J A Mihm*. Genetic evidence for sibling species within the sugarcane borer (Lepidoptera: Pyralidae) *Annals Entomological Soc. America* **83** 1048-1053 AGRIS 91-023356
With Louisiana State University, Baton Rouge (Louisiana) US
- 1990 PENA** R J Pena, A Amaya, S Rajaram and A Mujeeb-Kazi. Variation in quality characteristics associated with some spring 1B/1R translocation wheats *J. Cereal Science* **12** 105-112 AGRIS 92-063033
- 1990 RAAB** R T Raab and M A Bell*. Assessing a research training course for wheat crop management *J. Agronomic Education* **19** 72-76 AGRIS 91-104652
With International Service for National Agricultural Research ISNAR, The Hague NL
- 1990 RANSOM-1** J K Ransom*, R E Eplee and M A Langston. Genetic variability for resistance to *Striga asiatica* in maize *Cereal Research Communications* **18** 329-333
With Whiteville Methods Development Center USDA Whiteville (North Carolina) US
- 1990 RANSOM-2** Joel K Ransom*, Robert E Eplee, Marion A Langston and Rebecca S Norris. Methodology for establishing witchweed (*Striga asiatica*) in research plots *Weed Technology* **4** 581-584 AGRIS 93-057354
With Whiteville Methods Development Center USDA, Whiteville (North Carolina) US
- 1990 RIERA-LIZARAZU** O Riera-Lizarazu and A Mujeeb-Kazi. Maize (*Zea mays* L.) mediated wheat (*Triticum aestivum* L.) polyploid production using various crossing methods *Cereal Research Communications* **18** 339-345
- 1990 TABA** S Taba. Conservation and use of maize genetic resources at CIMMYT *Maydica* **35** 183-186 AGRIS 91-059731
- 1990 TRIPP-1** Robert Tripp and Jonathan Woolley. Training in farming systems research: review and prospects *Experimental Agriculture* **26** 247-262 AGRIS 94-021038
- 1990 TRIPP-2** Robert Tripp. Does nutrition have a place in agricultural research? *Food Policy* **15** 467-474 AGRIS 92-071156
- 1990 TRIPP-3** Robert Tripp and Ponniah Anandajayasekeram. Building institutional capacity for on-farm research: call system training courses *J. Agronomic Education* **19** 131-136 AGRIS 91-019281
- 1990 VAN BEUNINGEN** L T Van Beuningen and M M Kohli. Deviation from the regression of infection on heading and height as a measure of resistance to *Septoria tritici* blotch in wheat *Plant Disease* **74** 488-493 AGRIS 90-097994
- 1990 VILLAREAL** R L Villareal, G Varughese and O S Abdalla. Advances in spring triticale breeding *Plant Breeding Reviews* **8** 43-90 AGRIS 91-021347
- 1990 WALLACE** John C Wallace, Mauricio A Lopes*, Edilson Paiva and Brian A Larkins. New methods for extraction and quantitation of zeins reveal a high content of gamma-zein in modified *opaque-2* maize *Plant Physiology* **92** 191-196 AGRIS 90-073138
From Purdue University, West Lafayette (Indiana) US
- 1990 WARHAM-1** Elizabeth J Warham. A comparison of inoculation techniques for assessment of germplasm susceptibility to Karnal bunt (*Tilletia indica*) disease of wheat *Annals of Applied Biology* **116** 43-60 AGRIS 93-096855

- 1990 WARHAM-2** Elizabeth J Warham. Effect of *Tilletia indica* infection on viability, germination and vigor of wheat seed *Plant Disease* **74** 130-132 AGRIS 90-074906
- 1990 WARHAM-3** E J Warham and P A Burnett. Influence of media on pathogenicity and morphology of secondary sporidia of *Tilletia indica* *Plant Disease* **74** 525-527 AGRIS 90-098004
-
- 1991 BECK** D L Beck, S K Vasal and J Crossa. Heterosis and combining ability among subtropical and temperate intermediate-maturity maize germplasm *Crop Science* **31** 68-73 AGRIS 91-059697
- 1991 BOLAÑOS** J Bolaños and G O Edmeades. Value of selection for osmotic potential in tropical maize *Agronomy J.* **83** 948-956 AGRIS 92-041716
- 1991 BONHOMME** R Bonhomme, M Derieux, J R Kiniry, G O Edmeades* and H Ozier-Lafontaine. Maize leaf number sensitivity in relation to photoperiod in multilocation field trials *Agronomy J.* **83** 153-157 AGRIS 91-069731
With INRA Bioclimatologie, Thiverval-Grignon FX, Station de Génétique et d'Amélioration des Plantes (INRA), Estrées-Mons FX, Station Agropédologique, Pointe-à-Pitre GP and Agricultural Research Service (USDA), Temple (Texas) US.
- 1991 BRENNAN** J P Brennan and D Byerlee. The rate of crop varietal replacement on farms: measures and empirical results for wheat *Plant Varieties and Seeds* **4** 99-106 AGRIS 93-105366
- 1991 BYERLEE-1** Derek Byerlee*, Bernard Triomphe* and Michel Sebillotte. Integrating agronomic and economic perspectives into the diagnostic stage of on-farm research *Experimental Agriculture* **27** 95-114 AGRIS 93-033026
With Institut National Agronomique, Paris-Grignon FX
- 1991 BYERLEE-2** Derek Byerlee and Gustavo Sain. Relative food prices under structural adjustment: preliminary findings from Latin America *Food Policy* **16** 74-84 AGRIS 93-011343
- 1991 BYERLEE-3** Derek Byerlee. Monitoring farmers' practices and fields as a continuing activity in on-farm research for evolving cropping systems *J. Asian Farming Systems Association* **1** 179-190
- 1991 CALHOUN-1** D S Calhoun, P A Burnett, J Robinson and H E Vivar. Field resistance to Russian wheat aphid in barley: I. Symptom expression *Crop Science* **31** 1464-1467 AGRIS 92-041712
- 1991 CALHOUN-2** D S Calhoun, P A Burnett, J Robinson, H E Vivar and L Gilchrist. Field resistance to Russian wheat aphid in barley: II. Yield assessment *Crop Science* **31** 1468-1472 AGRIS 92-041710
- 1991 CEBALLOS** H Ceballos*, J A Deutsch* and H Gutiérrez. Recurrent selection for resistance to *Exserohilum turcicum* in eight subtropical maize populations *Crop Science* **31** 964-971 AGRIS 92-052691
With Asgrove Seed Co., Celaya MX
- 1991 CROSSA** J Crossa*, P N Fox*, W H Pfeiffer*, S Rajaram* and H G Gauch Jr. AMMI adjustment for statistical analysis of an international wheat yield trial *Theoretical and Applied Genetics* **81** 27-37
With Cornell University, Ithaca (New York) US
- 1991 DITTRICH** U Dittrich, J Hock, J Kranz and B L Renfro*. Germination of *Phyllachora maydis* ascospores and conidia of *Monographella maydis* *Cryptogamic Botany* **2/3** 214-218
With Justus-Liebig-Universität, Giessen DE

- 1991 ESKRIDGE** K M Eskridge, P F Byrne* and J Crossa*. Selection of stable varieties by minimizing the probability of disaster *Field Crops Research* **27** 169-181 AGRIS 91-106631
With University of Nebraska, Lincoln (Nebraska) US
- 1991 FURINI** Antonella Furini and David C Jewell. Somatic embryogenesis and plant regeneration of *Tripsacum dactyloides* L. *Euphytica* **55** 111-115 AGRIS 91-106948
- 1991 HAN** G C Han, S K Vasal, D L Beck and E Elias. Combining ability of inbred lines derived from CIMMYT maize (*Zea mays* L.) germplasm *Maydica* **36** 57-64 AGRIS 93-012894
- 1991 HE** He Zhong-hu. An investigation of the relationship between the F₁ potential and the measures of genetic distances among wheat lines *Euphytica* **58** 165-170 AGRIS 92-063059
- 1991 HEISEY** Paul W Heisey and John P Brennan. An analytical model of farmers' demand for replacement seed *American J. Agricultural Economics* **73** 1044-1052 AGRIS 92-019985
- 1991 HERRERA** Guido Herrera M. Efecto de las razas PAV, MAV y RPV del virus del enanismo amarillo de la cebada (Barley Yellow Dwarf Virus) sobre el rendimiento y crecimiento de plantas de cebada *Agricultura Técnica* **51** 145-150 AGRIS 92-004146
From Rothamsted Experimental Station, Harpenden (Herts) GB
- 1991 HEUN** M Heun, A E Kennedy, J A Anderson, N L V Lapitan, M E Sorrells and S D Tanksley. Construction of a restriction fragment length polymorphism map for barley (*Hordeum vulgare*) *Genome* **34** 437-447
From Cornell University, Ithaca (New York) US
- 1991 KANG-1** M S Kang and H N Pham*. Simultaneous selection for high yielding and stable crop genotypes *Agronomy J.* **83** 161-165 AGRIS 91-069732
With Louisiana State University, Baton Rouge (Louisiana) US
- 1991 KANG-2** M S Kang, D P Gorman and H N Pham*. Application of a stability statistic to international maize yield trials *Theoretical and Applied Genetics* **81** 162-165
With Louisiana State University, Baton Rouge (Louisiana) US
- 1991 LEATHERS** Howard D Leathers and Melinda Smale. A Bayesian approach to explaining sequential adoption of components of a technological package *American J. Agricultural Economics* **73** 734-742 AGRIS 92-051127
From University of Maryland, College Park (Maryland) US
- 1991 LOW** Allan Low and S R Waddington. Farming systems adaptive research: achievements and prospects in southern Africa *Experimental Agriculture* **27** 115-125 AGRIS 93-033045
- 1991 MAREDIA-1** K M Maredia and J A Mihm. Sugarcane borer (Lepidoptera: Pyralidae) damage to maize at four plant growth stages *Environmental Entomology* **20** 1019-1023 AGRIS 92-043883
- 1991 MAREDIA-2** K M Maredia and J A Mihm. Response of resistant and susceptible maize to different infestation levels of southwestern corn borer (*Diatraea grandiosella* Dyar) in Mexico *Tropical Pest Management* **37** 21-25 AGRIS 93-024892
- 1991 MARTÍNEZ** Juan Carlos Martínez, Gustavo Sain and Michael Yates. Toward farm-based policy analysis: concepts applied in Haiti *Agricultural Economics* **5** 223-235
- 1991 ORTEGA** Enrique I Ortega, Evangelina Villegas, Magni Bjarnason and Kent Short. Changes in dry matter and protein fractions during kernel development of quality protein maize *Cereal Chemistry* **68** 482-486 AGRIS 92-103872

- 1991 PANDEY** Shivaji Pandey, S K Vasal and J A Deusch. Performance of open-pollinated maize cultivars selected from 10 tropical maize populations *Crop Science* **31** 285-290 AGRIS 91-078493
- 1991 PAULIS** J W Paulis, J A Bietz, R J Lambert and E M Villegas*. Identification of modified high-lysine maize genotypes by reversed-phase high-performance liquid chromatography *Cereal Chemistry* **68** 361-365 AGRIS 92-011934
With National Center for Agricultural Utilization Research USDA, Peoria and University of Illinois, Urbana (Illinois) US
- 1991 RAUN** W R Raun and H J Barreto. Maize yield response as affected by phosphorus, sulfur and nitrogen as banded applications on a volcanic ash derived tropical soil *Communications in Soil Science and Plant Analysis* **22** 1661-1676 AGRIS 93-070160
- 1991 ROBINSON** Jonathan Robinson, Hugo Enrique Vivar, Peter Alexander Burnett and Daniel Steven Calhoun. Resistance to Russian wheat aphid (Homoptera: Aphididae) in barley genotypes *J. Economic Entomology* **84** 674-679 AGRIS 91-069719
- 1991 ROMERO** Lourdes Romero Arrieta, Fernando García Pérez y Pedro Santamaría César. Estudio comparativo de consultas en bases de datos en línea y en discos compactos *Revista AIBDA* **12** 57-64
- 1991 SINGH-1** R P Singh and S Rajaram. Resistance to *Puccinia recondita* f. sp. *tritici* in 50 Mexican bread wheat cultivars *Crop Science* **31** 1472-1479 AGRIS 92-044319
- 1991 SINGH-2** R P Singh and A K Gupta. Genes for leaf rust resistance in Indian and Pakistani wheats tested with Mexican pathotypes of *Puccinia recondita* f. sp. *tritici* *Euphytica* **57** 27-36 AGRIS 92-021756
- 1991 SINGH-3** R P Singh, T S Payne and S Rajaram. Characterization of variability and relationships among components of partial resistance to leaf rust in CIMMYT bread wheats *Theoretical and Applied Genetics* **82** 674-680 AGRIS 94-075968
- 1991 TAYLOR** Daphne Taylor and Derek Byerlee. Food aid and food security: a cautionary note *Canadian J. Agricultural Economics* **39** 163-175
- 1991 TRAXLER** Greg Traxler, Mitch Renkow and Larry W Harrington. Assessing the impact of new technology: three levels of analysis *J. Asian Farming Systems Association* **1** 227-244
- 1991 TRIPP** Robert Tripp, Ponniah Anandajayasekeram, Derek Byerlee and Larry W Harrington. FSR: achievements, deficiencies and challenges for the 1990s *J. Asian Farming Systems Association* **1** 259-271
- 1991 VILLAREAL** R L Villareal, S Rajaram, A Mujeeb-Kazi and E Del Toro. The effect of chromosome 1B/1R translocation on the yield potential of certain spring wheats (*Triticum aestivum* L.) *Plant Breeding* **106** 77-81 AGRIS 94-075969
- 1991 YAU** S K Yau, G Ortiz-Ferrara* and J P Srivastava. Classification of diverse bread wheat-growing environments based on differential yield responses *Crop Science* **31** 571-576 AGRIS 92-002449
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
-
- 1992 BARKER** T C Barker and G Varughese. Combining ability and heterosis among eight complete spring hexaploid triticale lines *Crop Science* **32** 340-344 AGRIS 93-012996

- 1992 BJARNASON** M Bjarnason and S K Vasal. Breeding of quality protein maize (QPM) *Plant Breeding Reviews* **9** 181-216 AGRIS 94-117087
- 1992 BORLAUG** Norman E Borlaug. World food security and the legacy of Canadian wheat scientist R. Glenn Anderson *Canadian J. Plant Pathology* **14** 253-266
- 1992 BORRERO** J C Borrero, S Pandey and H Ceballos. Performance and stability of tropical maize hybrids developed from lines with different levels of inbreeding *Maydica* **37** 251-258 AGRIS 93-095213
- 1992 BRAUN** Hans-Joachim Braun*, Wolfgang H Pfeiffer* and Wolfgang G Pollmer. Environments for selecting widely adapted spring wheat *Crop Science* **32** 1420-1427 AGRIS 93-114856
With Universität Hohenheim, Stuttgart DE
- 1992 BYERLEE** Derek Byerlee. Technical change, productivity, and sustainability in irrigated cropping systems of South Asia: emerging issues in the post-green revolution era *J. International Development* **4** 477-496 AGRIS 95-031282
- 1992 CEBALLOS** H Ceballos and J A Deutsch. Inheritance of resistance to tar spot complex in maize *Phytopathology* **82** 505-512 AGRIS 92-114107
- 1992 CONNELL** John G Connell. A "minimalist" approach to participatory extension *J. Asian Farming Systems Association* **1** 361-369
- 1992 CORNELIUS** P L Cornelius, M Seyedsahr and J Crossa*. Using the shifted multiplicative model to search for "separability" in crop cultivar trials *Theoretical and Applied Genetics* **84** 161-172 AGRIS 94-063828
With University of Kentucky, Lexington (Kentucky) US
- 1992 CROSSA** J Crossa, D C Jewell, J A Deutsch and S Taba. Gene action and the bottleneck effect in relation to sample size for maintenance of cross-pollinated populations *Field Crops Research* **29** 225-239 AGRIS 92-062837
- 1992 DAS** Modan K Das, Sanjaya Rajaram*, Christopher C Mundt and Warren E Kronstad. Inheritance of slow-rusting resistance to leaf rust in wheat *Crop Science* **32** 1452-1456 AGRIS 93-116859
With Oregon State University, Corvallis (Oregon) US
- 1992 DUVEILLER** E Duveiller* and C Bragard. Comparison of immunofluorescence and two assays for detection of *Xanthomonas campestris* pv. *undulosa* in seeds of small grains *Plant Disease* **76** 999-1003 AGRIS 93-046911
With Université Catholique de Louvain, Louvain-la-Neuve BE
- 1992 ELLIS-1** R H Ellis, R J Summerfield, G O Edmeades* and E H Roberts. Photoperiod, leaf number, and interval from tassel initiation to emergence in diverse cultivars of maize *Crop Science* **32** 398-403 AGRIS 93-013738
With University of Reading, Reading GB
- 1992 ELLIS-2** R H Ellis, R J Summerfield, G O Edmeades* and E H Roberts. Photoperiod, temperature, and the interval from sowing to tassel initiation in diverse cultivars of maize *Crop Science* **32** 1225-1232 AGRIS 95-034708
With University of Reading, Reading GB

- 1992 FUENTES-DAVILA** G Fuentes-Davila and D A Lawn. Effect of methyl bromide and dazomet on germination of *Tilletia indica* teliospores in field soil *Tropical Pest Management* **38** 323-324 AGRIS 95-036687
- 1992 GUEI** R G Guei and C E Wassom. Inheritance of some drought adaptive traits in maize: I. Interrelationships between yield, flowering, and ears per plant *Maydica* **37** 157-164 AGRIS 93-095207
From Kansas State University, Manhattan (Kansas) US
- 1992 HARRINGTON** L W Harrington. Measuring sustainability: issues and alternatives *J. Farming Systems Research-Extension* **3** 1-20 AGRIS 94-021493
- 1992 HE** He Zhong-hu, R J Peña and S Rajaram. High molecular weight glutenin subunit composition of Chinese bread wheats *Euphytica* **64** 11-20 AGRIS 93-034880
- 1992 HOCK-1** J Hock, U Dittrich, B L Renfro* and J Kranz. Sequential development of pathogens in the maize tarspot disease complex *Mycopathologia* **117** 157-161
With Universität Giessen, Giessen DE
- 1992 HOCK-2** J Hock*, J Kranz and B L Renfro*. Tests of standard diagrams for field use in assessing the tarspot disease complex of maize (*Zea mays*) *Tropical Pest Management* **38** 314-318 AGRIS 95-036716
With Universität Giessen, Giessen DE
- 1992 IMMONEN** A S T Immonen. Effect of karyotype on somatic embryogenesis from immature triticale (X *Triticum-secale* Wittmack) embryos *Plant Breeding* **109** 116-122 AGRIS 94-064463
- 1992 LAWN** D A Lawn and K D Sayre. Soilborne pathogens on cereals in a highland location of Mexico *Plant Disease* **76** 149-154 AGRIS 95-004586
- 1992 MAREDA** K M Maredia, O L Segura and J A Mihm. Effects of neem, *Azadirachta indica*, on six species of maize insect pests *Tropical Pest Management* **38** 190-195
- 1992 MUJEEB-KAZI** A Mujeeb-Kazi. Genetic manipulation in wheat (*Triticum aestivum* L.) mediated by the chromosome 5B *Ph* locus and its significance for the transfer of alien genes *Annals of Biology (Hisar IN)* **8** 178-187
- 1992 NACHIT-1** M M Nachit*, M E Sorrells, R W Zobel, H G Gauch, R A Fischer* and W R Coffman. Association of morpho-physiological traits with grain yield and components of genotype-environment interaction in durum wheat I. *J. Genetics & Breeding* **46** 363-368 AGRIS 93-095291
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY and Cornell University, Ithaca (New York) US
- 1992 NACHIT-2** M M Nachit*, M E Sorrells, R W Zobel, H G Gauch, R A Fischer* and W R Coffman. Association of environmental variables with sites' mean grain yield and components of genotype-environment interaction in durum wheat II. *J. Genetics & Breeding* **46** 369-372 AGRIS 93-095292
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY and Cornell University, Ithaca (New York) US
- 1992 NACHIT-3** M M Nachit*, G Nachit*, H Ketata*, H G Gauch Jr and R W Zobel. Use of AMMI and linear regression models to analyze genotype-environment interaction in durum wheat *Theoretical and Applied Genetics* **83** 597-601 AGRIS 94-065725
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY and Cornell University, Ithaca (New York) US

- 1992 PANDEY** Shivaji Pandey* and C O Gardner. Recurrent selection for population, variety, and hybrid improvement in tropical maize *Advances in Agronomy* **48** 1-87 AGRIS 93-064216
With University of Nebraska, Lincoln (Nebraska) US
- 1992 PEÑA** Roberto J Peña and Arnoldo Amaya. Milling and breadmaking properties of wheat-triticale grain blends *J. Science of Food and Agriculture* **60** 483-487
- 1992 RAUN** W R Raun and H J Barreto. Maize grain yield response to sulphur fertilization in central America *Sulphur in Agriculture* **16** 26-30
- 1992 RIERA-LIZARAZU** O Riera-Lizarazu, A Mujeeb-Kazi and M D H M William. Maize (*Zea mays* L.) mediated polyhaploid production in some Triticeae using a detached tiller method *J. Genetics & Breeding* **46** 335-346 AGRIS 93-095230
- 1992 ROBINSON-1** J Robinson, F Delgado, H E Vivar and P A Burnett. Inheritance of resistance to Russian wheat aphid in barley *Euphytica* **62** 213-217 AGRIS 93-012838
- 1992 ROBINSON-2** J Robinson. Assessment of Russian wheat aphid (Homoptera: Aphididae) resistance in barley seedlings in Mexico *J. Economic Entomology* **85** 1954-1962 AGRIS 93-034692
- 1992 ROBINSON-3** J Robinson. Modes of resistance in barley seedlings to six aphid (Homoptera: Aphididae) species *J. Economic Entomology* **85** 2510-2515 AGRIS 93-064184
- 1992 ROBINSON-4** J Robinson and B Skovmand. Evaluation of emmer wheat and other Triticeae for resistance to Russian wheat aphid *Genetic Resources and Crop Evolution* **39** 159-163
- 1992 ROBINSON-5** J Robinson, D S Calhoun and P A Burnett. Greenhouse rearing and field infestation of Russian wheat aphid using triticale as an example *Southwestern Entomologist* **17** 17-21 AGRIS 93-056513
- 1992 ROBINSON-6** J Robinson. Predators and parasitoids of Russian wheat aphid in central Mexico *Southwestern Entomologist* **17** 185-186 AGRIS 94-004340
- 1992 SINGH-1** R P Singh and S Rajaram. Genetics of adult-plant resistance of leaf rust in 'Frontana' and three CIMMYT wheats *Genome* **35** 24-31
- 1992 SINGH-2** R P Singh. Genetic association of leaf rust resistance gene *Lr34* with adult plant resistance to stripe rust in bread wheat *Phytopathology* **82** 835-838 AGRIS 93-036996
- 1992 SINGH-3** R P Singh, E Bechere and O Abdalla. Genetic analysis of resistance to stem rust in ten durum wheats *Phytopathology* **82** 919-921 AGRIS 93-047082
- 1992 SINGH-4** R P Singh and A K Gupta. Expression of wheat leaf rust resistance gene *Lr34* in seedlings and adult plants *Plant Disease* **76** 489-491 AGRIS 92-095247
- 1992 SINGH-5** Ravi P Singh. Association between gene *Lr34* for leaf rust resistance and leaf tip necrosis in wheat *Crop Science* **32** 874-878 AGRIS 93-074211
- 1992 THOME** Catherine R Thome, Margaret E Smith and John A Mihm*. Leaf feeding resistance to multiple insect species in a maize diallel *Crop Science* **32** 1460-1463 AGRIS 93-116545
With Cornell University, Ithaca (New York) US

- 1992 TRAXLER** Greg Traxler and Derek Byerlee. Economic returns to crop management research in a post-green revolution setting *American J. Agricultural Economics* **74** 573-582 AGRIS 93-042721
- 1992 VASAL-1** Surinder K Vasal, Ganesan Srinivasan, José Crossa and David L Beck. Heterosis and combining ability of CIMMYT's subtropical and temperate early-maturity maize germplasm *Crop Science* **32** 884-890 AGRIS 93-074089
- 1992 VASAL-2** Surinder K Vasal, Ganesan Srinivasan, F González C, G C Han, Shivaji Pandey, David L Beck and José Crossa. Heterosis and combining ability of CIMMYT's tropical x subtropical maize germplasm *Crop Science* **32** 1483-1489 AGRIS 93-114778
- 1992 VASAL-3** S K Vasal, G Srinivasan, D L Beck, J Crossa, S Pandey and C De Leon. Heterosis and combining ability of CIMMYT's tropical late white maize germplasm *Maydica* **37** 217-223 AGRIS 93-095211
- 1992 VASAL-4** S K Vasal, G Srinivasan, S Pandey, H S Cordova, G C Han and F Gonzalez C. Heterotic patterns of ninety-two white tropical CIMMYT maize lines *Maydica* **37** 259-270 AGRIS 93-095214
- 1992 VASAL-5** S K Vasal, G Srinivasan, G C Han and F Gonzalez C. Heterotic patterns of eighty-eight white subtropical CIMMYT maize lines *Maydica* **37** 319-327 AGRIS 93-095218
- 1992 VILLAREAL** R L Villareal, S Rajaram and E Del Toro. Yield and agronomic traits of Norin 10-derived spring wheats adapted to northwestern Mexico *J. Agronomy and Crop Science* **168** 289-297
- 1992 WILLIAM-1** M D H M William, O Riera-Lizarazu and A Mujeeb-Kazi. A combination of protein electrophoretic techniques for the detection of 1B, 1B/1R heterozygotes in *Triticum aestivum* L. *J. Genetics & Breeding* **46** 137-142 AGRIS 93-095277
- 1992 WILLIAM-2** M D H M William and A Mujeeb-Kazi. Isozyme and cytological markers of some *Psathyrostachys juncea* accessions *Theoretical and Applied Genetics* **84** 528-534 AGRIS 94-064936
- 1992 WISEMAN** B R Wiseman, M E Snook, D J Isenhour, J A Mihm* and N W Widstrom. Relationship between growth of corn earworm and fall armyworm larvae (Lepidoptera: Noctuidae) and maysin concentration in corn silks *J. Economic Entomology* **85** 2473-2477 AGRIS 93-064187
With United States Department of Agriculture, Tifton (Georgia) US
-
- 1993 ARAUS** José L Araus, Matthew P Reynolds* and Edmundo Acevedo*. Leaf posture, grain yield, growth, leaf structure, and carbon isotope distribution in wheat *Crop Science* **33** 1273-1279 AGRIS 95-034750
With Universidad de Barcelona, Barcelona ES
- 1993 ARNASON** J T Arnason, J D H Lambert, J Gale, J Mihm*, M Bjarnason*, D Jewell*, J A Serratos, J Fregeau-Reid and L Pietrzak. Is "quality protein" maize more susceptible than normal cultivars to attack by the maize weevil *Sitophilus zeamais*? *Postharvest Biology and Technology* **2** 349-358 AGRIS 93-065840
With Ottawa-Carleton Institute of Biology and Agriculture Canada, Ottawa CA and Centro de Investigación y de Estudios Avanzados, Irapuato MX

- 1993 BELL-1** M A Bell, H R Lafitte, A D Violic and A F E Palmer. Practical wheat and maize crop management research courses for developing country agronomists *J. Natural Resources and Life Sciences Education* **22** 27-30 AGRIS 94-083290
- 1993 BELL-2** Mark A Bell. Organic matter, soil properties, and wheat production in the high valley of Mexico *Soil Science* **156** 86-93 AGRIS 94-092243
- 1993 BOLAÑOS-1** J Bolaños and G O Edmeades. Eight cycles of selection for drought tolerance in lowland tropical maize. I. Responses in grain yield, biomass, and radiation utilization *Field Crops Research* **31** 233-252 AGRIS 93-012910
- 1993 BOLAÑOS-2** J Bolaños and G O Edmeades. Eight cycles of selection for drought tolerance in lowland tropical maize. II. Responses in reproductive behavior *Field Crops Research* **31** 253-268 AGRIS 93-012911
- 1993 BOLAÑOS-3** J Bolaños, G O Edmeades and L Martínez. Eight cycles of selection for drought tolerance in lowland tropical maize. III. Responses in drought-adaptive physiological and morphological traits *Field Crops Research* **31** 269-286 AGRIS 93-012912
- 1993 BRAGARD-1** C Bragard, Y R Mehta and H Maraite. Serodiagnostic assays vs. the routine techniques to detect *Xanthomonas campestris* pv. *undulosa* in wheat seeds *Fitopatologia Brasileira* **18** 42-50
From Université Catholique de Louvain, Louvain-la-Neuve BE and IAPAR, Londrina (Paraná) BR
- 1993 BRAGARD-2** C Bragard and M Verhoyen. Monoclonal antibodies specific for *Xanthomonas campestris* bacteria pathogenic on wheat and other small grains, in comparison with polyclonal antisera *J. Phytopathology* **139** 217-228 AGRIS 94-088034
From Université Catholique de Louvain, Louvain-la-Neuve BE
- 1993 BYERLEE-1** Derek Byerlee and Michael Morris. Research for marginal environments: are we underinvested? *Food Policy* **18** 381-393 AGRIS 96-000499
- 1993 BYERLEE-2** Derek Byerlee. Technical change and returns to wheat breeding research in Pakistan's Punjab in the post-green revolution period *Pakistan Development Review* **32** 69-86
- 1993 BYERLEE-3** Derek Byerlee and Michael L Morris. Calculating levels of protection: is it always appropriate to use world reference prices based on current trading status? *World Development* **21** 805-815
- 1993 CAUSARANO** Hector Causarano. Factors affecting the tensile strength of soil aggregates *Soil & Tillage Research* **28** 15-25 AGRIS 94-008679
From University of Reading, Reading GB
- 1993 CROSSA-1** J Crossa*, P L Cornelius, M Seyedsadr and P Byrne*. A shifted multiplicative model cluster analysis for grouping environments without genotypic rank change *Theoretical and Applied Genetics* **85** 577-586 AGRIS 94-075761
With University of Kentucky, Lexington (Kentucky) US
- 1993 CROSSA-2** J Crossa*, C M Hernandez, P Bretting, S A Eberhart and S Taba*. Statistical genetic considerations for maintaining germ plasm collections *Theoretical and Applied Genetics* **86** 673-678 AGRIS 94-063862
With University of Colima, Colima MX, Plant Introduction Station USDA, Ames (Iowa) US and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US

- 1993 DANIAL** D L Danial, L H M Broers* and J E Parlevliet. Does interplot interference affect the screening of wheat for yellow rust resistance? *Euphytica* **70** 217-224 AGRIS 94-012837
With Agricultural University, Wageningen NL and National Plant Breeding Research Center, Njoro KE
- 1993 DAS** M K Das, S Rajaram*, W E Kronstad, C C Mundt and R P Singh*. Associations and genetics of three components of slow rusting in leaf rust of wheat *Euphytica* **68** 99-109 AGRIS 93-105384
With Oregon State University, Corvallis (Oregon) US
- 1993 DE LEÓN** C De León, G Granados, R N Wedderburn, and S Pandey. Simultaneous improvement of downy mildew resistance and agronomic traits in tropical maize *Crop Science* **33** 100-102 AGRIS 94-023165
- 1993 DUVEILLER-1** Etienne Duveiller, Maarten van Ginkel and Marja Thijssen. Genetic analysis of resistance to bacterial leaf streak caused by *Xanthomonas campestris* pv. *undulosa* in bread wheat *Euphytica* **66** 35-43 AGRIS 93-085480
- 1993 DUVEILLER-2** E Duveiller* and H Maraite. Study on yield loss due to *Xanthomonas campestris* pv. *undulosa* in wheat under high rainfall temperate conditions *Z. Pflanzenkrankheiten und Pflanzenschutz* **100** 453-459 AGRIS 94-036507
With Université Catholique de Louvain, Louvain-la-Neuve BE
- 1993 EDMEADES-1** G O Edmeades and H R Lafitte. Defoliation and plant density effects on maize selected for reduced plant height *Agronomy J.* **85** 850-857 AGRIS 95-002487
- 1993 EDMEADES-2** G O Edmeades, J Bolaños, M Hernández and S Bello. Causes for silk delay in a lowland tropical maize population *Crop Science* **33** 1029-1035 AGRIS 94-075750
- 1993 FUENTES** Guillermo Fuentes Dávila y Ricardo Rodríguez Ramos. Fuentes de resistencia a *Tilletia indica* Mitra en genotipos derivados de *Triticum aestivum* x *Triticosecale* *Revista Fitotecnia Mexicana* **16** 172-178 AGRIS 95-023077
- 1993 FUENTES-DÁVILA** Guillermo Fuentes-Dávila, Sanjaya Rajaram, Wolfgang Helmut Pfeiffer, Osman Abdalla, Maarten van-Ginkel, Abdul Mujeeb-Kazi y Ricardo Rodríguez-Ramos. Resultados de inoculaciones artificiales del 5° vivero de selección para resistencia a *Tilletia indica* Mitra *Revista Mexicana de Micología* **9** 57-65
- 1993 GRANADOS** G Granados, S Pandey and H Ceballos. Response to selection for tolerance to acid soils in a tropical maize population *Crop Science* **33** 936-940 AGRIS 94-075743
- 1993 GUEI** Robert G Guei and C E Wassom. Genetics of osmotic adjustment in breeding maize for drought tolerance *Heredity* **71** 436-441 AGRIS 96-068681
From Kansas State University, Manhattan (Kansas) US
- 1993 IMMONEN-1** A S T Immonen. Amino acid medium for somatic embryogenesis from immature triticale (x *Triticosecale* Wittmark) embryos *Cereal Research Communications* **21** 51-55
- 1993 IMMONEN-2** A Sirkka T Immonen, George Varughese, Wolfgang H Pfeiffer and Abdul Mujeeb-Kazi. Crossability of tetraploid and hexaploid wheats with ryes for primary triticale production *Euphytica* **65** 203-210 AGRIS 93-064275
- 1993 IMMONEN-3** A Sirkka T Immonen. Comparison of callus culture with embryo culture at different times of embryo rescue for primary triticale production *Euphytica* **70** 185-190 AGRIS 94-012803

- 1993 LÓPEZ-PEREIRA** Miguel A López-Pereira. Economics of quality protein maize as a feedstuff *Agribusiness* **9** 557-568 AGRIS 95-019850
- 1993 MORGUNOV** A I Morgunov, R J Peña, J Crossa and S Rajaram. Worldwide distribution of *Glu-1* alleles in bread wheat *J. Genetics & Breeding* **47** 53-60
- 1993 MORRIS** Michael L Morris and Derek Byerlee. Narrowing the wheat gap in sub-saharan Africa: a review of consumption and production issues *Economic Development and Cultural Change* **41** 737-761 AGRIS 94-062285
- 1993 MUJEEB-KAZI** A Mujeeb-Kazi*, N Ter-Kuile and M Nabors. Potential of tissue culture applications in some Triticeae via callus induced variation, alien introgression and amphiploid production *Annals of Biology (Hisar IN)* **9** 1-15 AGRIS 93-095117
With Colorado State University, Fort Collins (Colorado) US
- 1993 PIXLEY** K V Pixley and M S Bjarnason. Combining ability for yield and protein quality among modified-endosperm *opaque-2* tropical maize inbreds *Crop Science* **33** 1229-1234 AGRIS 95-033477
- 1993 POLLAK** Linda M Pollak and John D Corbett*. Using GIS datasets to classify maize-growing regions in Mexico and Central America *Agronomy J.* **85** 1133-1139 AGRIS 95-033444
With Iowa State University, Ames (Iowa) US
- 1993 RAGOT** M Ragot and D A Hoisington*. Molecular markers for plant breeding: comparisons of RFLP and RAPD genotyping costs *Theoretical and Applied Genetics* **86** 975-984 AGRIS 94-064687
With North Carolina State University, Raleigh (North Carolina) US
- 1993 RAJARAM** S Rajaram, G Varughese, O Abdalla, W H Pfeiffer and M van Ginkel. Accomplishments and challenges in wheat and triticale breeding at CIMMYT *Plant Breeding Abstracts* **63** 131-139
- 1993 RANIERI-1** R Ranieri*, R M Lister and P A Burnett*. Relationships between barley yellow dwarf virus titer and symptom expression in barley *Crop Science* **33** 968-973 AGRIS 94-078409
With Purdue University, West Lafayette (Indiana) US
- 1993 RANIERI-2** R Ranieri*, M Mezzalama, P A Burnett* and R M Lister. Seasonal occurrence of barley yellow dwarf virus serotypes in small-grain cereals in the valley of Mexico *Plant Disease* **77** 623-626 AGRIS 94-046539
With Purdue University, West Lafayette (Indiana) US
- 1993 RANIERI-3** R Ranieri, B van Os and R M Lister. Vector relationships of four barley yellow dwarf virus Mexican isolates and four species of cereal aphids found commonly in the valley of Mexico *Southwestern Entomologist* **18** 163-167 AGRIS 95-004530
With Purdue University, West Lafayette (Indiana) US
- 1993 RAYBURN** A Lane Rayburn, M D H M William* and A Mujeeb-Kazi*. Visualization of *Thinopyrum bessarabicum* chromosomes in a *Triticum aestivum/Th. bessarabicum* amphiploid by genomic *in situ* hybridization *J. Genetics & Breeding* **47** 245-247
With University of Illinois, Urbana (Illinois) US
- 1993 RENKOW** Mitch Renkow. Differential technology adoption and income distribution in Pakistan: implications for research resource allocation *American J. Agricultural Economics* **75** 33-43 AGRIS 94-031954

- 1993 RIERA-LIZARAZU** Oscar Riera-Lizarazu and Abdul Mujeeb-Kazi. Polyhaploid production in the Triticeae: wheat x *Tripsacum* crosses *Crop Science* **33** 973-976 AGRIS 94-076280
- 1993 ROBINSON-1** J Robinson. Productivity of barley infested with Russian wheat aphid [*Diuraphis noxia* (Kurdjumov)] *J. Agronomy and Crop Science* **171** 168-175 AGRIS 94-109058
- 1993 ROBINSON-2** J Robinson. Conditioning host plant affects antixenosis and antibiosis to Russian wheat aphid (Homoptera: Aphididae) *J. Economic Entomology* **86** 602-606 AGRIS 94-075805
- 1993 ROBINSON-3** J Robinson, M Fischer and D Hoisington. Molecular characterization of *Diuraphis* spp. using random amplified polymorphic DNA *Southwestern Entomologist* **18** 121-127 AGRIS 94-098679
- 1993 ROMAGOSA** I Romagosa, P N Fox*, L F García del Moral, J M Ramos, B García del Moral, F Roca de Togores and J L Molina-Cano. Integration of statistical and physiological analyses of adaptation of near-isogenic barley lines *Theoretical and Applied Genetics* **86** 822-826 AGRIS 94-064585
With Center UdL-IRTA, Lleida; University of Granada, Granada; and La Cruz del Campo SA, Sevilla ES
- 1993 SAIN** Gustavo E Sain and Mario A Jauregui. Deriving fertilizer recommendations with a flexible functional form *Agronomy J.* **85** 934-937 AGRIS 95-001995
- 1993 SELMANI** A Selmani and C E Wassom. Daytime chlorophyll fluorescence measurement in field-grown maize and its genetic variability under well-watered and water-stressed conditions *Field Crops Research* **31** 173-184 AGRIS 93-003756
From Kansas State University, Manhattan (Kansas) US
- 1993 SINGH-1** Ravi P Singh, Peter A Burnett, M Albarrán, and Sanjaya Rajaram. *Bdv1*: a gene for tolerance to barley yellow dwarf virus in bread wheats *Crop Science* **33** 231-234 AGRIS 94-119552
- 1993 SINGH-2** Ravi P Singh. Resistance to leaf rust in 26 Mexican wheat cultivars *Crop Science* **33** 633-637 AGRIS 94-119536
- 1993 SINGH-3** R P Singh, E Bechere and O Abdalla. Genetic analysis of resistance to leaf rust in nine durum wheats *Plant Disease* **77** 460-463 AGRIS 94-036737
- 1993 SINGH-4** R P Singh. Genetic association of gene *Bdv1* for tolerance to barley yellow dwarf virus with genes *Lr34* and *Yr18* for adult plant resistance to rusts in bread wheat *Plant Disease* **77** 1103-1106 AGRIS 94-109481
- 1993 SMALE** Melinda Smale and Paul W Heisey. Simultaneous estimation of seed-fertilizer adoption decisions: an application to hybrid maize in Malawi *Technological Forecasting and Social Change* **43** 353-368
- 1993 SRINIVASAN** G Srinivasan and R Herrera. Microcomputer-based software system to facilitate mechanical planting for agricultural experiments *Agronomy J.* **85** 959-962 AGRIS 95-001159
- 1993 TANG** C Y Tang and M S Bjarnason. Two approaches for the development of maize germplasm resistant to maize streak virus *Maydica* **38** 301-307
- 1993 TRAXLER** Greg Traxler and Derek Byerlee. A joint-product analysis of the adoption of modern cereal varieties in developing countries *American J. Agricultural Economics* **75** 981-989 AGRIS 95-031289

- 1993 TRETOWAN** R M Trethowan, W H Pfeiffer, R J Peña and O S Abdalla. Preharvest sprouting tolerance in three triticale biotypes *Australian J. Agricultural Research* **44** 1789-1798 AGRIS 95-133855
- 1993 TRIPP** Robert Tripp. Invisible hands, indigenous knowledge and inevitable fads: challenges to public sector agricultural research in Ghana *World Development* **21** 2003-2016 AGRIS 96-066053
- 1993 VASAL-1** Surinder K Vasal, Ganesan Srinivasan, Shivaji Pandey, F González C, José Crossa and David L Beck. Heterosis and combining ability of CIMMYT's quality protein maize germplasm: I. Lowland Tropical *Crop Science* **33** 46-51 AGRIS 94-023161
- 1993 VASAL-2** Surinder K Vasal, Ganesan Srinivasan, F González C, David L Beck, and José Crossa. Heterosis and combining ability of CIMMYT's quality protein maize germplasm: II. Subtropical *Crop Science* **33** 51-57 AGRIS 94-023162
- 1993 VILLAREAL-1** R L Villareal and E del Toro. An assessment of a wheat improvement research training course for developing countries *J. Natural Resources and Life Sciences Education* **22** 38-43 AGRIS 94-083291
- 1993 VILLAREAL-2** R L Villareal and E del Toro. Competence evaluation of participants in a wheat improvement research training course *J. Natural Resources and Life Sciences Education* **22** 44-48 AGRIS 94-083306
- 1993 WEBBY** G N Webby, R M Lister and P A Burnett*. The occurrence of barley yellow dwarf viruses in CIMMYT bread wheat nurseries and associated cereal crops during 1988-1990 *Annals of Applied Biology* **123** 63-74 AGRIS 96-005567
With Purdue University, West Lafayette (Indiana) US
- 1993 WEDDERBURN** R N Wedderburn and G M Listman. Accomplishments and challenges in maize breeding at the International Maize and Wheat Improvement Center *Plant Breeding Abstracts* **63** 1027-1035 AGRIS 96-002580
- 1993 WILLIAM-1** M D H M William and Abdul Mujeeb-Kazi. Rapid detection of 1B, 1BL/1RS heterozygotes in the development of homozygous 1BL/1RS translocation stocks of *Triticum turgidum* ($2n = 4x = 28$) *Genome* **36** 1088-1091 AGRIS 96-002966
- 1993 WILLIAM-2** M D H M William and A Mujeeb-Kazi. *Thinopyrum bessarabicum*: biochemical and cytological markers for the detection of genetic introgression in its hybrid derivatives with *Triticum aestivum* L. *Theoretical and Applied Genetics* **86** 365-370 AGRIS 94-064984
- 1993 WILLIAM-3** M D H M William, R J Peña, and A Mujeeb-Kazi. Seed protein and isozyme variations in *Triticum tauschii* (*Aegilops squarrosa*) *Theoretical and Applied Genetics* **87** 257-263 AGRIS 94-064506
- 1993 WINKELMANN** Donald L Winkelmann and G Michael Listman. Corn in the developing world and the International Maize and Wheat Improvement Center *Food Reviews International* **9** 315-349 AGRIS 94-011384
-
- 1994 ARNASON** J T Arnason, B Baum, J Gale, J D H Lambert, D Bergvinson, B J R Philogene, J A Serratos, J Mihm* and D C Jewell*. Variation in resistance of Mexican landraces of maize to maize weevil *Sitophilus zeamais*, in relation to taxonomic and biochemical parameters *Euphytica* **74** 227-236 AGRIS 94-098781
With Ottawa-Carleton Institute of Biology and Agriculture Canada, Ottawa (Ontario) CA and Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), Chapingo (México) MX

- 1994 BELL** M A Bell and R A Fischer. Using yield prediction models to assess yield gains: a case study for wheat *Field Crops Research* **36** 161-166 AGRIS 94-062780
- 1994 BERGVINSON** D J Bergvinson, J T Arnason, R I Hamilton, J A Mihm* and D C Jewell*. Determining leaf toughness and its role in maize resistance to the European corn borer (Lepidoptera: Pyralidae) *J. Economic Entomology* **87** 1743-1748 AGRIS 96-055853
With University of Ottawa and Agriculture Canada, Ottawa (Ontario) CA
- 1994 BONHOMME** R Bonhomme, M Derieux and G O Edmeades*. Flowering of diverse maize cultivars in relation to temperature and photoperiod in multilocation field trials *Crop Science* **34** 156-164 AGRIS 95-112232
With Station de Bioclimatologie INRA, Thiverval-Grignon and Station de Génétique et d'Amélioration des Plantes INRA, Estrées-Mons FX
- 1994 BROERS** L H M Broers and R M Lopez-Atilano. A method of inoculating adult wheat plants with urediospores of *Puccinia striiformis* to measure components of resistance *Plant Disease* **78** 353-357 AGRIS 95-036760
- 1994 BYERLEE** Derek Byerlee* and Akmal Siddiq. Has the Green Revolution been sustained? The quantitative impact of the seed-fertilizer revolution in Pakistan revisited *World Development* **22** 1345-1361 AGRIS 95-127631
With University of Illinois, Urbana-Champaign (Illinois) US
- 1994 CALHOUN** D S Calhoun, G Gebeyehu, A Miranda, S Rajaram and M van Ginkel. Choosing evaluation environments to increase wheat grain yield under drought conditions *Crop Science* **34** 673-678 AGRIS 95-076670
- 1994 CHEN** F Q Chen, D Prehn, P M Hayes, D Mulrooney, A Corey and H Vivar*. Mapping genes for resistance to barley stripe rust (*Puccinia striiformis* f. sp. *hordei*) *Theoretical and Applied Genetics* **88** 215-219 AGRIS 97-089528
With Oregon State University, Corvallis (Oregon) US
- 1994 COCA** Alvaró Coca C. Niveles de actividad proteolítica en harinas de triticales con problemas germinación en la espiga *Revista ICA* **29** 97-106 AGRIS 2000-009825
- 1994 CROSSA** J Crossa*, S Taba*, S A Eberhart, P Bretting and R Vencovsky. Practical considerations for maintaining germplasm in maize *Theoretical and Applied Genetics* **89** 89-95 AGRIS 95-111155
With National Seed Storage Laboratory USDA, Fort Collins (Colorado) US; North Central Regional Plant Introduction Station, Ames (Iowa) US; and Instituto de Genética, Piracicaba (São Paulo) BR
- 1994 DE LEON** C de Leon and Uthaiwan Grudloyma. Heat therapy of maize seed and its effect on viability *Indian Phytopathology* **47** 89-91
- 1994 DeLACY** I H DeLacy, P N Fox*, J D Corbett*, J Crossa*, S Rajaram*, R A Fischer* and M van Ginkel*. Long-term association of locations for testing spring bread wheat *Euphytica* **72** 95-106 AGRIS 94-096704
With University of Queensland, Brisbane (Queensland) AU
- 1994 DHILLON** B S Dhillon, S K Vasal, G Srinivasan and J Crossa. Improving the sampling and identification of foundation plants for inbred line development by integrating selfing with half-sib family evaluation *Cereal Research Communications* **22** 321-325
- 1994 DUBIN** H J Dubin* and M S Wolfe. Comparative behavior of three wheat cultivars and their mixture in India, Nepal and Pakistan *Field Crops Research* **39** 71-83 AGRIS 95-076474
With Eidgenössische Technische Hochschule ETH, Zürich CH

- 1994 DUQUE-VARGAS** J Duque-Vargas, S Pandey, G Granados, H Ceballos and E Knapp. Inheritance of tolerance to soil acidity in tropical maize *Crop Science* **34** 50-54 AGRIS 95-111139
- 1994 DUVEILLER-1** E Duveiller. Bacterial leaf streak or black chaff of cereals *Bulletin OEPP* **24** 135-157 AGRIS 95-066741
- 1994 DUVEILLER-2** E Duveiller. A study of *Xanthomonas campestris* pv. *undulosa* populations associated with symptomless wheat leaves *Parasitica* **50** 109-117 AGRIS 95-114886
- 1994 DUVEILLER-3** E Duveiller. A pictorial series of disease assessment keys for bacterial leaf streak of cereals *Plant Disease* **78** 137-141 AGRIS 95-014656
- 1994 EAGLES** H A Eagles and J E Lothrop*. Highland maize from central Mexico - its origin, characteristics, and use in breeding programs *Crop Science* **34** 11-19 AGRIS 95-111143
With Victorian Institute for Dryland Agriculture, Horsham (Victoria) AU
- 1994 FUENTES-DAVILA-1** G Fuentes-Davila and S Rajaram. Sources of resistance to *Tilletia indica* in wheat *Crop Protection* **13** 20-24 AGRIS 95-066784
- 1994 FUENTES-DAVILA-2** Guillermo Fuentes-Davila, Sanjaya Rajaram, Maarten van-Ginkel, Ricardo Rodríguez-Ramos, Osman Abdalla, Abdul Mujeeb-Kazi y Wolfgang Helmut Pfeiffer. Resultados de inoculaciones artificiales del 6° vivero de selección para resistencia a *Tilletia indica* Mitra *Revista Mexicana de Fitopatología* **12** 21-25
- 1994 FUJISAKA** Sam Fujisaka, Larry Harrington* and Peter Hobbs*. Rice-wheat in south Asia: systems and long-term priorities established through diagnostic research *Agricultural Systems* **46** 169-187 AGRIS 95-063620
With International Rice Research Institute IRRI, Manila PH
- 1994 FURINI** A Furini and D C Jewell. Somatic embryogenesis and plant regeneration from immature and mature embryos of tropical and subtropical *Zea mays* L. genotypes *Maydica* **39** 155-164 AGRIS 95-033459
- 1994 HE** He Zhong-hu and S Rajaram. Differential responses of bread wheat characters to high temperature *Euphytica* **72** 197-203 AGRIS 94-065053
- 1994 INAGAKI** Masanori Inagaki and Abdul Mujeeb-Kazi. Storage of maize pollen for use in haploid production of hexaploid wheat *Breeding Science* **44** 387-390 AGRIS 96-134151
- 1994 KAUR-1** Satvinder Kaur, G Fuentes and R A Fischer. Selective isolation of *Neovossia indica* from soil *Indian Phytopathology* **47** 94-95 AGRIS 95-036677
- 1994 KAUR-2** Satvinder Kaur. Effect of sonication on teliospores of *Tilletia indica* *Indian Phytopathology* **47** 138-142 AGRIS 95-066793
- 1994 LAFITTE** H R Lafitte and G O Edmeades. Improvement for tolerance to low soil nitrogen in tropical maize: I. Selection criteria; II. Grain yield, biomass production, and N accumulation; III. Variation in yield across environments *Field Crops Research* **39** 1-14; 15-25; 27-38 AGRIS 95-076564; 95-076565; 95-076566
- 1994 LEBLANC** Olivier Leblanc and Yves Savidan. Timing of megasporogenesis in *Tripsacum* species (Poaceae) as related to the control of apomixis and sexuality *Polish Botanical Studies* **8** 75-81

- 1994 MORGUNOV** Alexei Morgunov, Jorge Montoya and Sanjaya Rajaram. Genetic analysis of resistance to Karnal bunt (*Tilletia indica* (Mittra)) in bread wheat *Euphytica* **74** 41-46 AGRIS 94-096671
- 1994 PEÑA** R J Peña, J Zarco-Hernández, A Amaya-Celis and A Mujeeb-Kazi. Relationships between chromosome 1B-encoded glutenin subunit compositions and bread-making quality characteristics of some durum wheat (*Triticum turgidum*) cultivars *J. Cereal Science* **19** 243-249 AGRIS 95-131679
- 1994 PIXLEY** Kevin V Pixley and Magni S Bjarnason. Pollen-parent effects on protein quality and endosperm modification of quality protein maize *Crop Science* **34** 404-409 AGRIS 95-064004
- 1994 RENKOW** Mitch Renkow. Technology, production environment, and household income: assessing the regional impacts of technological change *Agricultural Economics* **10** 219-231 AGRIS 94-094183
- 1994 REYNOLDS-1** M P Reynolds, M Balota, M I B Delgado, I Amani and R A Fischer. Physiological and morphological traits associated with spring wheat yield under hot, irrigated conditions *Australian J. Plant Physiology* **21** 717-730 AGRIS 95-133087
- 1994 REYNOLDS-2** M P Reynolds, E Acevedo, K D Sayre and R A Fischer. Yield potential in modern wheat varieties: its association with a less competitive ideotype *Field Crops Research* **37** 149-160 AGRIS 95-076472
- 1994 REYNOLDS-3** M P Reynolds, K D Sayre and H E Vivar. Intercropping wheat and barley with N-fixing legume species: a method for improving ground cover, N-use efficiency and productivity in low input systems *J. Agricultural Science (Cambridge GB)* **123** 175-183 AGRIS 95-131086
- 1994 SINGH** Ravi P Singh and Sanjaya Rajaram. Genetics of adult plant resistance to stripe rust in ten spring bread wheats *Euphytica* **72** 1-7 AGRIS 94-096703
- 1994 SMALE-1** Melinda Smale and Paul W Heisey. Comment: gendered impacts of fertilizer subsidy removal programs in Malawi and Cameroon *Agricultural Economics* **10** 95-99 AGRIS 94-062105
- 1994 SMALE-2** Melinda Smale*, Richard E Just and Howard D Leathers. Land allocation in HYV adoption models: an investigation of alternative explanations *American J. Agricultural Economics* **76** 535-546 AGRIS 95-127870
With University of Maryland, College Park (Maryland) US
- 1994 SMALE-3** Melinda Smale and Paul W Heisey. Maize research in Malawi revisited: an emerging success story? *J. International Development* **6** 689-706 AGRIS 95-131457
- 1994 SOUZA** E Souza, P N Fox*, D Byerlee* and B Skovmand*. Spring wheat diversity in irrigated areas of two developing countries *Crop Science* **34** 774-783 AGRIS 95-076671
With University of Idaho, Aberdeen (Idaho) US
- 1994 THOME** Catherine R Thome, Margaret E Smith and John A Mihm*. Yield reduction in a maize diallel under infestation with southwestern corn borer *Crop Science* **34** 1431-1435 AGRIS 96-017458
With Cornell University, Ithaca (New York) US
- 1994 TRETOWAN** R M Trethowan, R J Pena and W H Pfeiffer. Evaluation of pre-harvest sprouting in triticale compared with wheat and rye using a line source rain gradient *Australian J. Agricultural Research* **45** 65-74 AGRIS 95-037061

- 1994 TURNER** L B Turner, C J Pollock and G O Edmeades*. Thermal kinetics of glutathione reductase and their relation to thermotolerance in diverse cultivars of maize *Annals of Botany* **74** 245-250 AGRIS 95-151530
With Institute of Grassland and Environmental Research, Aberystwyth (Wales) GB
- 1994 VASAL** S K Vasal, B S Dhillon, G Srinivasan, S D McLean, S H Zhang and F Gonzalez C. Breeding intersynthetic hybrids to exploit heterosis in maize *Maydica* **39** 183-186 AGRIS 95-033462
- 1994 VILLAREAL-1** R L Villareal, A Mujeeb-Kazi, S Rajaram and E Del Toro. Associated effects of chromosome 1B/1R translocation on agronomic traits in hexaploid wheat *Breeding Science* **44** 7-11 AGRIS 96-134146
- 1994 VILLAREAL-2** R L Villareal, A Mujeeb-Kazi, E Del Toro, J Crossa and S Rajaram. Agronomic variability in selected *Triticum turgidum* x *T. tauschii* synthetic hexaploid wheats *J. Agronomy and Crop Science* **173** 307-317 AGRIS 96-015883
- 1994 VILLAREAL-3** R L Villareal, A Mujeeb-Kazi, S Rajaram and E Del Toro. Morphological variability in some synthetic hexaploid wheats derived from *Triticum turgidum* x *T. tauschii* *J. Genetics & Breeding* **48** 7-16 AGRIS 95-012603
- 1994 VILLAREAL-4** R L Villareal, A Mujeeb-Kazi, G Fuentes-Davila, S Rajaram and E Del Toro. Resistance to Karnal bunt (*Tilletia indica* Mitra) in synthetic hexaploid wheats derived from *Triticum turgidum* x *T. tauschii* *Plant Breeding* **112** 63-69 AGRIS 95-077249
- 1994 WALL** P C Wall*, S M Neate, R D Graham, D J Reuter and A D Rovira. The effect of rhizoctonia root disease and applied nitrogen on growth, nitrogen uptake and nutrient concentrations in spring wheat *Plant and Soil* **163** 111-120 AGRIS 95-025300
With Commonwealth Scientific and Industrial Research Organization CSIRO and Waite Agricultural Research Institute, Glen Osmond (South Australia) AU
- 1994 WILLIAM** M D H M William*, L Gray, A L Rayburn and A Mujeeb-Kazi*. Development of DNA markers based on randomly amplified polymorphic sequences in a *Triticum aestivum* L. x *Thinopyrum bessarabicum* amphiploid *J. Genetics & Breeding* **48** 1-6 AGRIS 95-012767
With University of Illinois, Urbana (Illinois) US
- 1994 YAU** S K Yau and G Ortiz-Ferrara*. Regression and cluster analysis of elite wheat lines grown in rain-fed environments *J. Genetics & Breeding* **48** 183-190 AGRIS 95-012772
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
-
- 1995 AUTRIQUE** Enrique Autrique, Ravi P Singh*, Steven D Tanksley and Mark E Sorrells. Molecular markers for four leaf rust resistance genes introgressed into wheat from wild relatives *Genome* **38** 75-83 AGRIS 96-015608
With Cornell University, Ithaca (New York) US
- 1995 BÄNZIGER** M Bänziger, H R Lafitte and G O Edmeades. Intergenotypic competition during evaluation of maize progenies under limited and adequate N supply *Field Crops Research* **44** 25-31 AGRIS 96-052928
- 1995 BARRETO** H J Barreto and M A Bell. Assessing risk associated with N fertilizer recommendations in the absence of soil tests *Fertilizer Research* **40** 175-183 AGRIS 95-130153
- 1995 BELL-1** M A Bell, H R Lafitte, G O Edmeades and S C Chapman. Reversing yield declines of a sub-tropical vertisol *Communications in Soil Science and Plant Analysis* **26** 1105-1119 AGRIS 96-037317

- 1995 BELL-2** M A Bell, R A Fischer, D Byerlee and K Sayre. Genetic and agronomic contributions to yield gains: a case study for wheat *Field Crops Research* **44** 55-65 AGRIS 97-018333
- 1995 BELL-3** M A Bell and H van Keulen. Soil pedotransfer functions for four Mexican soils *Soil Science Soc. America J.* **59** 865-871 AGRIS 96-047436
- 1995 BOHOROVA-1** N E Bohorova, M van Ginkel, S Rajaram and D A Hoisington. Tissue culture response of CIMMYT elite bread wheat cultivars and evaluation of regenerated plants *Cereals Research Communications* **23** 243-249
- 1995 BOHOROVA-2** N E Bohorova, B Luna, R M Brito, L D Huerta and D A Hoisington. Regeneration potential of tropical, subtropical, midaltitude and highland maize inbreds *Maydica* **40** 275-281 AGRIS 96-151773
- 1995 BOLAÑOS** Jorge Bolaños. Physiological bases for yield differences in selected maize cultivars from Central America. *Field Crops Research* **42** 69-80 AGRIS 96-015444
- 1995 BRAGARD** C Bragard, V Verdier and H Maraite. Genetic diversity among *Xanthomonas campestris* strains pathogenic for small grains *Applied and Environmental Microbiology* **61** 1020-1026 AGRIS 95-155370
From Université Catholique de Louvain, Louvain-la-Neuve BE and ORSTOM, Montpellier FX
- 1995 BROERS** L H M Broers and R M Lopez-Atilano. Effect of interplot interference on the assessment of partial resistance to stem rust in durum wheat *Phytopathology* **85** 233-237 AGRIS 96-056549
With Agricultural University, Wageningen NL
- 1995 BUCKLES** Daniel Buckles. Velvetbean: a "new" plant with a history *Economic Botany* **49** 13-25 AGRIS 96-002324
- 1995 BYERLEE** Derek Byerlee and Greg Traxler. National and international wheat improvement research in the post-Green Revolution period: evolution and impacts *American J. Agricultural Economics* **77** 268-278 AGRIS 96-035210
- 1995 BYRNE** P F Byrne, J Bolaños, G O Edmeades and D L Eaton. Gains from selection under drought versus multilocation testing in related tropical maize populations *Crop Science* **35** 63-69 AGRIS 96-038859
- 1995 CROSSA-1** José Crossa*, Paul L Cornelius, Ken Sayre* and J Iván Ortiz-Monasterio R*. A shifted multiplicative model fusion method for grouping environments without cultivar rank change *Crop Science* **35** 54-62 AGRIS 96-038674
With University of Kentucky, Lexington (Kentucky) US
- 1995 CROSSA-2** José Crossa*, Kaye Basford, Suketoshi Taba*, Ian DeLacy and Edison Silva. Three-mode analyses of maize using morphological and agronomic attributes measured in multilocal trials *Crop Science* **35** 1483-1491 AGRIS 96-052899
With University of Queensland, Brisbane (Queensland) AU and Colegio de Postgraduados, Montecillo (México) MX
- 1995 DUVEILLER** E Duveiller* and H Maraite. Effect of temperature and air humidity on multiplication of *Xanthomonas campestris* pv. *undulosa* and symptom expression in susceptible and field-tolerant wheat genotypes *J. Phytopathology* **143** 227-232
With Université Catholique de Louvain, Louvain-la-Neuve BE

- 1995 EBERHART** S A Eberhart, W Salhuana, R Sevilla and S Taba*. Principles for tropical maize breeding *Maydica* **40** 339-355 AGRIS 96-153192
With National Seed Storage Laboratory (USDA), Fort Collins (Colorado) US; Pioneer Hi-Bred International, Inc., Miami (Florida) US; and Latin American Maize Program (LAMP), Lima PE
- 1995 FUENTES-DAVILA** G Fuentes-Davila, S Rajaram and G Singh. Inheritance of resistance to Karnal bunt (*Tilletia indica* Mitra) in bread wheat (*Triticum aestivum* L.) *Plant Breeding* **114** 250-252 AGRIS 97-018328
- 1995 FURINI** A Furini and C Jewell. Somatic embryogenesis and plant regeneration of maize/*Tripsacum* hybrids *Maydica* **40** 205-210 AGRIS 95-151546
- 1995 GLADWIN** Christina H Gladwin and Carrie M Thompson. Impacts of Mexico's trade openness on Mexican rural women *American J. Agricultural Economics* **77** 712-718 AGRIS 97-030146
From University of Florida, Gainesville (Florida) US
- 1995 GURNEY** Anita L Gurney, Malcolm C Press and Joel K Ransom*. The parasitic angiosperm *Striga hermonthica* can reduce photosynthesis of its sorghum and maize hosts in the field *J. Experimental Botany* **46** 1817-1823 AGRIS 96-138623
With University of Sheffield, Sheffield GB
- 1995 HARRINGTON** Larry Harrington. Sustainability in perspective: strengths and limitations of Farming Systems Research in contributing to a sustainable agriculture *J. Sustainable Agriculture* **5** 41-59 AGRIS 96-052422
- 1995 HOCK** J Hock, J Kranz and B L Renfro*. Studies on the epidemiology of the tar spot disease complex of maize in Mexico *Plant Pathology* **44** 490-502 AGRIS 96-109941
With Universität Giessen, Giessen DE
- 1995 INAGAKI-1** Masanori Inagaki and Natasha Bohorova. Factors affecting the frequencies of embryo formation and haploid plant regeneration in crosses of hexaploid wheat with pearl millet *Breeding Science* **45** 21-24 AGRIS 97-144360
- 1995 INAGAKI-2** Masanori Inagaki and Abdul Mujeeb-Kazi. Comparison of polyhaploid production frequencies in crosses of hexaploid wheat with maize, pearl millet and sorghum *Breeding Science* **45** 157-161 AGRIS 97-144362
- 1995 ISLAM-FARIDI** M N Islam-Faridi and A Mujeeb-Kazi. Visualization of *Secale cereale* DNA in wheat germ plasm by fluorescent in situ hybridization *Theoretical and Applied Genetics* **90** 595-600 AGRIS 97-090984
- 1995 KUMAR** H Kumar and J A Mihm. Antibiosis and tolerance to fall armyworm, *Spodoptera frugiperda* (J.E. Smith), southwestern corn borer, *Diatraea grandiosella* Dyar and sugarcane borer, *Diatraea saccharalis* Fabricius in selected maize hybrids and varieties *Maydica* **40** 245-251 AGRIS 96-156698
- 1995 LAFITTE-1** H R Lafitte and G O Edmeades. Stress tolerance in tropical maize is linked to constitutive changes in ear growth characteristics *Crop Science* **35** 820-826 AGRIS 97-092224
- 1995 LAFITTE-2** H R Lafitte and G O Edmeades. Association between traits in tropical maize inbred lines and their hybrids under high and low soil nitrogen *Maydica* **40** 259-267 AGRIS 96-153186
- 1995 LEBLANC-1** Olivier Leblanc*, Michael D Peel, John G Carman and Yves Savidan*. Megasporogenesis and megagametogenesis in several *Tripsacum* species (Poaceae) *American J. Botany* **82** 57-63 AGRIS 96-040368
With Utah State University, Logan (Utah) US

- 1995 LEBLANC-2** O Leblanc, M Dueñas*, M Hernández*, S Bello*, V García*, J Berthaud* and Y Savidan*. Chromosome doubling in *Tripsacum*: the production of artificial, sexual tetraploid plants *Plant Breeding* **114** 226-230 AGRIS 97-018282
With ORSTOM, Montpellier FX
- 1995 LEBLANC-3** O Leblanc, D Grimanelli, D González-de-León and Y Savidan. Detection of the apomictic mode of reproduction in maize-*Tripsacum* hybrids using maize RFLP markers *Theoretical and Applied Genetics* **90** 1198-1203
- 1995 MA-1** H Ma, R P Singh and A Mujeeb-Kazi. Resistance to stripe rust in *Triticum turgidum*, *T. tauschii* and their synthetic hexaploids *Euphytica* **82** 117-124 AGRIS 95-132342
- 1995 MA-2** H. Ma, R P Singh and A Mujeeb-Kazi. Suppression/expression of resistance to stripe rust in synthetic hexaploid wheat (*Triticum turgidum* x *T. tauschii*) *Euphytica* **83** 87-93 AGRIS 95-132343
- 1995 MOSAAD-1** Moussa G Mosaad, Guillermo Ortiz-Ferrara, Viswanathan Mahalakshmi and Ralph A Fischer*. Phyllochron response to vernalization and photoperiod in spring wheat *Crop Science* **35** 168-171 AGRIS 96-040685
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
- 1995 MOSAAD-2** M G Mosaad, G Ortiz Ferrara, V Mahalakshmi and S Rajaram*. Vernalization and photoperiod response of adapted wheats from Mediterranean region *J. Genetics & Breeding* **49** 229-236 AGRIS 96-155881
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
- 1995 MUJEEB-KAZI-1** A Mujeeb-Kazi and R Asiedu. The potential of wide hybridization in wheat improvement *Annals of Biology (Hisar IN)* **11** 1-15
- 1995 MUJEEB-KAZI-2** A Mujeeb-Kazi, A Cortes and O Riera-Lizerazu. The cytogenetics of a *Triticum turgidum* x *Psathyrostachys juncea* hybrid and its backcross derivatives *Theoretical and Applied Genetics* **90** 430-437 AGRIS 97-091158
- 1995 NELSON-1** James C Nelson, Allen E van Deynze, Enrique Autrique*, Mark E Sorrells, Yun Hai Lu, Marielle Merlino, Mark Atkinson and Philippe Leroy. Molecular mapping of wheat. Homoeologous group 2 *Genome* **38** 516-524 AGRIS 96-015612
With Cornell University, Ithaca (New York) US and Institut national de recherches agronomiques INRA, Clermont-Ferrand FX
- 1995 NELSON-2** James C Nelson, Allen E van Deynze, Enrique Autrique*, Mark E Sorrells, Yun Hai Lu, Sylvie Negre, Michel Bernard and Philippe Leroy. Molecular mapping of wheat. Homoeologous group 3 *Genome* **38** 525-533 AGRIS 96-015613
With Cornell University, Ithaca (New York) US and Institut national de recherches agronomiques INRA, Clermont-Ferrand FX
- 1995 OLMEDO-ARCEGA** O B Olmedo-Arcega, E M Elias and R G Cantrell. Recurrent selection for grain yield in durum wheat *Crop Science* **35** 714-719 AGRIS 97-089975
From North Dakota State University, Fargo (North Dakota) US
- 1995 ORTIZ-FERRARA** G Ortiz-Ferrara, M G Mosaad, V Mahalakshmi and R A Fischer*. Photoperiod and vernalization response of wheat under controlled environment and field conditions *Plant Breeding* **114** 505-509
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
- 1995 PEÑA** R J Peña, J Zarco-Hernandez and A Mujeeb-Kazi. Glutenin subunit compositions and bread-making quality characteristics of synthetic hexaploid wheats derived from *Triticum turgidum* x *Triticum tauschii* (coss.) Schmal crosses *J. Cereal Science* **21** 15-23 AGRIS 96-053045

- 1995 RAGOT** M Ragot, P H Sisco, D A Hoisington* and C W Stuber. Molecular-marker-mediated characterization of favorable exotic alleles at quantitative trait loci in maize *Crop Science* **35** 1306-1315 AGRIS 96-052902
With North Carolina State University, Raleigh (North Carolina) US
- 1995 RAUN** William R Raun and Hector J Barreto. Regional maize grain yield response to applied phosphorus in Central America *Agronomy J.* **87** 208-213 AGRIS 97-102745
- 1995 SAYRE** K D Sayre, E Acevedo and R B Austin. Carbon isotope discrimination and grain yield for three bread wheat germplasm groups grown at different levels of water stress *Field Crops Research* **41** 45-54 AGRIS 95-131721
- 1995 SINGH-G-1** Gurdev Singh, S Rajaram, J Montoya and G Fuentes-Davila. Genetic analysis of resistance to Karnal bunt (*Tilletia indica*, Mitra) in bread wheat *Euphytica* **81** 117-120 AGRIS 95-076728
- 1995 SINGH-G-2** G Singh, S Rajaram, J Montoya and G Fuentes-Davila. Genetic analysis of Karnal bunt resistance in 14 Mexican bread-wheat genotypes *Plant Breeding* **114** 439-441
- 1995 SINGH-RP** Ravi P Singh, Hong Ma and Sanjaya Rajaram. Genetic analysis of resistance to scab in spring wheat cultivar Frontana *Plant Disease* **79** 238-240 AGRIS 96-002705
- 1995 SMALE-1** Melinda Smale*, Paul W Heisey* and Howard D Leathers. Maize of the ancestors and modern varieties: the microeconomics of high-yielding variety adoption in Malawi *Economic Development and Cultural Change* **43** 351-368 AGRIS 96-000759
With University of Maryland, College Park (Maryland) US
- 1995 SMALE-2** Melinda Smale. "Maize is Life": Malawi's delayed green revolution *World Development* **23** 819-831 AGRIS 96-084807
- 1995 TRAXLER** Greg Traxler, Jose Falck-Zepeda, J I Ortiz-Monasterio R* and Ken Sayre*. Production risk and the evolution of varietal technology *American J. Agricultural Economics* **77** 1-7 AGRIS 96-013549
With Auburn University, Auburn (Alabama) US
- 1995 VASAL-1** S K Vasal, B S Dhillon, G Srinivasan, S D McLean, J Crossa and S H Zhang. Effect of S3 recurrent selection in four tropical maize populations on their selfed and randomly mated generations *Crop Science* **35** 697-702 AGRIS 97-089050
- 1995 VASAL-2** S K Vasal, B S Dhillon, G Srinivasan, S D McLean, J Crossa and S H Zhang. Improvement in selfed and random-mated generations of four subtropical maize populations through S3 recurrent selection *Euphytica* **83** 1-8 AGRIS 95-131493
- 1995 VASAL-3** S K Vasal, B S Dhillon, G Srinivasan, S H Zhang and S D McLean. Recurrent selection for inbreeding-stress tolerance in four intermediate-maturity maize populations *Maydica* **40** 159-164 AGRIS 95-151540
- 1995 VASAL-4** Surinder Kumar Vasal, Ganesan Srinivasan, Narciso Vergara Avila y Fernando González Cenicerós. Heterosis y aptitud combinatoria en germoplasma de maíz de valles altos *Revista Fitotecnia Mexicana* **18** 123-139
- 1995 VILLAREAL-1** R L Villareal, G Fuentes-Davila and A Mujeeb-Kazi. Synthetic hexaploids x *Triticum aestivum* advanced derivatives resistant to Karnal bunt (*Tilletia indica* Mitra) *Cereal Research Communications* **23** 127-132

- 1995 VILLAREAL-2** R L Villareal, E del Toro, A Mujeeb-Kazi and S Rajaram. The 1BL/1RS chromosome translocation effect on yield characteristics in a *Triticum aestivum* L. cross *Plant Breeding* **114** 497-500
- 1995 VILLAREAL-3** R L Villareal, G Fuentes-Davila, A Mujeeb-Kazi and S Rajaram. Inheritance of resistance to *Tilletia indica* (Mitra) in synthetic hexaploid wheat x *Triticum aestivum* crosses *Plant Breeding* **114** 547-548
- 1995 VILLAREAL-4** Reynaldo L Villareal, Abdul Mujeeb-Kazi, Lucy I Gilchrist and Efren Del Toro. Yield loss to spot blotch in spring bread wheat in warm nontraditional wheat production areas *Plant Disease* **79** 893-897 AGRIS 96-056532
- 1995 WANG** Shi-Ying Wang, Richard W Ward, Joe T Ritchie, Ralph Anthony Fischer* and Urs Schulthess. Vernalization in wheat: I. A model based on the interchangeability of plant age and vernalization duration; II. Genetic variability for the interchangeability of plant age and vernalization duration *Field Crops Research* **41** 91-100; **44** 67-72 AGRIS 95-133911 and 97-018334
With Michigan State University, East Lansing (Michigan) US
- 1995 WILLIAM** M D H M William and A Mujeeb-Kazi. Biochemical and molecular diagnostics of *Thinopyrum bessarabicum* chromosomes in *Triticum aestivum* germ plasm *Theoretical and Applied Genetics* **90** 952-956
- 1995 WOOLSTON** John E Woolston. Citations to journal articles as "delayed indicators" of the impact of international agricultural research *IAALD Quarterly Bull.* **40** 5-9 AGRIS 95-085184
-
- 1996 ABDALLA** Osman S Abdalla*, José Crossa*, Enrique Autrique* and Ian H DeLacy. Relationships among international testing sites of spring durum wheat *Crop Science* **36** 33-40 AGRIS 96-134468
With University of Queensland, Brisbane (Queensland) AU
- 1996 AMANI** I Amani, R A Fischer and M P Reynolds. Canopy temperature depression association with yield of irrigated spring wheat cultivars in a hot climate *J. Agronomy and Crop Science* **176** 119-129 AGRIS 97-059735
- 1996 AUTRIQUE** Enrique Autrique, Miloudi M Nachit, Philippe Monneveux, Steven D Tanksley and Mark E Sorrells. Genetic diversity in durum wheat based on RFLPs, morphophysiological traits and coefficient of parentage *Crop Science* **36** 735-742 AGRIS 97-032211
From Cornell University, Ithaca (New York) US; International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY; and École Nationale Supérieure Agronomique, Montpellier FX
- 1996 BELL** M A Bell and H van Keulen. Effect of soil disturbance on pedotransfer function development for field capacity *Soil Technology* **8** 321-329
- 1996 BOHN** M Bohn, M M Khairallah*, D González-de-León*, D A Hoisington*, H F Utz, J A Deutsch, D C Jewell*, J A Mihm and A E Melchinger. QTL mapping in tropical maize: I. Genomic regions affecting leaf feeding resistance to sugarcane borer and other traits *Crop Science* **36** 1352-1361 AGRIS 97-091411 For Parts II and III, see **1997 BOHN** and **1998 GROH**
With Universität of Hohenheim, Stuttgart DE
- 1996 BOLAÑOS** J Bolaños and G O Edmeades. The importance of the anthesis-silking interval in breeding for drought tolerance in tropical maize *Field Crops Research* **48** 65-80 AGRIS 97-116968

- 1996 BONDE** M R Bonde, G L Peterson, G Fuentes-Davila*, S S Aujla, G S Nanda and J G Phillips. Comparison of the virulence of isolates of *Tilletia indica*, causal agent of Karnal bunt of wheat, from India, Pakistan, and Mexico *Plant Disease* **80** 1071-1074 AGRIS 97-034645
With US Department of Agriculture, Frederick (Maryland) and Philadelphia (Pennsylvania) US and Punjab Agricultural University, Ludhiana (Punjab) IN
- 1996 BROERS** L H M Broers and R M López-Atilano. Effect of quantitative resistance in wheat on the development of *Puccinia striiformis* during early stages of infection *Plant Disease* **80** 1265-1268 AGRIS 2000-029091
- 1996 BYERLEE** Derek Byerlee and Paul W Heisey. Past and potential impacts of maize research in sub-Saharan Africa: a critical assessment *Food Policy* **21** 255-277 AGRIS 97-014720
- 1996 CÓRDOVA** H S Córdoba, H J Barreto and J Crossa. Maize hybrid development in Central America: reliability of yield gains against a regional check *Maydica* **41** 349-353 AGRIS 1998-048988
- 1996 DUBIN** H J Dubin and S Rajaram. Breeding disease-resistant wheats for tropical highlands and lowlands *Annual Review of Phytopathology* **34** 503-526 AGRIS 97-063121
- 1996 ERENSTEIN** Olaf Erenstein. El potencial de la labranza de conservación en los sistemas de producción de maíz en México *Políticas Agrícolas* **2** (2) 37-59
- 1996 FENNELL** S Fennell, N Bohorova, M van Ginkel, J Crossa and D Hoisington. Plant regeneration from immature embryos of 48 elite CIMMYT bread wheats *Theoretical and Applied Genetics* **92** 163-169 AGRIS 97-091109
- 1996 FUENTES-DAVILA** G Fuentes-Davila, S Rajaram, M Van-Ginkel, R Rodriguez-Ramos, O Abdalla and A Mujeeb-Kazi. Artificial screening for resistance to *Tilletia indica* *Cereal Research Communications* **24** 469-475 AGRIS 1998-001863
- 1996 GRONDONA** M O Grondona, J Crossa, P N Fox and W H Pfeiffer. Analysis of variety yield trials using two-dimensional separable ARIMA processes *Biometrics* **52** 763-770
- 1996 GUEI** R G Guei and C E Wassom. Genetic analysis of tassel size and leaf senescence and their relationships with yield in two tropical lowland maize populations *African Crop Science J.* **4** 275-281
From Kansas State University, Manhattan (Kansas) US
- 1996 IMMONEN** A S T Immonen. Influence of media and growth regulators on somatic embryogenesis and plant regeneration for production of primary triticales *Plant Cell, Tissue and Organ Culture* **44** 45-52 AGRIS 97-016871
- 1996 KEMA-1** Gert H J Kema, Juan G Annone, Rachid Sayoud, Cor H van Silfhout, Maarten van Ginkel* and Joop de Bree. Genetic variation for virulence and resistance in the wheat-*Mycosphaerella graminicola* pathosystem: I. Inter-actions between pathogen isolates and host cultivars *Phytopathology* **86** 200-212 AGRIS 97-106086
With Research Institute for Plant Protection and Agricultural Mathematics Group, Wageningen NL; Instituto Nacional de Tecnología Agropecuaria, Pergamino (Buenos Aires) AR; and Institut Technique des Grandes Cultures, Guelma DZ
- 1996 KEMA-2** Gert H J Kema, Rachid Sayoud, Juan G Annone and Cor H van Silfhout. Genetic variation for virulence and resistance in the wheat-*Mycosphaerella graminicola* patho-system: II. Analysis of interactions between pathogen isolates and host cultivars *Phytopathology* **86** 213-220 AGRIS 97-106087
From Research Institute for Plant Protection, Wageningen NL; Institut Technique des Grandes Cultures, Guelma DZ; and Instituto Nacional de Tecnología Agropecuaria, Pergamino (Buenos Aires) AR

- 1996 KUMAR-1** Harish Kumar and John A Mihm. Resistance in maize hybrids and inbreds to first-generation southwestern corn borer, *Diatraea grandiosella* (Dyar) and sugarcane borer, *Diatraea saccharalis* Fabricius ***Crop Protection* 15** 311-317 AGRIS 97-004896
- 1996 KUMAR-2** H Kumar and J A Mihm. Damage by fall armyworm, *Spodoptera frugiperda* (J. E. Smith), southwestern corn borer *Diatraea grandiosella* Dyar and sugarcane borer *Diatraea saccharalis* Fabricius on maize in relation to seed treatment with selected insecticides in the fields ***Maydica* 41** 235-239 AGRIS 1998-050309
- 1996 LEBLANC** O Leblanc, D Grimanelli, N Islam-Faridi, J Berthaud and Y Savidan. Reproductive behavior in maize-*Tripsacum* polyhaploid plants: implication for the transfer of apomixis into maize ***J. Heredity* 87** 108-111 AGRIS 97-002979
- 1996 MA-1** Hong Ma and Ravi P Singh. Contribution of adult plant resistance gene *Yr18* in protecting wheat from yellow rust ***Plant Disease* 80** 66-69 AGRIS 96-097105
- 1996 MA-2** Hong Ma and Ravi P Singh. Expression of adult resistance to stripe rust at different growth stages of wheat ***Plant Disease* 80** 375-379 AGRIS 97-005855
- 1996 MAREDA** Mywish K Maredia, Richard Ward and Derek Byerlee. Econometric estimation of a global spillover matrix for wheat varietal technology ***Agricultural Economics* 14** 159-173 AGRIS 97-015330
From Michigan State University, East Lansing (Michigan) US and World Bank, Washington (DC) US
- 1996 MILUS** E A Milus, E Duveiller*, T L Kirkpatrick and D B Chalkley. Relationship between disease reactions under controlled conditions and severity of wheat bacterial streak in the field ***Plant Disease* 80** 726-730 AGRIS 97-035003
With University of Arkansas, Fayetteville and North Hope (Arkansas) US
- 1996 MUJEEB-KAZI-1** A Mujeeb-Kazi. Apomixis in trigeneric hybrids of *Triticum aestivum*/*Leymus racemosus*/*Thinopyrum elongatum* ***Cytologia* 61** 15-18
- 1996 MUJEEB-KAZI-2** A Mujeeb-Kazi*, L A Sitch* and G Fedak. The range of chromosomal variations in intergeneric hybrids involving some Triticeae ***Cytologia* 61** 125-140
With Agriculture Canada, Ottawa (Ontario) CA
- 1996 MUJEEB-KAZI-3** A Mujeeb-Kazi. Cytogenetics of hybrids of *Thinopyrum elongatum* ($2n=2x=14$, or $2n=4x=28$) with *Hordeum vulgare*, *Secale cereale* and *Triticum turgidum* ***Cytologia* 61** 141-146
- 1996 MUJEEB-KAZI-4** A Mujeeb-Kazi, M D H M William and M N Islam-Faridi. Homozygous 1B and 1BL/1RS chromosome substitutions in *Triticum aestivum* and *T. turgidum* cultivars ***Cytologia* 61** 147-154
- 1996 MUJEEB-KAZI-5** Abdul Mujeeb-Kazi, M N Islam-Faridi and Alejandro Cortés. Genome identification in some wheat and alien Triticeae species intergeneric hybrids by fluorescent *in situ* hybridization ***Cytologia* 61** 307-315
- 1996 MUJEEB-KAZI-6** A Mujeeb-Kazi, V Rosas and S Roldan. Conservation of the genetic variation of *Triticum tauschii* (Coss.) Schmalh. (*Aegilops squarrosa* auct. non L.) in synthetic hexaploid wheats (*T. turgidum* L. s.lat. x *T. tauschii*; $2n = 6x = 42$, AABBDD) and its potential utilization for wheat improvement ***Genetic Resources and Crop Evolution* 43** 129-134

- 1996 PENROSE-1** L D J Penrose, M Mosaad, T S Payne*, G Ortiz-Ferrara and H J Braun*. Comparison of controls on development in breeding lines from Australian and CIMMYT/ICARDA winter and facultative wheat breeding programs *Australian J. Agricultural Research* **47** 1-15
With Agricultural Research Institute, Wagga Wagga (New South Wales) AU and International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
- 1996 PENROSE-2** L D J Penrose and T S Payne. Control of early development in winter and facultative wheats in contrasting field environments *Australian J. Agricultural Research* **47** 739-755
From Agricultural Research Institute, Wagga Wagga (New South Wales) AU and International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY
- 1996 PENROSE-3** L D J Penrose, T S Payne, M G Mosaad, G Ortiz-Ferrara and A Shehadeh. Factors influencing the development of bread wheat plant types to be grown in the 'transitional zone' of northern Syria *Euphytica* **91** 153-162 AGRIS 97-116855
From Agricultural Research Institute, Wagga Wagga (New South Wales) AU; International Center for Agricultural in the Dry Areas ICARDA, Aleppo and Agricultural Research Directorate, Douma, Damascus SY
- 1996 REJESUS** R M Rejesus, M Smale and M van Ginkel. Wheat breeders' perspectives on genetic diversity and germplasm use: findings from an international survey *Plant Varieties and Seeds* **9** 129-147 AGRIS 97-061137
- 1996 RIBAUT** J-M Ribaut, D A Hoisington, J A Deutsch, C Jiang and D Gonzalez-de-Leon. Identification of quantitative trait loci under drought conditions in tropical maize: 1. Flowering parameters and the anthesis-silking interval *Theoretical and Applied Genetics* **92** 905-914 AGRIS 97-091378 For Part 2, see **1997 RIBAUT-2**
- 1996 RINCON** F Rincon, B Johnson, J Crossa* and S Taba*. Cluster analysis, an approach to sampling variability in maize accessions *Maydica* **41** 307-316 AGRIS 1998-048986
With University of Nebraska, Lincoln (Nebraska) US
- 1996 TRETOWAN** R M Trethowan, S Rajaram* and F W Ellison. Pre-harvest sprouting tolerance of wheat in the field and under rain simulation *Australian J. Agricultural Research* **47** 705-716
With University of Sydney, Narrabri (New South Wales) AU
- 1996 VAN GINKEL** Maarten van Ginkel, Wybe van der Schaar, Yang Zhuping and Sanjaya Rajaram. Inheritance of resistance to scab in two wheat cultivars from Brazil and China *Plant Disease* **80** 863-867 AGRIS 97-034522
- 1996 VILLAREAL-1** R L Villareal, E del Toro, S Rajaram and A Mujeeb-Kazi. The effect of chromosome 1AL/1RS trans-location on agronomic performance of 85 F₂-derived F₆ lines from three *Triticum aestivum* L. crosses *Euphytica* **89** 363-369 AGRIS 97-018338
- 1996 VILLAREAL-2** R L Villareal, A Mujeeb-Kazi and S Rajaram. Inheritance of threshability in synthetic hexaploid (*Triticum turgidum* x *T. tauschii*) by *T. aestivum* crosses *Plant Breeding* **115** 407-409 AGRIS 97-116812
- 1996 WILLIAM** M D H M William and A Mujeeb-Kazi. Development of genetic stocks and biochemical markers to facilitate utilization of *Aegilops variabilis* in wheat improvement *Cytologia* **61** 7-13
-
- 1997 ABDALLA** Osman S Abdalla*, José Crossa* and Paul L Cornelius. Results and biological interpretation of shifted multiplicative model clustering of durum wheat cultivars and test site *Crop Science* **37** 88-97 AGRIS 97-159197
With University of Kentucky, Lexington (Kentucky) US

- 1997 BÄNZIGER-1** M Bänziger, F J Betrán and H R Lafitte. Efficiency of high-nitrogen selection environments for improving maize for low-nitrogen target environments *Crop Science* **37** 1103-1109 AGRIS 1998-103213
- 1997 BÄNZIGER-2** M Bänziger and H R Lafitte. Efficiency of secondary traits for improving maize for low-nitrogen target environments *Crop Science* **37** 1110-1117 AGRIS 1998-103214
- 1997 BERGVINSON** David Bergvinson, Martha Willcox and David Hoisington. Efficacy and deployment of transgenic plants for stemborer management *Insect Science and its Applications* **17** 157-167
- 1997 BOHN** M Bohn, M M Khairallah*, C Jiang*, D González-de-León*, D A Hoisington*, H F Utz, J A Deutsch, D C Jewell*, J A Mihm and A E Melchinger. QTL mapping in tropical maize: II. Comparison of genomic regions for resistance to *Diatraea* spp. *Crop Science* **37** 1892-1902 AGRIS 1998-018725 For Parts I and III, see **1996 BOHN** and **1998 GROH**
With Universität Hohenheim, Stuttgart DE
- 1997 BROERS** L H M Broers. Components of quantitative resistance to yellow rust in ten spring bread wheat cultivars and their relations with field assessments *Euphytica* **96** 215-223 AGRIS 1998-103538
- 1997 CHAPMAN-1** Scott C Chapman and Hector J Barreto. Using a chlorophyll meter to estimate specific leaf nitrogen of tropical maize during vegetative growth *Agronomy J.* **89** 557-562 AGRIS 1998-019829
- 1997 CHAPMAN-2** Scott C Chapman, José Crossa and Gregory O Edmeades. Genotype by environment effects and selection for drought tolerance in tropical maize: I. Two mode pattern analysis of yield *Euphytica* **95** 1-9 AGRIS 1998-019161
- 1997 CHAPMAN-3** Scott C Chapman*, José Crossa*, Kaye E Basford and Pieter M Kroonenberg. Genotype by environment effects and selection for drought tolerance in tropical maize: II. Three-mode pattern analysis *Euphytica* **95** 11-20 AGRIS 1998-019162
With University of Queensland, Brisbane (Queensland) AU and Leiden University, Leiden NL
- 1997 CROSSA** José Crossa* and Paul L Cornelius. Sites regression and shifted multiplicative model clustering of cultivar trial sites under heterogeneity of error variances *Crop Science* **37** 406-415 AGRIS 1998-001904
With University of Kentucky, Lexington (Kentucky) US
- 1997 ELINGS** A Elings, J W White and G O Edmeades. Options for breeding for greater maize yields in the tropics *European J. Agronomy* **7** 119-132
- 1997 GARCÍA** Fernando García Pérez. DB/Textworks: una alternativa para crear un sistema automatizado de biblioteca *Revista AIBDA* **18** (1) 67-78
- 1997 GRIMANELLI** Daniel Grimanelli, Martha Hernández, Enrico Perotti and Yves Savidan. Dosage effects in the endosperm of diplosporous apomictic *Tripsacum* (Poaceae) *Sexual Plant Reproduction* **10** 279-282
- 1997 FURMAN** Bonnie J Furman, Calvin O Qualset, Bent Skovmand*, John H Heaton, Harold Corke and Darrell M Wesenburg. Characterization and analysis of North American triticale genetic resources *Crop Science* **37** 1951-1959 AGRIS 1998-018674
With University of California, Davis (California) US and several other institutions

- 1997 HEISEY** Paul W Heisey*, Melinda Smale*, Derek Byerlee* and Edward Souza. Wheat rusts and the costs of genetic diversity in the Punjab of Pakistan *American J. Agricultural Economics* **79** 726-737 AGRIS 1998-111314
With University of Idaho, Moscow (Idaho) US
- 1997 INAGAKI-1** M N Inagaki*, I Nagamine and A Mujeeb-Kazi*. Use of pollen storage and detached-tiller culture in wheat polyploid production through wide crosses *Cereal Research Communications* **25** 7-13 AGRIS 1998-001864
With Japan International Research Center for Agricultural Sciences JIRCAS, Tsukuba (Ibaraki) JP
- 1997 INAGAKI-2** M N Inagaki*, W H Pfeiffer*, M Mergoum*, A Mujeeb-Kazi* and A J Lukaszewski. Effects of D-genome chromosomes on crossability of hexaploid triticale (X *Triticosecale* Wittmack) with maize *Plant Breeding* **116** 387-389
With Japan International Research Center for Agricultural Sciences JIRCAS, Tsukuba (Ibaraki) JP and University of California, Riverside (California) US
- 1997 JIANG** Changjian Jiang and Zhao-Bang Zeng. Mapping quantitative trait loci with dominant and missing markers in various crosses from two inbred lines *Genetica* **101** 47-58
With North Carolina State University, Raleigh (North Carolina) US
- 1997 KUMAR** H Kumar and J A Mihm. Assessing damage by second-generation southwestern corn borer, *Diatraea grandiosella* (Dyar) and sugarcane borer, *Diatraea saccharalis* Fabricius and development of sources of resistance in maize *Maydica* **42** 59-71 AGRIS 1998-050310
- 1997 LAFITTE-1** H R Lafitte, G O Edmeades and S Taba. Adaptive strategies identified among tropical maize landraces for nitrogen-limited environments *Field Crops Research* **49** 187-204 AGRIS 1998-103611
- 1997 LAFITTE-2** H R Lafitte, G O Edmeades and E C Johnson. Temperature responses of tropical maize cultivars selected for broad adaptation *Field Crops Research* **49** 215-229 AGRIS 1998-103612
- 1997 LAFITTE-3** H R Lafitte and G O Edmeades. Temperature effects on radiation use and biomass partitioning in diverse tropical maize cultivars *Field Crops Research* **49** 231-247 AGRIS 1998-104533
- 1997 MA-1** H Ma, R P Singh and A Mujeeb-Kazi. Resistance to stripe rust in durum wheats, A-genome diploids, and their amphiploids *Euphytica* **94** 279-286 AGRIS 1998-071007
- 1997 MA-2** Hong Ma, Ravi P Singh and Osman Abdalla. Resistance to stripe rust in five durum wheat cultivars *Plant Disease* **81** 27-30 AGRIS 97-078299
- 1997 MWANGI** Wilfred M Mwangi. Low use of fertilizers and low productivity in sub-Saharan Africa *Nutrient Cycling in Agroecosystems* **47** 135-147 AGRIS 1998-070164
- 1997 NELSON** J C Nelson, R P Singh*, J E Autrique* and M E Sorrells. Mapping genes conferring or suppressing leaf rust resistance in wheat *Crop Science* **37** 1928-1935 AGRIS 1998-021328
With Cornell University, Ithaca (New York) US
- 1997 ORTIZ-MONASTERIO-1** J I Ortiz-Monasterio, R J Peña, K D Sayre and S Rajaram. CIMMYT's genetic progress in wheat grain quality under four nitrogen rates *Crop Science* **37** 892-898 AGRIS 1998-103562
- 1997 ORTIZ-MONASTERIO-2** J I Ortiz-Monasterio, K D Sayre, S Rajaram and M McMahon. Genetic progress in wheat yield and nitrogen use efficiency under four nitrogen rates *Crop Science* **37** 898-904 AGRIS 1998-102527

- 1997 RIBAUT-1** Jean-Marcel Ribaut, Xueyi Hu, David Hoisington and Diego González-de-León. Use of STSs and SSRs as rapid and reliable preselection tools in a marker-assisted selection backcross scheme *Plant Molecular Biology Reporter* **15** 156-164
- 1997 RIBAUT-2** J-M Ribaut, C Jiang, D Gonzalez-de-Leon, G O Edmeades and D A Hoisington. Identification of quantitative trait loci under drought conditions in tropical maize: 2. Yield components and marker-assisted selection strategies *Theoretical and Applied Genetics* **94** 887-896
For Part 1/, see **1996 RIBAUT**
- 1997 RINCON** Froylan Rincon, Blaine Johnson, José Crossa* and Sukethosi Taba*. Identifying subsets of maize accessions by three-mode principal component analysis *Crop Science* **37** 1936-1943 AGRIS 1998-019155
With University of Nebraska, Lincoln (Nebraska) US
- 1997 SAYRE** K D Sayre, S Rajaram and R A Fischer. Yield potential progress in short bread wheats in northwest Mexico *Crop Science* **37** 36-42 AGRIS 97-158834
- 1997 SMALE** Melinda Smale. The Green Revolution and wheat genetic diversity: some unfounded assumptions *World Development* **25** 1257-1269 AGRIS 1998-007219
- 1997 VAN BEUNINGEN** L T van Beuningen and R H Busch. Genetic diversity among North American spring wheat cultivars: I. Analysis of the coefficient of parentage matrix; II. Ancestor contributions to gene pools of different eras and regions *Crop Science* **37** 570-579; 580-585 AGRIS 1998-001845 and 1998-001846
From University of Minnesota, St. Paul (Minnesota) US
- 1997 VASAL** S K Vasal, B S Dhillon and S Pandey. Recurrent selection methods based on evaluation-cum-recombination block *Plant Breeding Reviews* **14** 139-161 AGRIS 97-130680
- 1997 VILLAREAL** R L Villareal, O Bañuelos and A Mujeeb-Kazi. Agronomic performance of related durum wheat (*Triticum turgidum* L.) stocks possessing the chromosome substitution T1BL.1RS *Crop Science* **37** 1735-1740 AGRIS 1998-018915
- 1997 WILLIAM** H M William, D Hoisington, R P Singh and D González-de-León. Detection of quantitative trait loci associated with leaf rust resistance in bread wheat *Genome* **40** 253-260
-
- 1998 BARRETT** B A Barrett, K K Kidwell and P N Fox*. Comparison of AFLP and pedigree-based genetic diversity assessment methods using wheat cultivars from the Pacific Northwest *Crop Science* **38** 1271-1278 AGRIS 1999-040251
With Washington State University, Pullman (Washington) US
- 1998 BIRCH** C J Birch, J Vos, J Kiniry, H J Bos, A Elings*. Phyllochron responds to acclimation to temperature and irradiance in maize *Field Crops Research* **59** 187-200 AGRIS 1999-030822
With University of Queensland, Gatton (Queensland) AU; Wageningen Agricultural University, Wageningen NL; and United States Department of Agriculture, Temple (Texas) US
- 1998 BRENNAN** John P Brennan and Paul N Fox*. Impact of CIMMYT varieties on the genetic diversity of wheat in Australia, 1973-1993 *Australian J. Agricultural Research* **49** 175-178
With Wagga Wagga Agricultural Institute, Wagga Wagga (New South Wales) AU
- 1998 CASTELLANOS** J S Castellanos, A R Hallauer and H S Cordova*. Relative performance of testers to identify elite lines of corn (*Zea mays* L.) *Maydica* **43** 217-226 AGRIS 2000-016834
With Iowa State University, Ames (Iowa) US

- 1998 CEBALLOS** H Ceballos, S Pandey, L Narro, J C Perez-Velazquez. Additive, dominant, and epistatic effects for maize grain yield in acid and non-acid soils *Theoretical and Applied Genetics* **96** 662-668
- 1998 FISCHER** R A Fischer, D Rees, K D Sayre, Z-M Lu, A G Condon and A Larque Saavedra. Wheat yield progress associated with higher stomatal conductance and photosynthetic rate, and cooler canopies *Crop Science* **38** 1467-1475 AGRIS 1999-051481
- 1998 GE** Yong-Fu Ge, Jerry W Johnson, John J Roberts and S Rajaram*. Temperature and resistance gene interactions in the expression of resistance to *Blumeria graminis* f. sp. *tritici* *Euphytica* **99** 103-109 AGRIS 1998-081840
With University of Georgia, Griffin (Georgia) US
- 1998 GRIMANELLI-1** Daniel Grimanelli, Oliver Leblanc, Elsa Espinosa, Enrico Perotti, Diego González de León and Yves Savidan. Mapping diplosporous apomixis in tetraploid *Tripsacum*: one gene or several genes? *Heredity* **80** 33-39 AGRIS 1998-059236
- 1998 GRIMANELLI-2** Daniel Grimanelli, Oliver Leblanc, Elsa Espinosa, Enrico Perotti, Diego González de León and Yves Savidan. Non-Mendelian transmission of apomixis in maize-*Tripsacum* hybrids caused by a transmission ratio distortion *Heredity* **80** 40-47 AGRIS 1998-059105
- 1998 GROH-1** S Groh, D González-de-León, M M Khairallah*, C Jiang*, D Bergvinson*, M Bohn, D A Hoisington* and A E Melchinger. QTL mapping in tropical maize: III. Genomic regions for resistance to *Diatraea* spp. and associated traits in two RIL populations *Crop Science* **38** 1062-1072 AGRIS 1999-051984 For Parts I and II, see **1996 BOHN** and **1997 BOHN**
With Universität Hohenheim, Stuttgart DE
- 1998 GROH-2** S Groh, M M Khairallah*, D González-de-León, M Willcox*, C Jiang*, D A Hoisington* and A E Melchinger. Comparison of QTLs mapped in RILs and their test-cross progenies of tropical maize for insect resistance and agronomic traits *Plant Breeding* **117** 193-202
With Universität Hohenheim, Stuttgart DE
- 1998 HOLLAND** J B Holland, D V Uhr, D Jeffers* and M M Goodman. Inheritance of resistance to southern corn rust in tropical-by-corn-belt maize germplasm *Theoretical and Applied Genetics* **96** 232-241
With North Carolina State University, Raleigh (North Carolina) US
- 1998 INAGAKI-1** M N Inagaki, W H Pfeiffer, M Mergoum and A Mujeeb-Kazi. Variation of the crossability of durum wheat with maize *Euphytica* **104** 17-23 AGRIS 1999-019852
- 1998 INAGAKI-2** M N Inagaki* and C T Hash. Production of haploids in bread wheat, durum wheat and hexaploid triticale crossed with pearl millet *Plant Breeding* **117** 485-487
With International Crops Research Institute for the Semi-Arid Tropics ICRISAT, Patancheru (Andhra Pradesh IN and Japan International Research Center for Agricultural Sciences JIRCAS, Tsukuba (Ibaraki) JP
- 1998 INAGAKI-3** M N Inagaki, G Varughese, S Rajaram, M van Ginkel, A Mujeeb-Kazi. Comparison of bread wheat lines selected by doubled haploid, single-seed descent and pedigree selection methods *Theoretical and Applied Genetics* **97** 550-556
- 1998 KHAIRALLAH** M M Khairallah*, M Bohn, C Jiang*, J A Deutsch, D C Jewell*, J A Mihm, A E Melchinger, D González-de-León* and D A Hoisington*. Molecular mapping of QTL for southwestern corn borer resistance, plant height and flowering in tropical maize *Plant Breeding* **117** 309-318
With Universität Hohenheim, Stuttgart DE

- 1998 MATSON** Pamela A Matson, Rosamond Naylor and Ivan Ortiz-Monasterio*. Integration of environmental, agronomic, and economic aspects of fertilizer management *Science* **280** 112-115
With Stanford University, Stanford (California) US
- 1998 MORENO-GONZALEZ** J Moreno-Gonzalez and J Crossa*. Combining genotype, environment and attribute variables in regression models for predicting the cell-means of multi-environment cultivar trials *Theoretical and Applied Genetics* **96** 803-811
With Centro de Investigaciones Agrarias de Mabegondo, La Coruña (Galicia) ES
- 1998 MUGO** S N Mugo*, M E Smith, M Bänziger*, T L Setter, G O Edmeades* and A Elings*. Performance of early maturing Katumani and Kito maize composites under drought at the seedling and flowering stages *African Crop Science J.* **6** 329-344
With Cornell University, Ithaca (New York) US
- 1998 NELSON** J C Nelson, J E Autrique*, G Fuentes-Dávila* and M E Sorrels. Chromosomal location of genes for resistance to Karnal bunt in wheat *Crop Science* **38** 231-236 AGRIS 1998-061322
With Cornell University, Ithaca (New York) US
- 1998 RIBAUT** Jean-Marcel Ribaut and David Hoisington. Marker-assisted selection: new tools and strategies *Trends in Plant Science* **3** 236-239 AGRIS 1998-092297
- 1998 SMALE-1** Melinda Smale*, Jason Hartell, Paul W Heisey* and Ben Senauer. The contribution of genetic resources and diversity to wheat production in the Punjab of Pakistan *American J. Agricultural Economics* **80** 482-493 AGRIS 1998-111313
With University of Minnesota, Minneapolis (Minnesota) US
- 1998 SMALE-2** M Smale, R P Singh, K Sayre, P Pingali, S Rajaram and H J Dubin. Estimating the economic impact of breeding nonspecific resistance to leaf rust in modern bread wheats *Plant Disease* **82** 1055-1061 AGRIS 1999-042395
- 1998 SNAPP** S S Snapp, P L Mafongoya, S Waddington*. Organic matter technologies for integrated nutrient management in smallholder cropping systems of southern Africa *Agriculture Ecosystems & Environment* **71** 185-200 AGRIS 1999-036178
With International Crops Research Institute for the Semi-Arid Tropics ICRISAT, Lilongwe MW and International Center for Research in Agroforestry ICRAF, Chipata ZM
- 1998 SOUZA** E Souza, P N Fox* and B Skovmand*. Parentage analysis of International Spring Wheat Nurseries 17 to 27 *Crop Science* **38** 337-341 AGRIS 1998-092748
With University of Idaho, Aberdeen (Idaho) US
- 1998 TABA** Suketoshi Taba, Jaime Díaz, Jorge Franco and José Crossa. Evaluation of Caribbean maize accessions to develop a core subset *Crop Science* **38** 1378-1386 AGRIS 1999-039932
- 1998 TEULAT** B Teulat, D This, M Khairallah*, C Borries, C Ragot, P Sourdille, P Leroy, P Monneveux and A Charrier. Several QTLs involved in osmotic-adjustment trait variation in barley (*Hordeum vulgare* L.) *Theoretical and Applied Genetics* **96** 688-698
With ENSAM-INRA, Montpellier FX and Station d'Amélioration des Plantes INRA, Clermont-Ferrand FX
- 1998 TOOJINDA** T Toojinda, E Baird, A Booth, L Broers, P Hayes, W Powell, W Thomas, H Vivar* and G Young. Introgression of quantitative trait loci (QTLs) determining stripe rust resistance in barley: an example of marker-assisted line development *Theoretical and Applied Genetics* **96** 123-131
With Oregon State University, Corvallis (Oregon) US and Scottish Crop Research Institute, Invergowrie (Scotland) GB

- 1998 VILLAREAL** Reynaldo L Villareal, Oscar Bañuelos, Abdul Mujeeb-Kazi and Sanjaya Rajaram. Agronomic performance of chromosomes 1B and T1BL.1RS near-isolines in the spring bread wheat Seri M82 *Euphytica* **103** 195-202 AGRIS 1999-009434
- 1998 WELZ** H G Welz, A Schechert, A Pernet, K V Pixley* and H H Geiger. A gene for resistance to the maize streak virus in the African CIMMYT maize inbred line CML202 *Molecular Biology* **4** 147-154 AGRIS 1998-081856
With Universität Hohenheim, Stuttgart DE
-
- 1999 BÄNZIGER** M Bänziger, G O Edmeades and H R Lafitte. Selection for drought tolerance increases maize yields across a range of nitrogen levels *Crop Science* **39** 1035-1040
- 1999 BINDRABAN** P S Bindraban. Impact of canopy nitrogen profile in wheat on growth *Field Crops Research* **63** 63-67 AGRIS 2000-017334
From Agricultural University, Wageningen NL
- 1999 BOHOROVA** N Bohorova, W Zhang, P Julstrum, S McLean, B Luna, R M Brito, L Diaz, M E Ramos, P Estanol, M Pacheco, M Salgado and D Hoisington. Production of transgenic tropical maize with *cryIAb* and *cryIAc* genes via microprojectile bombardment of immature embryos *Theoretical and Applied Genetics* **99** 437-444
- 1999 BRENNAN** J P Brennan, D Godden, M Smale* and E Meng*. Breeder demand for and utilisation of wheat genetic resources in Australia *Plant Varieties and Seeds* **12** 113-127
With NSW Agriculture, Wagga Wagga Agricultural Institute, Wagga Wagga (New South Wales) AU and University of Sydney, Sydney (New South Wales) AU
- 1999 CHAPMAN** S C Chapman and G O Edmeades. Selection improves drought tolerance in tropical maize populations: II. Direct and correlated responses among secondary traits *Crop Science* **39** 1315-1324 For Part I, see **1999 EDMEADES**
- 1999 CORNELIUS** Paul L Cornelius and José Crossa*. Prediction assessment of shrinkage estimators of multiplicative models for multi-environment cultivar trials *Crop Science* **39** 998-1009
With University of Kentucky, Lexington (Kentucky) US
- 1999 CROSSA** J Crossa*, M Vargas*, F A van Eeuwijk, C Jiang*, G O Edmeades* and D Hoisington*. Interpreting genotype x environment interaction in tropical maize using linked molecular markers and environmental covariables *Theoretical and Applied Genetics* **99** 611-625
With Wageningen Agricultural University, Wageningen NL
- 1999 EDMEADES** G O Edmeades, J Bolaños, S C Chapman, H R Lafitte and M Bänziger. Selection improves drought tolerance in tropical maize populations: I. Gains in biomass, grain yield, and harvest index *Crop Science* **39** 1306-1315 For Part II, see **1999 CHAPMAN**
- 1999 EGLE** Komi Egle, Günther Manske, Wilhelm Römer and Paul L G Vlek. Improved phosphorus efficiency of three new wheat genotypes from CIMMYT in comparison with an older Mexican variety *J. Plant Nutrition and Soil Science* **162** 353-358
From Universität Göttingen, Göttingen DE
- 1999 GRAHAM** Robin Graham, D Senadhira, Steven Beebe, Carlos Iglesias and Ivan [Ortiz] Monasterio*. Breeding for micronutrient density in edible portions of staple food crops: conventional approaches *Field Crops Research* **60** 57-80 AGRIS 1999-059752
With University of Adelaide, Glen Osmond (South Australia) AU; International Rice Research Institute IRRI, Los Banos PH; and International Center for Tropical Agriculture CIAT, Cali CO

- 1999 HARTKAMP** A Dewi Hartkamp*, Jeffery W White* and Gerrit Hoogenboom. Interfacing geographic information systems with agronomic modeling: a review *Agronomy J.* **91** 761-772
With University of Georgia, Griffin (Georgia) US
- 1999 HASSAN** R M Hassan, M Mekuria and W Mwangi. Impacts of maize breeding research and recent shifts in the role of the public and private suppliers of maize seed technologies in eastern and southern Africa *Agrekon* **38** 816-826 AGRIS 2000-056585
- 1999 HEDE-1** A R Hede*, B Skovmand*, M P Reynolds*, J Crossa*, A L Vilhelmsen and O Stølen. Evaluating genetic diversity for heat tolerance traits in Mexican wheat landraces *Genetic Resources and Crop Evolution* **46** 37-45 AGRIS 1999-060026
With Royal Veterinary and Agricultural University RVAU, Copenhagen DK
- 1999 HEDE-2** A R Hede*, G Srinivasan*, O Stølen and S K Vasal*. Identification of heterotic pattern in tropical inbred maize lines using broad-based synthetic testers *Maydica* **44** 325-331 AGRIS 2001-001208
With Royal Veterinary and Agricultural University RVAU, Frederiksberg DK
- 1999 JIANG** C Jiang*, G O Edmeades*, I Armstead, H R Lafitte, M D Hayward and D Hoisington*. Genetic analysis of adaptation differences between highland and lowland tropical maize using molecular markers *Theoretical and Applied Genetics* **99** 1106-1119
With Institute for Grassland and Environmental Research IGER, Aberystwyth (Wales) GB
- 1999 LU** X W Lu, J L Brewbaker, S M Nourse, H G Moon, S K Kim and M Khairallah*. Mapping of quantitative trait loci conferring resistance to maize streak virus *Maydica* **44** 313-318 AGRIS 2001-001206
With University of Hawaii, Honolulu (Hawaii) US and International Institute for Tropical Agriculture IITA, Ibadan NG
- 1999 MUJEEB-KAZI-1** A Mujeeb-Kazi, A Cortes, V Rosas, M D H M William and R Delgado. Some *Triticum turgidum* L. cultivars possessing the chromosome T1BL.1RS substitution *Cereal Research Communications* **27** 373-376
- 1999 MUJEEB-KAZI-2** A Mujeeb-Kazi, A Cortes, V Rosas, M D H M William and R Delgado. Development of near-isogenic sets of derivatives with T1BL.1RS or 1B chromosome substitutions in bread wheat *Wheat Information Service* **89** 13-16 AGRIS 2001-014398
- 1999 NOURSE** S M Nourse, A Elings* and J L Brewbaker. Quantitative trait loci associated with lime-induced chlorosis in recombinant inbred lines of maize *Maydica* **44** 293-299 AGRIS 2001-001204
With University of Hawaii, Honolulu (Hawaii) US
- 1999 PERNET-1** A Pernet*, D Hoisington*, J Franco*, M Isnard, D Jewell*, C Jiang*, J-L Marchand, B Reynaud, J-C Glaszmann and D González de León*. Genetic mapping of maize streak virus resistance from the Mascarene source: I. Resistance in line D211 and stability against different virus clones *Theoretical and Applied Genetics* **99** 524-539
With Centre de Coopération Internationale en Recherche Agronomique pour le Développement CIRAD, Montpellier FX and Saint Pierre RE
- 1999 PERNET-2** A Pernet*, D Hoisington*, J Dintinger, D Jewell*, C Jiang*, M Khairallah*, P Letourmy, J-L Marchand, J-C Glaszmann and D González de León*. Genetic mapping of maize streak virus resistance from the Mascarene source: II: Resistance in line CIRAD390 and stability across germplasm *Theoretical and Applied Genetics* **99** 540-553
With Centre de Coopération Internationale en Recherche Agronomique pour le Développement CIRAD Montpellier FX and Saint Pierre RE

- 1999 RAJARAM** S Rajaram. Approaches for breaching yield stagnation in wheat *Genome* **42** 629-634
- 1999 REYNOLDS** M R Reynolds, S Rajaram and K D Sayre. Physiological and genetic changes of irrigated wheat in the post-Green Revolution period and approaches for meeting projected global demand *Crop Science* **39** 1611-1621
- 1999 RIBAUT** Jean-Marcel Ribaut and Javier Betrán. Single large-scale marker-assisted selection (SLS-MAS) *Molecular Breeding* **5** 531-541
- 1999 SAN VICENTE** Félix San Vicente, Surinder Kumar Vasal, Scott Douglas McLean, Sai Kumar Ramanujam y Manuel Barandiaran. Comportamiento de líneas tropicales precoces de maíz en condiciones de sequía *Agronomía Tropical (Maracay VE)* **49** 135-154
- 1999 SINGH** R P Singh*, W Q Chen and Z H He*. Leaf rust resistance of spring, facultative, and winter wheat cultivars from China *Plant Disease* **83** 644-651
With Chinese Academy of Agricultural Sciences, Beijing CN
- 1999 VASAL** S K Vasal, G Srinivasan, H Cordova, S Pandey, D Jeffers, D Bergvinson and D Beck. Inbred line evaluation nurseries and their role in maize breeding at CIMMYT *Maydica* **44** 341-351
AGRIS 2001-001210
- 1999 VILLAREAL** R L Villareal, A Mujeeb-Kazi and R J Peña. Agronomic performance and quality characteristics of tissue culture-derived lines of spring wheat (*Triticum aestivum* L.) cultivar Pavon *Cereal Research Communications* **27** 41-48
- 1999 WALL** Patrick C Wall. Experiences with crop residue cover and direct seeding in the Bolivian highlands *Mountain Research and Development* **19** 313-317
AGRIS 2000-028072
- 1999 ZHU** H Zhu, L Gilchrist*, P Hayes, A Kleinhofs, D Kudrna, Z Liu, L Prom, B Steffenson, T Toojinda and H Vivar*. Does function follow form? Principal QTLs for *Fusarium* head blight (FHB) resistance are coincident with QTLs for inflorescence traits and plant height in a doubled-haploid population of barley *Theoretical and Applied Genetics* **99** 1221-1232
With Oregon State University, Corvallis (Oregon) US; North Dakota State University, Fargo and Langdon (North Dakota) US; and Shanghai Academy of Agricultural Science, Shanghai CN
-
- 2000 BÄNZIGER** Marianne Bänziger* and Jennifer Long. The potential for increasing the iron and zinc density of maize through plant-breeding *Food and Nutrition Bull.* **21** 397-400
With Cornell University, Ithaca (New York) US
- 2000 BARBOUR** Margaret D Barbour, R Anthony Fischer, Ken D Sayre* and Graham D Farquhar. Oxygen isotope ratio of leaf and grain material correlates with stomatal conductance and grain yield in irrigated wheat *Australian J. Plant Physiology* **27** 625-637
With Australian National University and Australian Centre for International Agricultural Research ACIAR, Canberra (ACT) AU
- 2000 CALDERINI** Daniel F Calderini and Matthew P Reynolds. Changes in grain weight as a consequence of de-graining treatments at pre- and post-anthesis in synthetic hexaploid lines of wheat (*Triticum durum* x *T. tauschii*) *Australian J. Plant Physiology* **27** 183-191
- 2000 CLEVELAND** David A Cleveland, Daniela Soleri and Steven E Smith. A biological framework for understanding farmers' plant breeding *Economic Botany* **54** 377-394
From University of Arizona, Tucson (Arizona) US

- 2000 DEL BLANCO** I A del Blanco, S Rajaram*, W E Kronstad and M P Reynolds*. Physiological performance of synthetic hexaploid wheat-derived populations *Crop Science* **40** 1257-1263
With Oregon State University, Corvallis (Oregon) US
- 2000 DeLACY-1** I H DeLacy, B Skovmand* and J Huerta. Characterization of Mexican wheat landraces using agronomically useful attributes *Genetic Resources and Crop Evolution* **47** 591-602
With University of Queensland, Brisbane (Queensland) AU; Comisión Nacional para el Conocimiento y Uso de la Biodiversidad, Mexico (DF) MX; and Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Chapingo MX
- 2000 DeLACY-2** I H DeLacy, S Rajaram*, M Cooper, P N Fox* and K E Basford. The effect of the accumulation of disease resistance genes on the long-term association of a global sample of environments for testing spring bread wheat *Theoretical and Applied Genetics* **101** 1164-1172
With University of Queensland, Brisbane (Queensland) AU
- 2000 DUVEILLER** E Duveiller and I García Altamirano. Pathogenicity of *Bipolaris sorokiniana* isolates from wheat roots, leaves and grains in Mexico *Plant Pathology* **49** 235-242
- 2000 ELINGS** Anne Elings. Estimation of leaf area in tropical maize *Agronomy J.* **92** 436-444
- 2000 GIAUFFRET** C Giauffret, J Lothrop, D Dorvillez, B Gouesnard and M Derieux. Genotype x environment interactions in maize hybrids from temperate or highland tropical origin *Crop Science* **40** 1004-1012
With Institut National de Recherche Agronomique INRA, Estrées-Mons and Mauguio FX
- 2000 GILCHRIST-SAAVEDRA** Lucy Isabella Gilchrist-Saavedra. Problemas fitosanitarios de los cereales de grano pequeño en los valles altos de México *Revista Mexicana de Fitopatología* **18** 132-137
- 2000 GOLLIN** Douglas Gollin, Melinda Smale and Bent Skovmand. Searching an *ex situ* collection of wheat genetic resources *American J. Agricultural Economics* **82** 812-827
- 2000 LIMON-ORTEGA-1** Agustin Limon-Ortega*, Kenneth D Sayre* and Charles A Francis. Wheat and maize yields in response to straw management and nitrogen under a bed planting system *Agronomy J.* **92** 295-302
With University of Nebraska, Lincoln (Nebraska) US
- 2000 LIMON-ORTEGA-2** Agustin Limon-Ortega*, Kenneth D Sayre* and Charles A Francis. Wheat nitrogen use efficiency in a bed planting system in northwest Mexico *Agronomy J.* **92** 303-308
With University of Nebraska, Lincoln (Nebraska) US
- 2000 MAREDA** Mywish K Maredia and Derek Byerlee. Efficiency of research investments in the presence of international spillovers: wheat research in developing countries *Agricultural Economics* **22** 1-16
From Michigan State University, East Lansing (Michigan) US and World Bank, Washington (DC) US
- 2000 NARRO** L A Narro, J C Pérez, S Pandey, J Crossa, F Salazar, M P Arias and J Franco. Diallel and triallel analysis in an acid soil tolerant maize (*Zea mays* L.) population *Maydica* **45** 301-308
AGRIS 2002-020462
- 2000 [ORTIZ-] MONASTERIO** Ivan Monasterio* and Robin D Graham. Breeding for trace minerals in wheat *Food and Nutrition Bull.* **21** 392-396
With University of Adelaide, Glen Osmond (South Australia) AU

- 2000 PANEK** J A Panek, P A Matson, I Ortiz-Monasterio* and P Brooks. Distinguishing nitrification and denitrification sources of N₂O in a Mexican wheat system using ¹⁵N *Ecological Applications* **10** 506-514
With University of California, Berkeley (California) US and Stanford University, Stanford (California) US
- 2000 RANSOM** Joel K Ransom. Long-term approaches for the control of *Striga* in cereals: field management options *Crop Protection* **19** 759-763
- 2000 REKIKA** D Rekika, Y Kara, I Sougris, M M Nachit*, A Asbati and P Monneveux. The tolerance of PSII to high temperatures in durum wheat (*T. turgidum* conv. *durum*): genetic variation and relationship with yield under heat stress *Cereal Research Communications* **28** 395-402
With UFR Génétique et Amélioration de Plantes ENSA-INRA, Montpellier FX
- 2000 REYNOLDS** Matthew P Reynolds, Maarten van Ginkel and Jean-Marcel Ribaut. Avenues for genetic modification of radiation use efficiency in wheat *J. Experimental Botany* **51** 459-473
- 2000 SAVIDAN** Yves Savidan. Apomixis: genetics and breeding *Plant Breeding Reviews* **18** 13-86
- 2000 SINGH** R P Singh*, J C Nelson and M E Sorrells. Mapping *Yr28* and other genes for resistance to stripe rust in wheat *Crop Science* **40** 1148-1155
With Cornell University, Ithaca (New York) US
- 2000 SIVAPALAN** S Sivapalan, L O'Brien, G Ortiz-Ferrara*, G J Hollamby, I Barclay and P J Martin. An adaptation analysis of Australian and CIMMYT/ICARDA wheat germplasm in Australian production environments *Australian J. Agricultural Research* **51** 903-915
With University of Sydney, Narrabri (New South Wales) AU; University of Adelaide, Roseworthy (South Australia) AU; Department of Agriculture, Perth (Western Australia) AU; and Agricultural Research Institute, Wagga Wagga (New South Wales) AU
- 2000 SOLERI** Daniela Soleri, Steven E Smith and David A Cleveland. Evaluating the potential for farmer and plant breeder collaboration: a case study of farmer maize selection in Oaxaca, Mexico *Euphytica* **116** 41-57
With University of Arizona, Tucson (Arizona) US
- 2000 TOOJINDA** T Toojinda, L H Broers, X M Chen, P M Hayes, A Kleinhofs, J Korte, D Kudrna, H Leung, R F Line, W Powell, L Ramsay, H Vivar*, R Waugh. Mapping quantitative and qualitative disease resistance genes in a doubled haploid population of barley (*Hordeum vulgare*) *Theoretical and Applied Genetics* **101** 580-589
With Oregon State University, Corvallis (Oregon) US; Washington State University, Pullman (Washington) US; and Scottish Crop Research Institute Invergowrie, Dundee GB
- 2000 VASAL** S K Vasal. The quality protein maize story *Food and Nutrition Bull.* **21** 445-450
- 2000 VILLEGAS** D Villegas, N Aparicio, M M Nachit*, J L Araus and C Royo. Photosynthetic and developmental traits associated with genotypic differences in durum wheat yield across the Mediterranean basin *Australian J. Agricultural Research* **51** 891-901
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY and Centro UdL-IRTA, Lleida (Catalunya) ES
-
- 2001 AYALA-1** L Ayala*, M van Ginkel*, M Khairallah*, B Keller and M Henry*. Expression of *Thinopyrum intermedium*-derived barley yellow dwarf virus resistance in elite bread wheat backgrounds *Phytopathology* **91** 55-62
With Eidgenössische Technische Hochschule ETH and Universität Zürich, Zürich CH

- 2001 AYALA-2** L Ayala*, M Henry*, D González-de-León*, M van Ginkel*, A Mujeeb-Kazi*, B Keller and M Khairallah*. A diagnostic molecular marker allowing the study of *Th. intermedium*-derived resistance to BYDV in bread wheat segregating populations *Theoretical and Applied Genetics* **102** 942-949
With Universität Zürich, Zürich CH
- 2001 BÄNZIGER** Marianne Bänziger* and Mark Cooper. Breeding for low input conditions and consequences for participatory plant breeding: examples from tropical maize and wheat *Euphytica* **122** 503-519
With University of Queensland, Brisbane (Queensland) AU
- 2001 BELLON** Mauricio R Bellon and Jean Risopoulos. Small-scale farmers expand the benefits of improved maize germplasm: a case study from Chiapas, Mexico *World Development* **29** 799-811
- 2001 BOER** Eric P J Boer, Kirsten M de Beurs and A Dewi Hartkamp*. Kriging and thin plate splines for mapping climate variables *J. Applied Earth Observation and Geoinformation* **3** 146-154
With Wageningen University, Wageningen NL
- 2001 BOHN** M Bohn, S Groh, M M Khairallah*, D A Hoisington*, H F Utz and A E Melchinger. Re-evaluation of the prospects of marker-assisted selection for improving insect resistance against *Diatraea* spp. in tropical maize by cross validation and independent validation *Theoretical and Applied Genetics* **103** 1059-1067
With Universität Hohenheim, Stuttgart DE
- 2001 BOHOROVA-1** N E Bohorova, W H Pfeifer, M Mergoum, J Crossa, M Pacheco and P Estañol. Regeneration potential of CIMMYT durum wheat and triticale varieties from immature embryos *Plant Breeding* **120** 291-295
- 2001 BOHOROVA-2** N Bohorova*, R Frutos, M Royer, P Estañol*, M Pacheco*, Q Rascón*, S McLean*, D Hoisington*. Novel synthetic *Bacillus thuringiensis cry1B* gene and the *cry1B-cry1Ab* translational fusion confer resistance to southwestern corn borer, sugarcane borer and fall armyworm in transgenic tropical maize *Theoretical and Applied Genetics* **103** 817-826
With CIRAD, Montpellier FX
- 2001 BORU** G Boru, M van Ginkel*, W E Kronstad and L Boersma. Expression and inheritance of tolerance to waterlogging stress in wheat *Euphytica* **117** 91-98
With Oregon State University, Corvallis (Oregon) US
- 2001 CASSADAY** Kelly Cassaday*, Melinda Smale*, Cary Fowler and Paul W Heisey*. Benefits from giving and receiving genetic resources: the case of wheat *Plant Genetic Resources Newsletter* **127** 1-10
With Agricultural University of Norway, Ås NO
- 2001 CHOI** L-R Choi, J S Hall, M Henry*, L Zhang, G L Hein, R French and D C Stenger. Contributions of genetic drift and negative selection on the evolution of three strains of wheat streak mosaic tritrovirus *Archives of Virology* **146** 619-628
With University of Nebraska, Lincoln and Scottsbluff (Nebraska) US
- 2001 DEL BLANCO** I A del Blanco, S Rajaram* and W E Kronstad. Agronomic potential of synthetic hexaploid wheat-derived populations *Crop Science* **41** 670-676
With Oregon State University, Corvallis (Oregon) US

- 2001 DOSS-1** Cheryl R Doss and Michael L Morris*. How does gender affect the adoption of agricultural innovations? The case of improved maize technology in Ghana *Agricultural Economics* **25** 27-39
With Yale University, New Haven (Connecticut) US
- 2001 DOSS-2** Cheryl R Doss. Designing agricultural technology for African women farmers: lessons from 25 years of experience *World Development* **29** 2075-2092
With Yale university, New Haven (Connecticut) US
- 2001 EBBERT** Mercedes A Ebert, Daniel P Jeffers*, Nigel A Harrison and Lowell R Nault. Lack of specificity in the interaction between two maize stunting pathogens and field collected *Dalbulus* leafhoppers *Entomologia Experimentalis et Applicata* **101** 49-57
With Ohio State University, Wooster (Ohio) US and University of Florida, Fort Lauderdale (Florida) US
- 2001 FEDERER** Walter T Federer, Matthew Reynolds* and Jose Crossa*. Combining results for augmented designs over sites *Agronomy J.* **93** 389-395
With Cornell University, Ithaca (New York) US
- 2001 FERRIO** J P Ferrio, E Bertran, M Nachit*, C Royo and J L Araus. Near infrared reflectance spectroscopy as a potential surrogate method for the analysis of $\Delta^{13}\text{C}$ in mature kernels of durum wheat *Australian J. Agricultural Research* **52** 809-816
With Universitat de Barcelona, Barcelona (Catalunya) ES and Centre UdL-IRTA, Lleida (Catalunya) ES
- 2001 FRANCO** J Franco, J Crossa, J M Ribaut, J Betran, M L Warburton and M Khairallah. A method for combining molecular markers and phenotypic attributes for classifying plant genotypes *Theoretical and Applied Genetics* **103** 944-952
- 2001 GAUDET** D A Gaudet, G Fuentes-Davila*, R M De Pauw and P A Burnett. Reactions of western Canada spring wheat and triticale varieties to *Tilletia indica*, the causal agent of Karnal bunt *Canadian J. Plant Science* **81** 503-508
With Agriculture and Agri-Food Canada, Lethbridge (Alberta) and Swift Current (Saskatchewan) CA
- 2001 GRIMANELLI** Daniel Grimanelli*, Olivier Leblanc*, Enrico Perotti* and Ueli Grossniklaus. Developmental genetics of gametophytic apomixis *Trends in Genetics* **17** 597-604
With Universität Zürich, Zürich CH
- 2001 KOSAREK** Jennifer L Kosarek*, Philip Garcia and Michael L Morris*. Factors explaining the diffusion of hybrid maize in Latin America and the Caribbean region *Agricultural Economics* **26** 267-280
With University of Illinois, Urbana (Illinois) US
- 2001 MAES** Benoit Maes, Richard M Trethowan, Matthew P Reynolds, Maarten van Ginkel and Bent Skovmand. The influence of glume pubescence on spikelet temperature of wheat under freezing conditions *Australian J. Plant Physiology* **28** 141-148
- 2001 MERAH-1** O Merah, E Deléens, M M Nachit* and P Monneveux. Carbon isotope discrimination, leaf characteristics and grain yield of interspecific wheat lines and their durum parents under Mediterranean conditions *Cereal Research Communications* **29** 143-149
With UMR Diversité et Génome des Plantes Cultivées ENSA-INRA, Montpellier FX et Université de Paris-Sud Orsay FX
- 2001 MERAH-2** O Merah, E Deléens, I Souyris, M Nachit* and P Monneveux. Stability of carbon isotope discrimination and grain yield in durum wheat *Crop Science* **41** 677-681
With UFR Génétique et Amélioration des Plantes ENSA-INRA, Montpellier FX et Université de Paris-Sud, Orsay FX

- 2001 MICKELSON** Harold R Mickelson, Hugo Cordova, Kevin V Pixley and Magnie S Bjarnason. Heterotic relationships among nine temperate and subtropical maize populations *Crop Science* **41** 1012-1020
- 2001 NACHIT** M M Nachit*, I Elouafi*, M A Pagnotta, A El Saleh, E Iacono, M Labhilili, A Asbati, M Azrak, H Hazzam, D Benscher, M Khairallah*, J-M Ribaut*, O A Tanzarella, E Porceddu, M E Sorrells. Molecular linkage map for an intraspecific recombinant inbred population of durum wheat (*Triticum turgidum* L. var. durum) *Theoretical and Applied Genetics* **102** 177-186
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY; Università della Tuscia, Viterbo IT; and Cornell University, Ithaca (New York) US
- 2001 PARDEY** Philip G Pardey, Bonwoo Koo, Brian D Wright, M Eric Van Dusen, Bent Skovmand* and Suketoshi Taba*. Costing the conservation of genetic resources: CIMMYT's ex situ maize and wheat collection *Crop Science* **41** 1286-1299
With International Food Policy Research Institute IFPRI, Washington (DC) US and University of California, Berkeley and Davis (California) US
- 2001 PÉREZ** T Pérez, S E Trumbore, S C Tyler, P A Matson, I Ortiz-Monasterio*, T Rahn and D W T Griffith. Identifying the agricultural imprint on the global N₂O budget using stable isotopes *J. Geophysical Research* **106 D** 9869-9878
With University of California, Irvine (California) US
- 2001 PFLÜGER** L A Pflüger, R D'Ovidio, B Margiotta, R Peña*, A Mujeeb-Kazi*, D Lafiandra. Characterisation of high- and low-molecular weight glutenin subunits associated to the D genome of *Aegilops tauschii* in a collection of synthetic hexaploid wheats *Theoretical and Applied Genetics* **103** 1293-1301
With Instituto de Recursos Biológicos INTA, Castelar AR; Università della Tuscia, Viterbo IT; and Istituto di Germoplasma, Bari IT
- 2001 RAJARAM** Sanjaya Rajaram, Robert J Peña, Reynaldo L Villareal, Abdul Mujeeb-Kazi, Ravi Singh and Lucy Gilchrist. Utilization of wild and cultivated emmer and of diploid wheat relatives in breeding *Israel J. Plant Sciences* **49** S93-S104
- 2001 RILEY** W J Riley, I Ortiz-Monasterio* and P A Matson. Nitrogen leaching and soil nitrate, nitrite, and ammonium levels under irrigated wheat in northern Mexico *Nutrient Cycling in Agroecosystems* **61** 223-236
With Lawrence Berkeley National Laboratory, Berkeley (California) US and Stanford University, Palo Alto (California) US
- 2001 RIVERA-SÁNCHEZ** María del Pilar Rivera-Sánchez y Guillermo Fuentes-Dávila. Diversidad morfológica en la germinación de las teliosporas de *Tilletia indica* *Revista Mexicana de Fitopatología* **19** 110-115
- 2001 SHARP** P J Sharp*, S Johnston, G Brown, R A McIntosh, M Pallotta, M Carter, H S Bariana, S Khatkar, E S Lagudah, R P Singh*, M Khairallah*, R Potter and M G K Jones. Validation of molecular markers for wheat breeding *Australian J. Agricultural Research* **52** 1357-1366
With University of Sydney, Camden (New South Wales) AU
- 2001 SINGH** Ravi P Singh*, Kazuhiro Nakamura and Julio Huerta-Espino*. Leaf rust resistance genes in Japanese wheat cultivars *Breeding Science* **51** 83-87
With Tohoku National Agricultural Experiment Station, Morioka (Iwate) JP

- 2001 SIVAPALAN** S Sivapalan, L O'Brien, G Ortiz-Ferrara*, G J Hollamby, I Barclay and P J Martin. Yield performance and adaptation of some Australian and CIMMYT/ICARDA developed wheat genotypes in the West Asia North Africa (WANA) region *Australian J. Agricultural Research* **52** 661-670
With University of Sydney, Narrabri (New South Wales) AU; University of Adelaide, Roseworthy (South Australia) AU; Department of Agriculture, South Perth (Western Australia) AU; and Agricultural Research Institute, Wagga Wagga (New South Wales) AU
- 2001 SOLERI** Daniela Soleri and David A Cleveland. Farmer's genetic perceptions regarding their crop populations: an example with maize in the central valleys of Oaxaca, Mexico *Economic Botany* **55** 106-128
With University of Arizona, Tucson (Arizona) US
- 2001 TRETOWAN-1** Richard M Trethowan, José Crossa, Maarten van Ginkel and Sanjaya Rajaram. Relationships among bread wheat international yield testing locations in dry areas *Crop Science* **41** 1461-1469
- 2001 TRETOWAN-2** R M Trethowan, R J Peña and M van Ginkel. The effect of indirect tests for grain quality on the grain yield and industrial quality of bread wheat *Plant Breeding* **120** 509-512
- 2001 VARGAS** Mateo Vargas*, Jose Crossa*, Fred van Eeuwijk, Kenneth D Sayre* and Matthew P Reynolds*. Interpreting treatment x environment interaction in agronomy trials *Agronomy J.* **93** 949-960
With Wageningen University, Wageningen NL
- 2001 WANG** J Wang*, D W Podlich, M Cooper and I H DeLacy. Power of the joint segregation analysis method for testing mixed major-gene and polygene inheritance models of quantitative traits *Theoretical and Applied Genetics* **103** 804-816
With University of Queensland, Brisbane (Queensland) AU
- 2001 YAN** Weikai Yan, Paul L Cornelius, Jose Crossa* and L A Hunt. Two types of GGE biplots for analyzing multi-environment trial data *Crop Science* **41** 656-663
With University of Guelph, Guelph (Ontario) CA and University of Kentucky, Lexington (Kentucky) US
-
- 2002 ARAUS** J L Araus, G A Slafer, M P Reynolds* and C Royo. Plant breeding and drought in C₃ cereals: what should we breed for? *Annals of Botany* **89** 925-940
With Universitat de Barcelona, Barcelona (Catalunya) ES; Universidad de Buenos Aires, Buenos Aires AR; and Centre UdL-IRTA, Lleida (Catalunya) ES
- 2002 AYALA** Ligia Ayala*, Monique Henry*, Maarten van Ginkel*, Ravi Singh*, Beat Keller and Mireille Khairallah*. Identification of QTLs for BYDV tolerance in bread wheat *Euphytica* **128** 249-259
With Universität Zürich, Zürich CH
- 2002 CAO** Wenguang Cao, P Hucl, G Scoles, R N Chibbar, P N Fox* and B Skovmand*. Cultivar identification and pedigree assessment of common wheat based on RAPD analysis *Wheat Information Service* **95** 29-35
With University of Saskatchewan, Saskatoon (Saskatchewan) CA
- 2002 CASTRO** Ariel J Castro, Xianming Chen, Patrick M Hayes, Steven J Knapp, Roland F Line, Theerayut Toojinda and Hugo Vivar*. Coincident QTL which determine seedling and adult plant resistance to stripe rust in barley *Crop Science* **42** 1701-1708
With Oregon State University, Corvallis (Oregon) US and Washington State University, Pullman (Washington) US

- 2002 COLLET** Lutz Collet, Carlos de Leon*, Malte Kollmeie, Nicole Schmohl and Walter J Horst. Assessment of aluminum sensitivity of maize cultivars using roots of intact plants and excised root tips *J. Plant Nutrition and Soil Science* **165** 357-365
With Universität Hannover, Hannover DE
- 2002 CROSSA** José Crossa, Paul L Cornelius and Weikai Yan. Biplots of linear-bilinear models for studying crossover genotype x environment interaction *Crop Science* **42** 619-633
With University of Kentucky, Lexington (Kentucky) US and University of Guelph, Guelph (Ontario) CA
- 2002 ERENSTEIN** Olaf Erenstein. Crop residue mulching in tropical and semi-tropical countries: an evaluation of residue availability and other technological implications *Soil & Tillage Research* **67** 115-133
With Wageningen University, Wageningen NL
- 2002 FISCHER** R A Fischer, F Santiveri and L R Vidal. Crop rotation, tillage and crop residue management for wheat and maize in the sub-humid tropical highlands: I. Wheat and legume performance; II. Maize and system performance *Field Crops Research* **79** 107-122; 123-137
- 2002 FRACHEBOUD** Y Fracheboud, J-M Ribaut*, M Vargas*, R Messmer and P Stamp. Identification of quantitative trait loci for cold-tolerance of photosynthesis in maize (*Zea mays* L.) *J. Experimental Botany* **53** 1967-1977
With Eidgenössische Technische Hochschule ETH, Zürich CH
- 2002 GUPTA** P K Gupta, H S Balyan, K J Edwards, P Isaac, V Korzun, M Röder, M-F Gautier, P Joudrier, A R Schlatter, J Dubcovsky, R C de la Peña, M Khairallah*, G Penner, M J Hayden, P Sharp, B Keller, R C C Wang, J P Hardouin, P Jack and P Leroy. Genetic mapping of 66 new microsatellite (SSR) loci in bread wheat *Theoretical and Applied Genetics* **105** 413-422
With 14 institutions in eight countries (AR, AU, CH, DE, FR, GB, IN, US)
- 2002 HARTKAMP-1** A D Hartkamp*, G Hoogenboom and J W White*. Adaptation of the CROPGRO growth model to velvet bean (*Mucuna pruriens*): I. Model development *Field Crops Research* **78** 9-25
With University of Georgia, Griffin (Georgia) US
- 2002 HARTKAMP-2** A D Hartkamp*, G Hoogenboom, R A Gilbert, T Benson, S A Tarawali, A J Gijssman, W Bowen and J W White*. Adaptation of the CROPGRO growth model to velvet bean (*Mucuna pruriens*): II. Cultivar evaluation and testing *Field Crops Research* **78** 27-40
With other institutions in five countries (CO, MW, NG, PE, US)
- 2002 HARRINGTON** Larry Harrington, Jeffrey White, Peter Grace, David Hodson, Agnes Dewi Hartkamp, Christopher Vaughan and Craig Meisner. Delivering the goods: scaling out results of natural resource management research *Conservation Ecology* (an online journal) **5** (2) article 19
- 2002 HEDE** A R Hede*, B Skovmand*, D González-de-Léon* and O Stølen. Evaluation of aluminium tolerance in a spring rye collection by hydroponic screening *Plant Breeding* **121** 241-248
With Norwegian Crop Research Institute, Njøs, Leikanger NO
- 2002 HESSLER** T G Hessler, M J Thomson, D Benschler, M M Nachit* and M E Sorrells. Association of a lipoxygenase locus, *Lpx-B1*, with variation in lipoxygenase activity in durum wheat seeds *Crop Science* **42** 1695-1700
With Cornell University, Ithaca (New York) US

- 2002 KUMAR-1** Harish Kumar and John Mihm. Fall armyworm (Lepidoptera: Noctuidae), southwestern corn borer (Lepidoptera: Pyralidae) and sugarcane borer (Lepidoptera: Pyralidae) damage and grain yield of four maize hybrids in relation to four tillage systems *Crop Protection* **21** 121-128
- 2002 KUMAR-2** Harish Kumar. Plant damage and grain yield reduction by fall armyworm and stem borers on certain maize hybrids containing resistance genes from varying sources under experimental and farmers field conditions *Crop Protection* **21** 563-573
- 2002 KUMAR-3** Harish Kumar. Resistance in maize to the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) *J. Stored Products Research* **38** 267-280
- 2002 LEBLANC** Olivier Leblanc, Céline Pointe and Martha Hernandez. Cell cycle progression during endosperm development in *Zea mays* depends on parental dosage effects *Plant J.* **32** 1057-1066
- 2002 LIMON-ORTEGA** Agustin Limon-Ortega*, Kenneth D Sayre*, Rhae A Drijber and Charles A Francis. Soil attributes in a furrow-irrigated bed planting system in northwest Mexico *Soil & Tillage Research* **63** 123-132
With University of Nebraska, Lincoln (Nebraska) US
- 2002 LOBELL** David B Lobell, J Ivan Ortiz-Monasterio*, C Lee Adams and Gregory P Asner. Soil, climate, and management impacts on regional wheat productivity in Mexico from remote sensing *Agricultural and Forest Meteorology* **114** 31-43
With Carnegie Institution of Washington, Stanford (California) US and Stanford University, Stanford (California) US
- 2002 MANSKE** G G B Manske, J I Ortiz-Monasterio*, R M van Ginkel*, S Rajaram* and P L G Vlek. Phosphorus use efficiency in tall, semi-dwarf and dwarf near-isogenic lines of spring wheat *Euphytica* **125** 113-119
With Universität Göttingen, Göttingen DE
- 2002 PELLEGRINESCHI-1** A Pellegrineschi, L M Noguera, B Skovmand, R M Brito, L Velazquez, M M Salgado, R Hernandez, M Warburton and D Hoisington. Identification of highly transformable wheat genotypes for mass production of fertile transgenic plants *Genome* **45** 421-430
- 2002 PELLEGRINESCHI-2** A Pellegrineschi, R M Brito, L Velazquez, L M Noguera, S McLean and D Hoisington. The effect of pretreatment with mild heat and drought stresses on the explant and biolistic transformation frequency of three durum wheat cultivars *Plant Cell Reports* **20** 955-960
- 2002 PINGALI** P L Pingali* and G Traxler. Changing locus of agriculture research: will the poor benefit from biotechnology and privatization trends? *Food Policy* **27** 223-238
With Auburn University, Auburn (Alabama) US
- 2002 PIXLEY** Kevin V Pixley and Magni S Bjarnason. Stability of grain yield, endosperm modification, and protein quality of hybrid and open-pollinated quality protein maize (QPM) cultivars *Crop Science* **42** 1882-1890
- 2002 PRITCHARD** D J Pritchard, P A Hollington, W P Davies, J Gorham, J L Diaz de Leon and A Mujeeb-Kazi*. K⁺/Na⁺ discrimination in synthetic hexaploid wheat lines: transfer of the trait for K⁺/Na⁺ discrimination from *Aegilops tauschii* into a *Triticum turgidum* background *Cereal Research Communications* **30** 261-267
With Royal Agricultural College, Cirencester (Glos) GB and University of Wales, Bangor (Wales) GB

- 2002 REEVES** Timothy G Reeves and Kelly Cassaday. History and past achievements of plant breeding *Australian J. Agricultural Research* **53** 851-863
- 2002 REYNOLDS** M P Reynolds, R Trethowan, J Crossa, M Vargas and K D Sayre. Physiological factors associated with genotype by environment interaction in wheat *Field Crops Research* **75** 139-160. A corrected version of this paper was published in *Field Crops Research* **85** 251-274 (2004)
- 2002 RIBAUT** J-M Ribaut, C Jiang and D Hoisington. Simulation experiments on efficiencies of gene introgression by backcrossing *Crop Science* **42** 557-565
- 2002 SHAMUDZARIRA** Z Shamudzarira* and M J Robertson. Simulating response of maize to nitrogen fertilizer in semi-arid Zimbabwe *Experimental Agriculture* **38** 79-96
With CSIRO Tropical, Brisbane (Queensland) AU
- 2002 SMALE** M Smale, M P Reynolds, M Warburton, B Skovmand, R Trethowan, R P Singh, I Ortiz-Monasterio and J Crossa. Dimensions of diversity in modern spring bread wheat in developing countries from 1965 *Crop Science* **42** 1766-1779
- 2002 TRETOWAN** Richard M Trethowan, Maarten van Ginkel and Sanjaya Rajaram. Progress in breeding wheat for yield and adaptation in global drought affected environments *Crop Science* **42** 1441-1446
- 2002 WARBURTON-1** Marilyn L Warburton*, Xia Xianchun*, Jose Crossa*, Jorge Franco, Albrecht E Melchinger, Matthias Frisch, Martin Bohn and David Hoisington*. Genetic characterization of CIMMYT inbred maize lines and open pollinated populations using large scale fingerprinting methods *Crop Science* **42** 1832-1840
With Universität Hohenheim, Stuttgart DE
- 2002 WARBURTON-2** M L Warburton, B Skovmand and A Mujeeb-Kazi. The molecular genetic characterization of the 'Bobwhite' bread wheat family using AFLPs and the effect of the T1BL.1RS transformation *Theoretical and Applied Genetics* **104** 868-873
- 2002 WHITE** Jeffrey W White*, John D Corbett and Achim Dobermann. Insufficient geographic characterization and analysis in the planning, execution and dissemination of agronomic research? *Field Crops Research* **76** 45-54
With Mud Springs Geographers Inc., Temple (Texas) US and University of Nebraska, Lincoln (Nebraska) US
- 2002 WILLCOX** M C Willcox, M M Khairallah, D Bergvinson, J Crossa, J A Deutsch, G O Edmeades, D González-de-León, C Jiang, D C Jewell, J A Mihm, W P Williams and D Hosington. Selection for resistance to southwestern corn borer using marker-assisted and conventional backcrossing *Crop Science* **42** 1516-1528

PART B - RESEARCH COOPERATION WITH NARS

- AR 1973 PARISI** Rubén A Parisi C, Alejandro Ortega C* y Roberto Reyna R. El daño de *Diatraea saccharalis* Fabricius (Lepidóptera: *Pyralidae*) en relación con la densidad de plantas, nivel de fertilidad e híbridos de maíz, en Argentina *Agrociencia (Chapingo MX)* **13** 43-63 AGRIS 75-040943
Con Instituto Nacional de Tecnología Agropecuaria, Pergamino (Buenos Aires) AR y Colegio de Postgraduados, Chapingo MX
- AR 1973 TORRES** Carlos Torres G, Carlos Sosa Moss y Alejandro Ortega C*. Comportamiento de variedades e híbridos de maíz frente al ataque de *Diatraea saccharalis* Fabricius (Lepidóptera: *Pyralidae*) en Argentina *Agrociencia (Chapingo MX)* **13** 31-41 AGRIS 75-040944
Con Instituto Nacional de Tecnología Agropecuaria, Pergamino (Buenos Aires) AR y Colegio de Postgraduados, Chapingo MX
- AR 1984 MOSCARDI** Edgardo Moscardi y Juan Carlos Martínez*. Investigación en producción en campos de agricultores: ideas principales, problemas y oportunidades para su implementación *Desarrollo Rural en las Américas* **16** 105-120 AGRIS 87-009468
Con Secretaría de Agricultura, Buenos Aires AR
- AR 1995 BENÍTEZ** Ignacio Benítez Riquelme, Omar Polidoro y Alfredo Calzolari. Relación entre la biomasa total y el rendimiento de grano en trigo *Revista Fitotecnia Mexicana* **18** 174-187
De Estación Experimental Agropecuaria INTA, Pergamino (Buenos Aires) AR y Colegio de Postgraduados, Montecillo MX
- AR 1997 ABBATE** P E Abbate, F H Andrade, J P Culot, P S Bindraban*. Grain yield in wheat: effects of radiation during spike growth period *Field Crops Research* **54** 245-257
With Unidad Integrada Balcarce, Balcarce (Buenos Aires) AR
-
- BD 1995 MALAKER** P K Malaker and R P Singh*. Characterization of leaf rust resistance in some bread wheats of Bangladesh *Bangladesh J. Plant Pathology* **11** 9-16
With Bangladesh Agricultural Research Institute, Jessore BD
- BD 1996 MORRIS** Michael Morris*, Nuimuddin Chowdhury and Craig Meisner*. Economics of wheat production in Bangladesh *Food Policy* **21** 541-560 AGRIS 97-029988
- BD 1998 TIMSINA** Jagadish Timsina, Upendra Singh, Mohammed Badaruddin and Craig Meisner*. Cultivar, nitrogen, and moisture effects on a rice-wheat sequence: experimentation and simulation *Agronomy J.* **90** 119-130 AGRIS 1998-091250
With International Rice Research Institute IRRI, Manila PH; International Fertilizer Development Center IFDC, Muscle Shoals (Alabama) US; and Wheat Research Centre, Nashipur BD
- BD 1999 BADARUDDIN** Mohamad Badaruddin, Matthew P Reynolds* and Osman A A Ageeb. Wheat management in warm environments: effect of organic and inorganic fertilizers, irrigation frequency, and mulching *Agronomy J.* **91** 975-983
With Bangladesh Agricultural Research Institute, Nashipur BD and Sudan Agricultural Research Corporation, Wad Medani SD
- BD 1999** see also **NP 1999 ADHIKARI**

- BD 2001 TIMSINA** J Timsina, U Singh, M Badaruddin, C Meisner* and M R Amin. Cultivar, nitrogen, and water effects on productivity, and nitrogen-use efficiency and balance for rice-wheat sequences of Bangladesh *Field Crops Research* **72** 143-161
With International Rice Research Institute IRRI, Manila PH and Wheat Research Centre, Nashipur BD
-
- BR 1992 MEHTA** Y R Mehta, C R Riede, L A C Campos and M M Kohli*. Integrated management of major wheat diseases in Brazil: an example for the southern cone region of Latin America *Crop Protection* **11** 517-524 AGRIS 94-087960
With Instituto Agronômico do Paraná, Londrina (Paraná) BR
- BR 1994 CROSSA** J Crossa* and R Vencovsky. Implications of the variance effective population size on the genetic conservation of monoecious species *Theoretical and Applied Genetics* **89** 936-942 AGRIS 97-088985
With Universidade de São Paulo, Piracicaba (São Paulo) BR
- BR 1994 PANDEY** S Pandey*, H Ceballos*, R Magnavaca, A F C Bahía Filho, J Duque-Vargas* and L E Vinasco*. Genetics of tolerance to soil acidity in tropical maize *Crop Science* **34** 1511-1514 AGRIS 96-002608
With Centro Nacional de Pesquisa de Milho e Sorgo EMBRAPA, Sete Lagoas (Minas Gerais) BR
- BR 1994 ROSA** Ottoni de Souza Rosa, Carlos Eduardo de Oliveira Camargo, Sanjaya Rajaram* e Ana Christina Albuquerque Zanatta. Produtividade de trigo (*Triticum aestivum* (L.) Thell.) com tolerancia ao alumínio tóxico no solo *Pesquisa Agropecuária Brasileira* **29** 411-417 AGRIS 95-049940
Com Centro Nacional de Pesquisa de Trigo EMBRAPA, Passo Fundo (Rio Grande do Sul) BR
- BR 1995 BORRERO** J C Borrero*, S Pandey*, H Ceballos*, R Magnavaca and A F C Bahía Filho. Genetic variances for tolerance to soil acidity in a tropical maize population *Maydica* **40** 283-288 AGRIS 96-153188
With Centro Nacional de Pesquisa de Milho e Sorgo EMBRAPA, Sete Lagoas (Minas Gerais) BR
- BR 1997 QUINTANA** Casiano Quintana Carvajal, Fernando Inajá Félix de Carvalho, Rosa Lía Barbieri, Man Mohan Kohli*, Luiz Carlos Federizzi e Marcelo Teixeira Pacheco. Seleção para período de florescimento e estatura de planta e seu efeito no rendimento de grãos de trigo *Pesquisa Agropecuária Brasileira* **32** 1167-1176 AGRIS 1998-113157
Con Universidade Federal do Rio Grande do Sul, Porto Alegre (Rio Grande do Sul) BR
- BR 1997 CARVALHO** C H S Carvalho, N Bohorova*, P N Bordallo, L L Abreu, F H Valicente, W Bressan and E Paiva. Type II callus production and plant regeneration in tropical maize genotypes *Plant Cell Reports* **17** 73-76
With Centro Nacional de Pesquisa de Milho e Sorgo EMBRAPA, Sete Lagoas (Minas Gerais) BR
- BR 1997 CRISTALDO-1** R M de Luján Oviedo de Cristaldo, F Irajá Félix de Carvalho, R L Barbieri, M Mohan Kohli*, A L Cunha Dornelles, C L Handel and F Bered. Response of different subcultures of wheat callus to toxic filtrates of *Helminthosporium sativum* *J. Genetics & Breeding* **51** 39-43 AGRIS 1998-070966
With Universidade Federal do Rio Grande do Sul, Porto Alegre (Rio Grande do Sul) BR
- BR 1997 CRISTALDO-2** Rosa María De Luján Oviedo de Cristaldo, Fernando Irajá Félix De Carvalho, Man Mohan Kohli*, Rosa Lía Barbieri, Luiz Carlos Federizzi, Carlos Pierobom. Relationship between *in vitro* and seedling selection for resistance to spot blotch (*Bipolaris sorokiniana*) in wheat *Pesquisa Agropecuária Gaúcha* **3** 147-152 AGRIS 1999-031689
With Universidade Federal de Pelotas, Capão de Leão (Rio Grande do Sul) BR and Universidade Federal de Rio Grande do Sul, Porto Alegre (Rio Grande do Sul) BR

BR 1997 CROSSA José Crossa* and Roland Vencovsky. Variance effective population size for two-stage sampling of monoecious species *Crop Science* **37** 14-26 AGRIS 97-158994
With Universidade de São Paulo, Piracicaba (São Paulo) BR

BR 1999 CROSSA J Crossa* and R Venkovsky. Sample size and variance effective population size for genetic resources conservation *Plant Genetics Resources Newsletter* **119 (supplement)** 15-25
With Universidade de São Paulo, Piracicaba (São Paulo) BR

BR 1999 VENCOVSKY Roland Vencovsky and José Crossa*. Variance effective population size under mixed self and random mating with applications to genetic conservation of species *Crop Science* **39** 1282-1294
With Universidade de São Paulo, Piracicaba (São Paulo) BR

BR 2000 CAVIEDES Mario Caviedes Cepeda, Cláudio Lopes de Souza Junior, Shivaji Pandey* e Luis Narro Leon*. Efeitos gênicos e oscilação genética associados à seleção recorrente intrapopulacional na população de milho SA3 *Pesquisa Agropecuária Brasileira* **35** 1585-1593 AGRIS 2002-016932
Con Universidade de São Paulo, Piracicaba (São Paulo) BR

CO 1995 PÉREZ-VELÁSQUEZ J C Pérez-Velásquez, H Ceballos*, S Pandey* and C Díaz-Amaris. Analysis of diallel crosses among Colombian landraces and improved populations of maize *Crop Science* **35** 572-578 AGRIS 97-075581
With Federación Nacional de Cultivadores de Cereales FENALCE, Montería and Instituto Colombiano Agropecuario ICA, Medellín CO

CO 1996 URREA-GÓMEZ R Urrea-Gómez, Hernán Ceballos*, Shivaji Pandey*, Antonio F C Bahía Filho and Luis A León*. A greenhouse screening technique for acid soil tolerance in maize *Agronomy J.* **88** 806-812 AGRIS 97-144469
With Federación Nacional de Cultivadores de Cereales FENALCE, Montería CO and Centro Nacional de Pesquisa de Milho e Sorgo EMBRAPA, Sete Lagoas (Minas Gerais) BR

CO 1997 SALAZAR F S Salazar*, S Pandey*, L Narro*, J C Perez*, H Ceballos, S N Parentoni and AFC Bahia Filho. Diallel analysis of acid-soil tolerant and intolerant tropical maize populations *Crop Science* **37** 1457-1462 AGRIS 1998-081696
With Universidad Nacional de Colombia, Palmira (Valle) CO and Centro Nacional de Pesquisa de Milho e Sorgo EMBRAPA, Sete Lagoas (Minas Gerais) BR

CN 1994 LI Li Xingpu, V I Villareal*, S Rajaram* and E Toro*. The correlation between agronomic characters in different wheat Rht gene varieties [in Chinese, English abstract] *J. Hebei Agrotechnical Teachers College* **8** (2) 14-19
With Institute of Cereal and Oil Crops, Shijiazhuang (Hebei) CN

CN 2000 YUAN Yuan Li-Xing, Fu Jun-Hua, M Warburton*, Li Xin-Hai, Zhang Shi-Huang, M Khairallah*, Liu Xin-Zhi, Peng Ze-Bin, Li Lian-Cheng. Comparison of genetic diversity among maize inbred lines based on RFLPs, SSRs, AFLPs and RAPDs [in Chinese, English abstract] *Acta Genetica Sinica* **27** 725-733
With Chinese Academy of Agricultural Sciences CAAS, Beijing CN

CN 2001 YAN Yan Jun, Zhang Yong and He Zhong-hu*. Investigation on paste property of Chinese wheat [in Chinese, English abstract] *Scientia Agricultura Sinica* **34** 9-13 AGRIS 2001-031294.
For complete English translation, see **CN 2002 YAN**
With Chinese Academy of Agricultural Sciences CAAS, Beijing CN

- CN 2001 YUAN** Yuan Li-Xing, Fu Jun-Hua, Zhang Shi-Huang, Liu Xin-Zhi, Peng Ze-Bin, Li Xin-Hai, M Warburton* and M Khairallah*. Heterotic grouping of maize inbred lines using RFLP and SSR markers [in Chinese, English abstract] *Acta Agronomica Sinica* **27** 149-156
With Chinese Academy of Agricultural Sciences CAAS and Ministry of Agriculture, Beijing CN
- CN 2002 LIU** Liu Jian-Jun, He Zhong-Hu*, Zhao Zhen-Dong, Liu Ai-Feng, Song Jian-Min and R J Pena*. Investigation on relation ship between wheat quality traits and quality parameters of dry white Chinese noodles [in Chinese, English abstract] *Acta Agronomica Sinica* **28** 738-742
With Shandong Academy of Agricultural Sciences, Jinan (Shandong) CN and Chinese Academy of Agricultural Sciences CAAS, Beijing CN
- CN 2002 YAN** Yan Jun, Zhang Yong and He Zhong-hu*. Investigation of paste property of Chinese bread wheat varieties *Agricultural Sciences in China* **1** 45-49. For original Chinese text, see **CN 2001 YAN**
With Chinese Academy of Agricultural Sciences CAAS, Beijing CN
- CN 2002 ZHANG-FL** Zhang Feng-Lu and S N Mugo*. The effects of divergent selection for root capacitance in maize [in Chinese, English abstract] *Acta Agronomica Sinica* **28** 561-563
With Agricultural University of Hebei, Baoding (Hebei) CN
- CN 2002 ZHANG-Y** Zhang Yong and He Zhong-hu*. Investigation of pasting characteristics of spring-sown Chinese bread wheats *Agricultural Sciences in China* **1** 720-724
With Chinese Academy of Agricultural Sciences CAAS, Beijing CN
- CN 2002 ZHOU** Zhou Yan-hua, He Zhong-hu*, Yan Jun, Zhang Yan, Wang De-sen and Zhou Gui-ying. Distribution of grain hardness in Chinese wheat and genetic analysis [in Chinese, English abstract] *Scientia Agricultura Sinica* **35** 1177-1185
With Chinese Academy of Agricultural Sciences CAAS, Beijing CN
-
- CU 1996 IGLESIAS** L A Iglesias, Katuska Romero, Lucy Gilchrist* and A Mujeeb-Kazi*. Estudio preliminar de las plagas y enfermedades que pueden constituir un peligro para el cultivo del trigo (*Triticum aestivum* L.) en Cuba *Cultivos Tropicales* **17** 75-78 AGRIS 97-019516
Con Estación Experimental del Arroz "Los Palacios", La Habana CU
-
- DO 1990 PIERRE** R Pierre, A Robles, R Celado, W R Raun* and H J Barreto*. Maize yield response to sulphur and phosphorus applied under different tillage systems in the Dominican Republic *Sulphur in Agriculture* **14** 16-19
With Centro Sur de Desarrollo Agropecuario CESDA, San Cristobal DO
-
- EC 1989 BYERLEE** Derek Byerlee. Bread and butter issues in Ecuadorian food policy: a comparative advantage approach *World Development* **17** 1585-1596 AGRIS 91-000640
With Instituto Nacional de Investigaciones Agropecuarias, Quito EC
- EC 1996 BROERS** L H M Broers*, X Cuesta Subías and R M López Atilano*. Field assessment of quantitative resistance to yellow rust in ten spring bread wheat cultivars *Euphytica* **90** 9-16 AGRIS 97-018342
With Instituto Nacional de Investigaciones Agropecuarias, Quito EC
-
- EG 1975 SHEHATA** A H Shehata and N L Dhawan. Genetic analysis of grain yield in maize as manifested in genetically diverse varietal populations and their crosses *Egyptian J. Genetics and Cytology* **4** 90-116
With Institute of Crop Research, Giza EG
-

- ET 1990 AYELE** Ayele Badebo, Ron W Stubbs, Maarten van Ginkel* and Getinet Gebeyehu. Identification of resistance genes to *Puccinia striiformis* in seedlings of Ethiopian and CIMMYT bread wheat varieties and lines *Netherlands J. Plant Pathology* **96** 199-210 AGRIS 91-033827
With Kulumsa Research Center IAR, Asella ET, Holletta Research Center IAR, Holletta ET and Research Institute for Plant Protection IPO, Wageningen NL
- ET 1992 WORKNEH** Workneh Negatu, Wilfred Mwangi* and Tesfaye Tesemma. Farmers' varietal preferences for durum wheat in Ada, Lume and Gimbichu woredas *Ethiopian J. Agricultural Science* **13** 88-100 AGRIS 95-061926
With Alemaya University of Agriculture, Debre Zeit ET
- ET 1993 TANNER-1** D G Tanner*, Amanuel Gorfu and Asefa Taa. Fertiliser effects on sustainability in the wheat-based small-holder farming systems of southeastern Ethiopia *Field Crops Research* **33** 235-248 AGRIS 93-063770
With Kulumsa Research Centre IAR, Asela ET
- ET 1993 TANNER-2** D G Tanner*, Giref Sahile and Dereje Dejene. Potential benefits of herbicidal weed control for bread wheat production in the peasant farming systems of south-eastern Ethiopia *Tropical Agriculture* **70** 260-266 AGRIS 96-158147
With Institute of Agricultural Research IAR, Addis Ababa ET
- ET 1994 AMSAL** Amsal Tarekegne, D G Tanner* and Getinet Gebeyehu. Effects of genetic improvement on morpho-physiological characters related to grain yield of bread wheat in Ethiopia *African Crop Science J.* **2** 247-255
With Institute of Agricultural Research IAR, Addis Ababa ET
- ET 1994 FASIL** Fasil Reda, L G Butler, Gebisa Ejeta and J K Ransom*. Screening of maize genotypes for low *Striga asiatica* stimulant production using the 'agar gel technique' *African Crop Science J.* **2** 173-177 AGRIS 95-156386
With Institute of Agricultural Research IAR, Addis Ababa ET and Purdue University, West Lafayette (Indiana) US
- ET 1994 TANNER** D G Tanner*, Zewdu Yilma, Lemma Zewdie and Girmay Gebru. Potential for cereal-based double cropping in Bale region of southeastern Ethiopia *African Crop Science J.* **2** 135-143 AGRIS 95-151236
With Sinana Research Centre, Robe (Bale) ET
- ET 1994 ZEWDU** Zewdu Yilma and Douglas G Tanner*. Response of bread wheat to rate and timing of nitrogen application in a marginal rainfall zone in Ethiopia *African Crop Science J.* **2** 291-299
With Sinana Research Centre, Robe (Bale) ET
- ET 1995 AMSAL-1** Amsal Tarekegne, D G Tanner* and Getinet Gebeyehu. Improvement in yield of bread wheat cultivars released in Ethiopia from 1949 to 1987 *African Crop Science J.* **3** 41-49
With Institute of Agricultural Research, Addis Ababa ET
- ET 1995 AMSAL-2** Amsal Tarekegne, D G Tanner*, Tesfaye Tesemma and Getinet Gebeyehu. Improvement of durum wheat yield and associated effects on morpho-physiological characters *African Crop Science J.* **3** 433-442
With Institute of Agricultural Research, Addis Ababa and Debre Zeit Agricultural Research Centre, Debre Zeit ET
- ET 1995 ASMARE** Asmare Yallew, D G Tanner*, Regassa Ensermu and Alemu Haile. On-farm evaluation of alternative bread wheat production technologies in northwestern Ethiopia *African Crop Science J.* **3** 443-449
With Adet Research Centre, Bahir Dar and Kulumsa Research Centre, Asela ET

- ET 1995 SOLOMON** Solomon Assefa, Bekele Geleta and D G Tanner*. Yield stability analysis of nine spring bread wheat genotypes in the central highlands of Ethiopia *African Crop Science J.* **3** 35-40
With Institute of Agricultural Research IAR, Addis Ababa ET
- ET 1995 TANNER** D G Tanner*, Giref Sahile and Workiyeh Tilahun. Competitive ability of Ethiopian spring bread wheat cultivars with *Avena fatua* L. *African Crop Science J.* **3** 83-91
With Kulumsa Research Centre, Asella ET
- ET 1995 TILAHUN** Tilahun Geleto, D G Tanner*, Tekalign Mamo and Getinet Gebeyehu. Response of rainfed bread and durum wheat to source, level, and timing of nitrogen fertilizer on two Ethiopian vertisols: I. Yield and yield components *Communications in Soil Science and Plant Analysis* **26** 1773-1794 AGRIS 96-052162
With Sinana Research Center, Robe (Bale); Debre Zeit Agricultural Research Center, Debre Zeit; and Institute of Agricultural Research, Addis Ababa ET
- ET 1996 TAYE-1** Taye Tessema, D G Tanner* and Mengistu Hulluka. Grass weed competition with bread wheat in Ethiopia: I. Effects on selected crop and weed vegetative parameters and yield components *African Crop Science J.* **4** 399-409
With Institute of Agricultural Research, Ambo and Alemaya University of Agriculture, Alemaya ET
- ET 1996 TAYE-2** Taye Tessema, D G Tanner* and Mohamed Hassena. Grass weed competition with bread wheat in Ethiopia: II. Prediction of grain yield loss and implications for economic weed control *African Crop Science J.* **4** 411-421
With Institute of Agricultural Research, Ambo and Asella ET
- ET 1996 TILAHUN** Tilahun Geleto, D G Tanner*, Tekalign Mamo and Getinet Gebeyehu. Response of rainfed bread and durum wheat to source, level and timing of nitrogen fertilizer on two Ethiopian vertisols: II. N uptake, recovery and efficiency *Fertilizer Research* **44** 195-204 AGRIS 97-074494
With Sinana Research Center, Robe (Bale); Debre Zeit Agricultural Research Center, Debre Zeit; and Institute of Agricultural Research, Addis Ababa ET
- ET 1997 AMSAL** Amsal Tarekegne, D G Tanner*, Amanuel Gorfu, Tilahun Geleto and Zewdu Yilma. The effects of several crop management factors on bread wheat yields in the Ethiopian highlands *African Crop Science J.* **5** 161-174
With Institute of Agricultural Research, Addis Ababa; Sinana Research Centre, Robe (Bale); and Sheno Research Centre, Sheno (Shewa) ET
- ET 1997 ASEFA-1** Asefa Taa, D G Tanner*, Kefyalew Girma and Amanuel Gorfu. Grain yield of barley as affected by cropping sequence and fertilizer application in southeastern Ethiopia *African Crop Science J.* **5** 135-146
With Kulumsa Research Centre, Asella ET
- ET 1997 ASEFA-2** Asefa Taa, D G Tanner*, Kefyalew Girma and Amanuel Gorfu. Grain yield of wheat as affected by cropping sequence and fertilizer application in southeastern Ethiopia *African Crop Science J.* **5** 147-159
With Kulumsa Research Centre, Asella ET
- ET 1997 ASEFA-3** Asefa Taa, D G Tanner*, Melesse Temesgen and Kefyalew Girma. On-farm evaluation of an animal-drawn implement developed in Ethiopia for row placement of wheat seed and basal fertiliser *African Crop Science J.* **5** 359-369
With Kulumsa Research Centre, Asella ET

- ET 1997 ASFAW** Asfaw Negassa, Kisan Gunjal, Wilfred Mwangi* and Beyene Seboka. Factors affecting the adoption of maize production technologies in Bako area, Ethiopia *Ethiopian J. Agricultural Economics* **1** (2) 52-73 AGRIS 97-126943
With Institute of Agricultural Research, Addis Ababa ET
- ET 1997 TAYE** Taye Tessema and D G Tanner*. Grass weed competition and calculated economic threshold densities in bread wheat in Ethiopia *African Crop Science J.* **5** 371-384
With Plant Protection Research Centre, Ambo ET
- ET 1999 BELAY** Belay Simane, D G Tanner*, Amsal Tarekegne and Asefa Taa. Agro-ecological decision support systems for wheat improvement in Ethiopia: climatic characterisation and clustering of wheat growing regions *African Crop Science J.* **7** 9-19
With Alemaya University of Agriculture, Dire Dawa ET; Holetta Research Centre EARO, Addis Ababa ET; and Kulumsa Research Centre EARO, Asella ET
- ET 1999 SELAMYIHUN** Selamyihun Kidanu, D G Tanner* and Tekalign Mamo. Effect of nitrogen fertiliser applied to tef on the yield and N response of succeeding tef and durum wheat on a highland vertisol *African Crop Science J.* **7** 35-46
With Debre Zeit Agricultural Research Centre, Debre Zeit ET
- ET 2000 AMANUEL** G Amanuel, R F Kühne, D G Tanner* and P L G Vlek. Biological nitrogen fixation in faba bean (*Vicia faba* L.) in the Ethiopian highlands as affected by P fertilization and inoculation *Biology and Fertility of Soils* **32** 353-359
With Kulumsa Research Center EARO, Asella ET and Universität Göttingen, Göttingen DE
- ET 2000 ESILABA** A O Esilaba, F Reda, J K Ransom*, Wondimu Bayu, Gebremehdin Woldewahid and Beyenesh Zemichael. Integrated nutrient management strategies for soil fertility improvement and *Striga* control in northern Ethiopia *African Crop Science J.* **8** 403-410
With Ethiopian Agricultural Research Institute EARO, Addis Ababa ET
- ET 2000 GIRMA** Girma Taye, Amsal Tarekegne and D G Tanner*. Estimation of optimum plot dimensions and replication number for wheat experimentation in Ethiopia *African Crop Science J.* **8** 11-23
With Ethiopian Agricultural Research Organisation EARO, Addis Ababa ET
- ET 2000 SELAMYIHUN** Selamyihun Kidanu, D G Tanner* and Tekalign Mamo. Residual effects of nitrogen fertiliser on the yield and N composition of succeeding cereal crops and on soil chemical properties of an Ethiopian highland Vertisol *Canadian J. Soil Science* **80** 63-69
With Debre Zeit Agricultural Research Centre, Debre Zeit ET
- ET 2001 AMSAL** Amsal Tarekegne and Douglas Tanner*. Effects of fertilizer application on N and P uptake, recovery and use efficiency of bread wheat grown on two soil types in central Ethiopia *Ethiopian J. Natural Resources* **3** 219-244
With Holetta Research Center, Addis Ababa ET
- ET 2001 ASEFA** Asefa Taa, D G Tanner* and A T P Bennie. Effects of stubble management, tillage and cropping sequence on wheat crop performance in Ethiopia: II. Changes in soil penetration resistance *Ethiopian J. Natural Resources* **3** 39-59
With Kulumsa Research Centre EARO, Asella ET and University of the Free State, Bloemfontein ZA
- ET 2001 MINALE** Minale Liben, Douglas Tanner*, Alemayehu Assefa and Tilahun Tadesse. Cropping sequence and fertilizer effects on yield and profitability in a wheat-based crop rotation trial in north-western Ethiopia *Ethiopian J. Natural Resources* **3** 195-218
With Adet Research Center, Bahir Dar ET

ET 2002 ASEFA-1 Asefa Taa, D G Tanner* and A T P Bennie. Effect of stubble management, tillage and cropping sequence on the severity of take-all and eyespot diseases of wheat *African Crop Science J.* **10** 67-79

With Kulumsa Research Centre EARO, Asella ET and University of the Free State, Bloemfontein ZA

ET 2002 ASEFA-2 Asefa Taa, D Tanner* and A T P Bennie. Effects of wheat straw on wheat seedling growth, development and nutrient content *Ethiopian J. Natural Resources* **4** 1-20

With Kulumsa Research Centre EARO, Asella ET and University of the Free State, Bloemfontein ZA

ET 2002 EFREM Efreem Bechere, R J Peña* and Demisse Mitiku. Glutenin composition, quality characteristics, and agronomic attributes of durum wheat cultivars released in Ethiopia *African Crop Science J.* **10** 173-182

With Debre Zeit Agricultural Research Center EARO, Debre Zeit ET

ID 1981 MONTGOMERY Roger Montgomery. Maize yield increases in East Java *Bull. Indonesian Economic Studies* **27** (3) 74-85

With Central Research Institute for Agriculture, Bogor and Malang ID

IL 1983 EYAL Z Eyal, I Wahl and J M Prescott*. Evaluation of germplasm response to *Septoria* leaf blotch of wheat *Euphytica* **32** 439-446 AGRIS 84-042640

With Tel-Aviv University, Tel Aviv IL

IL 1983 YECHILEVICH-AUSTER Meira Yechilevich-Auster, Edna Levi and Z Eyal. Assessment of interactions between cultivated and wild wheats and *Septoria tritici* *Phytopathology* **73** 1077-1083 AGRIS 84-071305

From Tel Aviv University, Tel Aviv IL

IL 1990 DANON T Danon and Z Eyal. Inheritance of resistance to two *Septoria tritici* isolates in spring and winter bread wheat cultivars *Euphytica* **47** 203-214 AGRIS 90-072332

From Tel-Aviv University, Tel Aviv IL

IL 1991 ZELIKOVITCH Noga Zelikovitch and Z Eyal. Reduction in pycnidial coverage after inoculation of wheat with mixtures of isolates of *Septoria tritici* *Plant Disease* **75** 907-910 AGRIS 93-066172

From Tel-Aviv University, Tel Aviv IL

IL 1992 EYAL Z Eyal. The response of field-inoculated wheat cultivars to mixtures of *Septoria tritici* isolates *Euphytica* **61** 25-35 AGRIS 93-002928

From Tel-Aviv University, Tel Aviv IL

IL 1992 ZELIKOVITCH Noga Zelikovitch, Z Eyal and Y Kashman. Isolation, purification and biological activity of an inhibitor from *Septoria tritici* *Phytopathology* **82** 275-278 AGRIS 92-116661

From Tel-Aviv University, Tel Aviv IL and Institute for Plant Protection IPO, Wageningen NL

IL 1993 COHEN L Cohen and Z Eyal. The histology of processes associated with the infection of resistant and susceptible wheat cultivars with *Septoria tritici* *Plant Pathology* **42** 737-743 AGRIS 96-109768

From Tel-Aviv University, Tel Aviv IL

IL 1996 GRESSEL J Gressel, L Segel and J K Ransom*. Managing the delay of evolution of herbicide resistance in parasitic weeds *International J. Pest Management* **42** 113-129 AGRIS 97-006048

With Weizmann Institute of Science, Rehovot IL

- IL 2001 KANAMPIU** Fred K Kanampiu*, Joel K Ransom* and Jonathan Gressel. Imazapyr seed dressings for *Striga* control on acetolactate synthase target-site resistant maize *Crop Protection* **20** 885-895
With Weizmann Institute of Science, Rehovot IL
- IL 2002 KANAMPIU-1** Fred K Kanampiu*, Joel K Ransom*, Dennis Friesen* and Jonathan Gressel. Imazapyr and pyriithiobac movement in soil and from maize seed coats to control *Striga* in legume intercropping *Crop Protection* **21** 611-619
With Weizmann Institute of Science, Rehovot IL
- IL 2002 KANAMPIU-2** Fred K Kanampiu*, Dennis Friesen* and Jonathan Gressel. CIMMYT collaborative efforts unveils herbicide-coated maize seed technology to curb problematic *Striga* *Integrated Pest Management Reviews* **7** 63-64
With Weizmann Institute of Science, Rehovot IL
- IL 2002 KANAMPIU-3** Fred Kanampiu*, Joel Ransom*, Jonathan Gressel, David Jewell*, Dennis Friesen*, Daniel Grimanelli and David Hoisington*. Appropriateness of biotechnology to African agriculture: *Striga* and maize as paradigms *Plant Cell, Tissue and Organ Culture* **69** 105-110
With Weizmann Institute of Science, Rehovot IL
-
- IN 1977 NAGARAJAN** S Nagarajan, H Singh, L M Joshi and E E Saari*. Prediction of *Puccinia graminis* f. sp. *tritici* on wheat in India by trapping the uredospores in rain samples *Phytoparasitica* **5** 104-108
With Indian Agricultural Research Institute, New Delhi and University of Delhi, Delhi IN
- IN 1980 BIGGS** Stephen D Biggs. On-farm research in an integrated agricultural technology development system: case study of triticale for the Himalayan hills *Agricultural Administration* **7** 133-145
With G.B. Pant University of Agriculture and Technology, Pantnagar (Uttar Pradesh) IN
- IN 1980 NAGARAJAN** S Nagarajan, S K Sinha, L M Joshi and E E Saari*. Interaction between kernel filling in wheat and leaf rust infection in North India *Z. Pflanzenkrankheiten und Pflanzenschutz* **87** 221-226 AGRIS 82-734460
With Indian Agricultural Research Institute, New Delhi IN
- IN 1989 BHAT** S Shankara Bhat, P S Bhavanishankara Gowda, M R Bonde and B L Renfro*. Nuclei in conidia of *Peronosclerospora sorghi* from different geographic areas *Indian Phytopathology* **42** 544-548
With University of Mysore, Mysore (Karnataka) IN
- IN 1990 SINGH** A J Singh and D Byerlee*. Relative variability in wheat yields across countries and over time *J. Agricultural Economics* **41** 21-32 AGRIS 91-057993
With Punjab Agricultural University, Ludhiana (Punjab) IN
- IN 1993 DHILLON** B S Dhillon, G Granados R* and A S Khehra. Recurrent selection for intrapopulation improvement for insect resistance *Cereal Research Communications* **21** 331-335
With Punjab Agricultural University, Ludhiana (Punjab) IN
- IN 1993 SHARMA** R C Sharma, Carlos De Leon* and M M Payak. Diseases of maize in south and south-east Asia: problems and progress *Crop Protection* **12** 414-422 AGRIS 96-041890
With Indian Agricultural Research Institute and National Bureau of Plant Genetic Resources, New Delhi IN

- IN 1994 ORTIZ-MONASTERIO** J I Ortiz-Monasterio R*, S S Dhillon and R A Fischer*. Date of sowing effects on grain yield and yield components of irrigated spring wheat cultivars and relationships with radiation and temperature in Ludhiana, India *Field Crops Research* **37** 169-184
AGRIS 95-075247
With Punjab Agricultural University, Ludhiana (Punjab) IN
- IN 1998 MORRIS** Michael L Morris, R P Singh, Suresh Pal. India's maize seed industry in transition: changing roles for the public and private sectors *Food Policy* **23** 55-71 AGRIS 1998-111377
With Indian Agricultural Research Institute, New Delhi IN
- IN 1999 PANWAR** V P S Panwar, N N Singh, S K Vasal* and David Bergvinson*. Evaluation of insect and disease resistant subtropical maize germplasm for resistance to Asian corn borer, *Chilo partellus* (Swinhoe) *Annals of Agricultural Research* **20** 418-422
With Indian Agricultural Research Institute IARI, New Delhi IN
- IN 2000 SINGH** Amita Singh, U S Singh, Vineeta Singh, R S Zeigler, J E Hill, V P Singh, E Duveiller*, P Sta Cruz and M Holderness. *Rhizoctonia solani* in rice-wheat system *J. Mycology and Plant Pathology* **30** 343-349 AGRIS 2002-002907
With G B Pant University of Agriculture & Technology, Pantnagar (Uttar Pradesh) IN; Kansas State University, Manhattan (Kansas) US; International Rice Research Institute IRRI, Los Baños PH; and CABI Bioscience, Egham (Surrey) GB
- IN 2001 PANWAR** V P S Panwar, N N Singh, S K Vasal* and David Bergvinson*. Resistance of exotic germplasm to the Asian maize stalk borer, *Chilo partellus* (Swinhoe) *Indian J. Genetics and Plant Breeding* **61** 356-357
With Indian Agricultural Research Institute IARI, New Delhi IN
- IN 2001 PRASANNA** B M Prasanna, S K Vasal*, B Kassahun and N N Singh. Quality protein maize *Current Science* **81** 1308-1319
With Indian Agricultural Research Institute IARI, New Delhi and Jima College of Agriculture, Jima ET
- IN 2002 BELLINDER** R R Bellinder, A J Miller, R K Malik, J D Ranjit, P R Hobbs*, L S Brar, G Singh, S Singh and A Yadav. Improving herbicide application accuracy in South Asia *Weed Technology* **16** 845-850
With Haryana Agricultural University, Hisar (Haryana) IN; Punjab Agricultural University, Ludhiana (Punjab) IN; G B Pant Agricultural University, Pantnagar (Uttar Pradesh) IN; Nepal Agricultural Research Council, Lalitpur NP; and Cornell University, Ithaca (New York) US
- IN 2002 CHAND** R Chand, H V Singh, A K Joshi and E Duveiller*. Physiological and morphological aspects of *Bipolaris sorokiniana* conidia surviving on wheat straw *Plant Pathology J.* **18** 328-332
With Banaras Hindu University, Varanasi (Uttar Pradesh) IN
- IN 2002 DHALIWAL** H S Dhaliwal, Harjit-Singh and M William*. Transfer of rust resistance from *Aegilops ovata* into bread wheat (*Triticum aestivum* L.) and molecular characterisation of resistant derivatives *Euphytica* **126** 153-159
With Punjab Agricultural University, Ludhiana (Punjab) IN
- IN 2002 SINGH** Amita Singh, Rashmi Rohilla, U S Singh, S Savary, L Willocquet and E Duveiller*. An improved inoculation technique for sheath blight of rice caused by *Rhizoctonia solani* *Canadian J. Plant Pathology* **24** 65-68
With G B Pant University of Agriculture & Technology, Pantnagar (Uttar Pradesh) IN and International Rice Research Institute IRRI, Los Baños, Laguna PH
- IN 2002 TRIPATHI** S C Tripathi, K D Sayre*, J N Kaul and R S Narang. Effect of planting methods and N rates on lodging, morphological characters of culm and yield in spring wheat varieties *Cereal Research Communications* **30** 431-438
With Punjab Agricultural University, Ludhiana (Punjab) IN

- IR 2002 AYENEH** A Ayeneh, M van Ginkel*, M P Reynolds* and K Ammar*. Comparison of leaf, spike, peduncle and canopy temperature depression in wheat under heat stress *Field Crops Research* **79** 173-184
With Seed and Plant Improvement Institute, Karaj IR
-
- KE 1984 FRANZEL** Steven C Franzel. Modeling farmers' decisions in a farming systems research exercise: the adoption of an improved maize variety in Kirinyaga District, Kenya *Human Organization* **43** 199-207
With Ministry of Agriculture KE and Michigan State University, East Lansing (Michigan) US
- KE 1992 FRANZEL** Steven Franzel. Extension agent surveys for defining recommendation domains: a case study from Kenya *J. Farming Systems Research-Extension* **3** 71-86 AGRIS 94-021065
With Ministry of Agriculture KE
- KE 1993 ODHIAMBO** G D Odhiambo and J K Ransom*. Effect of dicamba on the control of *Striga hermonthica* in maize in western Kenya *African Crop Science J.* **1** 105-110
With National Sugar Research Centre - Kibos, Kisumu KE
- KE 1994 SAHA** H M Saha, E N Gacheru, G M Kamau, M K O'Neill and J K Ransom*. Effect of nitrogen and plant density on the performance of Pwani Hybrid I maize *African Crop Science J.* **2** 63-67
With Kenya Agricultural Research Institute, Kikambala and International Center for Research in Agroforestry ICRAF, Embu KE
- KE 1995 RANSOM** Joel K Ransom* and George D Odhiambo. Effect of corn (*Zea mays*) genotypes which vary in maturity length on *Striga hermonthica* parasitism *Weed Technology* **9** 63-67
AGRIS 97-106349
With Kenya Agricultural Research Institute, Kisumu KE
- KE 1996 HASSAN** Rashid M Hassan*. Planting strategies of maize farmers in Kenya: a simultaneous equations analysis in the presence of discrete dependent variables *Agricultural Economics* **15** 137-149 AGRIS 97-127085
- KE 1998 ABAYO** Gordon O Abayo, Terry English, Robert E Eplee, Fred K Kanampiu*, Joel K Ransom* and Jonathan Gressel. Control of parasitic witchweeds (*Striga* spp.) on corn (*Zea mays*) resistant to acetolactate synthase inhibitors *Weed Science* **46** 459-466 AGRIS 1999-052946
With Kibos Experiment Station KARI, Kisumu KE; Oxford Plant Protection Center USDA, Oxford (North Carolina) US; and Weizmann Institute of Science, Rehovot IL
- KE 2001 OSWALD-1** A Oswald and J K Ransom*. *Striga* control and improved farm productivity by using crop rotation *Crop Protection* **20** 113-120
With Universität Kassel, Witzenhausen DE
- KE 2001 OSWALD-2** Andreas Oswald, Joel K Ransom*, Jürgen Kroschel and Joachim Sauerborn. Transplanting maize and sorghum reduces *Striga hermonthica* damage *Weed Science* **49** 346-353
With Universität Kassel, Witzenhausen DE and Universität Hohenheim, Stuttgart DE
- KE 2002 DE GROOTE** Hugo de Groote. Maize yield losses from stemborers in Kenya *Insect Science and its Applications* **22** 89-96
- KE 2002 OSWALD** A Oswald, J K Ransom*, J Kroschel and J Sauerborn. Intercropping controls *Striga* in maize based farming systems *Crop Protection* **21** 367-374
With Universität Kassel, Witzenhausen DE and Universität Hohenheim, Stuttgart DE
-

KZ 2000 MENG Erika Meng*, Jim Longmire and Altynbeck Moldashev. Kazakhstan's wheat system: priorities, constraints, and future prospects *Food Policy* **25** 701-717
With University of Southern Queensland, Toowoomba (Queensland) AU and Scientific Research Institute of Agricultural Economics, Almaty KZ

MA 1992 JLIBENE Mohammed Jlibene, J P Gustafson and S Rajaram*. A field disease evaluation method for selecting wheats resistant to *Mycosphaerella graminicola* *Plant Breeding* **108** 26-32
AGRIS 94-064914
With Aridoculture Center, Settat MA and University of Missouri, Columbia (Missouri) US

MA 1994 JLIBENE M Jlibene, J P Gustafson and S Rajaram*. Inheritance of resistance to *Mycosphaerella graminicola* in hexaploid wheat *Plant Breeding* **112** 301-310 AGRIS 95-111379
With Aridoculture Center, Settat MA and University of Missouri, Columbia (Missouri) US

MA 1997 MERGOUM M Mergoum, N Nsarellah and M Nachit*. Evaluation of durum wheat germplasm resistance to root and foot rot disease complex (*Fusarium culmorum* and *Cochliobolus sativus*) in Morocco *Plant Genetic Resources Newsletter* **109** 11-14 AGRIS 1998-031634
With Centre Aridoculture INRA, Settat MA

MA 1999 EL BOUHSSINI El Bouhssini, M N Nsarellah, M M Nachit*, A Bentika, O Benlahbib and S Lhaloui. First source of resistance in durum wheat to Hessian fly (Diptera: Cecidomyiidae) *Genetic Resources and Crop Evolution* **46** 107-109 AGRIS 1999-060895
With Institut National de la Recherche Agronomique INRA, Settat MA; Institut Agronomique et Veterinaire IAV Hassan II, Rabat MA; and International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY

MX 1968 CASAS Eduardo Casas Díaz y Edwin J Wellhausen*. Diversidad genética y heterosis *Fitotecnia Latinoamericana* **5** 53-61
Con Escuela Nacional de Agricultura, Chapingo MX

MX 1969 HEWSTONE Cristian Hewstone Martínez, Aristeo Acosta Carreón y Bill J Roberts*. Herencia de resistencia a *Puccinia striiformis* en trigo bajo condiciones de campo en la mesa central de México *Agrociencia (Chapingo MX)* **4** 1-16
Con Colegio de Postgraduados, Chapingo MX

MX 1969 MAYA José Luis Maya de León*, Aristeo Acosta Carreón y Salvador Miranda Colín. Poliploidización inducida del híbrido intergenérico entre *Triticum vulgare*, Vil., *Triticum durum*, Desf., con *Secale cereale*, L. *Agrociencia (Chapingo MX)* **4** 17-28
Con Colegio de Postgraduados, Chapingo MX

MX 1969 POEY Federico R Poey. Efectos de los genes Opaco-2 y Harinoso-2 en el contenido de proteína y triptofano del endospermo de maíces tropicales *Agrociencia (Chapingo MX)* **4** 67-78
De Colegio de Postgraduados, Chapingo MX y Semillas Mejoradas de México SA, México DF, MX

MX 1970 HERNÁNDEZ Efraím Hernández X y Glafiro Alanís Flores. Estudio morfológico de cinco nuevas razas de maíz de la Sierra Madre Occidental de México: implicaciones filogenéticas y fitogeográficas *Agrociencia (Chapingo MX)* **5** 3-30 (para los reconocimientos al CIMMYT, ver p5)
De Colegio de Postgraduados, Chapingo y Universidad de Nuevo León MX

MX 1971 SHIMADA-1 Armando S Shimada, Carlos Peraza C, Fernando Cabello F y Leonel Martínez R. Digestibilidad aparente de los maíces *Opaco-2*, *Harinoso-2* y común para el cerdo en crecimiento *Técnica Pecuaria en México* **15-16** 27-30
De Instituto Nacional de Investigaciones Pecuarias, México DF, MX

- MX 1971 SHIMADA-2** Armando S Shimada, Humberto Truncoso A, Luis Angel De Uriarte y Rubén Rodríguez G. Estudio preliminar sobre el valor nutritivo de triticale-composición proximal, aminoácidos esenciales y valor alimenticio para el cerdo en finalización *Técnica Pecuaria en México* **17** 54-57
De Instituto Nacional de Investigaciones Pecuarias, México DF, MX
- MX 1971 SHIMADA-3** A S Shimada, L Martínez R and F O Bravo. Studies on the nutritive value of *triticale* for growing swine *J. Animal Science* **33** 1266-1268
From Instituto Nacional de Investigaciones Pecuarias, Mexico DF, MX
- MX 1971 VÁSQUEZ** Arturo Vásquez S, Gregorio Martínez V* and Richard D Powers. Circulars for informing poorly literate farmers *Journalism Quarterly* **48** 535-538
With Escuela Nacional de Agricultura, Chapingo MX
- MX 1972 BERARDO** Angel Berardo D A, Antonio Turrent F* y Roberto Núñez E. Estudio empírico de la contribución de algunos modelos y matrices experimentales sobre el sesgo al aproximar superficies de respuesta con dos factores *Agrociencia (Chapingo MX)* **7** 125-147
Con Colegio de Postgraduados, Chapingo MX
- MX 1972 MENDOZA** José E Mendoza Panizo, S Rajaram* y L I de Bauer. Resistencia específica y general a *Puccinia graminis* f. sp. *tritici* en algunas variedades de trigo *Agrociencia (Chapingo MX)* **9** 107-118
Con Colegio de Postgraduados, Chapingo MX
- MX 1972 VILLACIS-1** José Villacis S, Carlos Sosa M y Alejandro Ortega C. Efectos nutricionales y reproductivos de 5 tipos de maíz en el desarrollo de *Sitophilus zeamais* Motschulsky (Coleoptera: Curculionidae) *Revista Peruana de Entomología* **15** 147-152
De Colegio de Postgraduados, Chapingo MX
- MX 1972 VILLACIS-2** José Villacis S, Carlos Sosa M y Alejandro Ortega C. Comportamiento de *Sitotroga cerealella* Olivier (Lepid.: Gelechiidae) y de *Sitophilus zeamais* Motschulsky (Coleop.: Curculionidae) en diez tipos de maíz con características contrastantes *Revista Peruana de Entomología* **15** 153-164
De Colegio de Postgraduados, Chapingo MX
- MX 1973 LÓPEZ** Alfonso López B*, S Rajaram* y Ma. de Lourdes de Bauer. Identificación de las formas de *Puccinia graminis* que atacan a triticale *Agrociencia (Chapingo MX)* **13** 65-74 AGRIS 75-041108
Con Colegio de Postgraduados, Chapingo MX
- MX 1973 MARTÍNEZ** Jesús Ma. S Martínez G, Fidel Márquez S y S Rajaram*. Herencia de la resistencia a *Puccinia graminis* var. *tritici* en trigos harineros (*Triticum aestivum*) *Agrociencia (Chapingo MX)* **11** 117-126
Con Colegio de Postgraduados, Chapingo MX
- MX 1973 TURRENT** Antonio Turrent Fernández, Reggie J Laird* y Foster B Cady. El uso de los síntomas de marchitez del maíz, como un índice de sequía a nivel de campo *Agrociencia (Chapingo MX)* **14** 67-79 AGRIS 75-040540
Con Colegio de Postgraduados, Chapingo MX
- MX 1974 CAMINO** José M Camino A y Carlos de León*. Estriado foliar bacteriano del maíz (*Zea mays* L.) *Agrociencia (Chapingo MX)* **18** 63-70 AGRIS 76-071359
Con Colegio de Postgraduados, Chapingo MX
- MX 1974 LÓPEZ** A López*, S Rajaram* and L I de Bauer. Susceptibility of triticale, rye and wheat to stem rust from these three hosts *Phytopathology* **64** 266-267
With Colegio de Postgraduados, Chapingo MX

- MX 1974 ORELLANA** Hugo Orellana A, L I de Bauer y S Rajaram*. *Puccinia striiformis* West. en México: especialización fisiológica y resistencia genética en algunas variedades y líneas de trigo **Agrociencia (Chapingo MX) 18** 105-116 AGRIS 76-071391
Con Colegio de Postgraduados, Chapingo MX
- MX 1974 SENMACHE** José M Senmache Santa Cruz, Carlos Sosa Moss, Gonzalo Granados Reynaud* y César García Montalvo. Cría artificial de *Diatraea saccharalis* Fab. (Lepidoptera: Pyralidae) y su aplicación en la evaluación de resistencia en maíz **Agrociencia (Chapingo MX) 18** 3-13 AGRIS 76-071139
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 AGUILAR** Immer Aguilar M y R A Fischer*. Análisis de crecimiento y rendimiento de 30 genotipos de trigo bajo condiciones ambientales óptimas de cultivo **Agrociencia (Chapingo MX) 21** 185-198 AGRIS 77-178017
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 ARJONA** Carlos Orlando Arjona M, S Fuentes* y L I de Bauer. Estudio sobre *Septoria tritici* Rob. & Desm., agente causal de la mancha café de la hoja de trigo en México y Guatemala **Agrociencia (Chapingo MX) 22** 71-83 AGRIS 77-149541
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 RAMÍREZ** José L Ramírez Ch, Carlos de León G*, César García M y Gonzalo Granados R*. *Dalbulus guevarai* (DeL.) nuevo vector de achaparramiento de maíz en México. Incidencia de la enfermedad y su relación con el vector *Dalbulus maidis* (DeL. & W.) en Muna, Yucatán **Agrociencia (Chapingo MX) 22** 39-49 AGRIS 77-149515
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 SALAZAR** Mario Salazar Gómez, Vicente A Rodríguez Madrid y Marco A Quiñones*. Herencia de la altura de planta en trigos duros (*Triticum durum* Desf.) **Agrociencia (Chapingo MX) 21** 133-143 AGRIS 77-177481
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 VALENCIA** J A Valencia V, Vicente Rodríguez y Sanjaya Rajaram*. Resistencia en cuatro variedades de trigo a *Puccinia graminis* f. sp. *tritici* Erikss. y Henn **Agrociencia (Chapingo MX) 21** 155-167 AGRIS 77-179467
Con Colegio de Postgraduados, Chapingo MX
- MX 1975 VÁZQUEZ** Marcelino Vázquez G, José L Carrillo S, Gonzalo Granados R* y César García M. Cría masiva del gusano cogollero, *Spodoptera frugiperda* (J.E. Smith) y evaluación de infestaciones artificiales sobre maíz en el campo **Agrociencia (Chapingo MX) 22** 3-13 AGRIS 77-149139
Con Colegio de Postgraduados e Instituto Nacional de Investigaciones Agrícolas, Chapingo MX
- MX 1978 CERVANTES** Tarcicio Cervantes S, Major M Goodman y Eduardo Casas Díaz. Efectos genéticos y de interacción genotipo-ambiente en la clasificación de razas mexicanas de maíz **Agrociencia (Chapingo MX) 31** 25-43 AGRIS 79-434394
De Colegio de Postgraduados, Chapingo MX y North Carolina State University, Raleigh (North Carolina) US
- MX 1978 SARTORI** J F Sartori, S Rajaram* y Ma. de Lourdes de la I de Bauer. Bases patológicas y genéticas relacionadas con la resistencia general del trigo a *Puccinia graminis* Pers. f. sp. *tritici* Erikss. et Henn **Agrociencia (Chapingo MX) 34** 3-16 AGRIS 81-655751
Con Colegio de Postgraduados, Chapingo MX
- MX 1979 CÓRDOVA** Hugo Salvador Córdova O* y Fidel Márquez Sánchez. Efecto del número de líneas endogámicas sobre el comportamiento de las variedades sintéticas derivadas de una población de maíz (*Zea mays* L.) I. Rendimiento **Agrociencia (Chapingo MX) 37** 235-252
Con Colegio de Postgraduados, Chapingo MX

- MX 1983 CAVIEDES** Mario Caviedes C, Alfredo Carballo Quirós, T Angel Kato Yamakake y Evangelina Villegas M*. Correlaciones fenotípicas entre rendimiento y contenidos de proteína, triptófano y zeína, en familias de medio hermanos de maíz (*Zea mays* L.) opaco-2 modificado ***Agrociencia (Chapingo MX) 54*** 101-110
Con Colegio de Postgraduados, Chapingo MX
- MX 1984 BARAHONA** Marco V Barahona Enríquez y Arturo Hernández Sierra. Aptitud competitiva en la selección de progenitores de trigo (*Triticum aestivum* L.) ***Agrociencia (Chapingo MX) 55*** 79-89 AGRIS 90-108305
De Colegio de Postgraduados, Chapingo MX
- MX 1984 CERVANTES** T Cervantes Santana y H Mejía Andrade. Maíces nativos del área del Plan Puebla: recolección de plasma germinal y evaluación del grupo tardío ***Revista Chapingo 43-44*** 64-71 AGRIS 87-011547
De Colegio de Postgraduados, Chapingo MX y Productora Nacional de Semillas, ? MX
- MX 1984 GILCHRIST-1** Lucy Gilchrist S, Santiago Fuentes F* y María de Lourdes de la Isla de Bauer. Determinación de fuentes de resistencia contra *Helminthosporium tritici-repentis* bajo condiciones de campo e invernadero ***Agrociencia (Chapingo MX) 56*** 95-105
Con Colegio de Postgraduados, Chapingo MX
- MX 1984 GILCHRIST-2** Lucy Gilchrist S, Santiago Fuentes F* y María de Lourdes de la Isla de Bauer. Identificación de *Helminthosporium tritici-repentis* (= *Pyrenophora tritici-repentis*), agente causal de un tizón de la hoja de trigo en México ***Agrociencia (Chapingo MX) 56*** 151-162
Con Colegio de Postgraduados, Chapingo MX
- MX 1984 ORTIZ** Ramón Ortiz B y Enrique Torres*. Herencia de la resistencia a la roya de la hoja (*Puccinia recondita* Rob. ex Desm. f. sp. *tritici* Johnston y Browder) de cuatro variedades de trigo ***Agrociencia (Chapingo MX) 56*** 57-62
Con Colegio de Postgraduados, Chapingo MX
- MX 1986 GILCHRIST** Lucy Gilchrist S, Rafael Rodríguez Montessoro y Peter A Burnett*. La toxemia causada por *Diuraphis noxia* Mordv. y su importancia como vector de virus en México ***Agrociencia (Chapingo MX) 66*** 141-153
Con Colegio de Postgraduados, Chapingo MX
- MX 1987 PAGLIETTINI** Liliana L Pagliettini Giberti, Jaime A Matus Gardea, Daniel Barrera Islas, Marcos Portillo Vázquez, Albéric Hibon*, Juan Carlos Martínez* y Gustavo Sain*. Orientación de decisiones de política agrícola con datos generados en campo de agricultores: el caso de los fertilizantes nitrogenados en La Fraylesca, Chiapas, México ***Agrociencia (Montecillo MX) 70*** 45-61 AGRIS 90-105622
Con Colegio de Postgraduados, Montecillo MX
- MX 1988 HUERTA** Julio Huerta Espino, Sanjaya Rajaram* y Tarcicio Cervantes Santana. Resistencia de patogenia lenta a *Puccinia recondita tritici* en trigo ***Agrociencia (Montecillo MX) 74*** 153-168 AGRIS 90-108309
Con Colegio de Postgraduados, Montecillo MX
- MX 1988 ZAMORA** M R Zamora, P A Burnett*, H E Vivar*, R Rodríguez and M Navarro. Barley stripe mosaic virus in Mexico ***Plant Disease 72*** 546
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, Chapingo MX and Colegio de Postgraduados, Montecillo MX.

- MX 1989 DHALIWAL** H S Dhaliwal, Rosa Navarrete-Maya and J Valdez C. Scanning electron microscope studies of penetration mechanism of *Tilletia indica* in wheat spikes ***Revista Mexicana de Fitopatología* 7** 150-155
With Universidad Nacional Autónoma de México, México DF, MX and Colegio de Postgraduados, Montecillo (México) MX
- MX 1989 IRETA** J Ireta, C Sosa-Moss, S Romero C y G Bekele*. Estimación de las pérdidas en trigo (*Triticum* sp.L.) causadas por la roña (*Fusarium graminearum* Schw.) ***Agrociencia (Montecillo MX)* 77** 89-102 AGRIS 93-106905
Con Colegio de Postgraduados, Montecillo MX y Universidad Autónoma de Chapingo, Chapingo MX
- MX 1990 ORDORICA-FALOMIR** C Ordorica-Falomir, O Paredes-López and R J Peña*. Production of safflower protein isolates: gel filtration and electrophoretic patterns ***Lebensmittel-Wissenschaft und -Technologie* 21** 122-125
With Centro de Investigación y Estudios Avanzados, Irapuato (Guanajuato) MX
- MX 1990 SALAZAR** Francisco Javier Salazar Huerta, Seiji Osada Kawasoe, Lucy Gilchrist Saavedra* y Guillermo Fuentes Dávila*. Evaluación de la resistencia de seis genotipos de trigo (*Triticum vulgare* L.) al carbón parcial causado por el hongo *Tilletia indica* Mitra en invernadero ***Revista Mexicana de Fitopatología* 8** 145-152
Con Colegio de Postgraduados, Montecillo MX
- MX 1991 CASTRO** Luis Armando Castro Ortega, Felipe Romero Rosales, John A Mihm*, Juan Cibrián Tovar y Javier Trujillo Arriaga. Evaluación de resistencia de 30 genotipos de maíz a *Sitophilus zeamais* (Coleoptera: Curculionidae) en laboratorio ***Agrociencia: serie Protección Vegetal (Montecillo MX)* 2** 57-68 AGRIS 97-045841
Con Colegio de Postgraduados, Montecillo MX
- MX 1991 SINGH-1** R P Singh*, T S Payne*, P Figueroa and S Valenzuela. Comparison of the effect of leaf rust on the grain yield of resistant, partially resistant, and susceptible spring wheat cultivars ***American J. Alternative Agriculture* 6** 115-121
With Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), Cd. Obregón (Sonora) MX
- MX 1991 SINGH-2** R P Singh. Pathogenicity variations of *Puccinia recondita* f. sp. *tritici* and *P. graminis* f. sp. *tritici* in wheat-growing areas of Mexico during 1988 and 1989 ***Plant Disease* 75** 790-794 AGRIS 92-105376
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, various locations MX
- MX 1992 BRENNAN** John P Brennan*, Elizabeth J Warham*, Derek Byerlee* and Julio Hernandez-Estrada. Evaluating the economic impact of quality-reducing seed-borne diseases: lessons from Karnal bunt of wheat ***Agricultural Economics* 6** 345-352 AGRIS 92-061236
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, México DF, MX
- MX 1992 JAIME** Ramón Jaime García, Rafael Rodríguez Montessoro y Peter A Burnett*. Evaluación de trampas para la captura de áfidos alados y fluctuación de poblaciones de los vectores del virus enanismo amarillo de la cebada ***Agrociencia: serie Protección Vegetal (Montecillo MX)* 3** (2) 19-37 AGRIS 97-048346
Con Colegio de Postgraduados, Montecillo MX
- MX 1992 LEYVA** Gerardo Leyva Mir, E Villaseñor Mir, Lucy Gilchrist* y R Hernández. Identificación y cuantificación de patógenos asociados a la semilla de trigo (*Triticum aestivum* L.) asperjado en campo con fungicidas ***Revista Mexicana de Fitopatología* 10** 175-178
Con Universidad Autónoma de Chapingo, Chapingo MX y Campo Experimental Valle de México INIFAP, Chapingo MX

- MX 1992 SCOPEL** E Scopel* et D Louette. Une méthode de diagnostic agronomique basée sur l'enquête: application au maïs pluvial à Pueblo Juarez, Mexique *Agronomie Tropicale* **46** 283-294 AGRIS 94-116849
Avec Universidad de Guadalajara, Guadalajara (Jalisco) MX
- MX 1993 CLAURE** Víctor Tito Claire Iriarte, José D Molina Galán, S K Vasal* y Angel Martínez Garza. Aumento del potencial de rendimiento mediante selección e hibridación en maíz (*Zea mays* L.): I. Comportamiento de compuestos de selección y de cruas simples; II. Aptitud combinatoria de líneas autofecundadas *Agrociencia: serie Fitociencia (Montecillo MX)* **4** (2) 41-51; 53-64 AGRIS 97-045853; 97-045854
Con Colegio de Postgraduados, Montecillo MX
- MX 1993 HERNANDEZ-1** C M Hernandez and J Crossa*. A program for estimating the optimum sample size for germplasm conservation *J. Heredity* **84** 85-86
With Universidad de Colima, Colima MX
- MX 1993 HERNANDEZ-2** C M Hernandez, J Crossa* and A Castillo. The area under the function: an index for selecting desirable genotypes *Theoretical and Applied Genetics* **87** 409-415 AGRIS 94-106848
With Universidad de Colima, Colima and Colegio de Postgraduados, Montecillo MX
- MX 1993 MATUS** I Matus, J D Molina Galan, S Rajaram*, L Gilchrist* y F Castillo G. Genética de la resistencia a *Septoria tritici* en cinco variedades mejoradas de trigo (*Triticum aestivum* L.): I. Acción génica y heredabilidad *Agrociencia: serie Fitociencia (Montecillo MX)* **4** (4) 105-119
Con Colegio de Postgraduados, Montecillo MX
- MX 1993 SALAZAR-1** Francisco Javier Salazar Huerta, Pedro Figueroa López y Ravi P Singh*. Estimación de pérdidas potenciales por roya de la hoja (*Puccinia recondita* Rob. ex Desm.) en trigo en el Sur de Sonora *Revista Mexicana de Fitopatología* **11** 41-46
Con Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), Cd. Obregón (Sonora) MX
- MX 1993 SALAZAR-2** Francisco Javier Salazar Huerta y Guillermo Fuentes Dávila*. Evaluación de líneas avanzadas y variedades de trigo *Triticum aestivum* L. por resistencia al carbón parcial causado por *Tilletia indica* Mitra *Revista Mexicana de Fitopatología* **11** 69-71
Con Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), Cd. Obregón (Sonora) MX
- MX 1993 SERRATOS** J A Serratos, A Blanco-Labra, J A Mihm*, L Pietrzak and J T Arnason. Generation means analysis of phenolic compounds in maize grain and susceptibility to maize weevil *Sitophilus zeamais* infestation *Canadian J. Botany* **71** 1176-1181 AGRIS 95-152747
With Centro de Investigación y Estudios Avanzados, Irapuato (Guanajuato) MX; Agriculture Canada and University of Ottawa, Ottawa CA
- MX 1993 VAN NIEUWKOOP** Martien van Nieuwkoop. Labranza de conservación en sistemas de producción de maíz en México: un marco general de diagnóstico *Agrociencia: serie Socioeconomía (Montecillo MX)* **4** (1) 33-50
- MX 1994 BAJET** Narceo B Bajet*, B L Renfro* and Jorge Manuel Valdéz Carrasco. Control of tar spot of maize and its effect on yield *International J. Pest Management* **40** 121-125 AGRIS 96-056234
With Colegio de Postgraduados, Montecillo MX
- MX 1994 FUENTES-DÁVILA** Guillermo Fuentes-Dávila*, Francisco Corrales Madrid y José Luis Muñoz Acuña. Efecto del tamaño de la submuestra de trigo comercial para determinar los niveles de infección por *Tilletia indica* Mitra *Revista Mexicana de Micología* **10** 187-191
Con Secretaría de Agricultura y Recursos Hidráulicos, Cd. Obregón (Sonora) MX

- MX 1994 HUERTA-ESPINO** J Huerta-Espino and R P Singh*. First report of virulence to wheat with leaf rust resistance gene *Lr19* in Mexico *Plant Disease* **78** 640
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, Cd. Obregón (Sonora) MX
- MX 1994 LÓPEZ** F Saúl López, J L Medina Pitalúa y A Tasistro Souto*. Muestreo sistemático de *Oxalis* spp. en trigo (*Triticum* spp.) en la Estación Experimental El Batán (CIMMYT) *Revista Chapingo: serie Protección Vegetal* **1** 109-112 AGRIS 97-049732
Con Universidad Autónoma Chapingo, Chapingo MX
- MX 1995 DÍAZ DE LEÓN** José Luis Díaz de León, Martha Carrillo-Laguna, Sanjaya Rajaram* and Abdul Mujeeb-Kazi*. Rapid *in vitro* screening of some salt tolerant bread wheats *Cereal Research Communications* **23** 383-389
With Universidad Autónoma de Baja California Sur, La Paz (Baja California Sur) MX
- MX 1995 SINGH-1** R P Singh*, A Morgunov* and J Huerta-Espino. Genes conferring low seedling reaction to Mexican pathotypes of *Puccinia recondita* f. sp. *tritici*, and adult-plant responses of recent wheat cultivars from the former USSR *Euphytica* **81** 225-234 AGRIS 95-131717
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, Cd. Obregón (Sonora) MX
- MX 1995 SINGH-2** R P Singh* and J Huerta-Espino. Inheritance of seedling and adult plant resistance to leaf rust in wheat cultivars Ciano 79 and Papago 86 *Plant Disease* **79** 35-38 AGRIS 96-005572
With Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, Cd. Obregón (Sonora) MX
- MX 1996 BOHOROVA** N Bohorova*, A M Maciel*, R M Brito*, L Aguilart, J E Ibarra and D Hoisington*. Selection and characterization of Mexican strains of *Bacillus thuringiensis* active against four major lepidopteran maize pests *Entomophaga* **41** 153-165 AGRIS 1999-060926
With Instituto Politécnico Nacional, Irapuato (Guanajuato) MX
- MX 1996 DE GRACIA** Rubén G De Gracia De León, Roberto Núñez Escobar, Jorge D Etchevers Barra y Mark Bell*. Respuesta de *Lolium perenne* a dos rocas fosfóricas con tres tamaños de partícula adicionadas de azufre o zeolita en un andosol *Agrociencia (Montecillo MX)* **30** 459-467 AGRIS 1998-112313
Con Colegio de Postgraduados, Montecillo MX
- MX 1996 MARTÍNEZ** B F Martínez, P E Sevilla and M Bjarnason*. Wet milling comparison of quality protein maize and normal maize *J. Science of Food and Agriculture* **71** 156-162 AGRIS 97-032149
With Instituto Politécnico Nacional, Mexico DF and Instituto Nacional de Investigaciones Forestales y Agropecuarias INIFAP, Chapingo MX
- MX 1996 TRUJILLO** Maria Patricia Trujillo Uribe, Ignacio Méndez Ramírez y Alberto Castillo Morales. Variabilidad espacial en ensayos de campo *Agrociencia (Montecillo MX)* **30** 533-540 AGRIS 1998-121864
De Colegio de Postgraduados, Montecillo MX
- MX 1997 BOHOROVA** N Bohorova*, M Cabrera, C Abarca, R Quintero, A M Maciel*, R M Brito*, D Hoisington* and A Bravo. Susceptibility of four tropical lepidopteran maize pests to *Bacillus thuringiensis* CryI-type insecticidal toxins *J. Economic Entomology* **90** 412-415 AGRIS 1998-002834
With Universidad Nacional Autónoma de México, Cuernavaca (Morelos) MX
- MX 1997 CHÁVEZ-ONTIVEROS** Jeanett Chávez-Ontiveros and Guillermo Fuentes-Dávila*. Semipermanent mounting *in vitro* of *Tilletia indica* Mitra secondary sporidia, causal agent of Karnal bunt, for trapping studies *Revista Mexicana de Fitopatología* **15** 108-110
With Instituto Tecnológico de Sonora ITSON, Ciudad Obregón (Sonora) MX

- MX 1997 DEL TORO** Efrén Del Toro Magaña*, Melinda Smale*, Sanjaya Rajaram*, Maarten van Ginkel*, Luis León Landois Palencia y Félix Valerio González Cossio. Relación entre varianza genética y diversidad genealógica en trigo *Revista Fitotecnia Mexicana* **20** 111-120
Con Colegio de Postgraduados, Montecillo MX
- MX 1997 FRANCO-1** Jorge Franco, José Crossa*, José Villaseñor, S Taba* and Steve A Eberhart. Classifying Mexican maize accessions using hierarchical and density search methods *Crop Science* **37** 972-980 AGRIS 1998-103210
With Colegio de Postgraduados, Montecillo MX and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US
- MX 1997 FRANCO-2** Jorge Franco, José Crossa*, Jaime Díaz*, Suketoshi Taba*, José Villaseñor and Steve A Eberhart. A sequential clustering strategy for classifying gene bank accessions *Crop Science* **37** 1656-1662 AGRIS 1998-092500
With Colegio de Postgraduados, Montecillo MX and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US
- MX 1997 GUTIÉRREZ** Mario Gutiérrez Rodríguez y Alfonso Larqué Saavedra. Fluorescencia de clorofila en genotipos de trigo con diferente tolerancia al calor *Agrociencia (Montecillo MX)* **31** 23-28 AGRIS 1998-113855
De Colegio de Postgraduados, Montecillo MX
- MX 1997 QUERO** Adrián R Quero Carrillo, Yves H Savidan*, Julian Berthaud*, Jorge Pérez Pérez y José Espinoza Velázquez. Estudio citogenético en el género *Tripsacum* *Agrociencia (Montecillo MX)* **31** 331-334 AGRIS 1998-113123
Con Colegio de Postgraduados, San Luis Potosi y Montecillo MX
- MX 1997 VIDAL** Iván Vidal P, Jorge Etchevers y Anthony Fischer*. Biomasa microbiana en un suelo sometido a diferentes manejos de labranza y rotación *Agricultura Técnica* **57** 272-281 AGRIS 1998-077720
Con Colegio de Postgraduados, Montecillo MX
- MX 1997 SALAZAR-HUERTA** Francisco Javier Salazar-Huerta, Pedro Figueroa-López, Guillermo Fuentes Dávila* and Joseph L Smilanick. Evaluation of foliar fungicides for control of Karnal bunt of wheat during 1986-1989 in northwestern Mexico *Revista Mexicana de Fitopatología* **15** 73-80
With Centro de Investigaciones Agrícolas del Noroeste CIANO-INIFAP, Ciudad Obregón (Sonora) MX and Horticultural Crops Research Laboratory USDA, Fresno (California) US
- MX 1997 SINGH** R P Singh* and J Huerta-Espino. Effect of leaf rust resistance gene *Lr34* on grain yield and agronomic traits of spring wheat *Crop Science* **37** 390-395 AGRIS 1998-003009
With Centro de Investigaciones Agrícolas del Noroeste CIANO-INIFAP, Ciudad Obregón (Sonora) MX
- MX 1998 BINDRABAN** Prem S Bindraban, Ken D Sayre*, Ernesto Solis-Moya. Identifying factors that determine kernel number in wheat *Field Crops Research* **58** 223-234 AGRIS 1999-018693
With Centro de Investigaciones Forestales y Agropecuarias INIFAP, Celaya (Guanajuato) MX
- MX 1998 CASTRO-DUARTE** América Vivian Castro-Duarte, Alfredo D Martínez-Espinosa y Guillermo Fuentes-Dávila*. Aislamientos de protoplastos de esporidios secundarios y micelio de *Tilletia indica*, agente causal del carbón parcial del trigo *Revista Mexicana de Fitopatología* **16** 30-34
Con Instituto Tecnológico de Sonora ITSON, Ciudad Obregón (Sonora) MX
- MX 1998 FRANCO** Jorge Franco*, José Crossa*, José Villaseñor, Suketoshi Taba* and Steve A Eberhart. Classifying genetic resources by categorical and continuous variables *Crop Science* **38** 1688-1696 AGRIS 1999-051064
With Colegio de Postgraduados, Montecillo MX and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US

- MX 1998 PORTILLA** I Portilla Cruz, E Molina Gayosso, G Cruz-Flores, I Ortiz Monasterio* y G G B Manske*. Colonización micorrízica arbuscular, actividad fosfatásica y longitud radical como respuesta a estrés de fósforo en trigo y triticale cultivados en un Andisol *Terra* **16** (1) 55-61 AGRIS 1999-086603
Con Universidad Autónoma de México, México DF, MX
- MX 1998 RAMÍREZ** Sergio Ramírez Rojas, Felipe Romero Rosales, Dan Jeffers*, Ángel Martínez Garza y Hugo Mejía Andrade. Reacción de ocho variedades de maíz al virus del rayado fino en Chapingo, México *Agricultura Técnica en México* **24** 11-18 AGRIS 1999-087222
Con Colegio de Postgraduados, Montecillo MX y Campo Experimental Valle de México INIFAP, Chapingo MX
- MX 1998 RICE** Elizabeth Rice, Melinda Smale* and José-Luis Blanco. Farmers' use of improved seed selection practices in Mexican maize: evidence and issues from the Sierra de Santa Marta *World Development* **26** 1625-1640 AGRIS 1999-008644
With Proyecto Sierra Santa Marta, Jalapa (Veracruz) MX
- MX 1998 SANDOVAL-ISLAS** J S Sandoval-Islas, L H M Broers, H Vivar* and K S Osada. Evaluation of quantitative resistance to yellow rust (*Puccinia striiformis* f. sp. *hordei*) in the ICARDA/CIMMYT barley breeding programme *Plant Breeding* **117** 127-130
With Colegio de Postgraduados, Montecillo MX
- MX 1998 SAYRE** K D Sayre*, R P Singh*, J Huerta-Espino and S Rajaram*. Genetic progress in reducing losses to leaf rust in CIMMYT-derived Mexican spring wheat cultivars *Crop Science* **38** 654-659 AGRIS 1999-021325
With Centro de Investigaciones Agrícolas del Noroeste CIANO-INIFAP, Ciudad Obregón (Sonora) MX
- MX 1998 SINGH-1** R P Singh*, J Huerta-Espino, S Rajaram* and J Crossa*. Agronomic effects from chromosome translocations 7DL.7Ag and 1BL.1RS in spring wheat *Crop Science* **38** 27-33 AGRIS 1998-058888
With Centro de Investigaciones Agrícolas del Noroeste CIANO-INIFAP, Ciudad Obregón (Sonora) MX
- MX 1998 SINGH-2** R P Singh*, A Mujeeb-Kazi* and J Huerta-Espino. *Lr-46*: a gene conferring slow-rusting resistance to leaf rust in wheat *Phytopathology* **88** 890-894 AGRIS 1999-052562
With Centro de Investigaciones Agrícolas del Noroeste CIANO-INIFAP, Ciudad Obregón (Sonora) MX
- MX 1998 VARGAS** Mateo Vargas*, José Crossa*, Ken Sayre*, Matthew Reynolds*, Martha E Ramírez and Mike Talbot. Interpreting genotype x environment interactions in wheat by partial least squares regression *Crop Science* **38** 679-689 AGRIS 1999-019520
With Universidad Autónoma Chapingo, Chapingo MX; Colegio de Postgraduados, Montecillo MX; and University of Edinburgh, Edinburgh (Scotland) GB
- MX 1999 AGUILAR** Víctor Heber Aguilar Rincón, Ravi Prakash Singh y José Domingo Molina Galán. Genética de la resistencia a la roya de la hoja de cuatro trigos sintéticos hexaploides *Revista Fitosanitaria Mexicana* **22** 215-226
De Colegio de Postgraduados, Montecillo MX
Nota El trabajo de investigación fue realizado en el CIMMYT, EL Batán
- MX 1999 FRANCO** Jorge Franco*, José Crossa*, José Villaseñor, Alberto Castillo, Suketoshi Taba* and Steve A Eberhart. A two-stage, three-way method for classifying genetic resources in multiple environments *Crop Science* **39** 259-267
With Colegio de Postgraduados, Montecillo MX and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US

- MX 1999 GUILLÉN** Héctor Guillén Andrade, Mireille M Khairallah*, Fernando Castillo González y Ravi P Singh*. Componentes de la resistencia de patogenicidad lenta a la roya de la hoja (*Puccinia recondita* f.sp. *tritici*) en trigo harinero (*Triticum aestivum* L.) *Agricultura Técnica en México* **25** 35-40
Con Campo Experimental Valle de México INIFAP, Chapingo MX y Colegio de Postgraduados, Montecillo MX
- MX 1999 SANDOVAL** José Sergio Sandoval Islas, Seiji Osada Kawasoe, Hugo Vivar Flores* e Ignacio Benítez Riquelme. Correlación entre resistencia en plantula y resistencia en planta adulta a la roya amarilla y a la escaldadura de la cebada *Agrociencia (Montecillo MX)* **33** 415-422 AGRIS 2000-034718
Con Colegio de Postgraduados, Montecillo MX
- MX 1999 VALLEJO-COHEN** Socorro Vallejo-Cohen, Miguel Ángel Martínez-Téllez, Irasema del Carmen Vargas-Arispuro y Guillermo Fuentes-Dávila*. Evaluación *in vitro* del efecto de extractos vegetales sobre el desarrollo micelial de *Tilletia indica*, agente causal de carbón parcial en trigo *Revista Mexicana de Fitopatología* **17** 128-130
Con Centro de Investigación en Alimentación y Desarrollo A.C., Hermosillo (Sonora) MX
- MX 1999 VARGAS** Mateo Vargas*, José Crossa*, Fred A van Eeuwijk, Martha E Ramírez and Ken Sayre*. Using partial least squares regression, factorial regression, and AMMI models for interpreting genotype x environment interaction *Crop Science* **39** 955-967
With Colegio de Postgraduados, Montecillo MX and Wageningen Agricultural University, Wageningen NL
- MX 2000 AGUILAR-RINCÓN-1** Víctor H Aguilar-Rincón, P R Singh*, José D Molina-Galán y Julio Huerta-Espino. Herencia de la resistencia a la roya de la hoja en cuatro trigos sintéticos hexaploides [with English translation] *Agrociencia (Montecillo MX)* **34** 235-246
Con Colegio de Postgraduados, Montecillo MX y Campo Experimental Valle de México INIFAP, Chapingo MX
- MX 2000 AGUILAR-RINCÓN-2** Víctor H Aguilar-Rincón, R P Singh*, Julio Huerta-Espino y José D Molina-Galán. Prueba de similitud de genes de resistencia a la roya de la hoja en cinco trigos sintéticos hexaploides [with English translation] *Agrociencia (Montecillo MX)* **34** 741-746
Con Colegio de Postgraduados, Montecillo MX y Campo Experimental Valle de México INIFAP, Chapingo MX
- MX 2000 AGUIRRE** José Alfonso Aguirre Gómez, Mauricio R Bellon* and Melinda Smale*. A regional analysis of maize biological diversity in southeastern Guanajuato, Mexico *Economic Botany* **54** 60-72
With Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Celaya (Guanajuato) MX
- MX 2000 CUÉLLAR** Humberto Cuéllar Torres, José Ron Parra, Cándido López Castañeda, Roberto J Peña Bautista* y Diego González Eguiarte. Selección de cultivares superiores de trigo y triticale para el altiplano potosino-jalisciense *Acta Científica Potosina* **15** 25-39
With Universidad Autónoma San Luis Potosí, San Luis Potosí MX; Universidad de Guadalajara, Guadalajara (Jalisco) MX; Colegio de Postgraduados, Montecillo MX e Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Guadalajara (Jalisco) MX
- MX 2000 GUTIÉRREZ-RODRÍGUEZ** M Gutiérrez-Rodríguez, M P Reynolds* and A Larqué-Saavedra. Photosynthesis of wheat in a warm, irrigated environment. II: Traits associated with genetic gains in yield *Field Crops Research* **66** 51-62 For Part I, see **MX 2000 REYNOLDS**
With Colegio de Postgraduados, Montecillo MX
- MX 2000 LOUETTE** D Louette and M Smale*. Farmers' seed selection practices and traditional maize varieties in Cuzalapa, Mexico *Euphytica* **113** 25-41
With Universidad de Guadalajara, Autlán (Jalisco) MX

- MX 2000 MANSKE** G G B Manske, J I Ortiz-Monasterio*, M Van Ginkel*, R M González, S Rajaram*, E Molina* and P L G Vlek. Traits associated with improved P-uptake efficiency in CIMMYT's semidwarf spring bread wheat grown on an acid Andisol in Mexico *Plant and Soil* **221** 189-204
With Universität Göttingen, Göttingen DE and Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Morelia (Michoacán) MX
- MX 2000 REYNOLDS** M P Reynolds*, M I Delgado B, M Gutiérrez-Rodríguez and A Larqué-Saavedra. Photosynthesis of wheat in a warm, irrigated environment. I: Genetic diversity and crop productivity *Field Crops Research* **66** 37-50 For Part II, see **MX 2000 GUTIÉRREZ-RODRÍGUEZ**
With Colegio de Postgraduados, Montecillo MX
- MX 2000 SERRATO-CRUZ-1** Miguel Ángel Serrato-Cruz, Martha Hernández-Rodríguez*, Yves Savidan* y Nina M Bárcenas-Ortega. Contenido de ADN y nivel de ploidía en *Tagetes* spp. utilizando citómetro de flujo [with English translation] *Agrociencia (Montecillo MX)* **34** 729-734
With Universidad Autónoma Chapingo UACH, Chapingo MX y Colegio de Postgraduados, Montecillo MX
- MX 2000 SERRATO-CRUZ-2** Miguel Ángel Serrato-Cruz, Martha Hernández Rodríguez*, Yves Savidan* and Nina M Bárcenas-Ortega. Determinación de la ploidía en progenies de *Tagetes* spp. mediante citómetro de flujo [with English translation] *Agrociencia (Montecillo MX)* **34** 735-740
With Universidad Autónoma Chapingo UACH, Chapingo MX y Colegio de Postgraduados, Montecillo MX
- MX 2001 GUILLÉN-ANDRADE** Héctor Guillén-Andrade, Mireille Khairallah*, Ravi P Singh*, Fernando Castillo González y Dave Hoisington*. Construcción de un mapa genético para trigo harinero mediante RFLPs y SSRs *Revista Fitotecnia Mexicana* **24** 85-94
Con Campo Experimental Valle de México INIFAP, Chapingo MX y Colegio de Postgraduados, Montecillo MX
- MX 2001 MANSKE** G G B Manske, J I Ortiz-Monasterio*, M van Ginkel*, R M González, R A Fischer, S Rajaram* and P L G Vlek. Importance of P uptake efficiency versus P utilization for wheat yield in acid and calcareous soils in Mexico *European J. Agronomy* **14** 261-274
With Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Morelia (Michoacán) MX
- MX 2001 PÉREZ-BRITO** Daisy Pérez-Brito, Daniel Jeffers*, Diego González-de León*, Mireille Khairallah*, Moisés Cortés-Cruz, Gustavo Velázquez-Cardelas, Susana Azpíroz-Rivero y Ganesan Srinivasan*. Cartografía de QTL de la resistencia a la pudrición de la mazorca (*Fusarium moniliforme*) en maíz de valles altos, México [with English translation] *Agrociencia (Montecillo MX)* **35** 181-196
Con Colegio de Postgraduados, Montecillo MX e Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Chapingo MX
- MX 2001 SÁNCHEZ-SÁNCHEZ** H Sánchez-Sánchez, M Henry*, E Cárdenas-Soriano and H F Alvizo-Villasana. Identification of *Wheat streak mosaic virus* and its vector *Aceria tosichella* in Mexico *Plant Disease* **85** 13-17
With Universidad Autónoma Chapingo, Chapingo MX and Colegio de Postgraduados, Montecillo MX
- MX 2001 SMALE** Melinda Smale*, Mauricio R Bellon* and José Alfonso Aguirre Gómez. Maize diversity, variety attributes, and farmers' choices in southeastern Guanajuato, Mexico *Economic Development and Cultural Change* **50** 201-225
With Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias INIFAP, Celaya (Guanajuato) MX
- MX 2001 TRETHOWAN** R M Trethowan*, R P Singh*, J Huerta-Espino, J Crossa* and M van Ginkel*. Coleoptile length variation of near-isogenic *Rht* lines of modern CIMMYT bread and durum wheats *Field Crops Research* **70** 167-176
With Campo Experimental Valle de México INIFAP, Chapingo MX

MX 2001 VERGARA Narciso Vergara Ávila, Sergio Rodríguez Herrera, Humberto de León Castillo, Scott McLean* and Surinder Kumar Vasal*. Aptitud combinatoria de líneas de maíz tropical con diferente tipo de mazorca *Revista Fitotecnia Mexicana* **24** 203-212
Con Universidad Autónoma Agraria Antonio Narro UAAAN, Saltillo (Coahuila) MX

MX 2002 HUERTA Julio Huerta Espino, Héctor Villaseñor Mir, Eduardo Espitia Rangel, Santos G Leyva Mir y Ravi P Singh*. Análisis de la resistencia a la roya de la hoja en trigos harineros para temporal *Revista Fitotecnia Mexicana* **25** 161-169
Con Campo Experimental Valle de México INIFAP, Chapingo MX y Universidad Autónoma Chapingo, Chapingo MX

MX 2002 MORENO Esaú del Carmen Moreno Pérez, David Lewis Beck*, Tarcicio Cervantes Santana y José Luis Torres Flores*. Aptitud combinatoria de líneas de maíz de valles altos en suelos con alto y bajo contenido de nitrógeno *Revista Fitotecnia Mexicana* **25** 253-259
Con Colegio de Postgraduados, Montecillo MX

MX 2002 NIETO-SOTELO Jorge Nieto-Sotelo, Luz María Martínez, Georgia Ponce, Gladys I Cassab, Alejandro Alagón, Robert B Meeley, Jean-Marcel Ribaut* and Runying Yang. Maize HSP101 plays important roles in both induced and basal thermotolerance and primary root growth *Plant Cell* **14** 1621-1633
With Universidad Nacional Autónoma de México UNAM, Cuernavaca (Morelos) MX and Pioneer Hi-Bred International Inc., Johnston (Iowa) US

MX 2002 SANDOVAL-ISLAS José Sergio Sandoval-Islas, Leonardus Hendricus Broers y Hugo Vivar Flores*. Genética de la resistencia cuantitativa a la roya amarilla (*Puccinia striiformis* f.sp. *hordei*) en tres cultivares de cebada *Revista Fitotecnia Mexicana* **25** 265-270
Con Colegio de Postgraduados, Montecillo MX

MX 2002 VIDAL Iván Vidal, Jorge Etchevers y Anthony Fischer. Dinámica del nitrógeno bajo diferentes rotaciones, sistemas de labranza y manejo de residuos en el cultivo de trigo *Agricultura Técnica* **62** 121-132 AGRIS 2002-016640
Con Colegio de Postgraduados, Montecillo MX

MX 2002 VILLASEÑOR Héctor Eduardo Villaseñor Mir, Fernando Castillo González, Eduardo Espitia Rangel, Ranjaya Rajaram* y José Domingo Molina Galán. Perspectivas del uso de la androesterilidad en el mejoramiento por selección recurrente de trigo en México *Revista Fitotecnia Mexicana* **25** 321-326

NP 1989 SINGH D V Singh, R Agarwal, J K Shrestha, B R Thapa and H J Dubin*. First report of *Tilletia indica* on wheat in Nepal *Plant Disease* **73** 273 and 938(erratum)
With Indian Agricultural Research Institute, New Delhi IN and Department of Agriculture, Bhairahawa NP

NP 1990 HARRINGTON L Harrington*, P Hobbs*, T Pokhrel, B Sharma, S Fujisaka and C Lightfoot. The rice-wheat pattern in the Nepal Terai: issues in the identification and definition of sustainability problems *J. Farming Systems Research-Extension* **1** (2) 1-27 AGRIS 91-106461
With National Wheat Development Program NWDP, Bhairahawa NP; National Agricultural Research Services Center NARSC, Khumaltar NP; International Rice Research Institute IRRI, Los Baños PH; and International Center for Living Aquatic Resources Management ICLARM, Manila PH

NP 1994 MORRIS Michael L Morris*, H J Dubin* and Thaneswar Pokhrel. Returns to wheat breeding research in Nepal *Agricultural Economics* **10** 269-282 AGRIS 94-096635
With Nepal Agricultural Research Council, Kathmandu NP

- NP 1996 SHARMA** R C Sharma and H J Dubin*. Effect of wheat cultivar mixtures on spot blotch (*Bipolaris sorokiniana*) and grain yield *Field Crops Research* **48** 95-101 AGRIS 97-133426
With Institute of Agriculture and Animal Science, Rampur, Chitwan NP
- NP 1997 SHARMA-1** R C Sharma, H J Dubin*, M R Bhatta and R N Devkota. Selection for spot blotch resistance in four spring wheat populations *Crop Science* **37** 432-435 AGRIS 1998-003021
With Institute of Agriculture and Animal Science, Rampur, Chitwan and National Wheat Research Program, Bhairahawa NP
- NP 1997 SHARMA-2** R C Sharma, H J Dubin*, R N Devkota and M R Bhatta. Heritability estimates of field resistance to spot blotch in four spring wheat crosses *Plant Breeding* **116** 64-68
With Institute of Agriculture and Animal Science, Rampur, Chitwan and National Wheat Research Programme, Bhairahawa NP
- NP 1999 ADHIKARI** C Adhikari, K F Bronson, G M Panuallah, A P Regmi, P K Saha, A Dobermann, D C Olk, P R Hobbs*, E Pasuqin. On-farm soil N supply and N nutrition in the rice-wheat system of Nepal and Bangladesh *Field Crops Research* **64** 273-286 AGRIS 2000-033204
With Nepal Agricultural Research Council, Khumaltar, Lalitpur NP; Bangladesh Rice Research Institute, Gazipur BD; and International Rice Research Institute IRRI, Los Banos PH
- NP 2002 BELLINDER** see **IN 2002 BELLINDER**
- NP 2002 REGMI** A P Regmi, J K Ladha, H Pathak, E Pasuquin, C Bueno, D Dawe, P R Hobbs*, D Joshy, S L Maskey and S P Pandey. Yield and soil fertility trends in a 20-year rice-rice-wheat experiment in Nepal *Soil Science Soc. America J.* **66** 857-867
With Regional Agricultural Research Station NARC, Bhairahawa NP and International Rice Research Institute IRRI, Los Baños PH
-
- PA 1984 MARTÍNEZ** Juan Carlos Martínez* and José Román Arauz. Developing appropriate technologies through on-farm research: the lessons from Caisan, Panama *Agricultural Administration* **17** 93-114 AGRIS 87-048576
With Instituto de Investigaciones Agropecuarias de Panamá, David (Chiriqui) PY
-
- PE 1999 MORALES** F J Morales, J A Arroyave, J Castillo, C De Leon*. Cytopathology of maize chlorotic mottle virus in *Zea mays* L. *Maydica* **44** 231-235 AGRIS 2001-001887
With Universidad Nacional Agraria, La Molina PE and Centro Internacional de Agricultura Tropical CIAT, Cali CO
-
- PH 1974 NAZAREA** Lourdes D Nazarea and D A Ramirez. Relationship of endosperm phenotypes to protein, lysine and tryptophan levels in modified opaque-2 lines of maize (*Zea mays* L.) *Philippine Agriculturist* **58** 225-243 AGRIS 76-093200
From University of the Philippines at Los Baños, College, Laguna PH
-
- PK 1985 HOBBS** Peter R Hobbs*, Abdur Razzaq, Naeem I Hashmi, Mohammad Munir and Bakht R Khan. Effect of mustard grown as a mixed or intercrop on the yield of wheat *Pakistan J. Agricultural Research* **6** 241-247 AGRIS 87-062100
With National Agricultural Research Centre, Islamabad PK
- PK 1986 BYERLEE** Derek Byerlee*, Peter R Hobbs*, M Ramzam Akhtar and Abdul Majid. Developing improved crop technologies within the context of Pakistan's multiple cropping systems *Pakistan J. Agricultural Social Sciences* **1** 1-28 AGRIS 87-062090
With Pakistan Agricultural Research Council, Islamabad PK

- PK 1986 KHAN** Bakht Roidar Khan, Bakhtmand Khan, A Razzaq, M Munir, M Aslam, Shahbaz Ahmed, N I Hashmi and Peter R Hobbs*. Effect of different tillage implements on the yield of wheat *Pakistan J. Agricultural Research* **7** 141-147 AGRIS 87-081677
With National Agricultural Research Centre, Islamabad PK
- PK 1986 RAZZAQ** Abdul Razzaq, Bakht Roidan Khan, Bakhtmand Khan, Peter R Hobbs* and N I Hashmi. Comparison of morphological and physiological parameters of wheat cultivars under rainfed conditions *Pakistan J. Agricultural Research* **7** 148-151 AGRIS 87-084042
With National Agricultural Research Centre, Islamabad PK
- PK 1987 BYERLEE-1** Derek Byerlee*, M Ramzan Akhtar and Peter R Hobbs*. Reconciling conflicts in sequential cropping patterns through plant breeding: the example of cotton and wheat in Pakistan's Punjab *Agricultural Systems* **24** 291-304
With Pakistan Agricultural Research Council, Islamabad PK
- PK 1987 BYERLEE-2** Derek Byerlee* and Muzzaffar Iqbal. Recent trends and variability in prices of selected crop and livestock products in Pakistan *Pakistan J. Agricultural Social Sciences* **1** 158-168 AGRIS 88-069246
With Pakistan Agricultural Research Council, Islamabad PK
- PK 1987 HEISEY** Paul Heisey*, M Ramzan Akhtar and Munir Ahmad. Farmers' and breeders' perceptions of wheat varieties grown in three major cropping systems in Pakistan *Pakistan J. Agricultural Social Sciences* **1** 212-221 AGRIS 88-070334
With Pakistan Agricultural Research Council, Faisalabad and Tarnab, Peshawar PK
- PK 1988 SHAFIQUE** Muhammad Shafique, Muhammad Sharif, Zulfiqar Ahmad and Jim Longmire*. Farmers' perceptions of rice varieties grown in the Punjab: results from 1985-1987 *J. Agricultural Research (Lahore PK)* **26** 261-265 AGRIS 89-139688
With Ayub Agricultural Research Institute, Faisalabad PK
- PK 1988 SHARIF-1** Muhammad Sharif, Zulfiqar Ahmad, Muhammad Shafique and Jim Longmire*. Rice varietal adoption in the Punjab: results from 1988 *J. Agricultural Research (Lahore PK)* **26** 327-332 AGRIS 90-013400
With Ayub Agricultural Research Institute, Faisalabad PK
- PK 1988 SHARIF-2** Mohammad Sharif, Jim Longmire*, Mohammad Shafiq and Zulfiqar Ahmad. Adoption of Basmati-385: implication for time conflicts in the rice wheat cropping system of Pakistan's Punjab *Pakistan J. Agricultural Social Sciences* **2** 89-106 AGRIS 90-071954
With Ayub Agricultural Research Institute, Faisalabad PK
- PK 1988 SHEIKH** A D Sheikh, Derek Byerlee* and M Azeem. Factors affecting cropping intensity in Barani areas of northern Punjab, Pakistan *Pakistan J. Agricultural Social Sciences* **2** 53-72 AGRIS 90-071934
With National Agricultural Research Centre, Islamabad PK
- PK 1989 AHMAD** Zulfiqar Ahmad, Muhammad Sharif, Muhammad Shafique and Jim Longmire*. Wheat varietal diffusion and adoption in the irrigated Punjab: results from 1985-86 to 1987-88 *J. Agricultural Research (Lahore PK)* **27** 341-346 AGRIS 96-118754
With Agricultural Economics Research Unit PARC, Faisalabad PK
- PK 1989 BYERLEE-1** Derek Byerlee*, Muzaffar Iqbal and K S Fischer. Quantifying and valuing the joint production of grain and fodder from maize fields: evidence from northern Pakistan *Experimental Agriculture* **25** 435-445
With Animal Science Institute PARC, Islamabad PK

- PK 1989 BYERLEE-2** Derek Byerlee*, Paul Heisey* and Peter Hobbs*. Diagnosing research priorities for small farmers: experiences from on-farm research in Pakistan *Quarterly J. International Agriculture* **28** 254-265 AGRIS 92-111939
With Pakistan Agricultural Research Council, Islamabad PK
- PK 1989 KHAN** Bakht Roidar Khan, Abdur Razzaq, Bakhtmand Khan and Peter R Hobbs*. Varietal response to planting time in wheat under rainfed conditions *Sarhad J. Agriculture* **5** 327-329 AGRIS 90-013425
With Arid Zone Research Institute, Quetta and National Agricultural Research Centre, Islamabad PK
- PK 1990 BYERLEE** Derek Byerlee*, Larry Harrington* and Mohammed Sharif. Irrigated cropping systems of south Asia: technological change and sustainability to the year 2000 and beyond *Pakistan J. Agricultural Social Sciences* **5** 1-33
With Ayub Agricultural Research Institute, Faisalabad PK
- PK 1990 HUSSAIN** S Sajidin Hussain, Jim Longmire*, M Manzoor Ali and Gregory Traxler*. The yield gap for wheat in Pakistan *Pakistan J. Agricultural Social Sciences* **5** 56-85
With Agricultural Research Institute, Peshawar and Pakistan Agricultural Research Council, Islamabad PK
- PK 1990 JAHAN** Qamar Jahan, Nitschka Ter-Kuile*, Naeem Hashmi, Mohammad Aslam, Ahsan A Vahidy and Abdul Mujeeb-Kazi*. The status of the 1B/1R translocation chromosome in some released wheat varieties and the 1989 candidate varieties of Pakistan *Pakistan J. Botany* **22** 1-10
With University of Karachi, Karachi PK and National Agricultural Research Centre, Islamabad PK
- PK 1990 KHAN** Bakht Man Khan, Abdur Razzaq, Bakht Roidar Khan, Khurram Saeed, Peter R Hobbs* and N I Hashmi. Effect of deep tillage on grain yield of wheat under rainfed conditions *Pakistan J. Agricultural Research* **11** 78-83 AGRIS 91-106411
With National Agricultural Research Centre, Islamabad PK and Agricultural Development Bank of Pakistan, Islamabad PK
- PK 1990 TETLAY** Khaleel Tetlay, Derek Byerlee* and Zulfiqar Ahmad. Role of tractors, tubewells and plant breeding in increasing cropping intensity in Pakistan's Punjab *Agricultural Economics* **4** 13-25 AGRIS 91-001968
With Ayub Agricultural Research Institute, Faisalabad PK
- PK 1991 ALI** Mubarak Ali and Derek Byerlee*. Economic efficiency of small farmers in a changing world: a survey of recent evidence *J. International Development* **3** 1-27 AGRIS 93-010965
With Economics Analysis Network, Islamabad PK
- PK 1991 BYERLEE** Derek Byerlee* and Kiramat Khan. Fertilizer response in irrigated maize in the Swat valley: a synthesis of five years of on-farm research *Pakistan Agricultural Development Review* **1** 23-38
[With Cereal Crops Research Institute, Pirsabak (North West Frontier Province) PK]
- PK 1991 TER-KUILE** Nitschka Ter-Kuile*, Qamar Jahan, N Hashmi, M Aslam, A A Vahidy and A Mujeeb-Kazi*. 1B/1R translocation wheat cultivars detected by A-PAGE electrophoresis and C-banding in the 1990 national uniform wheat yield trial in Pakistan *Pakistan J. Botany* **23** 203-212
With University of Karachi, Karachi PK and National Agricultural Research Centre, Islamabad PK
- PK 1991 TETLAY** Khaleel A Tetlay, Paul W Heisey*, Zulfiqar Ahmed and Ahmad Munir. Farmers' sources of wheat seed and wheat seed management in three irrigated regions of Pakistan *Seed Science and Technology* **19** 123-138 AGRIS 91-069297
With Ayub Agricultural Research Institute, Faisalabad and Agricultural Research Institute, Tarnab, Peshawar PK.

- PK 1991 VAHIDY** Ahsan A Vahidy, F A Durrani, Qamar Jahan and A Mujeeb-Kazi*. Production and cytogenetics of intergeneric hybrids of *Triticum aestivum* with *Aegilops variabilis* and *Ae. vavilovi* *Pakistan J. Botany* **23** 213-222
With University of Karachi, Karachi PK
- PK 1993 BYERLEE** Derek Byerlee* and Tariq Husain. Agricultural research strategies for favoured and marginal areas: the experience of farming systems research in Pakistan *Experimental Agriculture* **29** 155-171 AGRIS 95-074465
With Enterprise and Development Consulting, Islamabad PK
- PK 1993 HEISEY** Paul W Heisey*, Khaleel A Tetlay, Zulfiqar Ahmad and Munir Ahmad. Varietal change in post-green revolution agriculture: empirical evidence for wheat in Pakistan *J. Agricultural Economics* **44** 428-442 AGRIS 96-000617
With Pakistan Agricultural Research Council, Faisalabad and Tarnab, Peshawar PK
- PK 1993 SHAFIQ** Muhammad Shafiq, Muhammad Azeem and Jim Longmire*. Diagnosing alternatives in conventional crop rotations: sunflowers as an alternative to wheat in the cotton-based cropping systems of Pakistan's Punjab *Agricultural Systems* **42** 245-264
With Pakistan Agricultural Research Council, Islamabad PK
- PK 1994 HUSSAIN** Syed Sajidin Hussain, Derek Byerlee* and Paul W Heisey*. Impacts of the training and visit extension system on farmers' knowledge and adoption of technology: evidence from Pakistan *Agricultural Economics* **10** 39-47 AGRIS 94-062171
With Agricultural Economics Research Unit, Tarnab, Peshawar PK
- PK 1994 MUJEEB-KAZI** A Mujeeb-Kazi*, Q Jahan and A A Vahidy. Application of a somatic and meiotic cytological technique to diverse plant genera and species in the Triticeae *Pakistan J. Botany* **26** 353-366
With University of Karachi, Karachi PK
- PK 1994 VAHIDY** Ahsan A Vahidy, Qamar Jahan and A Mujeeb-Kazi*. Intervarietal polymorphism of heterochromatin in bread wheat, *Triticum aestivum* L. *Wheat Information Service* **78** 13-17 AGRIS 95-064694
With University of Karachi, Karachi PK
- PK 1994 VAN NIEUWKOOP** M van Nieuwkoop*, T Defoer and S Sajidin Hussain. The contribution of rapid rural appraisals in the planning of on-farm research and extension activities *Agricultural Systems* **44** 201-216 AGRIS 95-085611
With PATA Integrated Agricultural Development Project, Saidu Sharif PK
- PK 2001 MUJEEB-KAZI** A Mujeeb-Kazi*, A Cortes*, V Rosas*, R Delgado*, F A Shafiq and A A Vahidy. Three new monosomic chromosome 5B genetic stocks of bread wheat *Cereal Research Communications* **29** 49-55
With University of Karachi, Karachi PK
-
- PY 1995 MORRIS** Michael Morris* and Mercedes Alvarez. Targeting commodity research at small-scale farmers: the case of maize in Paraguay *Quarterly J. International Agriculture* **34** 386-405
With Ministry of Agriculture, Asunción PA
-
- SD 1999** see **BD 1999 BADARUDDIN**
-

SV 1996 SAIN Gustavo E Sain and Hector J Barreto. The adoption of soil conservation technology in El Salvador: linking productivity and conservation *J. Soil and Water Conservation* **51** 313-321 AGRIS 97-012271

TH 1983 BONMAN J M Bonman*, B L Renfro* and N Singburadom. Correlation between resistance in maize to local and systemic infection by *Peronosclerospora sorghi* in Thailand *Plant Disease* **67** 219-220
With Kasetsart University, Bangkok TH

TH 1993 DREPPER W J Drepper, B Hau, J Kranz and B L Renfro*. Systemic infection of downy mildew on maize in Thailand and the effect of weather factors *Z. Pflanzenkrankheiten und Pflanzenschutz* **100** 634-644 AGRIS 94-036454
With National Corn and Sorghum Research Center, Suwan TH and Justus-Liebig-Universität, Giessen DE

TH 1993 FEIL B Feil, R Thiraporn and H R Lafitte*. Accumulation of nitrogen and phosphorus in the grain of tropical maize cultivars *Maydica* **38** 291-300
With Kasetsart University, Bangkok TH and Eidgenössische Technische Hochschule, Zürich CH

TH 1995 DE LEON Carlos de Leon*, Charas Kitbamroong, Dara Buangsuwan and Prawat Tanboonrek. Selection for resistance to aflatoxin formation in maize through seed inoculation *Food Additives and Contaminants* **12** 491-495 AGRIS 96-084090
With Department of Agriculture, Bangkok TH

TH 1995 HAU B Hau, W J Drepper*, O Prasertkit, J Kranz and B L Renfro*. Temporal and spatial aspects of the epidemiology of sorghum downy mildew on maize *Plant Pathology* **44** 897-908 AGRIS 96-137541
With National Corn and Sorghum Research Center, Pak Chong TH and Justus-Liebig-Universität, Giessen DE

TR 1986 KHALEEQ B Khaleeq and A Klatt*. Effect of various fungicides and insecticides on emergence of three wheat cultivars *Agronomy J.* **78** 967-970 AGRIS 87-096186
With Wheat Research Centre, Ankara TR

TR 1996 CAKMAK-1 I Cakmak, A Yilmaz, M Kalayci, H Ekiz, B Torum, B Erenoglu and H J Braun*. Zinc deficiency as a critical problem in wheat production in Central Anatolia *Plant and Soil* **180** 165-172 AGRIS 97-119327
With Cukurova University, Adana TR; International Winter Cereal Research Center, Konya TR; and Transitional Agriculture Research Institute, Eskisehir TR

TR 1996 CAKMAK-2 J Cakmak, N Sari, H Marschner, H Ekiz, M Kalayci, A Yilmaz and H J Braun*. Phytosiderophore release in bread and durum wheat genotypes differing in zinc efficiency *Plant and Soil* **180** 183-189 AGRIS 97-119329
With Cukurova University, Adana TR; International Winter Cereal Research Center, Konya TR; Transitional Agriculture Research Institute, Eskisehir TR; and Universität Hohenheim, Stuttgart DE

TR 1996 MAKKOUK K M Makkouk, L Bertschinger*, M Conti, N Bolat and F Dusunceli. Barley yellow striate mosaic rhabdovirus naturally infects cereal crops in the Anatolian plateau of Turkey *J. Phytopathology* **144** 413-415
With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY; Instituto di Fitovirologia Applicata, Turin IT; Transitional-Zone Agricultural Research Institute, Eskisehir TR; and Field Crops Central Research Institute, Ankara TR

TR 1997 CAKMAK I Cakmak, R Derici, B Torun, I Tolay, H J Braun* and R Schlegel. Role of rye chromosomes in improvement of zinc efficiency in wheat and triticale *Plant and Soil* **196** 249-253
With Cukurova University, Adana TR

TR 1997 MAMLUK O F Mamluk, L Çetin, H-J Braun*, N Bolat, L Bertschinger*, K M Makkouk, A F Yildirim, E E Saari*, N Zencirci, S Albustan, S Cali, S P S Beniwal and F Düsünceli. Current status of wheat and barley diseases in the Central Anatolian Plateau of Turkey *Phytopathologia Mediterranea* **36** 167-181

With International Center for Agricultural Research in the Dry Areas ICARDA, Aleppo SY; Central Research Institute for Field Crops, Ankara TR; Transitional Zone Agricultural Research Institute, Eskisehir TR; Bahri Dagdas International Center for Winter Cereals, Konya TR; and Plant Protection Research Institute, Adana TR

TR 1999 CAKMAK-1 I Cakmak, M Kalayci, H Ekiz, H J Braun*, Y Kilinc and A Yilmaz. Zinc deficiency as a practical problem in plant and human nutrition in Turkey: a NATO-science for stability project *Field Crops Research* **60** 175-180

With Cukurova University, Adana TR; Transitional Zone Agricultural Research Institute, Eskiseher TR; and International Winter Cereals Research Centre, Konya TR

TR 1999 CAKMAK-2 Ismail Cakmak, Inci Tolay, Hakan Özkan, Aytül Özdemir and Hans J Braun*. Variation in zinc efficiency among and within *Aegilops* species *J. Plant Nutrition and Soil Science* **162** 257-262

With Cukurova University, Adana TR

TR 1999 CAKMAK-3 I Cakmak, O Cakmak, S Eker, A Ozdemir, N Watanabe and H J Braun*. Expression of high zinc efficiency of *Aegilops tauschii* and *Triticum monococcum* in synthetic hexaploid wheats *Plant and Soil* **215** 203-209 AGRIS 2000-033572

With Cukurova University, Adana TR

TR 2000 CAKMAK I Cakmak, H Ozkan, H J Braun*, R M Welch and V Romheld. Zinc and iron concentrations in seeds of wild, primitive, and modern wheats *Food and Nutrition Bull.* **21** 401-403

With Cukurova University, Adana TR; Weizmann Institute of Science, Rehovot IL; Plant, Soil and Nutrition Laboratory USDA, Ithaca (New York) US; and Universität Hohenheim, Stuttgart DE

TR 2000 TORUN B Torun, G Bozbay, L Gultekin, H J Braun*, H Ekiz and I Cakmak. Differences in shoot growth and zinc concentration of 164 bread wheat genotypes in a zinc-deficient calcareous soil *J. Plant Nutrition* **23** 1251-1265

With Cukurova University, Adana TR and International Winter Wheat Research Center, Konya TR

TR 2001 TOLAY I Tolay, B Erenoglu, V Römheld, H J Braun* and I Cakmak. Phytosiderophore release in *Aegilops tauschii* and *Triticum* species under zinc and iron deficiencies *J. Experimental Botany* **52** 1093-1099

With Cukurova University, Adana TR and Universität Hohenheim, Stuttgart DE

TZ 1999 MWANGI Wilfred Mwangi*, Hugo Verkuijl* and Shekani Bisanda. Gender differentials in adoption of improved maize production technologies in Mbeya region of the southern highlands of Tanzania *Eastern Africa Social Science Research Review* **15** 65-77

With MARTI Uyole, Mbeya TZ

TZ 2000 KALIBA Aloyce R M Kaliba, Hugo Verkuijl* and Wilfred Mwangi*. Factors affecting adoption of improved maize seeds and use of inorganic fertilizer for maize production in the intermediate and lowland zones of Tanzania *J. Agricultural and Applied Economics* **32** 35-47

With Ministry of Agriculture TZ

- UY 2002 FRANCO-1** Jorge Franco and José Crossa*. The modified location model for classifying genetic resources: I. Association between categorical and continuous variables *Crop Science* **42** 1719-1726
With Universidad de la República Oriental del Uruguay, Montevideo UY
- UY 2002 FRANCO-2** Jorge Franco, José Crossa*, Suketoshi Taba* and Steve A Eberhart. The modified location model for classifying genetic resources: II. Unrestricted variance-covariance matrices *Crop Science* **42** 1727-1736
With Universidad de la República Oriental del Uruguay, Montevideo UY and National Seed Storage Laboratory USDA, Fort Collins (Colorado) US
-
- VE 1998 SAN VICENTE** F M San Vicente, A Bejarano, C Marin and J Crossa*. Analysis of diallel crosses among improved tropical white endosperm maize populations *Maydica* **43** 147-153
AGRIS 2000-009589
With Centro Nacional de Investigaciones Agropecuarias CENIAP, Maracay VE
-
- ZW 1989 ANANDAJAYASEKERAM** P Anandajayasekeram* and M Rukuni. Institutionalisation of on-farm research with farming systems perspectives (OFR/FSP) in eastern and southern African region: achievements and future direction *Zimbabwe J. Agricultural Research* **27** 67-81
With University of Zimbabwe, Harare ZW
- ZW 1989 SHUMBA** E M Shumba, S R Waddington* and M Rukuni. Delayed maize plantings in a smallholder farming area of Zimbabwe: problem diagnosis *Zimbabwe J. Agricultural Research* **27** 103-112
With Department of Research and Specialist Services, Causeway ZW and University of Zimbabwe, Harare ZW
- ZW 1990 SHUMBA** E M Shumba, R H Bernstein and S R Waddington*. Maize and groundnut yield gap analysis for research priority setting in the smallholder sector of Zimbabwe *Zimbabwe J. Agricultural Research* **28** 105-113
With Department of Research and Specialist Services, Causeway ZW and Michigan State University, East Lansing (Michigan) US
- ZW 1992 SHUMBA** E M Shumba, S R Waddington* and M Rukini. Use of tine-tillage, with atrazine weed control, to permit earlier planting of maize by smallholder farmers in Zimbabwe *Experimental Agriculture* **28** 443-452
With Department of Research and Specialist Services, Causeway ZW and University of Zimbabwe, Harare ZW
- ZW 1994 CHIDUZA** C Chiduzza, S R Waddington* and I K Mariga. Grain yield and economic performance of experimental open-pollinated varieties and released hybrids of maize in a remote semi-arid area of Zimbabwe *Zimbabwe J. Agricultural Research* **32** 33-43 AGRIS 97-017713
- ZW 1995 CHIDUZA** C Chiduzza, S R Waddington* and M Rukuni. Evaluation of sorghum technologies for smallholders in a semi-arid region of Zimbabwe: (Part I) Production practices and development of an experimental agenda; (Part II) Sorghum varieties against fertilizer trials *J. Applied Science in Southern Africa* **1** 1-9; 11-22
With University of Zimbabwe, Harare ZW
- ZW 2000 JERANYAMA** Peter Jeranyama, Oran B Hesterman, Stephen R Waddington* and Richard R Harwood. Relay-intercropping of sunnhemp and cowpea into a smallholder maize system in Zimbabwe *Agronomy J.* **92** 239-244
With Michigan State University, East Lansing (Michigan) US and Agricultural Technical and Extension Services AGRITEX, Domboshava ZW
- ZW 2001 DERERA-1** J Derera, K V Pixley* and P Denash Giga. Resistance of maize to the maize weevil: I. Antibiosis *African Crop Science J.* **9** 431-440
With University of Zimbabwe, Harare ZW

ZW 2001 DERERA-2 J Derera, P Denash Giga and K V Pixley*. Resistance of maize to the maize weevil: II. Non-preference *African Crop Science J.* **9** 441-450
With University of Zimbabwe, Harare ZW

ZW 2001 WADDINGTON S R Waddington* and J Karigwindi*. Productivity and profitability of maize + groundnut rotations compared with continuous maize on smallholder farms in Zimbabwe *Experimental Agriculture* **37** 83-98
With AGRITEX Training Centre, Domboshava ZW

PART C - INDEX BY JOURNAL

Acta Agronomica Sinica (CN)

CN 2001 YUAN

CN 2002 LIU

CN 2002 ZHANG-FL

Acta Científica Potosina (MX)

MX 2000 CUÉLLAR

Acta Genetica Sinica (CN)

CN 2000 YUAN

Advances in Agronomy (US)

1974 ZILLINSKY

1984 SKOVMAND

1990 CROSSA-1

1992 PANDEY

African Crop Science J. (UG)

1996 GUEI

1998 MUGO

ET 1994 AMSAL

ET 1994 FASIL

ET 1994 TANNER

ET 1994 ZEWDU

ET 1995 AMSAL-1

ET 1995 AMSAL-2

ET 1995 ASMARE

ET 1995 SOLOMON

ET 1995 TANNER

ET 1996 TAYE-1

ET 1996 TAYE-2

ET 1997 AMSAL

ET 1997 ASEFA-1

ET 1997 ASEFA-2

ET 1997 ASEFA-3

ET 1997 TAYE

ET 1999 BELAY

ET 1999 SELAMYIHUN

ET 2000 ESILABA

ET 2000 GIRMA

ET 2002 ASEFA-1

ET 2002 EFREM

KE 1993 ODHIAMBO

KE 1994 SAHA

ZW 2001 DERERA-1

ZW 2001 DERERA-2

Agrekon (ZA)

1999 HASSAN

Agribusiness (US)

1993 LÓPEZ-PEREIRA

Agricultura Técnica (CL)

1991 HERRERA

MX 1997 VIDAL

MX 2002 VIDAL

Agricultura Técnica en México (MX)

MX 1997 RAMÍREZ

MX 1999 GUILLÉN

Agricultural Administration and Extension (US) *started 1987, formerly Agricultural Administration*

1981 COLLINSON

1987 BYERLEE-1

IN 1980 BIGGS

PA 1984 MARTÍNEZ

Agricultural Economics (NL)

1989 MORRIS

1991 MARTÍNEZ

1994 RENKOW

1994 SMALE-1

1996 MAREIDIA

2000 MAREIDIA

2001 DOSS-1

2001 KOSAREK

KE 1996 HASSAN

MX 1992 BRENNAN

NP 1994 MORRIS

PK 1990 TETLAY

PK 1994 HUSSAIN

Agricultural and Forest Meteorology (NL), started 1984, formerly Agricultural Meteorology

1975 LAING

2002 LOBELL

Agricultural Sciences in China (CN)

CN 2002 YAN

CN 2002 ZHANG-Y

Agricultural Systems (GB)

1994 FUJISAKA
PK 1987 BYERLEE-1

PK 1993 SHAFIQ
PK 1994 VAN NIEUWKOOP

Agriculture, Ecosystems & Environment (NL)

1998 SNAPP

Agrociencia (MX)

AR 1973 PARISI
AR 1973 TORRES
MX 1969 HEWSTONE
MX 1969 MAYA
MX 1969 POEY
MX 1970 HERNÁNDEZ
MX 1972 BERARDO
MX 1972 MENDOZA
MX 1973 LÓPEZ
MX 1973 MARTÍNEZ
MX 1973 TURRENT
MX 1974 CAMINO
MX 1974 ORELLANO
MX 1974 SENMACHE
MX 1975 AGUILAR
MX 1975 ARJONA

MX 1975 RAMÍREZ
MX 1975 SALAZAR
MX 1975 VALENCIA
MX 1975 VÁZQUEZ
MX 1978 CERVANTES
MX 1978 SARTORI
MX 1979 CÓRDOVA
MX 1983 CAVIEDES
MX 1984 BARAHONA
MX 1984 GILCHRIST-1
MX 1984 GILCHRIST-2
MX 1984 ORTIZ
MX 1986 GILCHRIST
MX 1987 PAGLIETTINI
MX 1988 HUERTA
MX 1989 IRETA

MX 1991 CASTRO
MX 1992 JAIME
MX 1993 CLAURE
MX 1993 MATUS
MX 1993 VAN NIEUWKOOP
MX 1996 DE GRACIA
MX 1996 TRUJILLO
MX 1997 GUTIÉRREZ
MX 1997 QUERO
MX 1999 SANDOVAL
MX 2000 AGUILAR-RINCÓN-1
MX 2000 AGUILAR-RINCÓN-2
MX 2000 SERRATO-CRUZ-1
MX 2000 SERRATO-CRUZ-2
MX 2001 PÉREZ-BRITO

Agronomía Tropical (VE)

1999 SAN VICENTE

Agronomie Tropicale (FX)

MX 1992 SCOPEL

Agronomy J. (US)

1969 LAIRD
1970 RIES
1973 LUXMOORE
1976 FISCHER-1
1979 SOJKA
1981 SOJKA
1991 BOLAÑOS
1991 BONHOMME
1991 KANG-1

1993 EDMEADES-1
1993 POLLAK
1993 SAIN
1993 SRINIVASAN
1995 RAUN
1997 CHAPMAN-1
1999 HARTKAMP
2000 ELINGS
2000 LIMON-ORTEGA-1

2000 LIMON-ORTEGA-2
2001 FEDERER
2001 VARGAS
BD 1998 TIMSINA
BD 1999 BADARUDDIN
CO 1996 URREA-GÓMEZ
TR 1986 KHALEEQ
ZW 2000 JERANYAMA

American J. Agricultural Economics (US)

1977 MOSCARDI
1986 BYERLEE-1
1986 BYERLEE-2
1991 HEISEY
1991 LEATHERS

1992 TRAXLER
1993 RENKOW
1993 TRAXLER
1994 SMALE-2
1995 BYERLEE

1995 GLADWIN
1995 TRAXLER
1997 HEISEY
1998 SMALE-1
2000 GOLLIN

American J. Alternative Agriculture (US)

MX 1991 SINGH-1

American J. Botany (US)

1995 LEBLANC-1

Annals of Agricultural Research (IN)

1999 PANWAR

Annals Assoc. American Geographers (US)

1990 BEBBINGTON

Annals of Applied Biology (GB)

1990 WARHAM-1

1993 WEBBY

Annals of Biology (IN)

1992 MUJEEB-KAZI

1993 MUJEEB-KAZI

1995 MUJEEB-KAZI-1

Annals of Botany (GB)

1994 TURNER

2002 ARAUS

Annals Entomological Soc. America (US)

1990 McCAULEY

1990 PASHLEY

Annual Review of Phytopathology (US)

1974 SAARI

1981 DUBIN

1978 YOUNG

1996 DUBIN

Applied and Environmental Microbiology (US)

1995 BRAGARD

Archives of Virology (AT)

2001 CHOI

Australian J. Agricultural Research (AU)

1977 FISCHER-1

1994 TRETOWAN

2000 VILLEGAS

1978 FISCHER-1

1996 PENROSE-1

2001 FERRIO

1978 FISCHER-2

1996 PENROSE-2

2001 SHARP

1979 FISCHER-1

1996 TRETOWAN

2001 SIVAPALAN

1979 FISCHER-2

1998 BRENNAN

2002 REEVES

1993 TRETOWAN

2000 SIVAPALAN

Australian J. Plant Physiology (AU)

1980 FISCHER

2000 BARBOUR

2001 MAES

1994 REYNOLDS-1

2000 CALDERINI

Bangladesh J. Agricultural Research (BD)

1982 AHMED

Bangladesh J. Plant Pathology (BD)

BD 1995 MALAKER

Biology and Fertility of Soils (DE)

ET 2000 AMANUEL

Biometrics (US)

1996 GRONDONA

Breeding Science (JP)

1994 INAGAKI

1994 VILLAREAL-1

1995 INAGAKI-1

1995 INAGAKI-2

2001 SINGH

Bull. Indonesian Economic Studies (AU)

ID 1981 MONTGOMERY

Bull. OEPP (GB)

1994 DUVEILLER-1

Canadian J. Agricultural Economics (CA)

1991 TAYLOR

Canadian J. Botany (CA)

1978 THOMAS

1989 DHALIWAL-1

MX 1993 SERRATOS

Canadian J. Genetics and Cytology (CA), *see* Genome**Canadian J. Plant Pathology (CA)**

1986 WARHAM-1

1988 WARHAM-1

1992 BORLAUG

IN 2002 SINGH

Canadian J. Plant Science (CA)

1979 MUCHENA

2001 GAUDET

Canadian J. Soil Science (CA)

ET 2000 SELAMYIHUN

Cereal Chemistry (US)

1977 CHIBBER

1983 ORTEGA

1986 ORTEGA

1991 ORTEGA

1991 PAULIS

Cereal Research Communications (HU)

1977 THOMAS

1980 MUJEEB-KAZI

1980 NELSON

1981 MUJEEB-KAZI-1

1982 MUJEEB-KAZI-1

1984 MUJEEB-KAZI-1

1985 MUJEEB-KAZI-1

1986 WADDINGTON-1

1989 SINGH-RP

1990 RANSOM-1

1990 RIERA-LIZARAZ

1993 IMMONEN-1

1994 DHILLON

1995 BOHOROVA-1

1995 VILLAREAL-1

1996 FUENTES-DÁVILA

1997 INAGAKI-1

1999 MUJEEB-KAZI-1

1999 VILLAREAL

2000 REKIKI

2001 MERAH-1

2002 PRITCHARD

IN 1993 DHILLON

IN 2002 TRIPATHI

MX 1995 DÍAZ DE LEÓN

PK 2001 MUJEEB-KAZI

Cereal Science Today (US)

1974 BATES

Chemico-Biological Interactions (IE)

1977 BATES

Communications in Soil Science and Plant Analysis (US)

1991 RAUN

1995 BELL-1

ET 1995 TILAHUN

Conservation Ecology (CA) – an online journal

2002 HARRINGTON

Crop Protection (GB)

1989 SMILANICK

1994 FUENTES-DÁVILA-1

1996 KUMAR-1

2000 RANSOM

2002 KUMAR-1

2002 KUMAR-2

BR 1992 MEHTA

IL 2001 KANAMPIU

IL 2002 KANAMPIU-1

IN 1993 SHARMA

KE 2001 OSWALD-1

KE 2002 OSWALD

Crop Science (US)

1968 CASTRO

1975 FISCHER

1976 FISCHER-2

1976 FISCHER-3

1976 SINGH

1981 FISCHER

1982 REGER

1983 REGER

1986 JOHNSON

1986 PANDEY

1986 WADDINGTON-2

1987 FISCHER-KS

1987 PANDEY

1988 PHAM

1989 BARKER

1989 DE LEÓN

1989 PETERSON

1990 CROSSA-2

1990 CROSSA-3

1991 BECK

1991 CALHOUN-1

1991 CALHOUN-2

1991 CEBALLOS

1991 PANDEY

1991 SINGH-1

1991 YAU

1992 BARKER

1992 BRAUN

1992 DAS

1992 ELLIS-1

1992 ELLIS-2

1992 SINGH-5

1992 THOME

1992 VASAL-1

1992 VASAL-2

1993 ARAUS

1993 DE LEÓN

1993 EDMEADES-2

1993 GRANADOS

1993 PIXLEY

1993 RANIERI-1

1993 RIERA-LIZARAZU

1993 SINGH-1

1993 SINGH-2

1993 VASAL-1

1993 VASAL-2

1994 BONHOMME

1994 CALHOUN

1994 DUQUE-VARGAS

1994 EAGLES

1994 PIXLEY

1994 SOUZA

1994 THOME

1995 BYRNE

1995 CROSSA-1

1995 CROSSA-2

1995 LAFITTE-1

1995 MOSAAD-1

1995 OLMEDA-ARCEGA

1995 RAGOT

1995 VASAL-1

1996 ABDALLA

1996 AUTRIQUE

1996 BOHN

1997 ABDALLA

1997 BÄNZIGER-1

1997 BÄNZIGER-2

1997 BOHN

1997 CROSSA

1997 FURMAN

1997 NELSON

1997 ORTIZ-MONASTERIO-1

1997 ORTIZ-MONASTERIO-2

1997 RINCON

1997 SAYRE

1997 VAN BEUNINGEN

1997 VILLAREAL

1998 BARRETT

1998 FISCHER

1998 GROH-1

1998 NELSON

1998 SOUZA

1998 TABA

1999 BÄNZIGER

1999 CHAPMAN

1999 CORNELIUS

1999 EDMEADES

1999 REYNOLDS

2000 DEL BLANCO

2000 GIAUFFRET

2001 DEL BLANCO

2001 MERAH-2

2001 MICKELSON

2001 PARDEY

2001 TRETOWAN-1

2001 YAN

2002 CASTRO

2002 CROSSA

2002 HESSLER

2002 PIXLEY

2002 RIBAUT

2002 SMALE

2002 TRETOWAN

2002 WARBURTON-1

2002 WILLCOX

BR 1994 PANDEY

BR 1997 CROSSA

BR 1999 VENCOVSKY

CO 1995 PÉREZ-VELÁSQUEZ

CO 1997 SALAZAR

MX 1997 FRANCO-1

MX 1997 FRANCO-2

MX 1997 SINGH

MX 1998 FRANCO

MX 1998 SAYRE

MX 1998 SINGH-1

MX 1998 VARGAS

MX 1999 FRANCO

MX 1999 VARGAS

NP 1997 SHARMA-1

UY 2002 FRANCO-1

UY 2002 FRANCO-2

Cryptogamic Botany (DE)

1991 DITTRICH

Cultivos Tropicales (CU)

CU 1996 IGLESIAS

Current Science (IN)

1988 DHALIWAL

1989 DHALIWAL-2

2001 PRASANNA

Cytologia (JP)

1984 MUJEEB-KAZI-2

1996 MUJEEB-KAZI-2

1996 MUJEEB-KAZI-5

1985 MUJEEB-KAZI-2

1996 MUJEEB-KAZI-3

1996 WILLIAM

1996 MUJEEB-KAZI-1

1996 MUJEEB-KAZI-4

Desarrollo Rural en las Américas (CR)

AR 1984 MOSCARDI

Eastern Africa Social Science Research Review (ET)

TZ 1999 MWANGI

Ecological Applications (US)

2000 PANEK

Economic Botany (US)

1976 RANDOLPH

2000 CLEVELAND

MX 2000 AGUIRRE

1995 BUCKLES

2001 SOLERI

Economic Development and Cultural Change (US)

1979 GAFSI

1993 MORRIS

MX 2001 SMALE

1987 BYERLEE-2

1995 SMALE-1

Egyptian J. Genetics and Cytology (EG)

EG 1975 SHEHATA

Entomologia Experimentalis et Applicata (NL)

2001 EBBERT

Entomophaga (FX)

MX 1996 BOHOROVA

Environmental Entomology (US)

1974 SULLIVAN

1991 MAREDIA-1

Ethiopian J. Agricultural Economics (ET)

ET 1997 ASFAW

Ethiopian J. Agricultural Science (ET)

ET 1992 WORKNEH

Ethiopian J. Natural Resources (ET)

ET 2001 AMSAL
ET 2001 ASEFA

ET 2001 MINALE
ET 2002 ASEFA-2

Euphytica (NL)

1977 LAING
1978 LEIHNER
1979 JAMES
1981 THOMAS
1989 BROERS
1989 CROSSA-1
1990 FOX
1991 FURINI
1991 HE
1991 SINGH-2
1992 HE
1992 ROBINSON-1
1993 DANIAL
1993 DAS
1993 DUVEILLER-1
1993 IMMONEN-2

1993 IMMONEN-3
1994 ARNASON
1994 DeLACY
1994 HE
1994 MORGUNOV
1994 SINGH
1995 MA-1
1995 MA-2
1995 SINGH-G-1
1995 VASAL-2
1996 PENROSE-3
1996 VILLAREAL-1
1997 BROERS
1997 CHAPMAN-2
1997 CHAPMAN-3
1997 MA-1

1998 GE
1998 INAGAKI-1
1998 VILLAREAL
2000 SOLERI
2001 BÄNZIGER
2001 BORU
2002 AYALA
2002 MANSKE
EC 1996 BROERS
IL 1983 EYAL
IL 1990 DANON
IL 1992 EYAL
IN 2002 DHALIWAL
MX 1995 SINGH-1
MX 2000 LOUETTE

European J. Agronomy (NL)

1997 ELINGS

MX 2001 MANSKE

Experimental Agriculture (GB)

1977 FISCHER-2
1977 FISCHER-3
1987 COLLINSON
1988 BYERLEE
1988 CROSSA-1

1990 TRIPP-1
1991 BYERLEE-1
1991 LOW
2002 SHAMUDZARIRA
PK 1989 BYERLEE-1

PK 1993 BYERLEE
ZW 1992 SHUMBA
ZW 2001 WADDINGTON

Fertilizer Research (NL)

1995 BARRETO

ET 1996 TILAHUN

Field Crops Research (NL)

1982 MIDMORE
1983 MUCHENA
1984 MIDMORE
1985 KANEMASU
1987 FISCHER-RA
1989 FISCHER
1989 RANSOM
1991 ESKRIDGE
1992 CROSSA
1993 BOLAÑOS-1
1993 BOLAÑOS-2
1993 BOLAÑOS-3
1993 SELMANI
1994 BELL
1994 DUBIN
1994 LAFITTE

1994 REYNOLDS-2
1995 BÄNZIGER
1995 BELL-2
1995 BOLAÑOS
1995 SAYRE
1995 WANG
1996 BOLAÑOS
1997 LAFITTE-1
1997 LAFITTE-2
1997 LAFITTE-3
1998 BIRCH
1999 BINDRABAN
1999 GRAHAM
2002 FISCHER
2002 HARTKAMP-1
2002 HARTKAMP-2

2002 REYNOLDS
2002 WHITE
AR 1997 ABBATE
BD 2001 TIMSINA
ET 1993 TANNER-1
IN 1994 ORTIZ-MONASTERIO
IR 2002 AYENEH
MX 1998 BINDRABAN
MX 2000 GUTIÉRREZ-RODRÍGUEZ
MX 2000 REYNOLDS
MX 2001 TRETOWAN
NP 1996 SHARMA
NP 1999 ADHIKARY
TR 1999 CAKMAK-1

Fitopatologia Brasileira (BR)

1993 BRAGARD-1

Fitotecnia Latinoamericano (CR)

MX 1968 CASAS

Food Additives and Contaminants (GB)

TH 1995 DE LEON

Food and Nutrition Bull. (JP)

2000 BÄNZIGER	2000 VASAL
2000 [ORTIZ-] MONASTERIO	TR 2000 CAKMAK

Food Policy (GB)

1983 BYERLEE	1993 BYERLEE-1	BD 1996 MORRIS
1990 TRIPP-2	1996 BYERLEE	IN 1998 MORRIS
1991 BYERLEE-2	2002 PINGALI	KZ 2000 MENG

Food Reviews International (US)

1993 WINKELMANN

Genetic Resources and Crop Evolution (NL)

1992 ROBINSON-4	1999 HEDE-1	MA 1999 EL BOUHSSINI
1996 MUJEEB-KAZI-6	2000 DeLACY-1	

Genetica (NL)

1997 JIANG

Genetica Polonica (PL)

1977 ROGALSKA

Genetics (US)

1968 CASAS

Genetika (CS)

1976 JOVANOVIC	1984 PANDEY	1984 SPRAGUE
----------------	-------------	--------------

Genome (CA) started 1987, formerly Canadian J. Genetics and Cytology

1984 GUSTAFSON	1992 SINGH-1	1997 WILLIAM
1986 LAURIE	1993 WILLIAM-1	1999 RAJARAM
-----	1995 AUTRIQUE	2002 PELLEGRINESCHI-1
1987 MUJEEB-KAZI	1995 NELSON-1	
1991 HEUN	1995 NELSON-2	

Hereditas (SE)

1975 MERKER

Heredity (GB)

1976 BYTH	1998 GRIMANELLI-1
1986 WESTCOTT	1998 GRIMANELLI-2
1993 GUEI	

Human Organization (US)

1985 TRIPP KE 1984 FRANZEL

IAALD Quarterly Bull. (US)

1995 WOOLSTON

Indian J. Genetics and Plant Breeding (IN)

1967 ATHWAL 1979 RAJARAM 2001 PANWAR

Indian Phytopathology (IN)

1972 RAJARAM 1989 SINGH-DV 1994 KAUR-2
1982 NAGARAJAN-1 1994 DE LEON IN 1989 BHAT
1988 SINGH-1 1994 KAUR-1

Indonesian J. Crop Science (ID)

1990 KASIM

Insect Science and its Applications (KE)

1985 MIHM 1997 BERGVINSON KE 2002 DE GROOTE

Integrated Pest Management Reviews (NL)

IL 2002 KANAMPIU-2

International J. Agrarian Affairs (GB)

1973 BORLAUG

International J. Pest Management (GB)

IL 1996 GRESSEL MX 1994 BAJET

Israel J. Plant Sciences (IL)

2001 RAJARAM

J. Agricultural and Applied Economics (US)

TZ 2000 KALIBA

J. Agricultural Economics (GB)

IN 1990 SINGH PK 1993 HEISEY

J. Agricultural Research (PK)

PK 1988 SHAFIQUE PK 1988 SHARIF-1 PK 1989 AHMAD

J. Agricultural Science (GB)

1974 GOLDSWORTHY-1 1976 FISCHER-5 1987 WESTCOTT
1974 GOLDSWORTHY-2 1985 FISCHER 1990 AGGARWAL
1976 FISCHER-4 1987 WADDINGTON 1994 REYNOLDS-3

J. Agronomic Education (US) *see* J. Natural Resources and Life Sciences Education

J. Agronomy and Crop Science (DE)

1992 VILLAREAL
1993 ROBINSON-1

1994 VILLAREAL-2
1996 AMANI

J. Animal Science (US)

MX 1971 SHIMADA-3

J. Applied Earth Observation and Geoinformation (NL)

2001 BOER

J. Applied Science in Southern Africa (ZW)

ZW 1995 CHIDUZA

J. Asian Farming Systems Association (?)

1991 BYERLEE-3
1991 TRAXLER

1991 TRIPP
1992 CONNELL

J. Australian Inst. Agricultural Science (AU)

1976 AITKEN
1976 FISCHER-6

J. Cereal Science (GB)

1990 PEÑA
1994 PEÑA
1995 PEÑA

J. Economic Entomology (US)

1991 ROBINSON
1992 ROBINSON-2
1992 ROBINSON-3

1992 WISEMAN
1993 ROBINSON-2
1994 BERGVINSON

MX 1997 BOHOROVA

J. Experimental Botany (GB)

1995 GURNEY
2000 REYNOLDS

2002 FRACHEBOUD
TR 2001 TOLAY

J. Farming Systems Research-Extension (US)

1992 HARRINGTON
KE 1992 FRANZEL
NP 1990 HARRINGTON

J. Geophysical Research (US)

2001 PÉREZ

J. Genetics & Breeding (IT)

1992 NACHIT-1
1992 NACHIT-2
1992 RIERA-LIZARAZU
1992 WILLIAM-1

1993 MORGUNOV
1993 RAYBURN
1994 VILLAREAL-3
1994 WILLIAM

1994 YAU
1995 MOSAAD-2
BR 1997 CRISTALDO-1

J. Hebei Agrotechnical Teachers College (CN)

CN 1994 LI

J. Heredity (US)

1978 MUJEEB	1981 MUJEEB-KAZI-4	1983 MUJEEB-KAZI-2
1981 MUJEEB-KAZI-2	1982 MUJEEB-KAZI-2	1996 LEBLANC
1981 MUJEEB-KAZI-3	1983 MUJEEB-KAZI-1	MX 1993 HERNÁNDEZ-1

J. International Development (GB)

1990 HEISEY	1994 SMALE-3
1992 BYERLEE	PK 1991 ALI

J. Mycology and Plant Pathology (IN)

IN 2000 SINGH

J. Natural Resources and Life Sciences Education (US) started 1992, formerly J. Agronomic Education

1975 SWANSON	-----	1993 VILLAREAL-2
1990 RAAB	1993 BELL-1	
1990 TRIPP-3	1993 VILLAREAL-1	

J. Phytopathology (DE)

1993 BRAGARD-2	1995 DUVEILLER	TR 1996 MAKKOUK
----------------	----------------	-----------------

J. Plant Nutrition (US)

TR 2000 TORUN

J. Plant Nutrition and Soil Science (DE)

1999 EGLE	2002 COLLET	TR 1999 CAKMAK-2
-----------	-------------	------------------

J. Science of Food and Agriculture (GB)

1979 EGGUM	1992 PEÑA	MX 1996 MARTÍNEZ
------------	-----------	------------------

J. Soil and Water Conservation (US)

SV 1996 SAIN

J. Stored Products Research (NL)

2002 KUMAR-3

J. Sustainable Agriculture (US)

1995 HARRINGTON

Journalism Quarterly (US)

MX 1971 VÁSQUEZ

Lebensmittel-Wissenschaft und Technologie (DE)

MX 1990 ORDORICA-FALOMIR

Maydica (IT)

1978 GOERTZ
1989 CROSSA-2
1989 POLLAK
1990 BECK
1990 CROSSA-4
1990 TABA
1991 HAN
1992 BORRERO
1992 GUEI
1992 VASAL-3
1992 VASAL-4
1992 VASAL-5

1993 TANG
1994 FURINI
1994 VASAL
1995 BOHOROVA-2
1995 EBERHART
1995 FURINI
1995 KUMAR
1995 LAFITTE-2
1995 VASAL-3
1996 CORDOVA
1996 KUMAR-2
1996 RINCON

1997 KUMAR
1998 CASTELLANOS
1999 HEDE-2
1999 LU
1999 NOURSE
1999 VASAL
2000 NARRO
BR 1995 BORRERO
PE 1999 MORALES
TH 1993 FEIL
VE 1998 SAN VICENTE

Molecular Biology (NL)

1998 WELZ

Molecular Breeding (NL)

1999 RIBAUT

Mountain Research and Development (US)

1999 WALL

Mycopathologia (NL)

1992 HOCK-1

Nature (GB)

1977 BIDINGER

Netherlands J. Plant Pathology (NL)

ET 1990 AYELE

Nutrient Cycling in Agroecosystems (NL)

1997 MWANGI

2001 RILEY

Pakistan Agricultural Development Review (PK)

PK 1991 BYERLEE

Pakistan Development Review (PK)

1993 BYERLEE-2

Pakistan J. Agricultural Research (PK)

1983 ASLAM
PK 1985 HOBBS

PK 1986 KHAN
PK 1986 RAZZAQ

PK 1990 KHAN

Pakistan J. Agricultural Social Sciences (PK)

PK 1986 BYERLEE
PK 1987 BYERLEE-2
PK 1987 HEISEY

PK 1988 SHARIF-2
PK 1988 SHEIKH
PK 1990 BYERLEE

PK 1990 HUSSAIN

Pakistan J. Botany (PK)

1985 MUJEEB-KAZI-3
PK 1990 JAHAN

PK 1991 TER-KUILE
PK 1991 VAHIDY

PK 1994 MUJEEB-KAZI

Parasitica (BE)

1990 DUVEILLER-1

1994 DUVEILLER-2

Pesquisa Agropecuária Brasileira (BR)

BR 1994 ROSA

BR 1997 QUINTANA

BR 2000 CAVIEDES

Pesquisa Agropecuária Gaúcha (BR)

1997 CRISTALDO-2

Philippine Agriculturist (PH)

PH 1974 NAZAREA

Phytoparasitica (IL)

IN 1977 NAGARAJAN

Phytopathologia Mediterranea (IT)

TR 1997 MAMLUK

Phytopathology (US)

1982 CUNFER
1984 NAGARAJAN-1
1985 EYAL
1985 SCHAREN
1988 CASHION
1988 GOATES

1992 CEBALLOS
1992 SINGH-2
1992 SINGH-3
1995 BROERS
1996 KEMA-1
1996 KEMA-2

2001 AYALA-1
IL 1983 YECHILEVICH-AUSTER
IL 1992 ZELIKOVITCH
MX 1974 LÓPEZ
MX 1998 SINGH-2

Plant Breeding (Z. Pflanzenzüchtung) (DE)

1977 AITKEN
1981 PILCH-2
1985 HEYSER
1985 MUJEEB-KAZI-5
1987 FORSTER
1988 ALAM
1989 EFRON
1989 GUSTAFSON
1991 VILLAREAL
1992 IMMONEN

1994 VILLAREAL-4
1995 FUENTES-DAVILA
1995 LEBLANC-2
1995 ORTIZ-FERRARA
1995 SINGH-G-2
1995 VILLAREAL-2
1995 VILLAREAL-3
1996 VILLAREAL-2
1997 INAGAKI-2
1998 GROH-2

1998 INAGAKI-2
1998 KHAIRALLAH
2001 BOHOROVA
2001 TRETOWAN-2
2002 HEDE
MA 1992 JLIBENE
MA 1994 JLIBENE
MX 1998 SANDOVAL-ISLAS
NP 1997 SHARMA-2

Plant Breeding Abstracts (GB)

1993 RAJARAM

1993 WEDDERBURN

Plant Breeding Reviews (US)

1990 VILLAREAL
1992 BJARNASON

1997 VASAL
2000 SAVIDAN

Plant Cell (US)

MX 2002 NIETO-SOTELO

Plant Cell Reports (DE)

2002 PELLEGRINESCHI-2 BR 1997 CARVALHO

Plant Cell, Tissue and Organ Culture (NL)

1996 IMMONEN IL 2002 KANAMPIU-3

Plant Disease (US) started 1980, formerly Plant Disease Reporter

1975 SAARI	1990 WARHAM-3	1996 MA-2
-----	1992 DUVEILLER	1996 MILUS
1982 DUBIN	1992 LAWN	1996 VAN GINKEL
1983 DUBIN	1992 SINGH-4	1997 MA-2
1986 DUBIN	1993 RANIERI-2	1998 SMALE-2
1987 SMILANICK	1993 SINGH-3	1999 SINGH
1988 DATNOFF	1993 SINGH-4	IL 1991 ZELIKOVITCH
1989 BAJET	1994 BROERS	MX 1988 ZAMORA
1989 DUBIN	1994 DUVEILLER-3	MX 1991 SINGH-2
1989 WARHAM	1995 SINGH-RP	MX 1994 HUERTA-ESPINO
1990 DREPPER	1995 VILLAREAL-4	MX 1995 SINGH-2
1990 DUVEILLER-2	1996 BONDE	MX 2001 SÁNCHEZ- SÁNCHEZ
1990 VAN BEUNINGEN	1996 BROERS	NP 1989 SINGH
1990 WARHAM-2	1996 MA-1	TH 1983 BONMAN

Plant Genetic Resources Newsletter (IT)

Refereed 'articles' only

2001 CASSADAY BR 1999 CROSSA MA 1997 MERGOUIM

Plant J. (GB)

2002 LEBLANC

Plant Molecular Biology Reporter (US)

1997 RIBAUT-1

Plant Pathology (GB)

1995 HOCK IL 1993 COHEN
2000 DUVEILLER TH 1995 HAU

Plant Physiology (US)

1990 WALLACE

Plant and Soil (NL)

1994 WALL	TR 1996 CAKMAK-1	TR 1997 CAKMAK
MX 2000 MANSKE	TR 1996 CAKMAK-2	TR 1999 CAMAK-3

Plant Varieties and Seeds (GB)

1991 BRENNAN 1996 REJESUS 1999 BRENNAN

Polish Botanical Studies (PL)

1994 LEBLANC

Políticas Agrícolas (MX)

1996 ERENSTEIN

Postharvest Biology and Technology (NL)

1993 ARNASON

Quarterly J. International Agriculture (DE)

PK 1989 BYERLEE-2

PY 1995 MORRIS

Review of Marketing and Agricultural Economics (AU)

1974 ANDERSON

Revista AIBDA (CR)

1991 ROMERO

1997 GARCÍA

Revista Chapingo (MX)

MX 1984 CERVANTES

MX 1994 LÓPEZ

Revista Fitotecnia Mexicana (MX)

1993 FUENTES

1995 VASAL-4

AR 1995 BENÍTEZ

MX 1997 DEL TORO

MX 1999 AGUILAR

MX 2001 GUILLÉN-ANDRADE

MX 2001 VERGARA

MX 2002 HUERTA

MX 2002 MORENO

MX 2002 SANDOVAL-ISLAS

MX 2002 VILLASEÑOR

Revista ICA (CO)

1994 COCA

Revista Mexicana de Fitopatología (MX)

1989 HOCK

1994 FUENTES-DÁVILA-2

2000 GILCHRIST-SAAVEDRA

2001 RIVERA-SÁNCHEZ

MX 1989 DHALIWAL

MX 1990 SALAZAR

MX 1992 LEYVA

MX 1993 SALAZAR-1

MX 1993 SALAZAR-2

MX 1997 CHÁVEZ-ONTIVEROS

MX 1997 SALAZAR-HUERTA

MX 1998 CASTRO-DUARTE

Revista Mexicana de Micología (MX)

1993 FUENTES-DÁVILA

MX 1994 FUENTES-DÁVILA

MX 1999 VALLEJO-COHEN

Revista Peruana de Entomología (PE)

MX 1972 VILLACIS-1

MX 1972 VILLACIS-2

SABRAO J. (various)

1974 SRIWATANAPONGSE

Sarhad J. Agriculture (PK)

PK 1989 KHAN

Science (US)

1998 MATSON

Scientia Agricultura Sinica (CN)

CN 2001 YAN

CN 2002 ZHOU

Seed Research (IN)

1988 SINGH-2

Seed Science and Technology (CH)

PK 1991 TETLAY

Sexual Plant Reproduction (DE)

1997 GRIMANELLI

Simiente (CL)

1979 SOZA

Soil Technology (NL)

1996 BELL

Soil & Tillage Research (NL)

2002 ERENSTEIN

2002 LIMON-ORTEGA

Soil Science (US)

1993 BELL-2

Soil Science and Plant Nutrition (JP)

1974 YAMAGUCHI

Soil Science Soc. America J. (US) *started 1976, formerly Soil Science Soc. America Proc.*

1969 CADY

1995 BELL-3
NP 2002 REGMI

Southwestern Entomologist (US)

1987 DAVIS
1992 ROBINSON-5

1992 ROBINSON-6
1993 RANIERI-3

1993 ROBINSON-3

Sulphur in Agriculture (US)

1992 RAUN

DO 1990 PIERRE

Technological Forecasting and Social Change (US)

1993 SMALE

Técnica Pecuaria en México (MX)

MX 1971 SHIMADA-1

MX 1971 SHIMADA-2

Terra (MX)

MX 1998 PORTILLA

Theoretical and Applied Genetics (DE)

1981 HANSON	1993 WILLIAM-2	1999 JIANG
1981 PILCH-1	1993 WILLIAM-3	1999 PERNET-1
1985 BERNARD	1994 CHEN	1999 PERNET-2
1985 MUJEEB-KAZI-4	1994 CROSSA	1999 ZHU
1988 CROSSA-2	1995 ISLAM-FARIDI	2000 DeLACY-2
1988 CROSSA-3	1995 LEBLANC-3	2000 TOOJINDA
1989 CROSSA-3	1995 MUJEEB-KAZI-2	2001 AYALA-2
1989 CROSSA-4	1995 WILLIAM	2001 BOHN
1989 MUJEEB-KAZI	1996 FENNELL	2001 BOHOROVA-2
1991 CROSSA	1996 RIBAUT	2001 FRANCO
1991 KANG-2	1997 RIBAUT-2	2001 NACHIT
1991 SINGH-3	1998 CEBALLOS	2001 PFLÜGER
1992 CORNELIUS	1998 HOLLAND	2001 WANG
1992 NACHIT-3	1998 INAGAKI-3	2002 GUPTA
1992 WILLIAM-2	1998 MORENO-GONZALEZ	2002 WARBURTON-2
1993 CROSSA-1	1998 TEULAT	BR 1994 CROSSA
1993 CROSSA-2	1998 TOOJINDA	MX 1993 HERNÁNDEZ-2
1993 RAGOT	1999 BOHOROVA	
1993 ROMAGOSA	1999 CROSSA	

Trans. British Mycological Soc. (GB)

1988 WARHAM-2

Trends in Genetics (GB)

2001 GRIMANELLI

Trends in Plant Science (GB)

1998 RIBAUT

Tropical Agriculture (TT)

1983 MULEBA-1	1983 MULEBA-2	ET 1993 TANNER-2
---------------	---------------	------------------

Tropical Pest Management (GB)

1986 WARHAM-2	1991 MAREDIA-2	1992 MAREDIA
1988 WARHAM-3	1992 FUENTES-DÁVILA	
1990 MAREDIA	1992 HOCK-2	

Turrialba (CR)

1979 PEAIRS	1980 PEAIRS	1981 PEAIRS
-------------	-------------	-------------

Weed Science (US)

KE 1998 ABAYO	KE 2001 OSWALD-2
---------------	------------------

Weed Technology (US)

1990 RANSOM-2	IN 2002 BELLINDER	KE 1995 RANSOM
---------------	-------------------	----------------

Wheat Information Service (JP)

Refereed 'research articles' only

1999 MUJEEB-KAZI-2	2002 CAO	PK 1994 VAHIDY
--------------------	----------	----------------

World Development (GB)

1993 BYERLEE-3
1993 TRIPP
1994 BYERLEE

1995 SMALE-2
1997 SMALE
2001 BELLON

2001 DOSS-2
EC 1989 BYERLEE
MX 1998 RICE

Z. Pflanzenernährung und Bodenkunde (DE), see J. Plant Nutrition and Soil Science**Z. Pflanzenkrankheiten und Pflanzenschutz (DE)**

1982 NAGARAJAN-2
1984 NAGARAJAN-2

1993 DUVEILLER-2
IN 1980 NAGARAJAN

TH 1993 DREPPER

Z. Pflanzenzüchtung (DE), see Plant Breeding**Zimbabwe J. Agricultural Research (ZW)**

ZW 1989 ANANDAJAYASEKERAM
ZW 1989 SHUMBA

ZW 1990 SHUMBA
ZW 1994 CHIDUZA

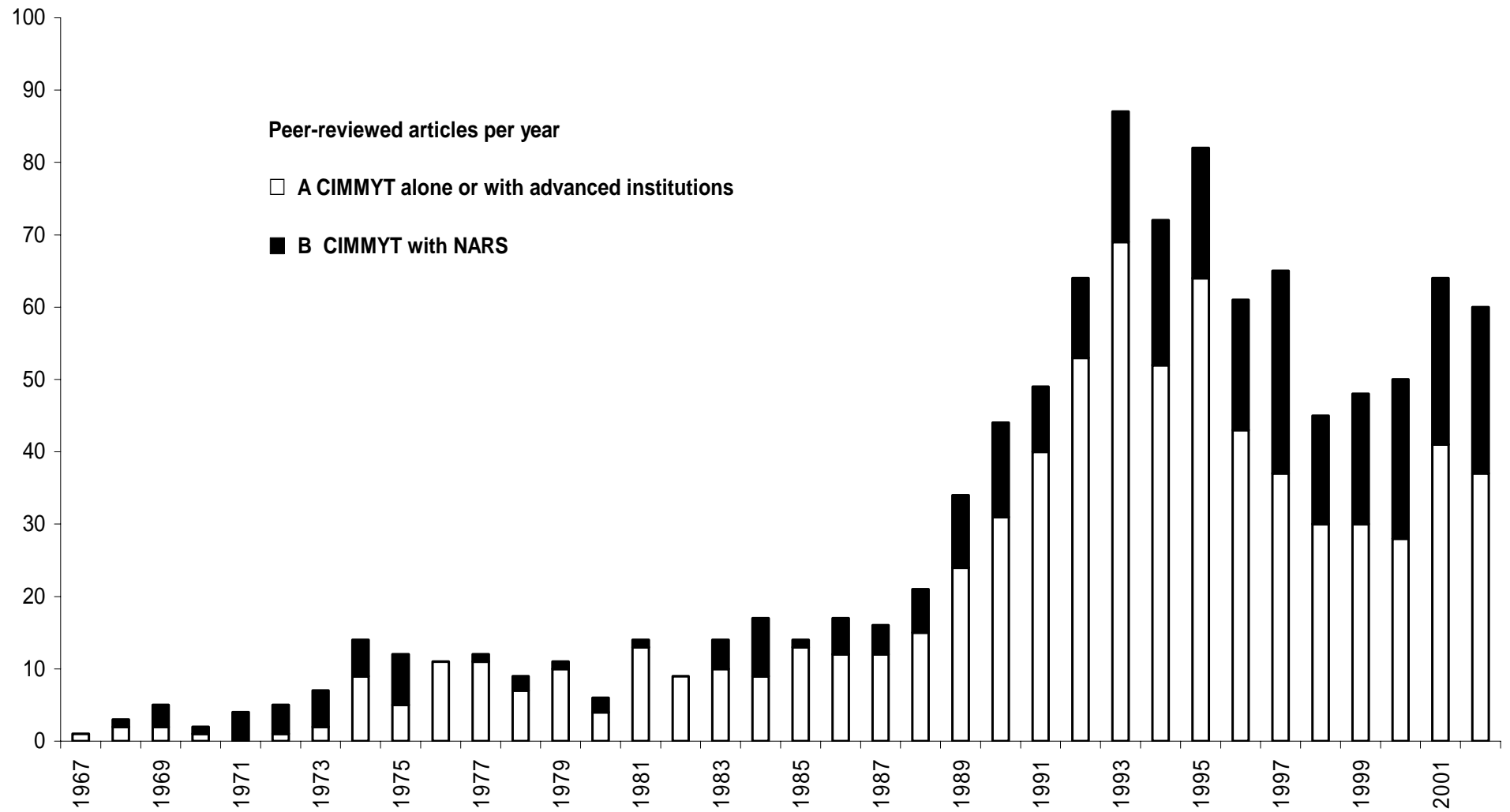
STATISTICAL ANALYSIS

The spreadsheet on page 110 details the production of journal articles, year by year. Those from Part A are totaled in column A; those from Part B are shown country by country, and then totaled in column B. The figures in the final column are for the entire output (A+B).

These figures are also displayed in a histogram on page 111.

Finally, on page 112, twenty-one journals are ranked according to the numbers of journal articles they published from CIMMYT and its collaborators in the years covered by this compilation.

Year																											Tot.	Tot.								
	A	AR	BD	BR	CO	CN	CU	DO	EC	EG	ET	ID	IL	IN	IR	KE	KZ	MA	MX	NP	PA	PE	PH	PK	PY	SV	TH	TR	TZ	UY	VE	ZW	B	A+B		
1967	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
1968	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
1969	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	
1970	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
1971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	
1972	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	
1973	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	
1974	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5	14	
1975	5	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12	
1976	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
1977	11	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12	
1978	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	9	
1979	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11	
1980	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	
1981	13	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	
1982	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
1983	10	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	14	
1984	9	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	8	17	
1985	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	14
1986	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	1	-	-	-	-	-	-	5	17	
1987	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	4	16	
1988	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	-	-	-	-	-	-	-	-	-	-	6	21	
1989	24	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-	1	1	-	-	-	4	-	-	-	-	-	-	-	-	2	10	34		
1990	31	-	-	-	-	-	1	-	-	1	-	1	1	-	-	-	-	2	1	-	-	-	5	-	-	-	-	-	-	-	-	1	13	44		
1991	40	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	9	49	
1992	53	-	-	1	-	-	-	-	-	1	-	2	-	1	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11	64	
1993	69	-	-	-	-	-	-	-	-	2	-	1	2	-	1	-	-	8	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	18	87	
1994	52	-	-	3	-	1	-	-	-	4	-	1	-	1	-	-	4	1	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	20	72	
1995	64	1	1	1	1	-	-	-	-	6	-	-	-	-	1	-	-	3	-	-	-	-	-	1	-	2	-	-	-	-	-	-	1	18	82	
1996	43	-	1	-	1	-	1	-	1	-	3	-	1	-	1	-	-	4	1	-	-	-	-	-	1	-	1	-	3	-	-	-	-	18	61	
1997	37	1	-	5	1	-	-	-	-	6	-	-	-	-	-	-	-	10	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	28	65	
1998	30	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	15	45	
1999	30	-	1	2	-	-	-	-	-	2	-	-	1	-	-	-	1	6	1	-	1	-	-	-	-	-	-	2	1	-	-	-	-	18	48	
2000	28	-	-	1	-	1	-	-	-	4	-	-	1	-	-	1	-	10	-	-	-	-	-	-	-	-	-	2	1	-	-	-	1	22	50	
2001	41	-	1	-	-	2	-	-	-	3	-	1	2	-	2	-	-	7	-	-	-	-	1	-	-	-	1	-	-	-	-	3	23	64		
2002	37	-	-	-	-	2	-	-	-	3	-	3	4	1	2	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	23	60	
Total	738	5	5	13	3	6	1	1	2	1	35	1	12	17	1	11	1	3	118	8	1	1	1	33	1	1	4	11	2	1	1	10	311	1049		



The top twenty-one journals

ranked according to the number of articles listed in this compilation.

Rank	Articles	Journal
1	122	Crop Science (US)
2	55	Theoretical and Applied Genetics (DE)
3	47	Agrociencia (MX)
-	47	Euphytica (NL)
5	46	Field Crops Research (NL)
6	41	Plant Disease, formerly Plant Disease Reporter (US)
7	35	Maydica (IT)
8	29	Plant Breeding (DE)
9	28	African Crop Science J. (UG)
10	26	Agronomy J. (US)
-	26	Cereal Research Communications (HU)
12	17	Australian J. Agricultural Research (AU)
-	17	Phytopathology (US)
14	15	American J. Agricultural Economics (US)
15	13	Agricultural Economics (NL)
-	13	Experimental Agriculture (GB)
17	12	Crop Protection (GB)
-	12	Genome, formerly Canadian J. Genetics and Cytology (CA)
-	12	Revista Mexicana de Fitopatologia (MX)
20	11	J. Genetics & Breeding (IT)
-	11	Revista Fitotecnia Mexicana (MX)