

INTSORMIL
SORGHUM AND MILLET
COLLABORATIVE RESEARCH SUPPORT
PROGRAM (CRSP)



BIBLIOGRAPHY

1984 - 2003

FIGHTING HUNGER AND POVERTY WITH RESEARCH
.....A TEAM EFFORT

For additional information contact the INTSORMIL Management Entity:

**INTSORMIL
113 Biochemistry Hall
University of Nebraska
Lincoln, Nebraska 68583-0748**

**Telephone: (402) 472-6032
Fax: (402) 472-7978
E-Mail:SRMLCRSP@UNL.EDU**

**Visit the INTSORMIL Web Site at:
<http://Intsormil.org>**

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Contents

| | |
|--|------------|
| General Information | 5 |
| General INTSORMIL Publications | 9 |
| Agronomy and Physiology | 15 |
| Biotechnology | 35 |
| Breeding | 47 |
| Economics | 95 |
| Entomology | 107 |
| Food Sciences | 125 |
| Pathology | 163 |
| Sociology/Anthropology | 203 |
| <i>Striga</i> | 211 |
| INTSORMIL Principal Investigators | 219 |

General Information

The International Sorghum and Millet Collaborative Research Support Program, INTSORMIL, is sponsored by the USAID Bureau for Economic Growth, Agriculture and Trade (EGAT). INTSORMIL was established in 1979 under the authority of Title XII of the International Development and Food Assistance Act of 1975 to link the expertise of scientists at U.S. Land Grant Universities with scientists in developing countries. At present, 18 U.S. scientists from the Kansas State University, Mississippi State University, Purdue University, Texas A&M University, University of Nebraska, USDA-ARS, Tifton, Georgia and West Texas University are collaborating with over 200 scientists in approximately 30 developing countries. INTSORMIL collaborative research is currently conducted in West Africa, the Horn of Africa, Southern Africa, Central America and the United States. Present research includes the scientific disciplines of agricultural economics, agronomy, biotechnology, entomology, food science, plant breeding and genetics, plant pathology, and plant physiology.

While INTSORMIL is mandated by the U.S. Congress to provide mutual benefits to the United States and developing countries, a major goal of INTSORMIL is to improve the overall quality of life in developing countries through increased, sustainable production of grain sorghum and pearl millet in those countries where these crops constitute the major food sources. This goal is being achieved through graduate training of students from developing countries, building and strengthening research institutions, developing new production and utilization technologies through collaborative research, and efficient transfer of technologies to producers and processors of sorghum and pearl millet. Major outputs of these efforts are publications distributed worldwide that share knowledge and technology produced by INTSORMIL scientists.

This bibliography includes citations of refereed research journal articles, workshop proceedings, M.S and Ph.D. theses and published abstracts by INTSORMIL principal investigators between 1984 and 2002. The bibliography has been arranged by scientific discipline with citations arranged alphabetically by the senior author's last name. For information on obtaining General Publications contact the INTSORMIL Management Entity, 113 Biochemistry Hall, University of Nebraska, Lincoln, NE 68583-0748, by e-mail at SRMLCRSP@unl.edu, by fax at (402) 472-7978, or by phone at (402) 472-6032.

General INTSORMIL Publications



General INTSORMIL Publications

INTSORMIL Bibliography, Publication 03-04.

INTSORMIL. 2002. Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29, 2000. Guanajuato, Mexico.

INTSORMIL. "Inside INTSORMIL" Newsletter. January 2003. Publ. No. 03-03.

INTSORMIL 2002 Annual Report Executive Summary, Publication 03-02.

INTSORMIL. 2002 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 03-01.

INTSORMIL. "Inside INTSORMIL" Newsletter. January 2002. Publ. No. 02-03.

INTSORMIL. 2002. Proceedings of the West African Hybrid Sorghum and Millet Seed Workshop held Sept. 28-Oct. 2, 1998, Niamey, Niger. Publ. No. 02-02.

INTSORMIL. 2001 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 01-05.

INTSORMIL. "Inside INTSORMIL" Newsletter. January 2001. Publ. No. 01-01.

INTSORMIL. 2000 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 00-1.

INTSORMIL. 1999. INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 99-6.

INTSORMIL. 1999. Bibliography 1984 - 1998. University of Nebraska, Lincoln, NE. Publ. No. 99-3.

INTSORMIL. Global Conference on Ergot of Sorghum held June 1-8, 1997 in Sete Lagoas, Brazil. Publ. No. 99-1.

INTSORMIL. "Inside INTSORMIL" Newsletter. December 1998. Publ. No. 98-6.

INTSORMIL. 1998. INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 98-4.

INTSORMIL. "Inside INTSORMIL" Newsletter. April 1998. Publ. No. 98-3.

INTSORMIL. 1997. INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 98-1.

INTSORMIL. Proceedings of The International Conference on Genetic Improvement of Sorghum and Pearl Millet held September 23-27, 1996 in Lubbock, TX. Publ. No. 97-5.

INTSORMIL. "Inside INTSORMIL" Newsletter. October 1997. Publ. No. 97-3.

INTSORMIL. 1996 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 96-3.

INTSORMIL. 1995 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 96-1.

INTSORMIL. 1994. INTSORMIL Bibliography 1984-1994. University of Nebraska, Lincoln, NE. Publ. No. 94-5. (These references are contained in the current Bibliography).

INTSORMIL. "Inside INTSORMIL" Newsletter. January 1995. Publ. No. 95-3.

General INTSORMIL Publications

- INTSORMIL. 1993 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 94-4.
- INTSORMIL. "Inside INTSORMIL" Newsletter. July 1994. Publ. No. 94-3.
- INTSORMIL. 1994. Proceedings of a workshop on Adaptation of Plants to Soil Stresses held August 1-4, 1993 in Lincoln, NE. Publ. No. 94-2.
- INTSORMIL. "Inside INTSORMIL" Newsletter. January 1994. Publ. No. 94-1.
- INTSORMIL. 1993. Proceedings of a workshop on Social Science Research and the CRSPS held June 9-11, 1992 in Lexington, KY. Publ. No. 93-3.
- INTSORMIL. 1992 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 93-2.
- INTSORMIL. 1993. INTSORMIL: Fighting Hunger with Research...Making Headway. Publ. No. 93-1.
- INTSORMIL. "Inside INTSORMIL" Newsletter. November 1992. Publ. No. 92-4.
- INTSORMIL. 1991 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE. Publ. No. 92-2.
- INTSORMIL. Proceedings of International Sorghum and Millet CRSP Conference. July 8-12, 1991. Corpus Christi, TX. Publ. No. 92-1.
- INTSORMIL. 1991. INTSORMIL Bibliography 1984-1991. University of Nebraska, Lincoln, NE. Publ. No. 91-5.(These references are contained in the current Bibliography).
- INTSORMIL. 1991. Economic Benefits from INTSORMIL Grain Sorghum Variety Improvements in the United States. Publ. No. 91-4.
- INTSORMIL. 1991. INTSORMIL Host Country Impact Studies - Honduras and Sudan. Publ. No. 91-3.
- INTSORMIL. "Inside INTSORMIL" Newsletter. September 1991 Publ. No. 91-2.
- INTSORMIL. "Inside INTSORMIL" Newsletter. April 1991 Publ. Vol. No. 1 - No. 1..
- INTSORMIL. 1990 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE
- INTSORMIL Butler, Larry G. 1989. Striga: Scourge of African Cereals. INTSORMIL Publ. No. 89-1.
- INTSORMIL. 1989. Proceedings of the International Sorghum/Millet CRSP Conference. INTSORMIL Publ. No. 89-3.
- INTSORMIL. 1989 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE
- INTSORMIL. 1987 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE
- INTSORMIL. 1987. Collaborative Sorghum/Millet Research Benefits to U.S. Agriculture. University of Nebraska, Lincoln, NE
- INTSORMIL. 1986 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE
- INTSORMIL. 1985 INTSORMIL Annual Report. University of Nebraska, Lincoln, NE

- INTSORMIL. 1985. Five Year Technical Research Report of the Grain Sorghum/Pearl Millet Collaborative Research Support Program. Texas A&M University.
- INTSORMIL. 1985. Fighting Hunger with Research .. a team effort. University of Nebraska, Lincoln, NE
- INTSORMIL. 1985. Proceedings of the Niger Sorghum and Millet Workshop held October 13-17, 1985 in Niamey, Niger. Purdue University, West Lafayette, IN
- INTSORMIL. 1984. Sorghum for Acid Soils -Proceedings of Workshop on Evaluating Tolerance to Al-Toxic Tropical Soils in Latin America held in Cali, Colombia, May 28 - June 2, 1984.
- Mortlock, M.Y. and R.L. Vanderlip. 1989. Effect of Pearl Millet and Sorghum Seed Quality on Stand Establishment in Botswana - II. On-station Millet Experiments. INTSORMIL Publ. No. 89-2.
- Mortlock, M.Y. and R.L. Vanderlip. 1987. Effect of Pearl Millet and Sorghum Seed Quality on Stand Establishment in Botswana - I. Farmer field Experiments. Nazhat, Saadi M. and C. Milton Coughenour. 1987. The Communication of Agricultural Information in Sudanese Villages. Report No. 5.
- Nazhat, Saadi M. and C. Milton Coughenour. 1985. Recent Change in Villages and Rainfed Agriculture in North Central Kordofan: Communication Process and Constraints. Report No. 4.
- Sorghum Quality Laboratory Manual for Use in West Africa. 1987. (English and French Versions.)
- Wall, G.C., R.A. Frederiksen and D.H. Meckenstock. 1989. Diseases: A Constraint to Sorghum Production in Honduras. INTSORMIL Publ. No. 89-4.

Agronomy and Physiology



Journal Articles

- Alagarswamy, G., J.C.D. Gardner, J.W. Maranville and R.B. Clark. 1988. Measurement of instantaneous nitrogen use efficiency among pearl millet genotypes. *Crop Sci.* 28:681-685.
- Bagayoko, M., S.C. Mason and R.J. Sabata. 1992. Residual effects of cropping systems on soil nitrogen and grain sorghum yield. *Agron. J.* 83:862-868.
- Bernardo, L.M., R.B. Clark, and J.W. Maranville. 1984. Nitrate/ammonium ratio effects on solution pH, dry matter yield, and nitrogen uptake of sorghum. *J. Plant Nutr.* 7:1389-1400.
- Bernardo, L.M., R.B. Clark, D. Knudsen, and J.W. Maranville, 1985. Analysis of cationic elements in liquid samples by x-ray. *Commun. Soil Sci. Plant Anal.* 16:823-835.
- Bernardo, L.M., R.B. Clark, and J.W. Maranville. 1984. Nitrate/ammonium ratio effects on mineral uptake of sorghum. *J. Plant Nutr.* 7:1401-1414.
- Blum, A. and C.Y. Sullivan. 1986. The comparative drought resistance of landraces of sorghum and millet from dry and humid regions. *Annals of Botany* 57:835-846.
- Buah, S.S.J., J.W. Maranville, A. Traore, and Paula Bramel-Cox. 1998. Response of nitrogen use efficient sorghums to nitrogen fertilizer. *J. Plant Nutr.* 21:2303-2318.
- Cai, T., G. Ejeta, and L.G. Butler. 1994. Development and maturation of sorghum seeds on detached panicles grown in vitro. *Plant Cell Reports* 14:116-119.
- Christensen, N.B., R.L. Vanderlip and G.A. Milliken. 1987. Response of pearl millet to grain sorghum environments. *Field Crops Res.* 16:337-348.
- Clark, R.B., C.I. Flores, L.M. Gourley and R.R., Duncan. 1990. Mineral element concentrations and grain yield of sorghum (*Sorghum bicolor*) and pearl millet (*Pennisetum glaucum*) grown on acid soil. *J. Plant Nutr.* 13:391-396.
- Clark, R.B., and L.M. Gourley. 1988. Mineral element concentrations of sorghum genotypes grown on tropical acid soil. *Commun. Soil Sci. Plant Anal.* 18:1019-1029.
- Clark, R.B. 1988. Mineral nutrient requirements and deficiency/excess disorders of sorghum. *Crop Research* 1:16-35.
- Clark, R.B., V. Romheld and H. Marschner. 1988. Iron uptake and phytosiderophore release by roots of sorghum genotypes. *J. Plant Nutr.* 11:663-676.
- Clark, R.B., C.I. Flores and L.M. Gourley. 1988. Mineral element concentrations of acid soil tolerant and susceptible sorghum genotypes. *Commun. Soil Sci. Plant Anal.* 18:1003-1017.
- Clark, R.B., E.P. Williams, W.M. Ross, G.M. Herron and M.D. Witt. 1988. Effect of iron deficiency chlorosis on growth and yield component traits of sorghum. *J. Plant Nutr.* 11:747-754.
- Clark, R.B., and L.M. Gourley. 1987. Leaf position and genotype differences for mineral element concentrations in sorghum grown on tropical acid soil. *J. Plant Nutr.* 10:921-935.
- Clark, R.B., and R.D. Gross. 1986. Plant genotype differences to iron. *J. Plant Nutr.* 9:471-491.

- Clegg, M.D. 1992. Predictability of grain sorghum and maize grown after soybean in a range of environments. *Agric. Systems*. 39:25-31.
- Clegg, M.D. 1986. Evaluation of agronomic and energy traits of Wray sweet sorghum and the N39 x Wray hybrid. *Energy Agric*. 5:49-54.
- Coulibaly, A., M. Bagayoko, S. Traoré and S.C. Mason. 2000. Effect of crop residue management and cropping system on pearl millet and cowpea yield. *Afri. Crop Sci. J.* 8(4):1 - 8.
- Coulibaly, A., M. Bagayoko, S. Traore and S.C. Mason. 1998. Pearl millet yield and soil properties as influenced by crop residue management. *Agron. Absts.*, p. 106.
- Ellis, J.R., W. Roder and S.C. Mason. 1992. Grain sorghum-soybean rotation and fertilization influence on vesicular-arbuscular mycorrhizal fungi. *Soil Sci. Soc. Amer. J.* 56:789-794.
- Flores, C.I., R.B. Clark, and L.M. Gourley. 1991. Genotypic variation of pearl millet for growth and yield on acid soil. *Field Crops Res.* 26:347-354.
- Flores, C.I., W.M. Ross, and J.W. Maranville. 1986. Quantitative genetics of agronomic and nutritional traits in related grain sorghum random-mating populations as affected by selection. *Crop Sci.* 26:9-13.
- Flores, C.I., R.B. Clark and L.M. Gourley. 1988. Growth and yield traits of sorghum grown on acid soil at varied aluminum saturations. *Plant and Soil* 106:49-57.
- Flores, C.I., W.M. Ross, C.E. Walker, and J.W. Maranville. 1986. Genetic variation for starch gel consistency and seed density in sorghum populations. *Cereal Res. Comm.* 13:433-439.
- Furlani, A.M.C., R.B. Clark, J.W. Maranville, and W.M. Ross. 1987. Organic and inorganic sources of phosphorus on growth and phosphorus uptake in sorghum genotypes. *J. Plant Nutr.* 10:163-186.
- Furlani, A.M.C., R.B. Clark, C.Y. Sullivan, and J.W. Maranville. 1986. Induction of leaf red-speckling by phosphorus on sorghum growth under controlled conditions. *Crop Sci.* 26:551-557.
- Furlani, A.M.C., R.B. Clark, C.Y. Sullivan, and J.W. Maranville. 1986. Sorghum genotype differences to leaf "red-speckling" induced by phosphorus. *J. Plant Nutr.* 9:1435-1451.
- Furlani, A.M.C., R.B. Clark, J.W. Maranville, and W.M. Ross. 1984. Root phosphatase activity of sorghum genotypes grown with organic and inorganic sources of phosphorus. *J. Plant Nutr.* 7:1583-1595.
- Furlani, A.M.C., R.B. Clark, J.W. Maranville, and W.M. Ross. 1984. Sorghum genotype differences in phosphorus uptake rate and distribution in plants parts. *J. Plant Nutr.* 7:1113-1126.
- Galvez, L., and R.B. Clark. 1991. Nitrate and ammonium uptake and solution pH changes in Al-tolerant and Al-sensitive sorghum (*Sorghum bicolor*) genotypes grown with and without aluminum. *Plant and Soil* 134:179-188.
- Galvez, L., R.B. Clark, L.M. Gourley and J.W. Maranville. 1989. Effects of silicon on mineral composition of sorghum grown with excess manganese. *J. Plant Nutr.* 12:547-561.
- Galvez, L., R.B. Clark, L.M. Gourley and J.W. Maranville. 1987. Silicon interactions with manganese and aluminum toxicity in sorghum. *J. Plant Nutr.* 10:1139-1147.

- García, L., O. Téllez and S. C. Mason. 2003. Determinación del uso eficiente de nitrógeno en cuatro variedades de sorgo para grano en la zona del Pacífico de Nicaragua. *La Calera* 3: 36 - 42.
- Gardner, J.C., J.W. Maranville and E.T. Pappozzi. 1994. Nitrogen use efficiency among diverse sorghum cultivars. *Crop Sci.* 34:728-733.
- Gardner, J.C., and R.L. Vanderlip. 1989. Seed size and density effects on field performance of pearl millet. *Trans. Kans. Acad. Sci.* 92:49-59.
- Garrity, D.P., C.Y. Sullivan, and D.G. Watts. 1984. Rapidly determining sorghum canopy photosynthetic rates with a mobile field chamber. *Agron. J.* 76:163-165.
- Garrity, D.P., C.Y. Sullivan, and D.G. Watts. 1984. Changes in grain sorghum stomatal and photosynthetic response to moisture stress across growth stages. *Crop Sci.* 24:441-446.
- Grant, R.H., M.A. Jenks, P.J. Rich, P.J. Peters, and E.N. Ashworth. 1995. Scattering of ultraviolet and photosynthetically active radiation by *Sorghum bicolor*: influence of epicuticular wax. *Agricultural and Forest Meteorology* 75:263-281.
- Heiniger, R.W., R.L. Vanderlip and K.D. Kofoed. 1993. Caryopsis weight patterns within the sorghum panicle. *Crop Sci.* 33:543-549.
- Heiniger, R.W., R.L. Vanderlip and K.D. Kofoed. 1993. Influence of pollination pattern on intrapanicle caryopsis weight in sorghum. *Crop Sci.* 33:549-555.
- Jenks, M.A., R.J. Joly, P.J. Peters, P.J. Rich, J.D. Axtell and E.N. Ashworth. 1994. Chemically-induced cuticle mutation affecting epidermal conductance to water vapor and disease susceptibility in *Sorghum bicolor* (L.) Moench. *Plant Physiology* 105:1239-1245.
- Jordan, W.R., P.J. Shouse, A. Blum, F.R. Miller, and R.L. Monk. 1984. Environmental physiology of sorghum. II. Epicuticular wax load and cuticular transpiration. *Crop Sci.* 24:1168-1173.
- Kasalu, H., S.C. Mason and Gebisa Ejeta. 1994. Effect of temperature on germination and seedling emergence of grain sorghum genotypes. *Trop. Agric.* 70(4):368-371.
- Lawan, M., F.L. Barnett, B. Khaleeq, R.L. Vanderlip. 1985. Seed density and seed size of pearl millet as related to field emergence and several seed and seedling traits. *Agron. J.* 77:567-571.
- Limon-Ortega, A., S.C. Mason, and A.R. Martin. 1998. Production practices improve grain sorghum and pearl millet competitiveness. *Agron. J.* 90:227-232.
- Maman, N., S.C. Mason and S. Sirifi. 2000. Variety and management level influence on pearl millet production in Niger: I. Grain yield and dry matter accumulation. *Afr. Crop Sci. J.* 8:25-34.
- Maman, N., S.C. Mason and S. Sirifi. 2000. Variety and management level influence on pearl millet production in Niger: II. N and P concentration and accumulation. *Afr. Crop Sci. J.* 8:35-48.
- Maman, N., S.C. Mason and T.; Galusha. 1999. Hybrid and nitrogen influence on pearl millet production in Nebraska: yield, growth, and nitrogen uptake and efficiency. *Agron. J.* 91:737-743.
- Maranville, J.W. and S. Madhavan. 2002. Physiological adaptations for nitrogen use efficiency in sorghum. *Plant Soil* 245:25-34.

- Maranville, J.W., S.C. Mason and J.H. Sanders. 1998. Improving crop production practices in Sub-Saharan Africa: INTSORMIL approaches and perspectives. *Agron. Absts.*, p. 45.
- Maranville, J.W., P.J. Mattern, and R.B. Clark. 1984. Estimation of sulfur in grain by x-ray fluorescence spectrometry and its relation to sulfur and amino acids of field crops. *Crop Sci.* 24:303-305.
- Maranville, J.W., D.A. Del Rosario, and R.B. Clark. 1986. Variability in growth and nutrient accumulation in sorghum grown in water-logged soils. *Commun. Soil Sci. Plant Anal.* 17:1089-1108.
- Masek, T.J., J.S. Schepers, S.C. Mason and D.D. Francis. 2001. Use of precision farming to improve application of feedlot waste to increase nutrient use efficiency and protect water quality. *Commun. Soil Sci. Plant Anal.* 32:1355-1369.
- Masi, C.E.A., and J.W. Maranville. 1998. Evaluation of sorghum root branching using fractals. *J. Agric. Sci.* 131:259-265.
- Mason, S.C., J.M. Lasa, J. Lasschuit, N.E. D'Croz-Mason, and A. Garcia. 1996. Combining ability effects for sorghum emergence potential in crusted soils, coleoptile diameter and length, and kernel weight. *Maydica* 41:295-299.
- Mason, S.C., J. Lasschuit and J.M. Lasa. 1994. Interrelationship of sorghum coleoptile morphology with emergence potential in crusted soils. *Eur. J. Agron.* 3(1):17-21.
- Mason, S.C., K.M. Eskridge, B. Kliever, G. Bonifas, J. Deprez, C. Medinger Pallas and M. Meyer. 1994. A survey: Student interest and knowledge of international agriculture. *NACTA J.* 38(2):34-37.
- Mason, S.C., J.M. Lasa and K.M. Eskridge. 1995. Number of samples, replication and measurements for a screening technique of sorghum emergence potential in crusted soils. *Inves. Agrar. Prod. Prot. Veg.* 10(1):61-69
- Mason, S.C. 1992. El sistema agricola: Pasado, presente y futuro. Una perspectiva global. *Informacion Tecnica Economica Agraria* 12:11-32.
- Mason, S.C., S.R. Lowry, and E.N. Blue. 1987. Attitudes on conducting thesis research in a developing country. *J. Agron. Ed.* 16:77-80.
- M'Khaitir, Y.O. and R.L. Vanderlip. 1992. Grain sorghum and pearl millet response to date and rate of planting. *Agron. J.* 84:579-582.
- Mohamed, A., F.L. Barnett, R.L. Vanderlip and B. Khaleeq. 1989. Emergence and stand establishment of pearl millet as affected by mesocotyl elongation and other seed and seedling traits. *Field Crops Res.* 20:41-49.
- Mohamed, M.S. and M.D. Clegg. 1993. Pearl millet-soybean rotation and nitrogen fertilizer effects on millet productivity in eastern Nebraska. *Agron. J.* 85:1009-1013.
- Morgan, P.W., S.A. Finlayson, K.L. Childs, J.E. Mullet and W.L. Rooney. Developmental physiology of grasses: Opportunities to improve adaptability and yield. *Crop Science* 42:1791-1799.
- Morgan, P.W., E.H. Omer, and R.A. Frederiksen. 1994. Benzylaminopurine application reduces stalk rot and can delay leaf senescence in field-grown *Sorghum bicolor*. *PGRSA Quarterly* 21:198-204.

- Mortlock, M.Y., and R.L. Vanderlip. 1989. Germination and establishment of pearl millet and sorghum of different seed qualities under controlled high-temperature environments. *Field Crops Res.* 22:195-209.
- Murtadha, H.M., J.W. Maranville and R.B. Clark. 1989. Effects of temperature and relative humidity on growth and calcium uptake, translocation, and accumulation in sorghum. *J. Plant Nut.* 12:535-546.
- Murtadha, H. M., J. W. Maranville, and R. B. Clark. 1988. Calcium deficiency in sorghum grown in controlled environments in relation to nitrate/ammonium ratio and nitrogen source. *Agron. J.* 80:125-130.
- Mwageni, G.J., and R.L. Vanderlip. 1986. Seed vigor measurements for predicting field establishment of pearl millet. *Trans. Kans. Acad. Sci.* 89:57-61.
- Nouri, M., S.C. Mason and S. Sirifi. 2000. Variety and management level influence on pearl millet production in Niger: I. Grain yield and dry matter accumulation. *Afri. Crop. Sci. J.* 8:25-34.
- Nouri, M., S.C. Mason and S. Sirifi. 2000. Variety and management level influence on pearl millet production in Niger: N and P concentration and accumulation. *Afr. Crop Sci. J.* 8:35-47.
- Nouri, M., S.C. Mason and T. Galusha. 1999. Hybrid and nitrogen influence on pearl millet production in Nebraska: yield, growth, and nitrogen uptake and efficiency. *Agron. J.* 91:737-743.
- Odo, P.E., J.W. Maranville and M.D. Clegg. 1989. Nitrogen uptake and efficiency of binary mixtures of sorghum and legumes. *Applied Agr. Res.* 4:213-221.
- Oh, B.J., R.A. Frederiksen and C.W. Magill. 1994. Glycoprotein changes in vegetative to floral meristems of sorghum detected by biotinylated lectins. *Plant Science* 101:181-187.
- Okonkwo, J.C., and R.L. Vanderlip. 1985. Effect of cultural treatment on quality and subsequent performance of pearl millet seed. *Field Crops Res.* 11:161-170.
- Pale, Siebou, S.C. Mason and T.D. Galusha. 2003. Planting time for early-season pearl millet and grain sorghum in Nebraska. *Agron. J.* 95: 1047 -1053.
- Pandey, R.K., J.W. Maranville and T.W. Crawford, Jr. 2002. Agriculture intensification and ecologically sustainable land use systems in Niger: A case study of evolution of intensive systems with supplementary irrigation. *J. of Sus. Agric.* 20(3)2002. p. 33-55.
- Pandey, R.K., J.W. Maranville, and S. Sirifi. 2002. Comparison of nitrogen use efficiency of a newly developed sorghum hybrid and two improved cultivars in the Sahel of West Africa. *Communications in Soil Science and Plant Analysis.* 33:9/10 1519-1536.
- Pandey, R.K., J.W. Maranville and Y. Bako. 2001. Nitrogen fertilizer response and use efficiency for three cereal crops in Niger. *Comm. Soil Sci. Plant Anal.* 32:1465-1482
- Pandey, R.K., J.W. Maranville and T.W. Crawford, Jr. 2001. Agriculture intensification and ecologically sustainable land use systems in Niger: Transition from traditional to technologically sound practices. *J. of Sus. Agric.* 19(2)5-24.
- Pierson, E.E., R.B. Clark, D.P. Coyne, and J.W. Maranville. 1986. Iron deficiency stress effects in various leaves and nutrient solution pH in sorghum and beans. *J. Plant Nutr.* 9:893-908.

- Premachandra, G.S., D.T. Hahn, J.D. Axtell and R.J. Joly. 1994. Epicuticular wax load and water-use efficiency in bloomless and sparse-bloom mutants of *Sorghum bicolor* (L.). *Environmental and Experimental Botany* 34(3):293-301.
- Rajewski, J.F., C.A. Francis and J.D. Eastin. 1991. Differential responses to defoliation of grain sorghum yield components and yield-related traits. *Crop Sci.* 31:561-66.
- Raju, P.S., R.B. Clark, J.R. Ellis and J.W. Maranville. 1990. Mineral uptake and growth of sorghum colonized with VA mycorrhiza at varied soil phosphorus levels. *J. Plant Nutr.* 13:843-859.
- Raju, P.S., R.B. Clark, J.R. Ellis, R.R. Duncan and J.W. Maranville. 1990. Benefit and cost analysis and phosphorus efficiency of VA mycorrhizal fungi colonizations with sorghum (*Sorghum bicolor*) genotypes grown at varied phosphorus levels. *Plant and Soil* 124:199-204.
- Raju, P.S., R.B. Clark, J.R. Ellis and J.W. Maranville. 1990. Effects of species of VA mycorrhizal fungi on growth and mineral uptake of sorghum at varied temperatures. *Plant and Soil* 121:165-170.
- Raju, P.S., R.B. Clark, J.R. Ellis and J.W. Maranville. 1988. Effects of VA mycorrhizae on growth and mineral uptake of sorghum grown at varied levels of soil acidity. *Commun. Soil Sci. Plant Anal.* 18:919-931.
- Raju, P.S., R.B. Clark, J.R. Ellis and J.W. Maranville. 1988. Effects of VA mycorrhizae on mineral uptake in sorghum genotypes grown on acid soil. *Commun. Soil Sci. Plant Anal.* 18:909-918.
- Raju, P.S., R.B. Clark, J.R. Ellis and J.W. Maranville. 1987. Vesicular-arbuscular mycorrhizal infection effects on sorghum growth, phosphorus efficiency and mineral element uptake. *J. Plant Nutr.* 10:1331-1339.
- Raju, P.S., R.B. Clark, R.K. Maiti and J.W. Maranville. 1987. Phosphorus uptake, distribution and use by glossy and nonglossy sorghum. *J. Plant Nutr.* 10:2017-2024.
- Rice, J.R., and J.D. Eastin. 1986. Grain sorghum root responses to water and temperature during reproductive development. *Crop Sci.* 26:547-551.
- Roder, W., S.C. Mason, M.D. Clegg and K.R. Kniep. 1989. Yield-soil water relationships in sorghum-soybean cropping systems with different fertilizer regimes. *Agron. J.*, 81:470-475.
- Roder, W., S.C. Mason, M.D. Clegg and K.R. Kniep. 1989. Crop root distribution as influenced by grain sorghum-soybean rotation and fertilization. *Soil Sci. Soc. Amer. J.*, 53:1464-1470.
- Roder W., S.C. Mason, M.D. Clegg, J.W. Doran and K.R. Kniep. 1988. Plant and microbial responses to sorghum-soybean cropping systems and fertility management. *Soil Sci. Soc. Amer. J.* 52:1337-1342.
- Saeed, M., C.A. Francis, and M.D. Clegg. 1986. Yield component analysis in grain sorghum. *Crop Sci.* 26:346-351.
- Stockton, R.D., S.C. Mason, S.A. Finlayson and P.W. Morgan. 1998. Ethylene effect on grain sorghum germination and early seedling vigor. *Agron. Absts.*, p. 124.
- Stutzel, H., and R. L. Vanderlip. 1988. Grain yield of intercropped sorghum and pearl millet as influenced by sorghum genotype and cropping pattern. *J. Agronomy* 160:191-197.

- Traore, A. and J.W. Maranville. 1999. Nitrate reductase activity of diverse sorghum genotypes and its relationship to nitrogen use efficiency. *Agron. J.* 40: 863-869
- Traore, A. and J.W. Maranville. 1999. Effects of nitrate/ammonium ratio on biomass production, nitrogen accumulation and use efficiency in sorghums of different origin. *J. Plant Nutr.* 22:813-825.
- Traore, M., C.Y. Sullivan, J.R. Rosowski and K.W. Lee. 1989. Comparative leaf surface morphology and the glossy characteristic of sorghum, maize, and pearl millet. *Annals of Botany* 64:447-453.
- Traoré, Samba, J. L. Lindquist, S. C. Mason, A. R. Martin, and D.A. Mortensen. 2002. Comparative eco-physiology of grain sorghum (*Sorghum bicolor*) and *Abutilon theophrasti* in monoculture and in mixture. *Weed Res.* 42: 65 - 75.
- Verma, P.K., J.D. Eastin, K.C. Ready and M. Nouri. 1992. Effect of crop residue on millet production in Niger. *Cereal Res. Comm.* 20:295-296.
- Vietor, D.M., W.L. Rooney, D.T. Rosenow, and R.D. Powell. 1998. Carbon partitioning in stay green sorghum cultivars under water stress. *Agronomy Abs.* p. 92.
- Villar, J.L., J.W. Maranville and J.C. Gardner. 1989. High density sorghum production for late plantings in the Central Great Plains. *J. Prod. Agric.* 2:333-338.
- Williams, E.P., R.B. Clark, W.M. Ross, G.M. Herron and M.D. Witt. 1987. Variability for induced iron deficiency chlorosis in S progenies from a sorghum population grown in the field and growth chamber. *Plant and Soil* 99:127-137.
- Williams, E.P., W.M. Ross, R.B. Clark, G.M. Herron and M.D. Witt. 1986. Iron-deficiency chlorosis: Its heritability and effects on agronomic traits in a sorghum population. *J. Plant Nutr.* 9:423-433.
- Youngquist, J.B., D.C. Carter, W.C. Youngquist and M.D. Clegg. 1993. Phenotypic and agronomic characteristics associated with yield and yield stability of grain sorghum in low rainfall environments. *Trends in Agr. Sciences (Agronomy)* 1:25-32.
- Youngquist, J.B. and J.W. Maranville. 1992. Patterns of N mobilization in grain sorghum hybrids and the relationship to grain and dry matter production. *J. Plant Nutr.* 15:445-456.
- Youngquist, J.B., P. Bramel-Cox and J.W. Maranville. 1992. Evaluation of alternative screening criteria for selecting nitrogen-use efficient genotypes in sorghum. *Crop Sci.* 32:1310-1313.
- Youngquist, J.B., D.C. Carter and M.D. Clegg. 1990. Grain and forage yield and stover quality of sorghum and millet in low rainfall environments. *Exp. Agr.* 26:279-286.
- Zweifel, T.R., J.W. Maranville, W.M. Ross, and R.B. Clark. 1987. Nitrogen fertility and irrigation influence on grain sorghum nitrogen efficiency. *Agron. J.* 79:419-422.

Books, Book Chapters and Proceedings

- Bagayoko, M., S.C. Mason and S. Traore. 1997. The role of cowpea on pearl millet yield, N uptake, and soil nutrient status in millet - cowpea rotation in Mali, p. 109 - 114. *In* G. Renard, A. Neff, K. Becker and M. van Oopen (eds.). *Soil fertility management in West African land use systems*. Margraf Verlag, Weikersheim, Germany.

- Blumenthal, J.M., D.D. Baltensperger, K.G. Cassman, S.C. Mason and A.D. Pavlista. 2001. Importance and effect of nitrogen on crop quality and health, p. 45 - 63. IN R.F. Follett and J.L. Hatfield (eds.). Nitrogen in the environment: Sources, problems and management. Elsevier, Amsterdam, The Netherlands.
- Briggs, K.G. and G.J. Taylor. 1994. Success in wheat improvement for poor soils: Experience with the aluminum tolerance system in NW Canada. p. 269-294. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Buol, S.W. and Hari Eswaran. 1994. Assessment and conquest of poor soils. p. 17-27. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Caradus, J.R. 1994. Achievements in improving the adaptation of forages to acid, low phosphorus soils. p. 295-327. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Clark, R.B. 1990. Physiology of cereals for mineral nutrient uptake, use, and efficiency. p. 131-209. *In* V.C. Baligar and R.R. Duncan (ed.) Crops as enhancers of nutrient use. Academic Press, San Diego, CA.
- Clegg, M.D. and C.A. Francis. 1994. Crop Management. Chapter 5, p. 135-156. *In* J.L. Hatfield and D.L. Karlen (ed.) Sustainable Agriculture Systems. Lewis Publishers. Boca Raton, Florida.
- Clegg, M.D., R.L. Vanderlip and S.C. Mason. 1991. Sustainable systems approach to sorghum/millet production. p. 186-189. *In* International Sorghum/Millet Collaborative Research Support (CRSP) Conference, Corpus Christi, TX. INTSORMIL Publication No. 92-1.
- Davidson, D.J. and J.W. Maranville. 1989. Yield comparisons of late planted, short maturity, drilled sorghum genotypes in the Central Great Plains. P. 112 in Proc. 16th Bienn. Grain Sorghum Res. and Utiliz. Conf. Lubbock, TX.
- Davidson, D.J., J.B. Youngquist and J.W. Maranville. 1989. Influence of row spacing and plant population on nitrogen use efficiency of grain sorghum. P. 123 in Proc. 16th Bienn. Grain Sorghum Res. and Utiliz. Conf. Lubbock, TX.
- DeDatta, S.K., H.U. Neue, D. Senadhira and C. Quijano. 1994. Success in rice improvement for poor soils. p. 248-268. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Fageria, N.K. and V.C. Baligar. 1994. Screening crop genotypes for mineral stresses. p. 142-160. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Flores, C.I., R.B. Clark, J.F. Pedersen, and L.M. Gourley. 1991. Leaf mineral element concentrations in sorghum (*Sorghum bicolor*) hybrids and their parents grown at varied aluminum saturations on an Ultisol. P. 1095-1104. *In* R.J. Wright, V.C. Baligar, and R.P. Murrmann (eds.) Plant-Soil Interactions at Low pH. Kluwer Academic Publ., Dordrecht, The Netherlands.
- Flores, C.I., L.M. Gourley, J.F. Pedersen, and R.B. Clark. 1991. Inheritance of aluminum tolerance in sorghum (*Sorghum bicolor*) grown on an Ultisol. P. 1081-1093. *In* R.J. Wright, V.C. Baligar, and R.P. Murrmann (eds.) Plant-Soil Interactions at Low pH. Kluwer Academic Publ., Dordrecht, The Netherlands.

- Foy, Charles D. 1994. Role of the soil scientist in genetic improvement of plants for problem soils. p. 185-206. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Galusha, T.D. and J.W. Maranville. 1991. An alternative system for sorghum production in the Central Great Plains. P. 62. in Proc. 17th Bienn. Grain Sorghum Res. Utiliz. Conf., February 17-20. Lubbock, TX.
- Galvez, L., and R.B. Clark. 1991. Effects of silicon on growth and mineral composition of sorghum (*Sorghum bicolor*) grown with toxic levels of aluminum. P. 815-823. *In R.J. Wright, V.C. Baligar, and R.P. Murrmann (eds.) Plant-Soil Interactions at Low pH. Kluwer Academic Publ., Dordrecht, The Netherlands.*
- Galvez, L., R.B. Clark. 1991. Nitrate and ammonium uptake and solution pH changes in Al-tolerant and Al-sensitive sorghum (*Sorghum bicolor*) genotypes grown with and without aluminum. p. 805-814. *In R.J. Wright, V.C. Baligar, and R.P. Murrmann (eds.) Plant-Soil Interactions at Low pH. Kluwer Academic Publ., Dordrecht, The Netherlands.*
- Galvez, L., R.B. Clark, L.A. Klepper, and L. Hansen. 1991. Organic acid and free proline accumulation and nitrate reductase activity in two sorghum (*Sorghum bicolor*) grown with toxic levels of aluminum. p. 859-867. *In R.J. Wright, V.C. Baligar, and R.P. Murrmann (eds.) Plant-Soil Interactions at Low pH. Kluwer Academic Publ., Dordrecht, The Netherlands.*
- Gourley, Lynn M. 1994. Success in acid/low fertility soils in Colombia. p. 221-233. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Huda, A.K.S., M.V.K. Sivakumar, G. Alagarswamy, S.M. Virmani and R.L. Vanderlip. 1984. Problems and prospects in modeling pearl millet growth and development: A suggested framework for a millet model. p. 297. *In Agrometeorology of Sorghum and Millet in the Semi-Arid Tropics.*
- Krieg, D.R. 1994. Stress tolerance mechanisms in above ground organs. p. 65-79. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Limon Ortega, A., S.C. Mason, A.R. Martin, and T.J. Arkebauer. 1995. Pearl millet and sorghum response (canopy temperature and grain yield) to competition. First National Grain Pearl Millet Symposium. Proc., p. 41.
- Livera-Munoz, M., J.D. Eastin and J.M. Norman. 1990. Microclima, temperaturas nocturnas elevadas, respuestas fisiologicas y rendimiento en sorgo. *In A Larque-Saaredra (ed.) El Agua En Las Plantas Cultivados, p. 95-104. Colegio De Postgraduados. Chapingo, Mexico*
- Lopez-Pereira, M.A., J.H. Sanders, F. Gomez and D.H. Meckenstock. 1989a. Intercropping systems and the adoption of new technologies: New sorghum cultivars and soil conservation techniques in southern Honduras, p. 1327-1344. *In Proc. 35th annual PCCMCA. Vol. 4. San Pedro Sula, Honduras. April 3-7, 1991. Ministry of Natural Resources, Tegucigalpa, Honduras.*
- Maas, E.V. 1994. Testing crops for salinity tolerance. p. 234-247. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*

- Magnavaca, R. and A.F.C. Bahia Filho. 1994. Success in maize acid soil tolerance. p. 209-220. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses*, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Maranville, J.W. and S. Madhavan. 2002. Physiological adaptations for nitrogen use efficiency in sorghum. *Plant Soil* p. 245:25-34. *In Proc. of International Workshop; Food security in Nutrient-stressed environments: exploiting plants genetic capabilities*, 27-30 Sept. 1999, ICRISAT - Patancheru, India.
- Maranville, J.W. 1995. Mechanisms of nitrogen use efficiency in sorghum. *Proc. 19th Bienn. Grain Sorghum Res. Utiliz. Conf.*, March 5-7, Lubbock, TX, p. 25-30.
- Maranville, J.W. and S. Sirifi. 1995. Pearl millet response to N fertilizer in silty clay loam soils of eastern Nebraska. p. 109. *In I.D. Teare, J. Woodruff and D. L. Wright (eds.) Proc. 1st Nat. Grain Pearl Millet Symp.* January 17-18. Tifton, GA
- Maranville, J.W. 1991. Strategies of nitrogen use efficiency in C₄ grain crops. P. . 71-74. *In Proc. 17th Bienn. Grain Sorghum Res. Utiliz. Conf.* February 17-20. Lubbock, TX.
- Mason, S.C. and J.W. Maranville. 1995. Crop production strategies: An INTSORMIL perspective, p. 51-63. *In Gebrekidan, B. (ed.) Natural Resource Management and InterCRSP in West Africa. Proc. Regional Workshop: Technology Development and Transfer to Improve Natural Resource Management in West Africa*, 18-22 Sept. 1995. Niamey, Niger.
- McLaren, N.W., J. Saayman, J. Benade and M. van der Walt. 2002. Evaluation of reduced sorghum seed germination. p. 267-268. *In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Morgan, P.W., C-J He, K.L. Childs, K.R. Foster, J.I. Sarquis, M.C. Drew, W.R. Jordan, J.E. Mullet, J-L Lu, J. Cairney and F.R. Miller. 1993. Hormones as components of plant regulatory systems: examples from tropical grasses. P. 18. *Proc. Plant Growth Regulator Society of America*. August 6-9. St. Louis, MO.
- Peterson, G.C. and B.B. Pendleton. 2001 PROFIT - Productive Rotations On Farms In Texas: A new paradigm for sorghum research and information delivery in Texas. p. 82-92. *In Proceedings of the 56th Annual Corn and Sorghum Research Conference*. Chicago, IL. Dec. 5-7, 2001. American Seed Trade Association, Inc., Alexandria, VA.
- Peterson, G.C., B.B. Pendleton and G.L. Teetes. 2002. PROFIT – Productive Rotations On Farms In Texas. p. 365-370. *In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Raju, P.S., R.B. Clark, J.R. Ellis, R.R. Duncan and J.W. Maranville. 1990. Benefit and cost analysis and phosphorus efficiency of VA mycorrhizal fungi colonizations with sorghum (*Sorghum bicolor*) genotypes grown at varied phosphorus levels. P. 165-170. *In M.L. Beusichem (ed.) Plant nutrition - physiology and application*. Kluwer Acad. Publ., Dordrecht, The Netherlands.
- Rosenow, Darrell T. 1994. Screening plants for drought. p. 133-141. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses*, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Sanderson, Matt A., G. Ali, Mark A. Hussey, and Fred R. Miller. 1994. Plant density effects on forage quality and morphology of four sorghum cultivars. *Proc. American Forage and Grassland Council*. Vol. 3:237-241.

- Schaffert, Robert E. 1994. Discipline interactions in the quest to adapt plants to soil stresses through genetic improvement. p. 1-13. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Scott, B.J. and J.A. Fisher. 1994. Comparing selection strategies for tolerance of acid soils. p. 103-116. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Shannon, Michael C. 1994. Development of salt stress tolerance — Screening and selection systems for genetic improvement. p. 117-132. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*
- Vietor, D.M., D.T. Rosenow, and W.L. Rooney. 1999. Carbon partitioning within and among organs of stay green sorghum cultivars. p. 14. *Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA), National Grain Sorghum Producers Association, Tucson, AZ, February 21-23, 1999.*
- Youngquist, J.B., D.J. Davidson and J.W. Maranville. 1989. Nitrogen partitioning and leaf development at various growth stages in five sorghum hybrids. p. 167. *Proc. 16th Bienn. Grain Sorghum Res. and Utiliz. Conf., Lubbock, TX.*
- Zobel, R.W. 1994. Stress resistance and root systems. p. 80-100. *In Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.*

Dissertation and Theses

M.S. Degrees

- Bagayoko, M. 1989. Residual effects of rotational and continuous cropping systems on soil mineral nitrogen and grain sorghum yield. M.S. thesis, University of Nebraska, Lincoln, NE.
- Buah, S.S.J. 1995. Response of nitrogen use efficient sorghums to nitrogen fertilizer. M.S. thesis. University of Nebraska.
- Chanika, Chimings S.M. 1988. Field evaluation of seed size and density on establishment and grain yield in pearl millet. M.S. thesis. Kansas State University, Manhattan, KS.
- Chinake, Colleen C. 1988. Genetic and temperature effects on mesocotyl and coleoptile lengths and temperature and moisture effects on germination of pearl millet. M.S. thesis. Kansas State University, Manhattan, KS.
- Christensen, Neal B. 1983. Response of pearl millet to Kansas grain sorghum environments. M.S. thesis. Kansas State University, Manhattan, KS.
- Coulibaly, Adama. 1992. Relationship between growth rate and tiller number in grain sorghum. M.S. thesis. Kansas State University, Manhattan, KS.
- Coulibaly, Sidi Bekaye. 1991. Physiological characteristics of sorghums [*Sorghum bicolor* (L.) Moench] related to drought resistance. M.S. thesis. University of Nebraska, Lincoln, NE.

- Dione, Siriba. 1991. Influences of abscisic acid on sorghum growth and stress resistance. M.S. thesis. University of Nebraska, Lincoln, NE
- Domingos, Mpanzo. 1993. The influence of cropping system and of harvesting time on the physiological quality of sorghum seeds [*Sorghum bicolor* (L.) Moench]. University Federal de Vicosa, Minas Gerais, Brazil.
- Doumbia, M.D. 1990. Acid soil fertility at the Cinzana Station, Mali, West Africa. M.S. thesis in Soil Science, Texas A&M University.
- Felix, Joel. 1992. Corn/soybeans cropping systems, management and their effect on weed control. M.S. thesis. Purdue University, West Lafayette, IN.
- Freyenberger, Stanley G. 1986. Emergence, yield, and yield-components responses to size and density separations of pearl millet seed produced by three management practices. M.S. thesis. Kansas State University, Manhattan, KS.
- Gardner, John C. 1980. The effect of seed size and density on field emergence and yield of pearl millet. M.S. thesis. Kansas State University, Manhattan, KS.
- Gouveia, Sergio J. 1994. Effects of chemical desiccation and early harvesting on sorghum [*Sorghum bicolor* (L.) Moench] seed germination. M.S. thesis. Texas A&M University, College Station, TX.
- Gutierrez, Patricio F. 1994. Physiologic response of landrace sorghum to light intensity and intercropping. M.S. thesis, University of Nebraska, Lincoln, NE.
- Heiniger, Ronnie W. 1991. The pattern of kernel weights within the panicle of [*Sorghum Bicolor* (L.) Moench] and factors which influence that pattern. M.S. thesis. Kansas State University, Manhattan, KS.
- Kabambe, Vernon. 1990. On the effects of environmental factors on mesocotyl elongation of pearl millet and its importance to stand establishment. M.S. thesis. Kansas State University, Manhattan, KS.
- Kaganda, Suleiman R. 1993. Seedling competitiveness of warm-season grasses. M.S. thesis. University of Nebraska, Lincoln, NE.
- Kasalu, H. 1991. Evaluation of germination and seedling emergence characteristics for grain sorghum genotypes. 1990. M.S. thesis, University of Nebraska, Lincoln, NE.
- Limon-Ortega, A. 1995. Competitive ability of pearl millet and grain sorghum to weeds measured by canopy temperature and yield, M.S. Thesis, University of Nebraska, Lincoln, NE.
- Lele, Etani O. 1993. The effect of management on crop/weed relationships in grain sorghum. M.S. thesis. Kansas State University, Manhattan, KS.
- Madulu, Ruth B. 1993. Effect of crop management on sorghum grain yield, yield components, and water use. M.S. thesis. Kansas State University, Manhattan, KS.
- Makaudze, Ephias. 1993. Implications of drought in Zimbabwe and effect on agriculture. M.S. thesis. Texas A&M University, College Station, TX.
- Maposse, Inacio C. 1993. Response of morphologically divergent strains of sudangrass to row spacing and harvest scheme. M.S. thesis. University of Nebraska, Lincoln, NE.

- Marake, Makaola. 1989. Increasing nitrogen use efficiency by dryland sorghum under conventional disk and no-till systems. M.S. thesis. University of Nebraska, Lincoln, NE.
- Mgema, William G. 1992. Screening sorghum for manganese toxicity in nutrient solutions. M.S. thesis. University of Nebraska, Lincoln, NE.
- Modiakgotla, Elijah E. 1985. Pearl millet [*Pennisetum americanum* (L.) Leeke] emergence, yield and yield component response to seed quality and soil temperature. M.S. thesis. Kansas State University, Manhattan, KS.
- Mohamed, M.S. 1988. Millet-soybean rotation and nitrogen fertilizer effects on millet productivity. M.S. thesis. University of Nebraska, Lincoln, NE.
- Moroke, Thebeetsile. 1992. Pedological evaluation of reclaimed surface mined soil. M.S. thesis. Southern Illinois University, Carbondale, IL.
- Msiska, Felix. 1990. Effect of a plant growth regulator on cotton and sorghum. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Mwageni, Gallus J. 1978. Seed vigor measurements and their use in predicting field establishment of grain pearl millet. M.S. thesis. Kansas State University, Manhattan, KS.
- Mwale, Moses. 1993. Nitrogen transformations in soil during the decomposition of labeled corn and soybean residue. M.S. thesis. University of Nebraska, Lincoln, NE.
- Nouri, Maman. 1998. Pearl millet growth and nutrient uptake in Nebraska and Niger. M.S. thesis. University of Nebraska, Lincoln, NE.
- Nxumalo, Edgar. 1990. Inheritance of nitrogen uptake and use efficiency in grain sorghum. M.S. thesis. Sam Houston State University, Huntsville, AL.
- Nyakatawa, Ermson Zuva. 1993. Effect of temperature and soil moisture stress on seedling emergence force of selected grain sorghum (*Sorghum bicolor* (L.) Moench) genotypes under simulated soil crust strengths. M.S. thesis. University of Nebraska, Lincoln, NE.
- Palmer, John C. 1980. Yield comparisons of pearl millet [*Pennisetum americanum* (L.) Leeke] and grain sorghum [*Sorghum bicolor* (L.) Moench]. M.S. thesis. Kansas State University, Manhattan, KS.
- Pereira, Luiz M. 1992. Agroclimatic factors influencing drought resistance in millet. M.S. thesis. University of Nebraska, Lincoln, NE.
- Raju, Pakalpati S. 1985. Differential phosphorus nutrition in sorghum genotypes. M.S. thesis. University of Nebraska, Lincoln, NE.
- Sebolai, Boingotlo. 1989. Seedling vigor of three forage grasses. M.S. thesis. University of Nebraska, Lincoln, NE.
- Sirifi, S. 1993. Nitrogen uptake and utilization by pearl millet grown at different soil moisture and nitrogen regimes. M.S. thesis. University of Nebraska, Lincoln, NE.
- Sow, A.A. 1990. The relationship between soil water utilization and the phosphorus status of sorghum. M.S. thesis in Soil Science, Texas A.&M University.

Toure, A.W. Effect of rate and time of application on pearl millet response to nitrogen. M.S. thesis. University of Nebraska, Lincoln, NE

Ph.D. Degrees

Blewett, T.C. 1986. Temperature and nitrogen influence on growth, nitrogen use efficiency, dry matter and nitrogen partitioning of pearl millet [*Pennisetum americanum* (L.) Leeke] hybrids. Ph.D. Diss. Abst. No. DA 8620802. University of Nebraska, Lincoln, NE.

Brito, Rui Miguel C.L. 1994. Network Modeling of Two-Phase Flow in Porous Media. Ph.D. Diss. Colorado State University, Fort Collins, CO.

Dhopte, A.M. 1984. Influence of night temperature of and megasporogenesis in *Sorghum bicolor* (L.) Moench, Ph.D. Diss. University of Nebraska, Lincoln, NE.

Fernandez, P.G. 1987. Studies on physiological mechanisms of nitrogen use efficiency in sorghum. Ph.D. Diss. Abst. No. DA 8719777. University of Nebraska, Lincoln, NE.

Gakale, Lucas P. 1986. Complementary effects of grain legumes to sorghum [*Sorghum bicolor* (L.) Moench] yields, nitrogen nutrition and residual soil mineral nitrogen accumulation in rotation systems. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Galvez, L. 1989. Studies on mechanisms of aluminum tolerance in sorghum. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Gardner, J.C. 1988. Strategies of nitrogen use efficiency among landrace and domesticated sorghum cultivars. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Gono, Lawrence T. 1993. Sorghum emergence among genotypes in relation to soil water and soil temperature. Ph.D. Diss. Kansas State University, Manhattan, KS.

Heiniger, Ronnie W. 1993. Validation and use of a plant growth model to determine replant guidelines for grain sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. Diss. Kansas State University, Manhattan, KS.

Lansac, A.R. 1990. Effects of cold on proline accumulation in sorghum pollen. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Livera-Munoz, M. 1985. Physiological responses of sorghum to its environment. I. Long term effects of suboptimal temperatures on development. II. Measuring conductance and water vapor and CO₂ exchange in canopies. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Maliro, C.E. 1993. Nitrogen and stress environments on the physiology and yield of grain sorghum. Ph.D. Diss., University of Nebraska, Lincoln, NE.

Maman, Nouri. 2003. Water and Nitrogen Use of Pearl Millet and Grain Sorghum in Nebraska. Ph.D. Dissertation. University of Nebraska, Lincoln, NE.

Masi, Cassim E.A. 1997. Studies of root systems and nitrogen uptake in diverse sorghum genotypes. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Matowo, Peter R. 1993. Nitrogen management in grain sorghum production. Ph.D. Diss. Kansas State University, Manhattan, KS.

- Mbuya, Odemari S. 1993. Nitrogen and atrazine movement in soil and nitrogen distribution in sorghum as influenced by soil water content. Ph.D. Diss. University of Florida, Gainesville, FL.
- Mohamed, Mirghani S. 1994. Quantitative nitrogen and growth models of grain sorghum (cv. Srn-39) as influenced by mineral and/or bio-nitrogen from preceding forage legumes in Sudan. Ph.D. Diss., University of Nebraska, Lincoln, NE.
- Molapong, Keoagile F. 1994. Evaluation of a continuous lime recommendation based on soil acidity components. Ph.D. Diss. North Carolina State University, Raleigh, NC.
- Mortlock, Miranda Y. 1988. Germination and stand establishment of pearl millet and sorghum of different seed qualities under field conditions in Botswana and controlled high temperature environments. Ph.D. Diss. Kansas State University, Manhattan, KS.
- Mostafa, S. 1986. Agronomic performance of grain sorghum hybrids [*Sorghum bicolor* (L.) Moench] under several environments as a function of their male parent selection. Ph.D. Diss. University of Nebraska, Lincoln, NE.
- Murtadha, H.M. 1986. Effects of nitrate/ammonium ratio, nitrogen source, temperature, relative humidity and light intensity on growth and calcium uptake, translocation and accumulation in sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. Diss. Abst. No. DA 8609807.
- Odo, P.E. 1985. Evaluation of mixed crop of sorghum [*Sorghum bicolor* (L.) Moench] and legumes. Ph.D. Diss., Univ. of Nebraska, Lincoln, NE.
- Okonkwo, Julius C. 1983. Effect of crop management on seed quality, subsequent seedling establishment and grain yield of pearl millet. Ph.D. Diss. Kansas State University, Manhattan, KS.
- Raju, Pakalpati S. 1986. Vesicular-arbuscular mycorrhizal infection effects on growth and uptake of phosphorus and mineral elements by sorghum. Ph.D. Diss. Abstract No. 47:4353-B (1987). University of Nebraska, Lincoln, NE.
- Roder, W. 1987. Sorghum-soybean rotation and fertilizer effects on selected soil properties and crop productivity. Ph.D. Diss., University of Nebraska, Lincoln, NE. Diss. Abst. 88-10328.
- Stockton, R.D. 1999. Ethylene involvement in grain sorghum germination and early seedling growth. Ph.D. Diss, University of Nebraska, Lincoln, NE. 110 p.
- Traore, A. 1998. Physiological contributions to nitrogen use efficiency in grain sorghum. Ph.D. diss. Univ. of Nebraska.
- Traore, M. 1985. Physiological and morphological mechanisms of drought resistance in sorghum and pearl millet. Ph.D. Diss. University of Nebraska, Lincoln, NE.
- Traoré, Samba. 1999. Effects of genotypes and weed removal on the competitive ability of grain sorghum. Ph.D. diss. University of Nebraska. 208 p.
- Santos, J.R.A. 1985. Assessing the effects of long-term sorghum-soybean rotation given four nitrogenous fertilizer treatments. Ph.D. Diss. University of Nebraska, Lincoln, NE.

- Williams, E.P. 1987. A quantitative genetic evaluation of S₁ progenies from a random-mating sorghum population grown under iron deficient growth chamber and field conditions. Ph.D. Diss. Abst. No. DA 8719788. University of Nebraska, Lincoln, NE.
- Youngquist, J.B. 1987. Maximizing cereal crop production in Botswana during years of drought. Ph.D. Diss. University of Nebraska, Lincoln, NE.
- Zaifnejad, Mojtaba. 1993. Growth relations of water deficit and aluminum toxicity in sorghum. Ph.D. Diss. University of Nebraska, Lincoln, NE.

Other Degrees

- Boggs, L.L. 1992. Planting date, row spacing, and weed control effects on dwarf grain pearl millet production. M.A. thesis. Chadron State College, Chadron, NE.
- Cruz-Ortiz, German. 1992. Niveles críticos de algunos elementos mayores y menores en suelos ácidos cultivados en sorgo *Sorghum bicolor* L. Moench. B.S. thesis. National University of Colombia, Palmira, Colombia.
- Granados, M.A. 1992. Growth and absorption of NPK in two grain sorghum hybrids in three densities (In Spanish). Ing. Agro. thesis. Panamerican Agricultural School. El Zamorano, Honduras.
- Moncada-Barahona, E. 1991. Sorghum tolerance to maize shade (In Spanish). Ing. Agro. thesis. Escuela Agrícola Panamericana. El Zamorano, Honduras.
- Osorio, Carlos Enrique. 1992. Importancia de la fertilización foliar y edáfica con calcio y elementos menores en la producción y rentabilidad del sorgo *Sorghum bicolor* L. Moench. B.S. thesis. National University of Colombia, Palmira, Colombia.
- Pacheco, R. Agronomic characterization of sixteen enhanced maicillos. (In Spanish). Ingeniero Agronomo thesis. Escuela Agrícola Panamericana. April 1998. Zamorano.
- Riascos, Edgar. 1992. Determinación de zonas ecológicas para la producción de sorgo *Sorghum bicolor* L. Moench. In: Arauca. B.S. thesis. National University of Colombia, Palmira, Colombia.
- Talavera, M. 1991. Nitrogen efficiency of sorghum SureZo and ISIAP Dorado in the Spring and Fall (In Spanish). Ing. Agro. thesis. Panamerican Agricultural School. El Zamorano, Honduras.
- Teran, A.C. 1998. Evaluation of two planting densities on sorghum hybrids Marfil and CBX896-10. (In Spanish). Ingeniero Agronomo thesis. Escuela Agrícola Panamericana. April 1998. Zamorano.

Miscellaneous Publications

- Andrews, D.J., J.F. Rajewski and S.C. Mason. 1998. Grain pearl millet: A new crop being developed at UNL. *Extended Visions* 2(1):2.
- Christensen, N.B., J.C. Palmer, H.A. Praeger, Jr., W.D. Stegmeier and R.L. Vanderlip. 1984. Pearl millet - a potential crop for Kansas. *Kans. Ag. Expt. Sta., Keeping Up With Research* 77.

- Coulibaly, A., S. Traoré, M. Bagayoko and S.C. Mason. 2000. Intercropping millet with maize. *In* J. Slaats and O. Niangado (eds.). Technology leaflets: Agricultural Research Station Cinzana. IER - Syngenta Foundation, Basel, Switzerland..
- Coulibaly, A., S. Traoré, M. Bagayoko and S.C. Mason. 2000. Soil fertility management in millet cropping system. *In* J. Slaats and O. Niangado (eds.). Technology leaflets: Agricultural Research Station Cinzana. IER - Syngenta Foundation, Basel, Switzerland.
- Coulibaly, A., S. Traoré, M. Bagayoko and S.C. Mason. 2000. Establishing cowpea rotation crop in millet cropping system. *In* J. Slaats and O. Niangado (eds.). Technology leaflets: Agricultural Research Station Cinzana. IER - Syngenta Foundation, Basel, Switzerland.
- Coulibaly, A., S. Traoré, M. Bagayoko and S.C. Mason. 2000. Intercropping millet with cowpea. *In* J. Slaats and O. Niangado (eds.). Technology leaflets: Agricultural Research Station Cinzana. IER - Syngenta Foundation, Basel, Switzerland.
- Coulibaly, A., S. Traoré, M. Bagayoko and S.C. Mason. 2000. Intercropping millet with groundnut. *In* J. Slaats and O. Niangado (eds.). Technology leaflets: Agricultural Research Station Cinzana. IER - Syngenta Foundation, Basel, Switzerland.
- Francis, C.A., M.D. Clegg and S.C. Mason. 1989. Alternatives to monoculture: Sustainable systems for U.S. crop production. Food and Fertilizer Technology Center Extension Bulletin No. 301. Taipei City, Republic of China on Taiwan.
- Helmers, G., S.C. Mason, G.A. Varvel and Nouri Maman. 2002. The impact of rotations on risk. Focus (Economic Issues for Nebraskans): 11 - 14.
- Meckenstock, D.H., E. Moncada and F. Gomez. 1992. Shade tolerant sorghum. Sorghum Newsletter 33:52-53.
- Mortlock, M.Y., and R.L. Vanderlip. 1988. Effect of seed quality on stand establishment of pearl millet: on-farm trials. INTSORMIL Technical Report 1.
- Mortlock, M.Y., and R.L. Vanderlip. 1989. Effect of seed quality on stand establishment of pearl millet: II. On-station millet experiments. INTSORMIL Technical Rept. 89-2.
- Muuka, F.P. and W.W. Hanna. 2002. Pollen drying techniques in pearl millet. International Sorghum and Millets Newsletter. 43:88-90.
- Taonda, S.J.B., A. Sohero and B. Ilboudo. 2000. Amelioration des systPmes de culture a base de mil [improving pearl millet based cropping systems] Extension bulletin. Institut de l'Environnement et de Recherches Agricoles (INERA) Ouagadougou, Burkina Faso.
- Tonnes, A., T.L. Thurow, and H.E. Sierra. 1998. Sustainable management of tropical steplands: an assessment of terraces as a soil and water conservation technology. USAID/Soil Management Project/Texas A&M University. Technical Bulletin No. 98-1.
- Youngquist, J.B. and J.W. Maranville. 1990. Relative contributions of component traits for N use efficiency to genotype variation in sorghum. Sorghum Newsletter 31:7.

- Zavala-Garcia, F., J.D. Eastin, P.K. Verma and M.D. Witt. 1992. Sorghum genotypic sensitivity in CO₂ gas exchange to non optimal growing conditions. Agron. Abst. p. 135.
- Zavala-Garcia, F., P.J. Bramel-Cox, O. Marinesco and J.D. Eastin. 1992. Effect of the selection environment on genotypic responses to a wide range of environments. Agron. Abst. p. 120.
- Zavala-Garcia, F., O. Marinesco, P.J. Bramel-Cox, J.D. Eastin and M.D. Witt. 1991. Choosing selection environments in sorghum for high variable target areas. Agron. Abst. p. 122.
- Zavala-Garcia, F., P.J. Bramel-Cox, J.D. Eastin and D.J. Andrews. 1990. Stability analysis of S₁ population derived from sorghum families. Agron. Abst. p. 177.

Biotechnology



Journal Articles

- Boora, K.S., R.A. Frederiksen, and C.W. Magill. 1999. A molecular marker that segregates with sorghum leaf blight resistance in one cross is maternally inherited in another. *Mol. Gen. Genet.* 261:317-322.
- Boora, K.S., R.A. Frederiksen and C.W. Magill. 1998. DNA-based markers for a recessive gene conferring anthracnose resistance in sorghum. *Mol. Gen. Genet.* 261:317-322.
- Boora, K.S., R.A. Frederiksen, and C.W. Magill. 1998. DNA-based markers for a recessive gene conferring anthracnose resistance in sorghum. *Crop Science* 38:1708-1709.
- Cai, T., G. Ejeta and L.G. Butler. 1995. Screening for grain polyphenol variants from high tannin sorghum somaclones. *Theoretical and Applied Genetics.* 90, 211-220.
- Cai, T., G. Ejeta and L.G. Butler. 1994. Development and Maturation of Sorghum Seeds on Detached Panicles Grown *In Vitro*. *Plant Cell Reports.* 14:116-119.
- Cai, T., A.G.T. Babiker, G. Ejeta and L.G. Butler. 1993. Morphological Response of Witchweed (*Striga asiatica*) to *in vitro* Culture. *J. Exp. Botany* 44:1377-1384.
- Cai, T. and L.G. Butler. 1990. Efficient Plant Regeneration from Embryonic Calli Initiated from Immature Inflorescences of Several High Tannin Sorghums. *Plant Cell, Tissue and Organ Culture* 20:101-110.
- Cai, T. B. Daly and L. Butler. 1987. Callus Induction and Plant Regeneration from Shoot Portions of Mature Embryos of High Tannin Sorghums. *Plant Cell, Tissue and Organ Culture* 9:245-252.
- Casas, A.M., A.K. Konowicz, U.B. Zehr, J.D. Axtell, L.G. Butler, R.A. Bressan and P.M. Hasegawa. 1993. Transgenic Sorghum Plants via Microprojectile Bombardment. *Proc. Natl. Acad. Sci. USA* 90:11212-11216.
- Chang, M. D.H. Netzly, L.G. Butler and D.G. Lynn. 1986. Chemical Regulation of Distance: Characterization of the First Natural Host Germination Stimulant for *Striga asiatica*. *J. Am. Chem. Soc.* 108:7858-7860.
- Chopra, S., V. Brendel, J. Zhang, J.D. Axtell, and T. Peterson. 1999. Molecular characterization of a mutable pigmentation phenotype and isolation of the first active transposable element from Sorghum bicolor. *Proc. National Academy of Sci.* 96(26):15330-15335.
- Crasta, O.R., W. Xu, D.T. Rosenow, J.E. Mullet, and H.T. Nguyen. 1999. Mapping of post-flowering drought resistance traits in grain sorghum: Association of QTLs influencing premature senescence and maturity. *Molec. Gen. Genetics* 262:579-588.
- Elhag, H. and L.G. Butler. 1992. Effect of Genotype, Explant Age and Medium Composition on Callus Production and Plant Regeneration from Immature Embryos of Sorghum. *Arab Gulf J. Sci. Res.* 10:109-119.
- Gowda, P.S.B., C.W. Magill, R.A. Frederiksen and G.W. Xu. 1995. DNA based markers for downy mildew resistance genes in sorghum. *Genome* 38:823-826.
- Guthrie, P.A.I., C.W. Magill, R.A. Frederiksen and G.N. Odvody. 1992. Random amplified polymorphic DNA markers: A system for identifying and differentiating isolates of *Colletotrichum graminicola*. *Phytopathology* 82:832-835.

- Islam-Faridi, M.N., K.L. Childs, G. Hodnett, M.A. Menz, R.R. Klein, P.E. Klein, W.L. Rooney, J.E. Mullet, D.M. Stelly, and H.J. Price. 2002. A Molecular Cytogenetics Map of Sorghum Chromosome 1: FISH Analysis with Mapped BACs. *Genetics* 161:345-353.
- Islam-Faridi, M.N., K. L. Childs, P. E. Klein, G. Hodnett, M. A. Menz, . R. Klein, W. L. Rooney, J. E. Mullet, D. M. Stelly and H. J. Price. 2001. A Molecular Cytogenetics Map of Sorghum Chromosome 1: FISH analysis with Mapped BACs. *Genetics* Vol. 161 p. 345-353.
- Katsar, C.S., A.H. Paterson, G.L. Teetes, and G.C. Peterson. 2002. Molecular analysis of sorghum resistance to the greenbug (Homoptera: Aphididae). *J. Econ. Entomol.* 95(2): 448-457.
- Kebede, H., P.K. Subudhi, D.T. Rosenow, and H.T. Nguyen. 2001. Quantitative trait loci: influencing drought tolerance in grain sorghum (*Sorghum bicolor* L. Moench). *Theor Appl. Genet.* 103:266-276.
- Klein, RR, R. Rodriguez-Herrera, J.A. Scheulter, P.E. Klein, Z.H. Yu, and W.L. Rooney. 2001. Identification of genomic regions that affect grain mold incidence and other traits of agronomic importance in sorghum. *Theor. Appl. Genet.* 102:307-309.
- Melake Berhan, A., S.H. Hulbert, L.G. Butler and J.L. Bennetzen. 1993. Structure and Evolution of the Genomes of *Sorghum bicolor* and *Zea mays*. *Theoretical and Applied Genetics* 86:598-604.
- Menkir, A., P. Goldsbrough, and G. Ejeta. 1998. RAPD Based Assessment of Genetic Diversity in Cultivated Races of Sorghum. *Crop Science* 37:564-569.
- Muza, F.R., D.J. Lee, D.J. Andrews, and S.C. Gupta. 1995. Mitochondial DNA variation in finger millet (*Eleusine coracana* L. Gaertn). *Euphytica* 81:199-205.
- Oberthur, E. R.L. Nicholson and L.G. Butler. 1983. Presence of Polyphenolic Materials, Including Condensed Tannins in Sorghum Callus. *J. Agr. Food Chem.* 31:660-662.
- Oh, B.J., R.A. Frederiksen and C.W. Magill. 1996. Identification of RFLP markers linked to a gene for downy mildew resistance (Sdm) in sorghum. *Can. J. of Bot.* 74:315-317.
- Oh, B.J., R.A. Frederiksen and C.W. Magill. 1994. Identification of molecular markers linked to head smut resistance gene (*Shs*) in sorghum by RFLP and RAPD analyses. *Phytopathology* 84:830-833.
- Sanchez, A.C., P.K. Subudhi, D.T. Rosenow, and H.T. Nguyen. 2002. Mapping QTLs associated with drought resistance in sorghum (*Sorghum bicolor* L. Moench). *Plant Molecular Biology* 48:713-726.
- Steenkamp, E. T., B. D. Wingfield, T. A. Coutinho, K. A. Zeller, M. J. Wingfield, W. F. O. Marasas and J. F. Leslie. 2000. PCR-based identification of *MAT-1* and *MAT-2* in the *Gibberella fujikuroi* species complex. *Applied and Environmental Microbiology* 66: 4378-4382.
- Tuinstra, M., G. Ejeta, and P. Goldsbrough. 1998. Evaluation of Near-Isogenic Sorghum Lines Contrasting for QTL Markers Associated with Drought Tolerance. *Crop Science* 38:835-842.
- Vogler, R.K., G. Ejeta, and L.G. Butler. 1995. Integrating biotechnological approaches for the control of *Striga*. *African Crop Sci. Journal.* 3:217-222.

- Xu, W., P.K. Subudhi, O. Crasta, D.T. Rosenow, J.E. Mullet, and H.T. Nguyen. 2000. Molecular mapping of QTL's conferring stay green in grain sorghum [*Sorghum bicolor* (L.) Moench]. *Genome* 43:461-469.
- Zeller, K. A., J. E. Jurgenson, E. M. El-Assiuty and J. F. Leslie. 2000. Isozyme and amplified fragment length polymorphisms (AFLPs) from *Cephalosporium maydis* in Egypt. *Phytoparasitica* 28: 121-130.

Books, Book Chapters and Proceedings

- Babiker, A.G.T., I.A. Ali, G. Ejeta, L.G. Butler and W.R. Woodson. 1995. *Striga asiatica* germination requires stimulation of 1-aminocyclo-propane 1-carboxylic acid (ACC) synthesis and oxidation. P. 23-24. In J.A. Bailey and J.A. Lane (eds.). Proceedings of International Workshop on Parasitic Plants: Biology and Resistance. IACR-Long Ashton Research Station, Bristol, UK. May 30th-June 2nd, 1995.
- Bailey, J.A., C. Sherriff and R.J. O'Connell. 1995. Identification of specific and intraspecific diversity in *Colletotrichum*. p. 197-211. In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Bennetzen, J.L. 1997. The potential of biotechnology for the improvement of sorghum and pearl millet. p. 13-20. In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Boora, K.S., A. Sindhu, P. Boora and C.W. Magill. 2002. Identification of molecular markers for oval leaf spot resistance in sorghum. p. 239-242. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Breese, W.A., C.T. Hash, K.M. Devos and C.J. Howarth. 2002. Pearl millet genomics and breeding for resistance to downy mildew. p. 243-246. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Butler, L.G. and G. Ejeta. 1996. Biotechnological approaches for understanding mechanisms of resistance to *Striga*. p. 567-572. In M.T. Moreno, J.I. Cubero, D. Berner, D. Joel and L.J. Musselman (eds). Advances in Parasitic Plant Research: Proceedings of the Sixth International Parasitic Weeds Symposium. Direccion General De Investigacion Agraria. April 16-18, 1996. Cordoba, Spain.
- Butler, L.G. Biotechnology Research on *Striga*. S.K. Kim (ed.). In Combating *Striga* in Africa: Proc. 14th International Conference of the Groupe Polyphenols. August 16-19, 1988. Brock University, St. Catharines, Ontario. p. 111-114.
- Crasta, O., W. Xu, D.T. Rosenow, J.E. Mullet, and H.T. Nguyen. 1995. Marker assisted identification of QTLs associated with drought resistance traits in grain sorghum. p. 136-138. In Proc. 19th Biennial Grain Sorghum Research and Utilization Conference, March 5-7, 1995, Lubbock, TX. 171 p.
- Dahlberg, J.A., C.T. Hash, S. Kresovich, B. Maunder and M. Gilbert. 1997. Sorghum and pearl millet genetic resources utilization. p. 42-54. In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.

- Dickman, M.B. 1995. The molecular biology of fungal-plant interactions. p. 149-195. *In* J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Eberhart, S.A., P.J. Bramel-Cox and K.E. Prasado Rao. 1997. Preserving genetic resources. p. 25-41. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet*, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Ejeta, G. P. Golsbrough, M. Tuinstra, E. Grote, A. Menkir, Y. Ibrahim, N. Cisse, Y. Weerasuriya, A. Melakeberhan and C. Shaner. 2000. Molecular marker applications in sorghum. *In* Proceedings of Workshop on Application of Molecular Markers. Ibadan, Nigeria. <http://www.ICRISAT.org/text/research\gref\homepage\mol\molecular.htm>
- Ejeta, G., M. Tuinstra, E. Grote and P. Goldsbrough. 1999, Genetic Analysis of pre-flowering and post flowering drought tolerance in sorghum. p. 137-141. *In* Jean-Marcel Ribaut and P. Poland (eds.) *Proceedings of Workshop on Molecular Approaches for the Genetic Improvement of Cereals for Stable Production in Water Limited Environments*, 21-25 June, 1999, CIMMYT, El Batan, Mexico.
- Guthrie, P.A.I., R.A. Frederiksen and G.N. Odvody. 1991. Race identification of *Colletotrichum graminicola* isolates on sorghum by use of RAPD markers. p. 99. *In* Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.
- Hulbert, S.H, 1995. Molecular markers and the construction of genetic maps. p. 231-254. *In* J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Kerényi, Z., J.F. Leslie and L. Hornok. 1998. A PCR-based method for the detection of isolates with a common mating type in seven mating populations of *Gibberella fujikuroi*. p. 65. *In* Proc. of the Annual Meeting of the Hungarian Society for Microbiology (Miskolc).
- Larkins, B., C. Lending, J. Wallace, G. Galili and M. Lopes. 1991. Application of biotechnology for improving cereal protein quality. p. 155-163. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) *Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Leslie, J. F. *Molecular Fungal Genetics*; eds. R. P. Oliver and M. Schweizer; Cambridge University Press, New York, 377 p. Reviewed in *Quarterly Review of Biology* 77(2002): 69-70.
- Lopez, M. and B. Larkins. 1991. Genetic regulation of modified protein composition in quality protein maize. p. 142-154. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) *Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Magill, C.W., R.A. Frederiksen, K. Boora, R. Perumal and S. Sivaramakrishnan. 2002. Molecular tags for disease resistance genes in sorghum: Improved prospects for mapping. p. 247-252. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Magill, C.W., K. Boora, R. Sunitha Kumari, Jairo Osorio, B.J. Oh, B. Gowda, Yunxing Cui, and Richard Frederiksen. p. 316-325. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet*, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.

- Milgroom, M.G. 1995. Analysis of population structure in fungal plant pathogens. p. 213-229. *In* J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Nguyen, Henry T. 1997. Use of biotechnology in sorghum drought resistance breeding, part A. p. 412-424. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Nguyen, Henry T., Wenwei Xu, Oswald Crasta, Darrell T. Rosenow, and John M. Mullet. 1995. p. 1-5. *In* *Proc. International Congress on Integrated Studies on Drought Tolerance in Higher Plants*. Aug 31-Sept 2, 1995, Montpellier, France.
- Obilana, A.B., E.S. Monyo and S.C. Gupta. 1997. Impact of genetic improvement in sorghum and pearl millet: Developing country experiences. p. 119-141. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Oh, B.-J., R.A. Frederiksen and C.W. Magill. 1993. Construction of a molecular linkage map and identification of molecular markers linked to head smut resistance gene(s) in sorghum by RFLP and RAPD analyses. p. 157. *In* *Proc. 18th Biennial Grain Sorg. Res. and Util. Conf. February 28-March 2, 1993*. Lubbock, TX.
- Peterson, G.C., D.T. Rosenow and H.T. Nguyen. 1999. Breeding and Marker Assisted Selection - Overcoming Bugs and Thirst. p. 25-30. *In* *Proc. of the 21st Biennial Grain Sorghum Research and Utilization Conference*. Tucson, AZ. 21-23 Feb. 1999.
- Rana, B.S., Swarnlata Kaul, and M.H. Rao. 1997. Impact of genetic improvement on sorghum productivity in India. p. 142-165. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Smith, Stephen and H.L. Shands. 1997. Germplasm and the biodiversity treaty. p. 589-604. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Smith, Roberta H. and Shyamala Bhaskaran. 1994. Biotechnology for improved stress tolerance. p. 163-173. *In* *Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993*, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Tuinstra, M.R. and G. Ejeta. 1997. Analysis of drought tolerance in sorghum: Mapping of Quantitative trait loci and their evaluation in near-isogenic lines, Part B. p. 425-428. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.

Miscellaneous Publications

- Cai, T. and L.G. Butler. 1992. Sorghum Suspension Cultures. *Sorghum Newsletter* 33:9
- Menkir, A., P.B. Goldsborough, and G. Ejeta. 1997. RAPD based assessment of genetic diversity in cultivated races of sorghum. *Crop Sci.* 37:463-569

Oh, B.-J., P.S.B. Gowda, G.-W. Xu, R.A. Frederiksen and C.W. Magill. 1993. Tagging Acremonium wilt, downy mildew and head smut resistance genes in sorghum using RFLP and RAPD markers. Sorghum Newsletter 34:34.

Oh, B.J., G.W. Xu, R.A. Frederiksen and C.W. Magill. 1992. Developing RFLP markers linked to head smut resistant genes in sorghum. Sorghum Newsletter 33:8.

Thomas, M.D., and U.L. Rosewich and R.A. Frederiksen. 1995. Preliminary studies on total DNA restriction fragment length polymorphism of West African isolates of *Colletotrichum graminicola* from sorghum. International Sorghum and Millets Newsletter 36:90-93.

Xu, G.W., G.E. Hart, K.F. Schertz, C.W. Magill, R.A. Frederiksen and J.E. Mullet. 1991. Restriction fragment length polymorphism (RFLP) mapping of the sorghum genome: A progress report. p. 26. In Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.

Dissertation and Theses

M.S. Degrees

Anderson, C. 1994. Restriction Mapping of the Internal Transcribed Spacer of the Ribosomal DNA of *Fusarium section Liseola*. M.S. thesis. Kansas State University, Manhattan, KS

Daly, B.M. 1985. Identification of an unusual anthocyanidin in callus cultures of *Sorghum bicolor* L. (Moench) optimized for growth. M.S. thesis. Purdue University, West Lafayette, IN.

Ph.D. Degrees

Carvalho, Carlos H.S. 1999. Agrobacterium-mediated transformation of sorghum and analysis of putative transposable element-induced mutants in sorghum. Ph.D. diss. Purdue University, W. Lafayette, IN.

Crasta, Oswald R. 1995. Molecular genetic analysis of stay green, a post-flowering drought resistance trait in grain sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. diss. Texas Tech University, Lubbock, TX.

Katsar, Catherine S. 1998. Molecular Analysis of Greenbug Resistance in Sorghum and other Poaceae Host Plants. Ph.D. diss., Texas A&M University, College Station, TX

Oh, B.J. 1994. Identification of RFLP markers linked to sorghum head smut resistance genes and sugar specificity in glycoprotein among sorghum head smut resistance classes. Ph.D. diss. Texas A&M University, College Station, TX.

Other Degrees

Cai, T. 1986-1994. Sorghum and *Striga* tissue culture. Postdoctoral. Purdue University, West Lafayette, IN.

Elhag, H. 1985. Sorghum tissue culture. Postdoctoral. Purdue University, West Lafayette, IN.

Melake-Berhan, A. 1989-present. Mapping the sorghum genome, and the biochemical basis for mold resistance in sorghum grain. Postdoctoral. Purdue University, West Lafayette, IN.

Abstracts

- Alexander, N. J., R. D. Plattner, R. L. Bowden and J. F. Leslie. 2001. Linkage of molecular markers with trichothecene genotypes in *Gibberella zeae*. Fungal Genetics Newsletter 48(Suppl.):158.
- Boora, K., R.A. Frederiksen and C. Magill. 1995. Genetic markers associated with foliar disease resistance in sorghum. Proc. 19th Biennial Grain Sorg. Res. and Util. Conf. March 5-7, 1995. Lubbock, TX. 19:111.
- Butler, L.G., T. Cai and G. Ejeta. 1993. Sorghum cell, tissue and organ culture. Agron. Abst. p. 173.
- Butler, L.G. 1991. Somaclonal Variation in Sorghums. Rice Biotechnology Quarterly 5:40-41.
- Cai, T. G. Ejeta and L.G. Butler. 1993. Facile sorghum plant regeneration from PP290 a high yielding drought tolerant variety. Agron. Abst. p. 83.
- Cai, T., G. Ejeta and L.G. Butler. 1993. Development and maturation of sorghum seeds on detached panicles grown *in vitro*. 18th Biennial Grain Sorghum Research and Utilization Conference, Lubbock, TX. February 28 - March 2, 1993. p. 139.
- Cai, T., G. Ejeta and L.G. Butler. 1993. Grain polyphenol variants from tissue culture derived sorghum somaclones. 18th Biennial Grain Sorghum Research and Utilization Conference, Lubbock, TX. February 28 - March 2, 1993. p. 34.
- Cai, Tishu and L.G. Butler. 1991. Sorghum Suspension Cultures and Callus Formation from Suspension Culture Protoplasts. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 258.
- Crasta, Oswald, Wenwei Xu, Darrell Rosenow, John Mullet, and Henry Nguyen. 1996. Molecular genetic analysis of the relationship stay green trait and grain yield in sorghum. p. 65. *In Plant Genome IV*, January 14-18, 1996. San Diego, Ca.
- Crasta, Oswald, Wenwei Xu, Darrell Rosenow, John Mullet and Henry Nguyen. 1995. QTL analysis of yield and related drought resistance traits in grain sorghum. p. 31. *In Plant Genome III*, January 15-19, 1995, San Diego, CA.
- Crasta, O.R., W.W. Xu, D.T. Rosenow, J.H. Mullet, and H.T. Nguyen. 1994. Tagging drought resistant traits using molecular markers in a sorghum RI population, B35*Tx430. Agron. Abst. p. 212.
- Ejeta, G., P. Goldsbrough, M. Tuinstra, E. Grote, and M. Mickelbart. 1999. Drought tolerance in sorghum: mapping of QTL and analysis of near-isogenic lines. Agron. Abst., p. 242.
- Grote, E., G. Ejeta, M. Tunistra and P. Goldsbrough. 1993. Selection indices for drought tolerance in RAPD mapping and QTL analysis of sorghum. Agron. Abst. p. 176.
- Guthrie, P.A.I., R.A. Frederiksen and G.N. Odvody. 1991. RAPD (random amplified polymorphic DNA) markers as a system for differentiating between isolates of *Colletotrichum graminicola* on sorghum. Page 273. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

- Ibrahim, Y., A. Melakeberhan, Y. Weerasuriya, N. Cisse, J. Bennetzen, G. Ejeta. 1998. Construction of a sorghum linkage map and identification of loci involved in *Striga* resistance. Agron. Abst. p. 156.
- Jurgenson, J. E., R. L. Bowden, K. A. Zeller and J. F. Leslie. 2000. AFLP Linkage map of *Gibberella zeae*. *Phytopathology* 90: s40.
- Jurgenson, J. E., K. A. Zeller and J. F. Leslie. 1999. A genetic map using AFLP markers of *Fusarium moniliforme* (*Gibberella fujikuroi*). *Fungal Genetics Newsletter* 46(Supplement): 106.
- Katsar, C.S., A.H. Paterson, G.C. Peterson, and G.L. Teetes. 1997. Molecular analysis of resistance to greenbug in sorghum. Pages 654-655. In Rosenow et al eds. Proc. of International Conference on the Genetic Improvement of Sorghum and Pearl Millet. Lubbock, TX. Sep. 22-27, 1996. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5
- Kumari, S., C. Magill, and R.A. Frederiksen. 1995. Genetic mapping of fungal inhibiting proteins affecting grain mold in sorghum. Proc. 19th Biennial Grain Sorg. Res. and Util. Conf. March 5-7, 1995. Lubbock, TX. 19:110.
- Leslie, J. F. and K. A. Zeller. 2000. AFLPs for distinguishing populations and species of *Fusarium*. *Phytopathology* 90: s46.
- Naidoo, G., C.W. Magill and R.A. Frederiksen. 1991. Molecular characterization of *Sporisorium reilianum*. *Phytopathology* 81:Abst. 205.
- Peterson, G.C. J. Dahlberg, D.K. Muiltze, D.T. Rosenow and F.R. Miller. 1993. Multi-location nearest neighbor analysis of sorghum data using AGROBASE/4TM. Agron. Abst. p. 192.
- Saleh, A. A., K. A. Zeller, E. M. El-Assiuty and J. F. Leslie. 2000. AFLP diversity of *Cephalosporium maydis* in Egypt. *Phytopathology* 60: s68.
- Siame, Bupé and Larry G. Butler. 1991. Isolation and Characterization of Water-soluble *Striga* Seed Germination Stimulants. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 258.
- Steenkamp, E. T., B. D. Wingfield, T. A. Coutinho, M. J. Wingfield, W. F. O. Marasas and J. F. Leslie. 1999. PCR-based differentiation of *MAT-1* and *MAT-2* from *Gibberella fujikuroi*. *Phytopathology* 89: s75.
- Subudhi, P.K., H.T. Nguyen, and D.T. Rosenow. 1999. High resolution mapping and transfer of stay green QTLs in sorghum. Agron. Abst., p. 369.
- Tunistra, M., P. Goldsbrough, E. Grote and G. Ejeta. 1993. Identification and RAPD mapping of quantitative trait loci associated with drought tolerance in sorghum. Agron. Abst. p. 184.
- Weerasuriya, Y., G. Ejeta, A. Melake Berhan, J. Bennetzen and L.G. Butler. 1993. Identification of RAPD markers linked to *Striga* resistance in sorghum. Agron. Abst. p. 105.
- Weerasuriya, Yohan and Larry G. Butler. 1991. Stimulation and Inhibition of *Striga* Seed Germination. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 259.
- Xu, Wenwei, Oswald Crasta, Darrell Rosenow, John Mullet, and Henry Nguyen. 1996. Molecular mapping of drought resistance genes in grain sorghum. p. 24. In Plant Genome IV, January 14-18, 1996. San Diego, CA.

- Xu, Wenwei, Oswald Crasta, Darrell Rosenow, John Mullet, and Henry Nguyen. 1995. Major QTLs for post-flowering drought resistance in grain sorghum. p. 22. *In Plant Genome III*, January, 1995, San Diego, CA.
- Xu, G.W., K.F. Schertz, C.W. Magill, R.A. Frederiksen, J.E. Mullet and G.E. Hart. 1991. Construction of an RFLP linkage map of *Sorghum bicolor*. *Agron. Abst.* p. 202.
- Zeller, K. A., M. A. Wohler, L. V. Gunn, S. Bullock, B. A. Summerell, and J. F. Leslie. 2003. Interfertility and marker segregation in hybrid crosses of *Gibberella fujikuroi* and *Gibberella intermedia*. *Fungal Genetics Newsletter* 50(Suppl.): 144.
- Zeller, K. A., R. L. Bowden and J. F. Leslie. 2000. AFLP diversity of *Fusarium graminearum* (*Gibberella zae*) in two wheat-scab epidemic populations. *Inoculum* 51(3): 69.
- Zeller, K. A., J. E. Jurgenson, and J. F. Leslie. 1999. AFLP markers reveal genetic variation in Egyptian populations of *Cephalosporium maydis*. *Fungal Genetics Newsletter* 46(Supplement): 94.

Breeding



Journal Articles

- Alexander, J.D., R.W. Toler, and F.R. Miller. 1990. Plant density effect on proportion of maize dwarf mosaic virus infection in sorghum. *A. Phytopath. Soc.* Vol. 80. No. 4.
- Andrews, D.J. and K. Anand Kumar. 1996. Use of the West African pearl millet landrace Iniadi in cultivar development (ARD JA #11126). *Plant Genetic Res. Newsltr.* 105:15-22.
- Andrews, D.J., and J.F. Rajewski. 1995. Registration of NPM-3 grain pearl millet. *Crop Sci.* 35:1229.
- Andrews, D.J., J.F. Rajewski, and L.A. Pavlish. 1995. Registration of NPM-1 and NPM-2 grain pearl millet germplasms. *Crop Science.* 35:597-598.
- Andrews, D.J. and Paula Bramel-Cox. 1994. Breeding cultivars for sustainable crop production in low-input dryland agriculture in the tropics. p. 211-222. *In* D.A. Buxton (ed.) *Intern. Crop Sci. I.* Chapter 28.
- Andrews, D.J., P.J. Bramel-Cox and G.E. Wilde. 1993. New sources of resistance to greenbug, biotype I, in sorghum. *Crop Sci.* 33:198-199.
- Andrews, D.J. and K.A. Kumar. 1992. Pearl millet for food, feed and forage. *Advances in Agronomy* 48:89-139.
- Andrews, D.J., B.E. Johnson and W.M. Ross. 1990. Registration of N122, a pair of A/B grain sorghum parental lines. *Crop Sci.* 30:1379.
- Andrews, D.J., S.B. King, J.R. Witcombe, S.D. Singh, K.N. Rai, R.P. Thakur, B.S. Talukdar, S.B. Chavan and P. Singh. 1985. Breeding for disease resistance and yield in pearl millet. *Field Crops Res.* 11:241-258.
- Andrews, D.J., K.N. Rai, and S.D. Singh. 1985. A single dominant gene for rust resistance in pearl millet. *Crop Sci.* 25:565-566.
- Andrews, D.J., S.C. Gupta, and P. Singh. 1985. Registration of ICMV-1 pearl millet. *Crop Sci.* 25:199-200.
- Archer, T.L., E.D. Bynum, Jr., and G.C. Peterson. 1986. Importance of plant senescence on grain sorghum resistance to the Banks grass mite (Acari: Tetranychidae). *J. Econ. Entomol.* 79:15-17.
- Beall, F.D., P.W. Morgan, L.N. Mander, F.R. Miller and K.H. Babb. 1991. Genetic Regulation of development in sorghum bicolor. V. The ma_{3R} allele results in gibberellin enrichment. *Plant Physiolol.* 95:116-125.
- Bacon, R.K., R.P. Cantrell, and J.D. Axtell. 1986. Selection for seedling cold tolerance in grain sorghum. *Crop Sci.* 26:900-903.
- Bhaskaran, S., R.H. Smith, R.J. Newton. 1985. Proline and water stress in drought-tolerant and drought-susceptible cultivars of sorghum. *Tissue Culture Assoc. In Vitro Cellular & Developmental Biology*, Vol. 21 (3) 35.
- Bramel-Cox, P.J., D.J. Andrews and K.J. Frey. 1987. Trait associations in introgressed populations of pearl millet. *Plant Breeding* 98:17-24.
- Bramel-Cox, P.J., D.J. Andrews, F.R. Bidinger, and K.J. Frey. 1984. A rapid method for evaluating growth rate in pearl millet [*Pennisetum americanum* (L.) Leeke] and its wild and weedy relatives (*ssp monodii* and *ssp. stenostaegyum*). *Crop Sci.* 24:1187-1191.

- Bramel-Cox, P.J., D.J. Andrews, and K.J. Frey. 1986. Exotic germplasm for improving grain yield and growth rate in pearl millet. *Crop Sci.* 26:687-690.
- Cherney, J.H., D.J.R. Cherney, D.E. Akin and J.D. Axtell. 1992. Potential of brown-midrib, low-lignin mutants for improving forage quality. *Advances in Agronomy.* 46:158-198.
- Cherney, D.J.R., J.H. Cherney, J.A. Patterson and J.D. Axtell. 1992. *In vitro* reminal fiber digestion as influenced by phenolic-carbohydrate complexes released from sorghum cell walls. *Ani. Feed Sci. & Technology* 39:79-93.
- Cherney, J.H., K.J. Moore, J.J. Volenec, and J.D. Axtell. 1986. Rate and extent of digestion of cell wall components of brown-midrib sorghum species. *Crop Sci.* 26:1055-1059.
- Cherney, J.H., J.D. Axtell, M.M. Hassen and K.S. Anliker. 1988. Forage quality characterization of a chemically induced brown-midrib mutant in pearl millet. *Crop Sci.* 28:783-787.
- Chopra, S., V. Brendel, J. Zhang, J.D. Zxtell, and T. Peterson. 1999. Molecular characterization of a mutable pigmentation phenotype and isolation of the first active transposable element from *Sorghum bicolor*. *Proc. National Academy of Sci.* 96(26):15330-15335.
- Cisse, N., and G. Ejeta. 2003. Genetic variation and relationships among seedling vigor traits in sorghum. *Crop Sci.* 43:824-828.
- Cisse, N. and G. Ejeta. 2001. Genetic variation and relationships among seedling vigor traits in sorghum. *Crop Sci.* 43:162-169.
- Collins, S.D., R.A. Frederiksen, W.L. Rooney, and D.T. Rosenow. 2000. Registration of TAM Bk-59 Sorghum Germplasm. *Crop Science.* 40:585-586.
- Collins, S.D., R.A. Frederiksen, D.T. Rosenow and F.R. Miller. 1993. Registration of Tx2891 sorghum germplasm line. *Crop Sci.* 33:1109.
- Crasta, O.R., W. Xu, D.T. Rosenow, J.E. Mullet, and H.T. Nguyen. 1999. Mapping of post-flowering drought resistance traits in grain sorghum: Association of QTLs influencing premature senescence and maturity. *Molec. Gen. Genetics* 262:579-588.
- Dahlberg, J.A., D.T. Rosenow, G.C. Peterson, L.E. Clark, F.R. Miller, A. Sotomayor-Ríos, A.J. Hamburger, P. Madera-Torres, A. Quiles-Belen, and C.A. Woodfin. 1998. Registration of forty converted sorghums from the sorghum conversion program. *Crop Sci.* 38:564-565.
- de Franca, J.G.E., L.W. Rooney, R.D. Waniska and F.R. Miller. 1990. Evaluations of malting characteristics in sorghum genotypes. American Assoc. of Cereal Chemist Conference. Dallas, TX. October 1990. *Cereal Food World.* 35:831
- Duncan, R.R., F.R. Miller, D.T. Rosenow, A. Sotomayor-Rios and S. Torres-Cardona. 1990. Registration of GTPP7R (H) C5 white seeded, tan plant, and foliar disease resistant sorghum germplasm population. *Crop Sci.* 30:239-240.
- Duncan, R.R., A. Sotomayor-Rios, P.R. Hepperly, D.T. Rosenow, F.R. Miller, J. Narro, G.A. Forbes, and R.A. Frederiksen. 1987. Registration of GPTM3BR(H)C4 Fusarium head blight and stalk rot resistant population. *Crop Sci.* 27:1321-1322.

Breeding

- Ejeta, Gebisa and D.T. Rosenow. 1993. Registration of P89001 to P89010, 10 fertility restorer parental lines of sorghum. *Crop Sci.* 33:222-223.
- Ejeta, G. 1988. Development and spread of Hageen Dura-1, the first commercial sorghum hybrid in the Sudan. *Applied Agric. Res.* 3:29-35.
- Ejeta, G. and J.D. Axtell. 1987. Protein and lysine levels in developing kernels of normal and high lysine sorghum. *Cereal Chem.* 64(3):137-139.
- Ejeta, G. and J.D. Axtell. 1987. Dry matter accumulation and carbohydrate composition in developing normal and high lysine sorghums. *J. of Agri. Food Chem.* 35(6):981-985.
- Ejeta, G., M.M. Hassen and E.T. Mertz. 1987. *In vitro* digestibility and amino acid composition of pearl millet (*Pennisetum typhoides*) and other cereals. *Proc. Natl. Acad. Sci. USA* 84:6016-6019.
- Ejeta, G. and J. Axtell. 1985. Mutant gene in sorghum causing leaf “reddening” and increased protein concentration in the grain. *J. Heredity* 76:301-302.
- Esele, J.P., R.A. Frederiksen and F.R. Miller. 1993. The association of genes controlling caryopsis traits with grain mold resistance in sorghum. *Phytopathology* 83:490-495.
- Francis, C.A., M. Saeed, L.A. Nelson, and R. Moomaw. 1984. Yield stability of sorghum hybrids and random-mating populations in early and late planting dates. *Crop Sci.* 24:1109-1112.
- Frederiksen, R.A., D.T. Rosenow, D. Collins, and J. Craig. 1986. Registration of 6 bulks of downy mildew resistant sorghum germplasm. *Crop Sci.* 26:208-209.
- Galiba, M., R.D. Waniska, L.W. Rooney and F.R. Miller. 1988. Couscous quality of sorghum with different kernel characteristics. *J. Cereal Sci.* 7:183-193.
- Galiba, M., R.D. Waniska, L.W. Rooney and F.R. Miller. 1987. The preparation of sorghum and millet couscous in West Africa. *Cereal Foods World.* 32:878-884.
- Galvez, L., R.B. Clark, L.M. Gourley and J.W. Maranville. 1989. Effects of silicon on mineral composition of sorghum grown with excess manganese. *J. Plant Nutr.* 12:547-561.
- Galvez, L., R. B. Clark, L. M. Gourley and J. W. Maranville. 1987. Silicon interactions with manganese and aluminum toxicity in sorghum. *J. Plant Nutr.* 10:1139-1147.
- Gerik, T.J. and F.R. Miller. 1984. Photoperiod and temperature effects on tropically and temperately adapted sorghum. *Fields Crop Res.* 9:29-40
- Giorda, L.M., R.W. Toler and F.R. Miller. 1986. Identification of sugarcane mosaic virus Strain-H isolate in commercial grain sorghum. *Plant Disease* Vol. 70. No. 7.
- Goggi, A.S., J.C. Delouche and L.M. Gourley. 1994. Sorghum [*Sorghum bicolor* (L.) Moench] seed internal morphology related to seed specific gravity, weathering and immaturity. *Journal of Seed Technology* 17:1-11.
- Gourley, L.M., S.A. Rogers, C. Ruiz G. and R.B. Clark. 1990. Genetic aspects of aluminum tolerance in sorghum. *Plant and Soil* 123:211-216.

Breeding

- Graham, G.G., W.C. MacLean, Jr., E. Morales, B.R. Hamaker, A.W. Kirleis, E.T. Mertz, and J.D. Axtell. 1986. Digestibility and utilization of protein and energy from Nasha, a traditional Sudanese fermented weaning food. *J. Nutr.* 116:978-984.
- Grote, E., G. Ejeta, and D. Rhodes. 1994. Inheritance of glycinebetaine deficiency in sorghum. *Crop Sci.* 34:1217-1220.
- Guevera, L.D., T.T. Bauman, J.D. Axtell and G. Ejeta. 1993. Herbicidal activity of primisulfuron and nicosulfuron on 232 sorghum genotypes. *WSSA* 32:13.
- Gupta, S.C., F.R. Muza and D.J. Andrews. 1997. Registration of INFM 95001 Finger Millet Genetic Male Sterile Line. *Crop Sci.* 37:1409.
- Hamaker, B.R., A.W. Kirleis, L.G. Butler, J.D. Axtell and E.T. Mertz. 1987. Improving the *in vitro* protein digestibility of sorghum with reducing agents. *Proc. Natl. Acad. Sci. USA* 84:626-628.
- Hamaker, B.R., E.T. Mertz, A.W. Kirleis, and J.D. Axtell. 1986. Effect of cooking on the protein profiles and pepsin digestibility of sorghum and maize. *J. Agric and Food Chem.* 34:647-649.
- Harrison, R.L. and F.R. Miller. 1993. Registration of 'Della' sweet sorghum. *Crop Sci.* 33:1416.
- Harvey, T.L., H.L. Hackerott, T.J. Martin, and W.D. Stegmeier. 1985. Mechanical insect dispenser for infesting plants with greenbugs, *Schizaphis graminum (Rondani)* (Homoptera: Aphididae). *Journal of Economic Entomology.* 78:489-492.
- Hassen, M.M., E.T. Mertz, A.W. Kirleis, G. Ejeta, J.D. Axtell, and E. Villegas. 1986. Tryptophan levels in normal and high lysine sorghums. *Cereal Chem.* 63:175-177.
- Hicks, C., M.R. Tuinstra, J. Pedersen, F.E. Dowell, and K.D. Kofoid. 2002. Genetic analysis of feed quality and seed size in sorghum inbred lines and hybrids using analytical methods and NIRS. *Euphytica* 127:31-40.
- Hill, P.R., J.L. Ahlrichs and G. Ejeta. 1989. Rapid evaluation of sorghum for aluminum tolerance. *Plant and Soil* 114:85-90.
- Hofmann, W.C., M.K. O'Neill, and A.K. Dobrenz. 1984. Physiological responses to sorghum hybrids and parental lines to soil moisture stress. *Agron. J.* 76:223-228.
- Ibrahim, O.E., J.D. Axtell, and W.E. Nyquist. 1985. Quantitative inheritance and correlations of agronomic and grain quality traits of sorghum. *Crop Sci.* 25:649-654.
- Jain, R.P., S.B. Chavan, B.S. Talukdar and D.J. Andrews. 1991. Registration of 'ICMS 7703' pearl millet. *Crop Sci.* 31:1281-1382.
- Jenks, M.A., P.J. Rich, P.J. Peters, J.D. Axtell and E.N. Ashworth. 1992. Epicuticular wax morphology of bloomless (bm) mutants in sorghum bicolor. *Int. J. Plant Sci.* 153(3):311-319.
- Jorgensen, J.A., D.T. Rosenow and H.T. Nguyen. 1993. Genetic comparison of heat shock protein synthesis in sorghum. *Crop Sci.* 33:638-641
- Khizzah, B.W., F.R. Miller and R.J. Newton. 1993. Inheritance and heritability of heat tolerance in several sorghum cultivars during the reproductive phase. *African Crop Sci. J.* 1:81-85.

Breeding

- Kidambi, S.P., D.R. Krieg and D.T. Rosenow. 1990. Genetic variation for gas exchange rates in grain sorghum. *Plant Physiol.* 92:1211-1214.
- Knapp, S.J., W.W. Stroup, and W.M. Ross. 1985. Exact confidence intervals for heritability on a progeny mean basis. *Crop Sci.* 25:192-194.
- Kresovich, S., F.R. Miller, R.L. Monk, R.E. Dominy and D.M. Broadhead. 1988. Registration of 'Grass1' sweet sorghum. *Crop Sci.* 194-195.
- Krishna, K.R., P.J. Dart, and D.J. Andrews. 1985. Genotype dependent variation in mycorrhizal colonization and response to inoculation of pearl millet. *Plant and Soil* 86:113-125.
- Kumar, Anand K., K.N. Rai, B.S. Talukdar, D.J. Andrews, and A.S. Rao. 1995. Registration of pearl millet parental line ICMP 451. *Crop Sci.* 35:604.
- Kumar, K. Anand and D.J. Andrews. 1993. Genetics of qualitative traits in pearl millet: a review. *Crop Sci.* 33:1-20.
- Kumar, A., D.J. Andrews, R.P. Jain, and S.D. Singh. 1984. Registration of ICMA-1 pearl millet parental lines with Al cytoplasmic-genic male sterility system. *Crop Sci.* p. 832.
- Kumar, A. and D.J. Andrews. 1984. Cytoplasmic male sterility in pearl millet [*Pennisetum americanum* (L.) Leeke] - A review. *Adv. Appl. Biol.* 10, 113-143.
- Lusk, J.W., P.K. Karau, D.O. Balogu, and L.M. Gourley. 1984. Brown midrib sorghum or corn silage for milk production. *J. Dairy Sci.* 67:1739-1744.
- Lynch, R.E., B. Guo, P. Timper, and J.P. Wilson. 2003. United States Department of Agriculture-Agricultural Research Service research on improving host-plant resistance to pests. *Pest Management Science* 59:718-727.
- Maciel, G.A., K.N. Rai and D.J. Andrews. 1987. Combining ability analyses of grain yield, plant height and days to bloom in pearl millet. *Rev. Brazil. Genet.* X 3:535-541.
- Machado, S., E.D. Bynum, T.L. Archer, R.J. Lascano, J. Bordovsky, L.T. Wilson, E. Segarra, D.T. Rosenow, G.C. Peterson, K. Bronson, and D.M. Nesmith. 2002. Spatial and temporal variability of sorghum grain yield: Influence of soil, water, pests, and diseases relationships. *Precision Agriculture* 3:389-406.
- Major, D.J., S.B. Rood, and F.R. Miller. 1989. Temperature and photoperiod effects mediated by the sorghum maturity genes. *Crop Sci.* 30:305-310.
- Mann, J.A., E.E. Gbur, and F.R. Miller. 1985. A screening index for adaptation in sorghum cultivars. *Crop Sci.* 25:4:593-598.
- Masud, S.M., R.D. Lacewell and F.R. Miller. 1989. Breakeven price comparisons between high energy sorghum production and competing crops in selected regions of Texas. *Biomass J.* 20:237-247.
- McBee, G.G. and F.R. Miller. 1990. Carbohydrate and lignin concentrations in stems of sorghum hybrids at seven plant growth stages. *Agron. J.* 82:687-690.
- McBee, G.G. and F.R. Miller. 1990. Carbohydrate and lignin partitioning in sorghum stems and blades. *Agron. J.* 82:687-690.

Breeding

- McBee, G.G., R.A. Creelman and F.R. Miller. 1988. Ethanol yield and energy potential of stems from a spectrum of sorghum biomass types. *Biomass*. 17(3):203-211.
- Meckenstock, D.H., F. Gomez, D.T. Rosenow and V. Guiragossian. 1993. Registration of SureZo sorghum. *Crop Sci.* 33:213.
- Meckenstock, D.H. and M.A. Soler-Flores. 1986. Performance of eighteen dwarf maicillos in Honduras. (In Spanish). *Ceiba* 28:67-77.
- Menkir, A., P.B. Goldsbrough, and G. Ejeta. 1997. RAPD based assessment of genetic diversity in cultivated races of sorghum. *Crop Sci.* 37:564-569.
- Mertz, E.T. 1986. Genetic and biochemical control of grain protein synthesis in normal and high lysine cereals. *World Review of Nutrition and Dietetics* 48:222-262.
- Mertz, E.T., M.M. Hassen, C. Cairns-Whittern, A.W. Kirleis. 1984. Pepsin digestibility of proteins in sorghum and other major cereals. *Proc. Natl. Acad. Sci. USA* 81:1-2.
- Mickelbart, M.V., G. Peel, R.J. Joly, D. Rhodes, G. Ejeta and P. Goldsbrough. 2003. Development and characterization of near-isogenic lines of sorghum segregating for glycinebetaine accumulation. *Physiol. Plant.* 118: 253-261.
- Miller, F.R., K.L. Prihoda, L.W. Rooney, D.T. Rosenow and R.D. Waniska. 1996. Registration of a food quality sorghum restorer parent, Tx2907. *Crop Science* 36(2):479.
- Miller, F.R. and G.G. McBee. 1993. Genetics and management of physiologic systems of sorghum for biomass production. *Biomass and Bioenergy*. 5(1):41-49.
- Miller, F.R., T.F. Dusek, K.L. Prihoda and L.W. Rooney. 1992. Registration of RTx436 sorghum parental line. *Crop Sci.* 32:511-512.
- Miller, F.R., R. Clara and V. Guiragossian. 1992. Registration of A/BTx635 Sorghum. *Crop Sci.* 32:1517-1518.
- Miller, F.R., T.F. Dusek, K.L. Prihoda. 1992. Registration of A₂/B₂Tx636 and A₂/B₂Tx637 sorghum. *Crop Sci.* 32:511-512
- Miller, F.R., Christian Domanski and Laura M. Giorda. 1992. Registration of A/BTxARG-1 Sorghum. *Crop Sci.* 32:1517.
- Miller, F.R. and Toler, R.W. 1990. Registration of Rtx1858 MDMV-A resistant germplasm. *Crop Sci.* 30:764.
- Miller, F.R., L.W. Rooney and D.T. Rosenow. 1990. Registration of Tx2818 through Tx2857 *Sorghum bicolor* (L.) Moench germplasm lines. *Crop Sci.* 30:1168-1170.
- Miller, F.R. and R.W. Toler. 1990. Registration of RTx2858 MDMV - a resistant germplasm. *Crop Sci.* 30:764.
- Miller, F.R. 1986. Registration of RTx435 sorghum parental line. *Crop Sci.* 6:215-216.
- Miller, F.R. 1986. Registration of seven sorghum A- and B-line inbreds. *Crop Sci.* 6:216-217.

Breeding

- Miller, F.R. and R.W. Toler. 1984. Registration of Tx2786 sorghum germplasm. *Crop Sci.* 24:1219.
- Miller, F.R. 1984. Registration of RTx432 sorghum. *Crop Sci.* 24:392.
- Miller, F.R. and D.T. Rosenow. 1984. Registration of RTx433 sorghum parental line. *Crop Sci.* 24:1225-1226.
- Miller, F.R. and D.T. Rosenow. 1984. Registration of RTx434 sorghum parental line. *Crop Sci.* 24:1226.
- Miller, F.R. 1984. Registration of RTx430 sorghum parental line. *Crop Sci.* 24:1224.
- Mohamed, A., A. Ellicott, T. L. Housley and G. Ejeta. 2003. Hypersensitive response to striga infection in sorghum. *Crop Sci.* 43: 1320-1324.
- Monk, R.L., F.R. Miller and G.G. McBee. 1984. Sorghum improvement for energy production. *Biomass* 6:145-153.
- Monyo, E.S., G. Ejeta and D. Rhodes. 1992. Genotypic variation for glycinebetaine in sorghum and its relationship to agronomic and morphological traits. *Maydica* 37:283-286.
- Monyo, E.S., J.D. Axtell, W.E. Nyquist and G. Ejeta. 1988. Combining ability of high lysine lines of *Sorghum bicolor* (L.) Moench derived from P-721 opaque. *Crop Sci.* 28(1):70-75.
- Moran, J.L., and W.L. Rooney. 2003. Comparative agronomic performance of iso-cytoplasmic grain sorghum hybrids. *Crop Sci.* 43:777-781.
- Morgan, P.W., S.A. Finlayson, K.L. Childs, J.E. Mullet, and W.L. Rooney. 2002. Developmental physiology of grasses: Opportunities to improve adaptability and yield. *Crop Sci.* 42:1791-1799.
- Motalaote, B., J.L. Starr, R.A. Frederiksen and F.R. Miller. 1987. Host status and susceptibility of sorghum to *Pratylenchus* species. *Revue Nematol.* 10(1):81-86.
- Muuka, F.P. and W.W. Hanna. 2002. Pollen drying techniques in pearl millet [*Pennisetum glaucum* (L.) R. Br.]. *International Sorghum and Millet Newsletter* 43:88-90.
- M'Ragwa, L.R.F., C.E. Watson, Jr., and L.M. Gourley. 1995. Selection response for seedling root length and coleoptile length in pearl millet. *Crop Science.* 35:1032-1036.
- Newton, R.J., S. Bhaskaran, J.D. Puryear, and R.H. Smith. 1986. Physiological changes in cultured sorghum cells in response to induced water stress. II Soluble carbohydrates and organic acids. *Plant Physiol.* 81:626-629.
- Otte, C.E., W.M. Ross, C.Y. Sullivan, R.L. Voigt, and F.R. Miller. 1984. Evaluation of R-lines from the sorghum random-mating population NP3R. *Crop Sci.* 24:9-12.
- Ouendeba, B., G. Ejeta, W.W. Hanna, and A. Kumar. 1995. Diversity among African pearl millet landraces. *Crop Sci.* 35:919-924.
- Ouendeba, B., G. Ejeta, W.E. Nyquist, W.W. Hanna and A. Kumar. 1993. Heterosis and combining ability among African pearl millet landraces. *Crop Sci.* 33:735-739.

- Peterson, G.C., B.B. Pendleton and G.L. Teetes. 2002. PROFIT – Productive Rotations On Farms In Texas. In J. Leslie (Ed.). Sorghum and Millets Diseases, World Agriculture Series, Iowa State Press: A Blackwell Publishing Company, Ames, IA. Pp. 365-370.
- Peterson, Gary C. Jerry W. Jones, George L. Teetes, Bonnie B. Pendleton and Kenneth Schaefer. 2000. Grain yield of sorghum midge-resistant sorghum hybrids, 1999. *Arthropod Management Tests*. 25:427-428.
- Peterson, G.C. and A.B. Onken. 1992. Relationship between chlorophyll concentration and iron chlorosis in grain sorghum. *Crop Sci*. 32:964-967.
- Peterson, G.C., G.L. Teetes, B.R. Wiseman, A. Sotomayor-Rios, J.W. Jones and K. Schaefer. 1991. Registration of 22 midge-resistant sorghum germplasm lines. *Crop Sci*. 31:498-499.
- Peterson, G.C., T.L. Archer, G.L. Teetes and J.W. Jones. 1991. Registration of 10 biotype E greenbug-resistant sorghum germplasm lines. *Crop Sci*. 31:499-500.
- Peterson, G.C., A.E.B. Ali, G.L. Teetes, J.W. Jones and K. Schaefer. 1989. Grain sorghum resistance to midge by yield loss vs. visual scores. *Crop Sci*. 29:1136-40.
- Peterson, G.C., J.W. Johnson, G.L. Teetes, and D.T. Rosenow. 1985. Registration of greenbug biotype C resistant sorghum germplasm. *Crop Sci*. 25:373.
- Peterson, G.C., J.W. Johnson, G.L. Teetes and D.T. Rosenow. 1984. Registration of Tx 2783 greenbug resistant sorghum germplasm line. *Crop Sci*. 24:390.
- Peterson, G.C., J.W. Johnson, G.L. Teetes, D.T. Rosenow and R.E. Schaffert. 1984. Registration of Tx2782 midge resistant sorghum germplasm line. *Crop Sci*. 24:389-390.
- Peterson, G.C., J.W. Johnson, G.L. Teetes, and D.T. Rosenow. 1985. Registration of midge resistant sorghum germplasm. *Crop Sci*. 25:372.
- Rai, K.N., D.J. Andrews, and S.A. Rao. 1995. Registration of NCD₂ pearl millet germplasm. *Crop Sci*. 35:1237-1238.
- Rai, K.N., B.S. Talukdar, S.D. Singh, A.S. Rao, A.M. Rao and D.J. Andrews. 1994. Registration of ICMP 23 parental line of pearl millet. *Crop Sci*. 34:1430.
- Rai, K.N., K.A. Kumar, D.J. Andrews, A.S. Rao, A.G.B. Raj and J.R. Witcombe. 1990. Registration of ICTP 8203 pearl millet. *Crop Sci*. 30:959.
- Rai, K.N., D.J. Andrews, and Suresh Babu. 1984. Inbreeding depression in pearl millet composites. *Zeitschrift Fuer Pflanz*. 94:201-207.
- Reed, J.D., M.R. Tuinstra, B.A. Ramundo, and L.E. Claflin. 2002. Analysis of resistance to ergot in sorghum and potential alternate hosts. *Crop Sci*. 42:1135-1138.
- Reed, J.D., M.R. Tuinstra, N.W. McLaren, K.D. Kofoid, N.W. Ochanda, and L.E. Claflin. 2002. Analysis of combining ability for ergot resistance in sorghum. *Crop Sci*. 42:1818-1823.
- Rood, S.B., J.E. Witbeck, D.J. Major and F.R. Miller. 1992. Gibberellins and heterosis in sorghum. *Crop Sci*. 32:713-718.

Breeding

- Rooney, W.L. 2003. Registration of Tx2912 to Tx2920 sorghum germplasm. *Crop Sci.* 43: 442-443.
- Rooney, W.L. 2003. Registration of Tx2921 to Tx2928 sorghum germplasm. *Crop Sci.* 43: 443-444.
- Rooney, W.L., F.R. Miller, and L.W. Rooney. 2003. Registration of RTx437 sorghum parental Line. *Crop Sci.* 43: 445-446
- Rooney, W.L., F.R. Miller, and L.W. Rooney. 2002. Registration of RTx437 Sorghum Parental Line. *Crop Science* p. 445-446.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, L.E. Clark, F.R. Miller, A. Sotomayor-Ríos, A.J. Hamburger, P. Madera-Torres, A. Quiles-Belen, and C.A. Woodfin. 1997. Registration of fifty converted sorghums from the sorghum conversion program. *Crop Sci.* 37:1387-1398.
- Rosenow, D.T., J.A. Dahlberg, J.C. Stephens, F.R. Miller, D.K. Barnes, G.C. Peterson, J.W. Johnson, and K.F. Schertz. 1997. Registration of 63 converted sorghum germplasm lines from the sorghum conversion program. *Crop Sci.* 37:1399-1400.
- Ross, W.M. 1986. Improving plants for tolerance to iron deficiency and other mineral nutrition problems: breeding and genetic points of view. Third International Symposium on Iron Nutrition and Interaction in Plants. Lincoln, NE., June 1985. *J. Plant Nutr.* 9:309-333.
- Ross, W.M., J.W. Maranville, G.H. Hookstra, and K.D. Kofoid. 1985. Divergent mass selection for grain protein in sorghum. *Crop Sci.* 25:179-181.
- Schertz, K.F., L.E. Clark and D.T. Rosenow. 1990. Registration of A3Tx430 and A3Tx7000 sorghum genetic stocks. *Crop Sci.* 30:1163.
- Setimela, P., C.S. Manthe, L. Mazhani and A.B. Obilana. 1997. Release of three sorghum pure line varieties in Botswana. *S. Afr. J. Plant Soil.* 14:137-38.
- Siame, B.A., G. Ejeta and L.G. Butler. 1993. Role of tannins and pigments in the reaction of tan and red near-isogenic sorghum lines to leaf diseases. *Afric. Crop Sci. J.* 1:123-130.
- Sifuentes Barrera, J.A. and R.A. Frederiksen. 1994. Evaluation of sorghum hybrid mixtures for controlling sorghum leaf blight. *Plant Dis.* 78:499-503.
- Singh, S.D., P. Singh, D.J. Andrews, B.S. Talukdar and S.B. King. 1992. Reselection of a pearl millet cultivar utilizing residual variability for downy mildew reaction. *Plant Breeding* 109:54-59.
- Singh, S.D., P. Singh, K.N. Rai and D.J. Andrews. 1990. Registration of ICMA 841 and ICMB 841 pearl millet parental lines with A1 cytoplasmic-genic male sterility system. *Crop Sci.* 30:1378.
- Singh, P., K.N. Rai, J.R. Witcombe and D.J. Andrews. 1988. Population breeding methods in pearl millet improvement. *l'Agonomie Tropicale* 43:185-193.
- Singh, Pheru, Umair Singh, Bjorn O. Eggum, Kambham A. Kumar and David J. Andrews. 1987. Nutritional evaluation of high protein genotypes of pearl millet [*Pennisetum americanum* (L.) Leeke]. *J. Science Food Agriculture* 38:41-48.
- Singh, S.D., D.J. Andrews and K.N. Rai. 1987. Registration ICML 11 rust-resistant pearl millet germplasm. *Crop Sci.* 27:367-368.

Breeding

- Smith, R.H., S. Bhaskaran and F.R. Miller. 1986. Screening for drought tolerance in sorghum using cell culture. *In vitro* 21:541-545.
- Smith, R.H., S. Bhaskaran and F.R. Miller. Oct. 1985. Screening for drought tolerance in sorghum using cell culture. *In vitro* 21:541-545.
- Starr, J.L., R.J. Newton, and F.R. Miller. 1984. Presence of dhurrin in sorghum root tissue and the effect of pathogenesis on hydrogen cyanide potential. *Crop Sci.* 24:739-742.
- Subudhi, P.K., D.T. Rosenow, and H.T. Nguyen. 2000. Quantitative trait loci for the stay green trait in sorghum [*Sorghum bicolor* (L.) Moench]: consistency across genetic backgrounds and environments. *Theor. Appl. Genet.* 101:733-741.
- Tarpley, L., J.A. Dahlberg, D.M. Vietor and F.R. Miller. 1993. Batch anion exchange and quantification of ¹⁴C hexose and ¹⁴C sucrose. *Crop Sci.* 33:338-341.
- Teetes, G.L., R.M. Anderson and G.C. Peterson. 1994. Exploitation of sorghum nonpreference resistance to sorghum midge (Diptera:Cecidomyiidae) using mixed plantings of resistant and susceptible sorghum hybrids. *J. Econ. Entomol.* 87:826-831.
- Teetes, G.L., M.J. Scully and G.C. Peterson. 1992. Partial life tables for corn earworm (Lepidoptera:Noctuidae) on compact- and loose-panicle sorghum hybrids. *J. Econ. Entomol.* 84:1393-1401.
- Teetes, G.L., M.I. Becerra, and G.C. Peterson. 1986. Sorghum midge (*Diptera: Cecidomyiidae*) management with resistant sorghum and insecticide. *J. Econ. Entomol.* 79:1091-1095.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen and D.T. Rosenow. 1993. Genetics of nonsenescence and charcoal rot resistance in sorghum. *Theor. Appl. Genet.* 85::644-648
- Tenkouano, A., F.R. Miller, G.E. Hart, R.A. Frederiksen and R.L. Nicholson. 1992. Phytoalexin assay in juvenile sorghum: An aid to breeding for anthracnose resistance. *Crop Sci.* 33:243-248.
- Toure, A., K. Traore, A. Bengaly, J.F. Scheuring, D.T. Rosenow, and L.W. Rooney. 1998. The potential of local cultivars in sorghum improvement in Mali. *African Crop Science Journal*, Vol. 6(1):1-7.
- Trevathan, L.E., J.A. Cuarezma-Teran, and L. M. Gourley. 1985. Relationship of Plant Nematodes and Edaphic Factors in Colombian Grain Sorghum Production. *Nematropica* 15:145-153.
- Tuinstra, M.R., G.L. Liang, C. Hicks, K.D. Kofoid, and R.L. Vanderlip. 2001. Registration of KS 115 sorghum. *Crop Science* 41: 932-933.
- Tuinstra, M., G. Ejeta, and P. Goldsbrough. 1998. Evaluation of near-isogenic sorghum lines contrasting for QTL markers associated with drought tolerance. *Crop Sci.* 38:835-842.
- Tuinstra, M., E. Grote, P. Goldsbrough, and G. Ejeta. 1997. Genetic Analysis of Post-flowering Drought Tolerance and Components of Grain Development in Sorghum. *Mol. Breeding.* 3:439-448.
- Tuinstra, M., G. Ejeta, and P. Goldsbrough. 1997. Heterogenous Inbred Family (HIF) Analysis: A Method for Developing Near-Isogenic Lines that Differ at Quantitative Trait Loci. *Theor. Appl. Genet.* 95:1005-1011.

Breeding

- VanScoyoc, S., G. Ejeta and J.D. Axtell. 1988. Kernel characteristics and protein fraction changes during seed development of high lysine and normal sorghums. *Cereal Chem.* 65(2):75-80.
- Vietor, D.M., F.R. Miller and H.T. Cralle. 1990. Nonstructural carbohydrates in axillary branches and main stem of senescent and nonsenescent sorghum types. *Crop Sci.* 30:97-100.
- Vietor, D.M., F.R. Miller and H.T. Cralle. 1990. Biomass components of semidwarf Sorghum: II. Non-structural/Carbohydrates in residues of a senescent and nonsenescent hybrid. *Crop Sci.* 30:97-100
- Vietor, D.M., H.T. Cralle, and F.R. Miller. 1989. Biomass Components of Semidwarf.I. ¹⁴C-partitioning in senescent and nonsenescent hybrids. *Crop Sci.* 29:1049-1053.
- Vietor, D.M., H.T. Cralle, and F.R. Miller. 1989. Partitioning of ¹⁴C-photosynthate and biomass in relation to senescence characteristics of sorghum. *Crop Sci.* 29:1049-1053.
- Waquil, J.M., G.L. Teetes, and G.C. Peterson. 1986. Comparison of immature sorghum midge (diptera: Cecidomyiidae) development on resistant and susceptible sorghums. *J. Econ. Entomol.* 79:833-837.
- Waquil, J.M., G.L. Teetes, and G.C. Peterson. 1986. Adult sorghum midge (*Diptera: Cecidomyiidae*) nonpreference for a resistant hybrid sorghum. *J. Econ. Entomol.* 79:455-458.
- Waquil, J.M., G.L. Teetes, and G.C. Peterson. 1986. Sorghum midge (*Diptera: Cecidomyiidae*) adult ovipositional behavior on resistant and susceptible sorghum hybrids. *J. Econ. Entomol.* 79:530-532.
- Waquil, J.M., G.L. Teetes and G.C. Peterson. 1986. Comparison of immature sorghum midge (*Diptera: Cecidomyiidae*) development of resistant and susceptible sorghum hybrids. *J. Econ. Entomol.* 79:833-837.
- Walulu, R.S., D.T. Rosenow, D.B. Wester and H.T. Nguyen. 1994. Inheritance of the stay green trait in Sorghum. *Crop Sci.* 34:970-972.
- Wanous, M.K., F.R. Miller and D.T. Rosenow. 1991. Evaluation of visual rating scales for green leaf retention in sorghum. *Crop Sci.* 31:1691-1694.
- Williams, E.P., W.M. Ross, R.B. Clark, G.M. Herron, and M.D. Witt. 1986. Heritability of iron-deficiency chlorosis and its effect on agronomic traits in a sorghum population. *J. Plant Nutr.* 9:423-433.
- Wiseman, B.R., H.N. Pitre, L.M. Gourley and S.L. Fales. 1984. Differential growth responses of fall armyworm larvae on developing sorghum seeds incorporated into a Meridic diet. *Fla. Entomol.* 67:357-367.
- Xu, W., D.T. Rosenow, and H.T. Nguyen. 2000. Stay green trait in grain sorghum: relationship between visual rating and leaf chlorophyll concentration. *Plant Breeding* 119:365-367.
- Yang, W.J., P.J. Rich, J.D. Axtell, K.V. Wood, C.C. Bonham, G. Ejeta, M.V. Mickelbart and David Rhodes. 2003. Genotypic variation for glycinebetaine in sorghum. *Crop Sci.* 43:162-169.
- Yang, Y-W, R.J. Newton and F.R. Miller. 1989. Salinity Tolerance in *Sorghum*: II. Cell culture responses in *S. bicolor* and *S. halepense*. *Crop Sci.* 30:781-785.
- Yang, Y-W., F.R. Miller and R.J. Newton. 1989. Salinity tolerance in *Sorghum*: I. Whole plant responses in *S. bicolor* and *S. Halepense*. *Crop Sci.* 30:775-781.

Zanta, C.A., X. Yang, J.D. Axtell and J.L. Bennetzen. 1994. The candystripe locus, *y-cs*, determines mutable pigmentation of the sorghum leaf, flower, and pericarp. *J. Hered.* 85:23-29.

Zavala-Garcia, F., P.J. Bramel-Cox, J.D. Eastin, M.D. Witt and D.J. Andrews. 1992. Increasing efficiency of crop selection for unpredictable environments. *Crop Sci.* 32:51-57.

Zavala-Garcia, F., P.J. Bramel-Cox, J.D. Eastin. 1992. Potential gain from selection for yield stability in two grain sorghum populations. *Theor. Appl. Genet.* 85:112-129.

Book, Book Chapters and Proceedings

Ahlich, J.L., R.R. Duncan, G. Ejeta, P.R. Hill, V.C. Baligar, R.J. Wright and W.W. Hanna. 1991. Pearl millet and sorghum tolerance to aluminum in acid soil. p. 947-951. *In* R.J. Wright et al. (eds). *Plant-soil interactions at low pH*. Kluwer Academic Publishers, Netherlands.

Ahmed Mohamed, Abdelaziz. 1989. Plant propagation administration. p. 24-28. *In* Gebisa Ejeta (ed.) *Proceedings of the Hybrid Sorghum Seed Workshop*, Nov. 5-8, 1983, Wad Medani, Sudan.

Andrews, D.J., J.F. Rajewski and K.N. Rai. 2002. New cytoplasmic male sterility systems for hybrids in pearl millet. p. 124-127. *In* Proc. of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998, Niamey, Niger. INTSORMIL University of Nebraska, Lincoln, NE. Publ. No. 02-02.

Andrews, D.J., G. Ejeta, M. Gilbert, P. Goswamy, Anand Kumar, A.B. Maunder, K. Porter, K.N. Rai, J.F. Rajewski, B.V. Reddy, W. Stegmeier, and B.S. Talukdar. 1997. Breeding Hybrid Parents. p.173-187. *In* D.T. Rosenow et al (eds). *Proc. of International Conference on Genetic Improvement of Sorghum and Millet*, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.

Andrews, D.J., J.F. Rajewski and K.A. Kumar. 1993. Pearl millet: A new feed grain crop. p. 198-208. *In* J. Janick and J. Simon (eds.) *New Crops*. John Wiley & Sons, New York.

Andrews, D.J. 1993. Principles for breeding small millets. p. 411-423. *In* K.W. Riley et al. (eds) *Advances in Small Millets*. Oxford and IBH Publishing, New Delhi.

Andrews, D.J., B. Kiula and J.F. Rajewski. 1993. The use of protogyny to make hybrids in pearl millet. p. 208-210. *In* J. Janick and J. Simon (eds.) *New Crops*. John Wiley & Sons, New York.

Andrews, D.J. 1986. Current results and prospects in sorghum and pearl millet breeding. p. 330-335. *In* T.J. Davis (ed.) *Sixth Agriculture Sector Symposium: Development of Rainfed Agriculture Under Arid and Semi-arid Conditions*. World Bank, Washington, DC.

Andrews, D.J. and W.M. Stegmeier. 1986. Pearl millet breeding in INTSORMIL. p. 61-71, *In* Sorghum and Millet Workshop, INRAN/INTSORMIL/NCRP, Niamey, Niger, Oct. 14-17, 1985, Purdue University.

Andrews, D.J., L.K. Mughogho and S. Ball. 1984. Sorghum and pearl millet production in Africa—problems and prospects with new varieties. p. 85-90. *In* D.L. Hawksworth (ed.) *Proc. CAB/Tanzania National Scientific Research Council Conference on Advancing Agricultural Production in Africa*, Arusha, Tanzania, Feb. 12-18. CAB Farnham Royal, UK.

Axtell, J.D., I. Kapran, Y. Ibrahim, G. Ejeta and D. Andrews. 1999. Heterosis in sorghum and pearl millet. Coors, J. (ed.) *The Genetics and Exploitation of Heterosis in Crops*. p. 375-386. CIMMYT Press, Mexico City, Mexico.

- Axtell, J.D., P. Peters and U. Zehr. 1993. Mechanisms of drought resistance in sorghum. p. 157-163. American Seed Trade Association Forty-Seventh Annual Corn and Sorghum Industry Research Conference. Chicago, IL. December 8-10, 1993.
- Axtell, J.D. and G. Ejeta. 1991. Improving sorghum grain protein quality by breeding. p. 117-125. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Axtell, J.D. and G. Ejeta. 1986. Problems and prospects in sorghum nutrition and utilization. p. 297-323. *In* B. Gebrekidan (ed.) Sorghum and Millet Improvement in Eastern Africa. Soroti, Uganda. July 22-26, 1985.
- Baashar, Mustafa M. 1989. Private farming interest in hybrid sorghum. p. 97-97. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Banerjee, S.K. 1989. Seed quality control and National Seed Certification in the Sudan. p. 29-32. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Barwale, B.R. 2002. Hybrid seed experiences in developing countries. p. 33-42. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Barwale, B.R. 1989. Development and perspectives of Hybrid Sorghum Seed Industry in India. p. 57-65. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Bramel-Cox, P.J., G.A. Maciel, F. Zavala-Garcia, M. Chisi, E.A. Welzein, and E.O. Monyo. 1997. Breeding for diverse target environments. p. 224-240. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Bramel-Cox, P.J., K. Anand Kumar, J.H. Hancock and D.J. Andrews. 1995. Sorghum and millets for forage and feed. p. 325-364. *In* D.A.V. Dendy (ed.) Sorghum and the Millets: Chemistry and Technology. American Assoc. of Cereal Chem. St. Paul, MN.
- Breese, W.A., C.T. Hash, K.M. Devos and C.J. Howarth. 2002. Pearl millet genomics and breeding for resistance to downy mildew. p. 243-246. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Clark, R.B. y L.M. Gourley. 1990. Evaluacion de Elementos Minerales en el Sorgo Cultivado en Suelos Acidos Tropicales. p. 263-284. *In* J.G. Salinas y L.M. Gourley (Eds.) Sorgo para Suelos Acidos. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia.
- Clark, R.B. and L.M. Gourley. 1987. Evaluation of Mineral Elements in Sorghum Grown on Acid Tropical Soils. p. 251-270. *In* L.M. Gourley and J.G. Salinas (Eds.) Sorghum for Acid Soils. International Center for Tropical Agriculture (CIAT), Cali, Colombia.
- Collins, S.D., R.A. Frederiksen, G.N. Odvody, D.T. Rosenow and F.R. Miller. 1993. Disease resistant converted sorghum lines. p. 151. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX, Feb. 28 - March 2.

- Compton, W.D., M. Thomas-Compton and D.J. Andrews. 1987. Practical recurrent selection in cross-pollinated crops. p. 107-119. *In* J.R. Witcombe and S.R. Seckerman (eds.) International Pearl Millet Workshop. ICRISAT/INTSORMIL, Patancheru, India.
- Coulibaly, S.B., G.C. Peterson, D.T. Rosenow, H.T. Nguyen, W. Xu, V. Chamarak, M.S. Pathan, and P.K. Subudhi. 2002. QTL Analysis of Grain Yield in Sorghum Under Stress and Non-Stress Environments. *In*: Proceedings of INTSORMIL PI Conference, Nov. 18-20, 2002, Addis Ababa, Ethiopia
- Coulibaly, S.B., G.C. Peterson, D.T. Rosenow, H.T. Nguyen, W. Xu, V. Chamarek, M.S. Pathan, and P.K. Subudhi. 2003. Expression of grain yield QTLs in sorghum under stress and non-stress environments. pp. 75-84. *In*: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Dahlberg, J.A., D.M. Vietor and F.R. Miller. 1991. Assimilate partitioning in reduced progressive senescent sorghums at different growth stages. p. 29. Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- de Franca, J.G.E., L.W. Rooney, R.D. Waniska and F.R. Miller. 1991. Malting characteristics in sorghum genotypes. p. 110. Proc. American Assoc. of Cereal Chemist Conf.
- Djibo, M. Naroua and M. Jean Jacques Schalbroke. 2002. Seed production on irrigated perimeters. p. 161-170. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Dogo, Laouali and Oumarou Issa. 2002. Experience of NAD-1 seed production at Djirataoua Irrigated Perimeter, Maradi Region of Niger. p. 88-90. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Doumbia, M.D., A. Sidibe, M.A. Diarra, A. Bagauoko, A. Toure, G.C. Peterson D.T. Rosenow, L.R. Hossner, and F.M. Hons. 2002. Adaptation of sorghum genotypes to acid soil conditions. *In*: Proceedings of INTSORMIL PI Conference, Nov. 18-20, 2002, Addis Ababa, Ethiopia
- Duncan, R.R., P.J. Bramel-Cox, and F.R. Miller. 1991. Contributions of introduced sorghum germplasm to hybrid development in the USA. Pages 69-102. *In* Use of Plant Introductions in Cultivar Development (Part 1) Shands, H.L. and L.E. Wiesner (eds). Crop Sci. Special Publication Number 17:Chapter 5.
- Eberhart, Steve A. 1994. Plant genetic resources. p. 51-61. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Ejeta, G, L.G. Butler, D.E. Hess, T. Obilana, and B.V.S. Reddy. 1997. Breeding for Striga Resistance in Sorghum. Pages 504-516. *In* Rosenow et al. (eds) Proc. of International Conference on Genetic Improvement of Sorghum and Pearl Millet, 22-27 September, Lubbock, Texas. Publ. No. 97-5
- Ejeta, G. and J.D. Axtell. 1991. Development of hard endosperm high lysine sorghums. p. 126-141. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.

Breeding

- Ejeta, G., J.D. Axtell, L.G. Butler and A.W. Kirleis. 1989. Breeding sorghum [*Sorghum bicolor* (L.) Moench] for improved nutritional, food, and feed quality parameters. p. 187-207. *In*: Proc. Grain Sorghum Research and Utilization Conference, Lubbock, TX.
- Ejeta, G. 1989. Current status of sorghum improvement research and development in the Sudan. p. 11-18. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Ejeta, G. 1988. Breeding sorghum hybrids for irrigated and rainfed conditions in the Sudan. p. 121-130. *In* Food Grain Production in Semi-Arid Africa. J.M. Menyonga, T. Bezuneh, A. Youdeowei (eds.). Fourth Dimension Printing Services. Essex, United Kingdom.
- Ejeta, G. 1987. Establishing Seed Industry in a Developing Country: Experience with Hybrid Sorghum in Sudan. p. 77-85. *In*: L.R. House (ed.) Proc. Eastern and Southern Africa Sorghum and Millet Seed Workshop. Nairobi, Kenya. Sept. 11-20, 1987.
- Ejeta, G. 1986. Overcoming problems encountered in production, distribution and adoption of hybrid sorghum in the Sudan. p. 56-64. *In*. V. Guiragossian et al. (eds.) La Produccion La Semilla De Sorgo En America Latina. El Batan, Mexico Oct. 13-17, 1985.
- El Beshir A., Ahmed and Wageeh Andraous. 1989. Sorghum seed production in the Gezira scheme. p. 33-34. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Elgasim Ahmed, Ahmed Abu. 1989. National Seed Administration: Its role, organization and prospects. p. 19-23. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Engell, K., B. orgensen, J.D. Moller, E. De Neergaard and E. Wester. 2002. Developmental Stages of Sorghum caryopses with emphasis on the aleurone transfer cell and placental sac. p. 255-258. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Faye, Alphonse and Pierre Antoine. 2002. The experience of Winrock International with seed multiplication in West Africa through: the On-Farm Seed Project (OFSP, 1987-1992 and the On-Farm Productivity Enhancement Program (OFPEP), 1992-1998. p. 62-64. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Frederiksen, R.A. and D.T. Rosenow. 1986. Breeding for disease resistance. p. 65-67. Compendium of Sorghum Diseases, APS Series, Ed. R.A. Frederiksen. American Phytopathological Society, St. Paul, Minnesota.
- Gomez, F. and J. Chanterau. 1997. Breeding photoperiod sensitive sorghums. p. 66-70. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Gomez, F. and D.H. Meckenstock. 1990. Culture and improvement of sorghum in Honduras (In Spanish). p. 49-61. *In* C.L. Paul (ed.) Improvement and use of white sorghum. Proc. VII Annual Commission of Latin American Sorghum Researchers (CLAIS), El Batan, Mexico. April 24-27, 1990. CIMMYT, Mexico.

Breeding

- Gourley, L.M., C.E. Watson, R.E. Schaffert, and W.A. Payne. 1997. Genetic resistance to soil chemical toxicities and deficiencies. 1997. p. 461-480. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Gourley, L.M. 1994. Success in acid/low fertility soils in Colombia. *In* Proc. Workshop on Adaptation of Plants to Soil Stress. Lincoln, NE. INTSORMIL Pub. 94-2. p. 221-233.
- Gourley, L.M. 1991. Breeding sorghum for stress environments of the tropics. p. 17-22. *In* F. Gaitan Gaitan (Ed.) Sorgo Para El Futuro. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. (Span.)
- Gourley, L.M. 1990. Busqueda y Uso del Germoplasma Exotico de Sorgo Tolerante al Aluminio. p. 309-326. *In* J.G. Salinas y L.M. Gourley (Eds.) Sorgo para Suelos Acidos. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia.
- Gourley, L.M., S.A. Rogers, C. Ruiz-Gomez and R.B. Clark. 1990. Genetic aspects of aluminum tolerance in sorghum. p. 203-208. *In* N. El Bassam (Ed.). Genetic Aspects of Plant Mineral Nutrition. Martinus Nijhoff Press, Dordrecht, The Netherlands.
- Gourley, L.M. 1988. Breeding Sorghum for Acid Soils of the Humid Tropics. p. 261-273. *In* M. Latham (Ed.) Africaland - Land Development and Management of Acid Soils in Africa II. International Board for Soils Research and Management (IBSRAM), Bangkok, Thailand.
- Gourley, L.M. 1987. Finding and utilizing exotic aluminum-tolerant sorghum germplasm. p. 297-309. *In* L.M. Gourley and J.G. Salinas (Eds.) Sorghum for Acid Soils. International Center for Tropical Agriculture (CIAT), Cali, Colombia.
- Gourley, L.M. 1987. Identifying Aluminum Tolerance in Sorghum Genotypes Grown on Tropical Acid Soils. p. 89-98. *In* W.H. Gabelman and B.C. Loughman (Eds.). Genetic Aspects of Plant Mineral Nutrition. Plant and Soil. Wageningen, The Netherlands.
- Gourley, L.M. 1985. A comparative perspective on sorghum and millet-based farming systems — Andean region. p. 107-114. *In* C.L. Paul and B.R. DeWalt (Eds.) Sorghum Farming Systems in Latin America. International Center for Maize and Wheat Improvement (CIMMYT), El Batan, Mexico. (Span.).
- Gouveia, S.J., F.R. Miller and D.T. Rosenow. 1993. The effect of different rates of glyphosate on development of charcoal rot (*Macrophomina phaseolina*) on some sorghum cultivars. p. 35. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX, Feb. 28 - March 2.
- Govila, O.P., K.N. Rai, K.R. Chopra, D.J. Andrews, and W.M. Stegmeier. 1997. Breeding pearl millet hybrids for developing countries - Indian experience. Pages 97-118 in Rosenow, et al (eds). Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, D.L.. Sept. 22-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publication 97-5.
- Grenier, C., P. Rich, A. Mohamed, A. Ellicott, C. Shaner, and G. Ejeta. 2001. Independent inheritance of *lgs* and *IR* genes in sorghum. p. 220-224. *In*: Fer et al. (eds.) Seventh International Parasitic Weed Symposium. 5-8 June, Nantes, France.
- Hash, C.T. and J.R. Witcombe. 2002. Gene management and breeding for downy mildew resistance. p. 27-36. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.

Breeding

- Hash, C.T., J.R. Witcombe, R.P Thakur, S.K. Bhatnagar, S.D. Singh, and J.P. Wilson. 1997. Breeding for pearl millet disease resistance. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Henzell, R.G., G.C. Peterson, G.L. Teetes, B.A. Franzmann, H.C. Sharma, O. Youm, A. Ratnadass, A.Toure, J.Raab, and O. Ajai. 1997. Breeding for Resistance to Panicle Pests of Sorghum and Pearl Millet. p. 255-280. *In* Rosenow et al. (eds). Proc. of International Conference on the Genetic Improvement of Sorghum and Pearl Millet, Lubbock, TX, Sep. 23-27, 1996. INTSORMIL, University of Nebraska, Lincoln, NE. Publication 97-5.
- House, L.R., B. N. Verma, G. Ejeta, B. S. Rana, I. Kapran, A. B. Obilana, and B.V.S. Reddy. 1997. Developing Countries Breeding and Potential of Hybrid Sorghum. p 84-96. *In* Rosenow et al. (eds). Proc. International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September, Lubbock, Texas. Publ. No. 97-5.
- House, Leland R. 1989. Comments on the seed industry in India. p. 54-56. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Howarth, Catherin J., Eva Weltzien Rattunde, Francis R. Bidinger, and David Harris. 1997. Seedling survival of abiotic stress: Sorghum and pearl millet. p. 379-399. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Johnson, J.W., W.D. Stegmeier, D.J. Andrews, D.T. Rosenow, R.G. Henzell, and R.L. Monk. 1997. P. 481-489 in Rosenow, et al (eds). Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, D.L.. Sept. 23-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publication 97-5.
- Joshi, M.S. 1989. Role of National Seeds Corporation in the development of seed industry in India. p. 66-70. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Kapran, Issoufou, Moussa Adamou, Gebisa Ejeta, and John D. Axtell. 2002. Review of sorghum hybrid research in Niger. p. 83-77. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Kapran, I., D.S. Murty and L.R. House. 2002. Training for a future seed industry in Niger. p. 181-183. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Khizzah, B.W., R. Newton, F.R. Miller and D.T. Rosenow. 1991. Post flowering osmotic adjustment and dehydration tolerance response of five sorghum (*Sorghum bicolor* (L.) Moench) cultivars to induced water stress. p. 27. Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- Kotarski, S.F., K.K. Thurn, A. Toure, F.R. Miller, G.L. Thomas and R.D. Waniska. 1991. Grain sorghum digestion by ruminal microflora. p. 107. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- Kumar, K. Anand, B. Ouendeba, S. Boureima, S.C. Gupta, and S. Ouattara. 2002. Current status of hybrid pearl millet in West Africa. p. 105-123. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet

Breeding

- Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Lenné, J.M. and R. Ortiz. 2002. Agrobiodiversity in pest management. p. 309-320. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Linn, Yann-Rong, K.F. Schertz, D.T. Rosenow, R.A. Wing and A.H. Paterson. 1994. DNA markers for height and maturity genes in sorghum. p. 47. *In*: Proc. "Plant Genome II" International Conference. Jan. 24-27, 1994. San Diego, CA.
- Machado, S., E.D. Bynum, Jr., T.L. Archer, R.J. Lascano, J. Bordovsky, K. Bronson, D.M. Nesmith, E. Segarra, D.T. Rosenow, and G.C. Peterson. 2002. Spatial and temporal variability of sorghum and corn yield: interactions of biotic and abiotic factors. 3:389-406. *In* Proc. of the 5th Int. Conv. on Precision Agriculture, Minneapolis, MN, July 16-19, 2000.
- Maunder, A.B. 2002. Sorghum worldwide. p. 11-18. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Maunder, A. Bruce. 1997. Role of Private Sector. p. 605-612. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Maunder, A. Bruce. 1989. Development and perspectives of the Hybrid Sorghum Seed Industry in the Americas. p. 39-48. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Mahalakshmi, V., E.S. Monyo, W. Payne, S. Quattara, and F.R. Bidinger. 1997. Breeding pearl millet for drought tolerance. p. 443-454. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Mahmoud, M.A. 1989. Sorghum research and development in the Sudan before 1975. p. 7-10. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Mahmoud, M.A. 1989. Seed production activities and plans of the Mechanized Farming Corporation. p. 35-38. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Maunder, A. Bruce. 2002. Why Hybrids? p. 21-27. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Maunder, A. Bruce. 2002. Creation of a seed industry: role of the private industry. p. 128-135. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Maunder, A. Bruce. 2002. Seed conditioning and commercialization. p. 155-160. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.

Breeding

- Meckenstock, D.H. 1991. The power of the CRSPs. p. 104-106. *In* T. Schilling and D. Stoner (ed.) International Sorghum and Millet CRSP Conference. Proc. Corpus Christi, TX. July 8-12, 1991. INTSORMIL Pub. 92-1.
- Meckenstock, D.H., D.R. Coddington, J.C. Rosas, H. vanEs, M.S. Chinnan and M.M. Murillo. 1991. Honduras concept paper: Towards a sustainable agriculture in southern Honduras. p. 107-119. *In* T. Schilling and D. Stoner (ed.) International Sorghum and Millet CRSP Conference. Proc. Corpus Christi, TX. July 8-12, 1991. INTSORMIL Pub. 92-1.
- Mickelbart, M., G. Ejeta, D. Rhodes, R. Jolly, and P. Goldsbrough. 1999. Assessing the contribution of glycinebetaine to environmental stress tolerance in sorghum. p. 86-89. *In* Jean-Marcel Ribaut and P. Poland (eds.) Proceedings of Workshop on Molecular Approaches for the Genetic Improvement of Cereals for Stable Production in Water Limited Environments, 21-25 June 1999, CIMMYT, El Batan, Mexico.
- Miller F.R. 1997. Breeding photoperiod insensitive sorghums for adaptation and yield. p. 59-65. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Miller, F.R. 1992. Improvements in Sorghum During the Last 25 Years. Proc. Second Australian Sorghum Conference, Gutton, Queensland, Australia. Feb. 4-6. p. 8.1.
- Miller, F.R. 1991. A Review of Utilization of Sorghum. Proc. Second Australian Sorghum Conference. Gutton, Queensland, Australia. Feb. 4-6. p. R21
- Monyo, E.S., M. Hassen, J.D. Axtell and G. Ejeta. 1992. Potential methods for improving the nutritive value of high-tannin sorghums in Tanzania. *In*: Gomez et al. (eds) p. 61-67. Utilization of Sorghum and Millets. ICRISAT, Hyderabad, India.
- Moran, J.L., W.L. Rooney, G.N. Odvody, and R.A. Frederiksen. 2003. Differences in ergot vulnerability among sorghum genotypes and the relationship between stigma receptivity and ergot vulnerability. pp. 113-120. *In* J.F. Leslie (ed.), Sorghum and Millets Diseases. Iowa State Press, Ames, IA.
- Morgan, P.W., C-J He, K.L. Childs, K.R. Foster, J.I. Sawquis, M.C. Drew, W.R. Jordan, J.E. Mullet, J-L Lu, J. Cairney and F.R. Miller. 1993. Hormones as components of plant regulatory systems: examples from tropical grasses. p. 18. Proc. Plant Growth Regulator Society of America. August 6-9, St. Louis, MO.
- Motanya, Philip. 1989. Seed production and marketing in Eastern Africa. p. 49-53. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Muchow, R.C., M. Cooper, F.R. Bidinger, G.L. Hammer, A.K. Borrell, and S.C. Chapman. 1997. Targeting sorghum improvement in drought-prone environments: Approaches and progress. p. 429-442. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Mufti, M.A. 1989. The role of seed businesses in increasing productivity. p. 86-88. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Mujeeb-Kazi, Abdul. 1994. Breeding methods in wheat for improved stress tolerance: Emphasis on use of Triticeae relatives. p. 174-181. *In* Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.

Breeding

- Murty, D.S. 2002. Hybrid sorghum in West Africa. p. 91-93. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Mustafa, Ali Elnur. 1989. Farmer education on use of hybrid sorghum seed associated inputs in the Gezira. p. 89-91. *In* Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.
- Ndjeunga, Jupiter and Aboubakar Sidi. 2002. Pearl millet seed systems in Niger. p. 67-82. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Nguyen, Henry T. and Darrell T. Rosenow. 1993. Identification of molecular genetic markers linked to drought resistance traits in grain sorghum. p. 127-132. *In* Proc. 18th Biennial Grain Sorghum Research and Utilization Conference, Feb. 28-March 2, 1993. Lubbock, TX.
- Obando, R., G. Peterson, and D. Rosenow. 2002. Evaluation of lines for resistance to sorghum midge [*Stenodiplosis sorghicola* (Coq.)] in Nicaragua. *In*: Proceedings of INTSORMIL PI Conference, Nov. 18-20, 2002, Addis Ababa, Ethiopia
- Odvody, G.N., D.T. Rosenow, and M. Black. 2003. First report of *Ramulispora sorghicola* in the United States causing oval leaf spot on johnsongrass and sorghum in Texas. pp. 49-57. *In*: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Ombakho, G.A. and F.R. Miller. 1991. Comparative performance of single, three-way and double-cross sorghum hybrids using A1 and A2 cytoplasm. p. 30. Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- Onken, A.B., M.J. Lavelle and G.C. Peterson. 1985. Improving nutrient use efficiency in sorghums. p. 15-27. *In* Report of Fortieth Annual Corn and Sorghum Research Conference of the American Seed Trade Association. Chicago, Il. December 11-12, 1985.
- Palma, A., D.H. Meckenstock, F. Gomez and L. Fernandez. 1989. Evaluation of thirty-six enhanced maicillo cultivars in Honduras (In Spanish). p. 1213-1233. *In* Proc. 35th annual PCCMCA, Vol. 4. San Pedro Sula, Honduras. April 3-7, 1991. Ministry of Natural Resources, Tegucigalpa, Honduras.
- Pammi, Sujata, K.F. Schertz, F.R. Miller and J.E. Mullet. 1993. Optimal conditions for generating PCR amplified RAPD markers for sorghum genome analysis. p. 33. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX, Feb. 28 - March 2.
- Payne, W.A., M. Bolota, and D. Rosenow. 2003. Sorghum diversity for germination and coleoptile elongation under cool conditions. p.14. *In*: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Pedersen, J.F., H.F. Kaepler, D.J. Andrews and R.D. Lee. 1998. Sorghum. *In* S.S. Banga and S.K. Banga (eds) Hybrid Cultivar Development. Narosa Publishing House, New Delhi, India. p. 344-356.
- Peterson, G.C., D.T. Rosenow, and H.T. Nguyen. 1999. Breeding and marker-assisted selection-overcoming bugs and thirst. p. 25-30. *In* Proc. of 21st Biennial Grain Sorghum Research and Utilization Conference, Feb. 21-23, 1999, Tucson, AZ.

Breeding

- Peterson, G.C. 1997. The search for new sorghum cultivars and hybrids: Phase 2 - Development and evaluation of resistance sources and inbred lines. *In Proc. of the 20th Biennial Grain Sorghum Research and Utilization Conference, New Orleans, LA., Feb. 16-19, 1997.* p. 33-37.
- Peterson, G. C., B. V. S. Reddy, O. Youm, G. L. Teetes, and L. Lambright, 1997. Breeding for resistance to foliar- and stem-feeding insects of sorghum and pearl millet. p. 281-302. *In Rosenow et al (eds). Proc.of International Conference on Genetic Improvement of Sorghum and Pearl Millet. 22-27 September 1996. Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.*
- Peterson, G.C., D.T. Rosenow, L.E. Clark, A.J. Hamburger, J.A. Dahlberg., and A. Sotomayor-Rios. 1995. Update on the sorghum conversion program. p. 43-45. *In Proc. 19th Biennial Grain Sorghum and Research and Utilization Conference, March 5-7, 1995. Lubbock, TX. 171. p.*
- Peterson, G.C. 1985. Development and evaluation of new material. p. 65-81. *In Proc. La Produccion de la Semilla de Sorgo en America Latina, CIMMYT, El Batan, D.F., Mexico, October 14-17, 1985.*
- Peterson, G.C. 1984. Breeding for midge and greenbug resistance in the USA. p. 361-370. *In Proc. International Sorghum Entomology Workshop, Texas A&M University, College Station, TX. July 15-21, 1984.*
- Peterson, G.C. and G.L. Teetes. 1983. Technology of Breeding for Insect Resistance. p. 256-274. *In Proc. Sorghum Breeding Workshop for Latin America, CIMMYT, El Batan, Mexico, April 10-16, 1983.*
- Potts, Howard C. 1989. Approaches to effective marketing and policy considerations to encourage a healthy seed industry. p. 71-85. *In Gebisa Ejeta (ed.) Proceedings of the Hybrid Sorghum Seed Workshop, Nov. 5-8, 1983, Wad Medani, Sudan.*
- Rai, K.N., K. Anand Kumar, D.J. Andrews, S.C. Gupta and B. Ouendeba. 1997. Breeding pearl millet for grain yield and stability. P. 481- 489 in Rosenow, et al (eds). *Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, D.L.. Sept. 22-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publication 97-5.*
- Rattunde, H.F.W., E. Weltzien R., P.J. Bramel-Cox, K. Kofoid, C.T. Hash, W. Schipprack, J.W. Stenhouse and T. Presterl. 1997. Population improvement of pearl millet and sorghum: Current research, impact and issues for implementation. p. 188-212. *In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.*
- Rooney, W.L., S.D. Collins, R.R. Klein, P.J. Mehta, R.A. Frederiksen and R. Rodriguez-Herrera. 2003. Breeding sorghum for resistance to anthracnose, grain mold, downy mildew and head smuts. pp. 273-280. *In J.F. Leslie (ed.), Sorghum and Millets Diseases. Iowa State Press, Ames, IA.*
- Rooney, W.L., S.D. Collns, R.R. Klein, P.J. Mehta, R.A. Frederiksen and R. Rodriguez-Herrera. 2002. Breeding sorghum for resistance to anthracnose, grain mold, downy mildew and head smuts. p. 273-280. *In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.*
- Rosenow, D.T., N. Teme, C.A. Woodfin, G.N. Odvody, and G.C. Peterson. 2003. Relationship of stay-green with charcoal rot and lodging in sorghum. Pp.475-476. *In Proc. of Global 2000: Sorghum and Pearl Millet Diseases III. Guanajuato, Mexico, Sep. 23-30, 2000. Iowa State Press, Ames, IA.*

Breeding

- Rosenow, D. T., N. Teme, G.C. Peterson, C.A. Woodfin, and G.N. Odvody, 2001. Association of Stay Green with Lodging and Charcoal Rot. p. 91-92 in Proceedings of the 22nd Biennial Grain Sorghum Research and Utilization Conference. February 18-20, 2001, Nashville, TN.
- Rosenow, D.T., and J.A. Dahlberg. 2000. Collection, Conversion, and Utilization of Sorghum. *In* C. Wayne Smith and Richard A. Frederiksen (Eds.). Sorghum: Evolution, History, Production and Technology, John Wiley and Sons, New York, N.Y. Pp. 309-328.
- Rosenow, D.T. 2000. Genetic disorders. p. 59-60. *In*: Compendium of Sorghum Diseases, Second Edition. APS Press. Ed. R.A. Frederiksen and G.N. Odvody. The American Phytopathological Society, St. Paul, Minnesota. 78 p.
- Rosenow, D. T. , G. Ejeta, L.E. Clark, M. I. Gilbert, R. G. Henzell, A. K. Borrell, and R.E. Muchow. 1997. Breeding for pre-and post-flowering drought p. 400-411 *In* Rosenow et al. (eds). Proc. International Conference on Genetic Improvement of Sorghum and Millet, 22-27 September, Lubbock, Texas. Pub. No. 97-5.
- Rosenow, D.T., and L.E. Clark. 1995. Drought and lodging resistance for a quality sorghum crop. p. 82-97. *In* Proc. Fiftieth Annual Corn ND Sorghum Industry Research Conference, Dec. 6-7, 1995. Chicago, IL.
- Rosenow, D.T., L.W. Rooney, A.B. Maunder and M.L. Gilbert. 1995. Breeding grain sorghum with improved food quality. p. 41-42. Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference. National Grain Sorghum Producers Association, Lubbock, TX, March 5-7, 1995..
- Rosenow, D.T. 1994. Evaluation for drought and disease resistance in sorghum for use in molecular marker-assisted selection. p. 27-31. *In*: Proc. of Conference Use of Molecular Markers in Sorghum and Pearl Millet Breeding for Developing Countries. March 29-April 1, 1993, Norwich, U.K.
- Rajewski, J.F. and D.J. Andrews. 1995. Grain pearl millet performance and adaptability in six years of regional tests. p. 14-17. *In* Teare, I.D. (Ed.) Proc. 1st Natl. Grain Pearl Millet Symposium, Univ. of Georgia, Tifton, GA.
- Rodriguez-Ballesteros, Oscar R., A.S.B. Mansuetas, R.A. Frederiksen, G.N. Odvody, R.D. Waniska, and D.T.Rosenow. 2002. pp 269-272. *In*: Sorghum and millets diseases, edited by John F. Leslie. Based on contributions to the Third Global Conference on Sorghum and Millets Diseases in Guanajuato, Mexico, September 2000. Iowa State Press, Ames, Iowa, 50014. 504 p.
- Rosenow, D.T. 2003. Breeding to enhance drought tolerance in sorghum p. 22. *In*: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Rosenow, D.T., N. Teme, C.A. Woodfin, G.N. Odvody, and G.C. Peterson. 2002. Relationship of stay green to charcoal rot and lodging in sorghum. p. 425. *In*: Sorghum and millets diseases, edited by John F. Leslie. Based on contributions to the Third Global Conference on Sorghum and Millets Diseases in Guanajuato, Mexico, September 2000. Iowa State Press, Ames, Iowa, 50014. 504 p.
- Rosenow, D. T. , G. Ejeta, L.E. Clark, M. I. Gilbert, R. G. Henzell, A. K. Borrell, and R.E. Muchow. 1997. Breeding for pre-and post-flowering drought stress resistance in Sorghum. p. 400-411 *In* Rosenow et al. (eds). Proc. International Conference on Genetic Improvement of Sorghum and Millet, 22-27 September, Lubbock, Texas. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5
- Rosenow, Darrell T. 1993. Breeding for drought resistance under field conditions. p. 122-126. *In* Proc. 18th Biennial Grain Sorghum Research and Utilization Conference, Feb. 28-March 2, 1993. Lubbock, TX

Breeding

- Rosenow, D.T. 1993. Screening plants for drought. p. 133-141. *In Proc. Adaptation of Plants to Soil Stresses*, August 1-4, 1993. Lincoln, NE. INTSORMIL Publication No. 94-2.
- Rosenow, D.T. 1992. Using germplasm from the world collection in breeding for disease resistance. p. 319-324. *In Sorghum and Millets Diseases: A Second World Review*. W.A.J. deMilliano, R.A. Frederiksen and G.G. Bengston (eds.) ICRISAT, India.
- Rosenow, D.T. 1988. Drought resistance in sorghum - concepts and breeding procedures. p. 377-386. *In: Proc. EARSAM Sixth Regional Workshop on Sorghum and Millet Improvement*, sponsored by OAU/SAFGRAD/ICRISAT, July 20-27, 1988, Mogadishu, Somalia.
- Rosenow, D.T. 1988 (Published 1994). The Maicillos Criollos: A global perspective. p. 161-162. *In Proc. Maicillos Criollos and other Sorghums in Middle America Workshop*, December 7-11, 1987. Tegucigalpa, Honduras. CEIBA Vol. 29(2). 501 p.
- Rosenow, Darrell T. 1987. Breeding sorghum for drought resistance. *In Food Grain Production in Semi-Arid Africa*. p. 83-89. *Proc. International Drought Symposium* sponsored by OAU/STRC-SAFGRAD May 19-23, 1986, Kenyatta Conference Center, Nairobi, Kenya. Eds. J.M. Menyonga, Taye Bezuneh and Anthony Youdeowei.
- Rosenow, D.T. 1986. Genetic disorders. p. 60. *In Compendium of Sorghum Diseases*, APS Series, Ed. R.A. Frederiksen. The American Phytopathological Society. St. Paul, MN.
- Rosenow, D.T. and G. Ejeta. 1986. Techniques and concepts on collaborative drought tolerance research on sorghum in West Africa. p. 73-80. *In Axtell J.D. and J. Clark (eds.) Proc. INTSORMIL/INRAN/NCRP Workshop on Sorghum and Millets*. Niamey, Niger. Oct. 14-17, 1985
- Rosenow, D.T. 1984. Breeding for resistance to root and stalk rots in Texas. p. 209-218. *In Sorghum Root and Stalk Rots, A Critical Review: Proc. Consultative Group Discussion on Research Needs and Strategies for Control of Sorghum Root and Stalk Rot Diseases*, Nov. 27 - Dec. 2, 1983, Bellagio, Italy. ICRISAT, India.
- Sanderson, Matt A., G. Ali, Mark A. Hussey and Fred R. Miller. 1994. Plant density effects on forage quality and morphology of four sorghum cultivars. *Proc. American Forage and Grassland Council*. Vol. 3:237-241.
- Sanderson, Matt A., Fred R. Miller, Mark A. Hussey, Ronald M. Jones and G. Ali. 1994. Quality of forage sorghums: Response to genetics and management. p. 55. *National Conference on Forage Quality, Evaluation and Utilization*. April 13-15. Lincoln, NE.
- Sanderson, M.A. and F.R. Miller. 1992. Agronomic traits and forage quality of experimental forage sorghum hybrids. p. 44. July 14-22. *Int. Crop Sci. Congr. Ames, IA*.
- Schertz, S. Sivaramakrishnan, W.W. Hanna, J. Mullet, Yi Sun, U.R. Murty, D.R. Pring, K.N. Rai, and B.V.S. Reddy. 1997. Alternate cytoplasm and apomixis of sorghum and millet. p. 213-223. *In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet*, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Sirifi, Seyni, J.W. Maranville and R.K. Pandey. 2002. Field management for sorghum seed production. p. 145-154. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop*. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Smith, Roberta H., S. Bhaskaran, Paul M. Hasegawa, Ray A. Bressan, Keerti S. Rathore, and Ronny R. Duncan. 1997. Sorghum improvement using plant tissue culture. p. 241-249. *In D.T. Rosenow et al (eds)*.

Breeding

- Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Souley, Soumana and Magagi Abdou. 2002. Production of quality hybrid seed. p. 139-144. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop*. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Stenhouse, J.W., R. Bandyopadhyay, S.D. Singh, and V. Subramanian. 1997. Breeding for grain mold resistance in sorghum. p. 326-336. *In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Subudhi, P.K., H.T. Nguyen, M.L. Gilbert, and D.T. Rosenow. 2002. Sorghum Improvement: Past Achievements and Future Prospects. *In Manjit S. Kang (Ed.) Crop Breeding: New Challenges in the Twenty-First Century*. Food Products Press. Pp. 109-159.
- Subudhi, P.K., H.T. Nguyen, M.L. Gilbert, and D.T. Rosenow. 2001. Sorghum Improvement: Past Achievements and Future Prospects. p. 219-234. *In Manjit S. Kang (Ed.) Crop Breeding: New Challenges in the Next Century*. Food Products Press.
- Sullivan, T.W., J.H. Douglas, D.J. Andrews, P.L. Bond, J.D. Hancock, P.J. Bramel-Cox, W.D. Stegmeier and J.R. Brethour. 1990. Nutritional value of pearl millet for food and feed. p. 83-94. *In Intern. Conf. on Sorghum Nutritional Quality*, Purdue University.
- Tabosa, J.N., D.J. Andrews, J.J. Tavares Filho, and A.D. Azevedo Neto. 1999. Comparison among forage millet varieties and forage sorghum under semiarid conditions of Pernambuco State Brazil; yield and quality evaluation. p. 213-218. *In Proceedings of International Pearl Millet Workshop*, Azevedo Neto, A.D. et. al. 9-10 June 1999, Planaltina, Brazil.
- Teme, N. D.T. Rosenow, G.C. Peterson, C.A. Woodfin, H. Nguyen, A. Herring, and W. Xu, Heterosis and breeding potential of a Chinese cultivar for grain yield in sorghum. p. 74. *In: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference*, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Teme, N., D.T. Rosenow, G.C. Peterson, W. Xu, C.A. Woodfin, H.T. Nguyen, and A. Herring. 2003. Heterosis and breeding potential of a Chinese cultivar for grain yield in sorghum. pp. 107-113. *In: Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference*, Feb. 16-18, 2003, Albuquerque, New Mexico (CD-Rom)
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, D.T. Rosenow and J.T. Cothren. 1991. Nonsenescence and resistance to charcoal rot in sorghum: Genetics and Relationships to Nonstructural Carbohydrates. p. 28.
- Thakur, R.P., R.A. Frederiksen, D.S. Murty, B.V.S. Reddy, R. Bandyopadhyay, L.M. Giorda, G.N. Odvody, and L.E. Claflin. 1997. Breeding for disease resistance in sorghum. p. 303-315. *In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996*. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Toure, Aboubacar, H. Frederick W. Rattunde and Inoussa Akintayo. 2002. Heterosis and hybrid sorghum seed production in West Africa. p. 94-103. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop*. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.

- Toure, Aboubacar and I. Kapran. 2001. Development of tan/white sorghum cultivars in West and Central Africa. p. 42-51. Proc. of WCASRN Workshop - Towards Sustainable Sorghum Utilization. April 19-22, 1999, Lomé, Togo. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru 502 324, Andhra Pradesh, India: 104 p. ISBN 92-9066-433-9. Order code CPE131.
- Toure, A., F.R. Miller, L.W. Rooney and C. McDonough. 1991. Grain filling rates in some genotypes of sorghum [*Sorghum bicolor* (L) Moench]. p. 29. Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- Tuinstra, M.R., T.T. Teferra, L.E. Clafin, R.G. Henzell, A. Borrell, N. Seetharama, G. Ejeta, and D.T. Rosenow. 2002. Breeding for resistance to root and stalk rots in sorghum. pp. 281-286. In: Sorghum and millets diseases, edited by John F. Leslie. Based on contributions to the Third Global Conference on Sorghum and Millets Diseases in Guanajuato, Mexico, September 2000. Iowa State Press, Ames, Iowa, 50014. 504 p.
- Tuinstra, M.R., T.T. Teferra, L.E. Clafin, R.G. Henzell, A. Borrell, N. Seetharama, G. Ejeta, and D.T. Rosenow. 2002. Breeding for resistance to root and stalk rots in sorghum. pp. 281-286. In J.F. Leslie (ed.), Sorghum and Millets Diseases. Iowa State Press, Ames, IA.
- Tuinstra, M.R., T.T. Teferra, L.E. Clafin, R.G. Henzell, A. Borrell, N. Seetharama, G. Ejeta and D.T. Rosenow. 2002. Breeding for resistance to root and stalk rots in sorghum. p. 281-286. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Tuinstra, M.R., T.D. Kriegshauser, R.L. Vanderlip, K.D. Kofoid, and J.D. Hancock. 2001. Can long grain-fill duration improve yield potential and grain quality of sorghum? Pp. 185-195. In Proceedings of the 56th Corn & Sorghum Research Conference, 2001. American Seed Trade Association. Chicago, IL, Dec. 5-7, 2001. Alexandria, VA. USA.
- Tuinstra, M.R., T. Teferra, L.E. Clafin, R.G. Henzell, A. Borrell, N. Seetharama, G. Ejeta, and D.T. Rosenow, 2001. Root and stalk rot resistance in sorghum. Pp. 32-34. In Proc. of the 22nd Biennial Grain Sorghum Research and Utilization Conference, Feb. 18-20, 2001. Nashville, Tennessee.
- Tuinstra, M. R., P. Goldsbrough, and G. Ejeta. 1997. Analysis of Drought Tolerance in Sorghum: Mapping of Quantitative Trait Loci and Their Evaluation in Near-Isogenic Lines. p 425-428. In Rosenow et al. (eds). Proc. International Conference on Genetic Improvement of Sorghum and Millet, 22-27 September, Lubbock, Texas. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Verma, Bhola Nath and Winter M. Chibasa. 2002. Zambian Seed Industry — History and experience. p. 43-55. In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Vietor, D.M., C.L. Brittin and F.R. Miller. 1991 ¹⁴C-Assimilate partitioning in relation to biomass of diverse sorghum cultivars. p. 64. Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX.
- Wilson, J.P. and R.N. Gates. 2002. The dynamic multiline population: An alternative approach to durable resistance? pg 65-69 in: Leslie, J.F. (Ed.) Sorghum and Millets Diseases. Iowa State Press, Ames, Iowa.
- Wilson, J.P. 2002. Diseases of pearl millet in the Americas. pg 465-469 in: Leslie, J.F. (Ed.) Sorghum and Millets Diseases. Iowa State Press, Ames, Iowa.

Yagoua, N.D. and N.I. Jika. 2002. Regional needs for training in seed production. p. 179-180. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop*. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.

Dissertation and Theses

M.S. Degrees

Blanchett, Claire Louise Colette. 1987. Evaluation of sorghum genotypes for agronomic and food quality characteristics for *pitimi* (rice-like product). M.S. thesis. Texas A&M University, College Station, TX.

Chintu, Edmund Martin. 1989. Genetic variability for manganese tolerance in sorghum. M.S. thesis. Mississippi State University, Mississippi State, MS.

Chisi, Medson. 1988. Heterosis and combining ability in A_1 and A_2 cytoplasm lines of sorghum, *Sorghum bicolor* (L.) Moench. M.S. thesis. Texas A&M University, College Station, TX.

Chitengue, Jone. 1992. Breeding sorghum for resistance against *Colletotricum graminicola*. M.S. thesis. University Federal de Vicosa, Minas Gerais, Brazil.

Chungu, Chibwe. 1992. Tester choice in evaluating new parental lines in grain sorghum. M.S. thesis. University of Nebraska, Lincoln, NE.

Gorman, C. Tennant. 1992. Characterization of drought resistance of exotic sorghums. M.S. thesis. Texas Tech University, Lubbock, TX.

Gouveia, Sergio J. 1994. Effects of chemical desiccation and early harvesting on sorghum [*Sorghum bicolor* (L.) Moench] seed germination. M.S. thesis. Texas A&M University, College Station, TX.

Gutierrez, Osman A. 1990. Combining ability for aluminum tolerance of sorghum in nutrient culture. M.S. thesis. Mississippi State University, Mississippi State, MS.

Jaster, John R. 1985. Analysis of seed set and stigma receptivity among cytoplasmic male sterile sorghum (*Sorghum bicolor* L. Moench) cultivars. M.S. thesis. Texas A&M University, College Station, TX.

Jose, Joao Fernandes. 1992. Heterosis estimation and correlation between hybrids and lines of grain sorghum [*Sorghum bicolor* (L.) Moench]. M.S. thesis. University Federal de Vicosa, Minas Gerais, Brazil.

Kanyenji, Ben M. 1991. Effect of varying moisture levels on sorghum stand establishment. M.S. thesis. Texas A&M University, College Station, TX.

Kapran, Issoufou. 1988. Evaluation of the agronomic performance and food quality characteristics of experimental sorghum hybrids in Niger, West Africa. M.S. thesis. Purdue University, West Lafayette, IN.

Kenga, Richard. 1989. Heterosis and combining ability among two cytoplasmic sterility systems and representation of different taxonomic classes of sorghum. M.S. thesis. Texas A&M University, College Station, TX.

Kiula, B.A. 1993. The effect of female parent selfing on the productivity of hybrids made by protogyny in pearl millet. M.S. thesis. University of Nebraska, Lincoln, NE.

Breeding

- Klingler, John. 1990. Genotypic variation for glycine betaine level in sorghum and its relation to agronomic performance under preflowering drought stress. M.S. thesis. Purdue University, West Lafayette, IN.
- Kriegshauser, T.D. 2003. Genetic analysis of large-seeded sorghum hybrids with increased grain-fill duration and effects of increased seed size on feed quality. M.S. Thesis. Kansas State University, Manhattan, KS.
- Mahama, A.A. 1993. Trait correlations and parent affects on seedling vigor in grain sorghum. M.S. thesis. University of Nebraska, Lincoln, NE.
- Montgomery, Elizabeth Kay Jones. 1990. Evaluation of four sorghum inbreds and their hybrid populations for tolerance to aluminum toxicity. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Monyo, Emmanuel. 1985. Combining ability for agronomic and nutritional quality traits of high lysine lines of *sorghum bicolor* (L.) Moench derived from P-721. M.S. thesis. Purdue University, Dept. of Agronomy, West Lafayette, IN.
- Muuka, Ferdinand. 1989. Genotypic differences in lodging and mechanical strengths in stalks and peduncles of pearl millet [*Pennisetum glaucum* (L.) R.Br.]. M.S. thesis. University of Nebraska, Lincoln, NE.
- Muza, F.R. 1990. Combining ability and stability of grain yield production in pearl millet. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Nunes, Maria Eugenia. 1991. Performance of sorghum [*Sorghum bicolor* (L.) Moench] hybrids and their parents across locations. M.S. thesis. Texas A&M University, College Station, TX.
- Nxumalo, Edgar. 1990. Inheritance of nitrogen uptake and use efficiency in grain sorghum. M.S. thesis. Sam Houston State University, Huntsville, AL.
- Palma Carias, Alejandro. 1993. Evaluation of horizontal resistance to head smut *Sporisorium reilianum* (Kuhn) Langdon and Fullerton in *Sorghum bicolor* (L.) Moench. M.S. thesis. Texas A&M University, College Station, TX.
- Panella, Leonard W. 1986. A comparison of field and *In vitro* screening methods for drought resistance in *Sorghum bicolor* (L.) Moench. Texas A&M University, College Station, TX.
- Peters, Paul. 1993. Development and Characteristics of Epicuticular Wax Mutants in *Sorghum bicolor*. M.S. thesis. Purdue University, West Lafayette, IN.
- Ranthamane, Matla M. 1993. Comparison of two introgression schemes to utilize the wild relatives of sorghum for improved combining ability and heterosis in grain sorghum hybrids. M.S. thesis. Kansas State University, Manhattan, KS.
- Ruiz-Gomez, Cesar. 1987. Diallel analysis for aluminum tolerance in sorghum. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Sefika, Phakiso. 1993. Effect of BMR gene on nutritive value of pearl millet and sorghum harvested as silage, hay, green chop, or residue. M.S. thesis. University of Nebraska, Lincoln, NE.
- Smith, Leslie Kay. 1986. Combining ability of yield components and agronomic characteristics among selected *Sorghum bicolor* (L.) Moench inbreds. Texas A&M University, College Station, TX.

Breeding

- Spelletich, Anne Clare. 1985. A critical analysis of adaptation in *Sorghum bicolor* (L.) Moench. M.S. thesis. Texas A&M University, College Station, TX.
- Stamm, M.J. 2003. Effects of a genetically longer grain fill duration on seed weight and composition of grain sorghum. M.S. Thesis. Kansas State University, Manhattan, KS.
- Tenkouano, Abdou. 1990. Relationships of nonstructural carbohydrates to resistance to charcoal rot in sorghum. M.S. thesis. Texas A&M University, College Station, TX.
- Tiryaki, I. 1998. Genetic studies on sorghum germination and seedling tolerance to low temperatures. M.S. thesis. University of Nebraska. 90 p.
- Traore, K. 1989. Comparative growth of normal and yellow pearl millet. p. 73. M.S. thesis. University of Nebraska, Lincoln, NE.
- Tyler, Thomas. 1988. Heterotic pattern and combining ability for agronomic and food grain quality traits in exotic x exotic, exotic x intermediate, and exotic x local sorghum hybrids in Niger. M.S. thesis. Purdue University, West Lafayette, IN.
- Vogler, Renée K. 1992. Genetic control of low-stimulant production and its potential as a predictor of field resistance against *Striga asiatica* in sorghum. M.S. thesis. Purdue University, West Lafayette, IN.
- Walulu, Richard S. 1991. Genetic control of post flowering drought tolerance (stay green) in sorghum. M.S. thesis. Texas Tech University, Lubbock, TX.
- Wanous, Michael Kelsie. 1989. Inheritance of stay green, a post flowering drought resistance response in *Sorghum bicolor* (L.) Moench. M.S. thesis. Texas A&M University, College Station, TX.
- Ph.D. Degrees***
- Adamou, Moussa. 1990. Combining ability of acid soil tolerant sorghum germplasm in Niger. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Alegre de la Soujeole, Anne. 1985. Cold tolerance of sorghum [*Sorghum bicolor* (L.) Moench] during germination and early seedling growth. Texas A&M University, College Station, TX.
- Chirwa, Rowland. 1991. Estimation of synthetic variety yields in pearl millet through parental line evaluation, per se and in tester combinations. Ph.D. diss. University of Nebraska, Lincoln, NE.
- Chisi, Medson. 1993. Evaluation of two families (Full-Sib-Si) for drought tolerance, agronomic traits from a sorghum grain population, and the evaluation hybrids developed from KP9B derived lines with four testers. Ph.D. diss. Kansas State University, Manhattan, KS.
- Coulibaly, S.B. 2002. Evaluation of backcross progenies and recombinant inbred line populations of sorghum (*Sorghum bicolor* (L.) Moench). Ph.D. dissertation. Texas Tech University, Lubbock, TX.
- Dahlberg, Jeffery. 1992. Variation of ¹⁴C assimilate export and partitioning in reduced progressive senescent and senescent sorghums [*Sorghum bicolor* (L.) Moench] and the potential use of anatomical features as a genetic marker for variation in sorghum. Ph.D. diss. Texas A&M University, College Station, TX.

Breeding

- Davila, Jesus D. Saldivar. 1998. Evaluation of performance of corn yield trials in a commercial corn breeding program in the U.S. corn belt: Measurement of genetic gain. Ph.D. diss., University of Nebraska, Lincoln, NE., p. 89.
- deFranca, J.G.E. 1990. Studies on genetic parameters of agronomic, grain structure, and malting characteristics of sorghum (*Sorghum bicolor* [L.] Moench). Ph.D. diss. Texas A&M University, College Station, TX.
- D’Croz-Mason, Nora. 1987. Chromosomal interchange linkage studies with the high lysine gene (hl) in sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. diss. Purdue University, West Lafayette, IN.
- Fabien, J. 1996. Effectiveness of classes of testers for evaluation of lines as potential parents for grain sorghum [*Sorghum bicolor* (L.) Moench] hybrids. Ph.D. diss. University of Nebraska-Lincoln.
- Galiba, Marcel. 1986. Couscous quality and agronomic performances in relation to phenotypic recurrent selection in sorghum improvement. Ph.D. diss. Texas A&M University, College Station, TX.
- Gilbert, Michael. 1989. Combining ability and early generation testing studies in sorghum. Ph.D. diss. Texas Tech University, Lubbock, TX.
- Giorda, Laura M. 1988. Interactions of virus accumulations, disease severity, and disease incidence as heritable indicators of host resistance to MDMV-A and their influence on yield. Ph.D. diss. Texas A&M University, College Station, TX.
- Gomez, Francisco A. 1986. Agronomic, grain and food quality evaluation of 14 sorghum food genotypes for combining ability, heterosis, environmental, and genetic effects in a line x tester analysis. Ph.D. diss. Texas A&M University, College Station, TX.
- Haroon, Mahmuda. 1988. Selection methods in two random-mating sorghum populations. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Hess, Dale E. 1989. Resistance to *Striga hermonthica* (Del.) Benth. in sorghum. Ph.D. Purdue University, Dept. of Agronomy, West Lafayette, IN.
- Isbell, Verne R. 1992. The lodging complex in sorghum [*Sorghum bicolor* (L.) Moench]: Morphological, chemical, and anatomical stem features associated with lodging in sorghum. Ph.D. diss. Texas A&M University, College Station, TX.
- Kapran, Issoufou. 1998. Quantitative trait loci for sorghum maturity and their influence on agronomic traits in diverse growing environments. Ph.D. diss. Purdue University, W. Lafayette, IN.
- Khizzah, William. 1991. Genetic control of post-flowering osmotic adjustment and dehydration tolerance components in sorghum [*Sorghum bicolor* (L.) Moench] under induced drought stress. Ph.D. Diss. Texas A&M University, College Station, TX.
- Luhanga, Jeffrey. 1991. Evolution of sorghum [*Sorghum bicolor* (L.) Moench] genotypes for resistance to field deterioration. Ph.D. Diss. Mississippi State University, Mississippi State, MS.
- Mazhani, L.M. 1990. Evaluation of stability of performance of twenty-five grain sorghum [*Sorghum bicolor* (L.) Moench] Genotypes in Botswana. Ph.D. Diss. University of Nebraska, Lincoln, NE.

- Mkhabela, Siphon Milton. 1995. Genetic variation, heritability estimates, and yield relationship of pre-flowering and post-flowering drought resistant traits in grain sorghum. Ph.D. diss. Texas Tech University, Lubbock, TX.
- Monk, R.L. 1984. A characterization of sorghum [*Sorghum bicolor* (L.) Moench] for biomass utilization. Ph.D. Diss. Texas A&M University, College Station, TX.
- Monyo, Emmanuel S. 1988. Agronomic, genetic and biochemical analysis of drought resistance in sorghum and development of high yield potential sorghum hybrids for drought stress environments. Ph.D. diss. Purdue University, West Lafayette, IN.
- M'Ragwa, Lawrence Francis Riungu. 1993. Divergent selection for seedling root length and coleoptile length in pearl millet [*Pennisetum glaucum* (L.) R. Br.] and effects on seedling emergence, seedling vigor and agronomic traits. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Munoz-Arguedas, Guillermo. 1988. Inheritance of aluminum tolerance in sorghum under field conditions in Colombia. Ph.D. Diss. Mississippi State University, Mississippi State, MS.
- Mushonga, Joseph. 1986. Investigations on genetic variability, heterosis, and gene action for diastatic activity and some correlated traits in sorghum [*Sorghum bicolor* (L.) Moench] grain. Ph.D. Diss. Purdue University, West Lafayette, IN.
- Muza, F.R. 1993. Mutagenesis and RFLP applications in finger millet (*Eleusine coracana* L. Gaertn.) breeding. Ph.D. Diss. University of Nebraska, Lincoln, NE.
- Nukal, Balaji. 1989. Influence of water stress on the performance of *Sorghum bicolor* (L.) Moench cultivars. Ph.D. Diss. Texas A&M University, College Station, TX.
- Ombakho, George A. 1994. Performance, stability parameters, genetic effects, and prediction of performance in single, three-way, and double-cross hybrids of sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. Diss. Texas A&M University, College Station, TX.
- Ortegon-Perez, Jesus. 1990. Screening sorghum germplasm against the combined effects of *Fusarium moniliforme* and aluminum toxicity in nutrient culture. Ph.D. Diss. Mississippi State University, Mississippi State, MS.
- Ouendeba, Botorou. 1991. Diversity, combining ability and heterotic patterns among African pearl millet landraces. Ph.D. Diss. Purdue University, West Lafayette, IN.
- Perez, German Jose. 1985. Combining ability and heterosis studies for adaptation in newly developed male and female inbreds of sorghum, *Sorghum bicolor* L. Moench. Ph.D. diss. Texas A&M University, College Station, TX.
- Raab, Jr., Q.J. 1985. A characterization of sorghum for genes affecting pericarp color and phenols. Ph.D. diss. Texas A&M University, College Station, TX.
- Rogers, S. Ann. 1986. Methods of evaluation and inheritance of aluminum tolerance in sorghum. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Romo-Calderon, Enrique. 1989. A study of the inheritance of flowering stage cold tolerance in *Sorghum bicolor* (L.) Moench. Ph.D. Diss. Texas A&M University, College Station, TX.

Breeding

- Saadon, Hamis Mohamed. 1992. Inheritance of manganese tolerance in sorghum. Ph.D. Diss. Mississippi State University, Mississippi State, MS.
- Setimela, Peter S. 1999. Genetic studies on sorghum seedling tolerance to heat and development of a rapid screening technique. Ph.D. diss., University of Nebraska, Lincoln, NE, p. 105.
- Sifuentes, Jose. 1989. Effect of intrafield diversity as a means of managing leaf blight of sorghum. Ph.D. Diss. Texas A&M University, College Station, TX.
- Soujeole, Anne Alegre de la. 1985. Cold tolerance of sorghum (*Sorghum bicolor* L. Moench) during germination and early seedling growth. Ph.D. Diss. Texas A&M University, College Station, TX.
- Stuart, Gregory. 1985. Evaluation of agronomic characteristics in a random mating 2-dwarf sorghum population undergoing recurrent selection for grain yield. Ph.D. Diss. Purdue University, West Lafayette, IN.
- Tenkouano, Abdou. 1993. Genetic and ontogenic analysis of anthracnose resistance in *Sorghum bicolor* (L.) Moench. Ph.D. diss. Texas A&M University, College Station, TX.
- Tesso, T.T. 2002. Analysis of resistance to Fusarium stalk rot in grain sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. Dissertation. Kansas State University, Manhattan, KS.
- Toure, Aboubacar. 1992. Heterosis, combining ability and breeding potential studies for grain and yield components in guinea and guinea derivative sorghums *Sorghum bicolor* (L.) Moench. Ph.D. diss. Texas A&M University, College Station, TX.
- Wortmann, C.S. 1987. The genetics and improvement of seedling cold tolerance in grain sorghum. Ph.D. diss. University of Nebraska, Lincoln, NE.
- Yakub, Muhammed Jusuf. 1988. Inheritance of phosphorus utilization of sorghum in sand culture. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Yang, Y-W. 1987. Comparative responses of Johnsongrass (*Sorghum halepense* (L.) Pers.) and grain sorghum [*Sorghum bicolor* (L.) Moench] to salinity. Ph.D. diss. Texas A&M University, College Station, TX.
- Youngquist, W.C. 1987. Sorghum population breeding for intercropping with legumes. Ph.D. diss. University of Nebraska, Lincoln, NE.
- Zake, Vincent Makumbi. 1993. Inheritance of tolerance to soil acidity and effects on agronomic characteristics and leaf mineral element concentrations in sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. diss. Mississippi State University, Mississippi State, MS.

Other Degrees

- Boggs, Lisa L. 1992. Planting date, weed control and row spacing effects on dwarf grain pearl millet production. M.A. thesis. Chadron State College, Chadron, NE.
- Granados, M.A. 1992. Growth and absorption of NPK in two grain sorghum hybrids in three densities (In Spanish). Ing. Agro. thesis. Panamerican Agricultural School. El Zamorano, Honduras.

Breeding

- Lobo, P. 1994. Nicking of "Ganadero and ZAM-Rojo parental lines (In Spanish). Ing. Agro. thesis. Panamerican Agricultural School. El Zamorano, Honduras.
- Molina-Juarez, L. 1992. Preliminary evaluation of 54 broomcorn varieties (In Spanish). Ing. Agro. thesis. Panamerican Agricultural School. El Zamorano, Honduras.
- Moncada-Barahona. E. 1991. Sorghum tolerance to maize shade (In Spanish). Ing. Agro. thesis. Escuela Agricola Panamerican. El Zamorano, Honduras.

Miscellaneous Publications

- Andrews, D.J., J.F. Rajewski, D.D. Baltensperger, and P.T. Nordquist. 1998. Release of grain sorghum male parents N248R and N249R. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, April, 1998.
- Andrews, D.J., J.F. Rajewski, and J.D. Eastin. 1998. Release of NM-6R₁, a dwarf grain pearl millet inbred restorer line. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, May, 1998.
- Andrews, D.J., J.F. Rajewski, D.D. Baltensperger, and P.T. Nordquist. 1998. Release of early sorghum seed parents N250A, N251A and N252A and their respective maintainer lines. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, April, 1998.
- Andrews, D.J., J.F. Rajewski, and A.J. Heng. 1998. Release of 26 grain sorghum seed parents (A-lines) N253-N278 and their respective maintainers (B lines). Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, April, 1998.
- Andrews, D.J., J.F. Rajewski, and A.J. Heng. 1998. Release of 33 grain sorghum seed parent germplasm (A-lines) N279-N311 and their respective maintainers (B lines). Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, April, 1998.
- Andrews, D.J. and J.F. Rajewski. 1994. Male fertility restoration and attributes of the A₄ cytoplasmic-nuclear male sterile system for grain production in pearl millet. Intl. Sorghum and Millets Newsltr. 35:64.
- Andrews, D.J. and J.F. Rajewski. 1993. Release of dwarf grain pearl millet population NPM-3 which restores fertility on the A₄ CMS system/ p 2. Agricultural Research Division, University of Nebraska, Lincoln, NE.
- Andrews, D.J., J.F. Rajewski, P.T. Nordquist, A.J. Heng, R.G. Goll and J.D. Harris. 1993. Release of Grain Sorghum Seed Parent N148A and Maintainer Line N148B. p. 2. Agricultural Research Division, University of Nebraska, Lincoln, NE.
- Andrews, D.J. 1992. 1991 pearl millet regional grain trials. UNL, Agronomy Dept., University of Nebraska, Lincoln, NE. 15 p.
- Andrews, D.J. 1992. Senegal Agricultural Research II Support Project. Cereal Advisory Team, Sorghum and Pearl Millet Final Report. 6 p. Michigan State University, Lansing, MI.
- Andrews, D.J., J.F. Rajewski and Linda A. Pavlish. 1992. Release of two early maturing dwarf grain pearl millet germplasm populations, NPM- and NPM-2. p. 4. Agricultural Research Division, University of Nebraska, Lincoln, NE.

Breeding

- Andrews, D.J. and J.F. Rajewski. 1991. 1990 pearl millet regional grain yield tests. Dept. of Agronomy, University of Nebraska, Lincoln, NE. 4 p.
- Andrews, D.J. and J.F. Rajewski. 1990. 1988 and 1989 pearl millet regional grain yield tests. Dept. of Agronomy, University of Nebraska, Lincoln, NE. 3 p.
- Andrews, D.J. 1989. Cereal breeding in Africa. Seminar for Summer Institute for African Agricultural Research, Univ. of Wisconsin-Madison, July 10-29. 21 pages.
- Andrews, D.J. 1989. The role of intercropping in increased production in Africa. Seminar for Summer Institute for African Agricultural Research, Univ. of Wisconsin-Madison, July 10-29. 14 pages.
- Andrews, D.J. 1989. Advances in INTSORMIL millet research. INTSORMIL Intern. Sorghum/Millet CRSP Conf. Jan. 3-5, Scottsdale, AZ. 16 p.
- Andrews, D.J., G.R. Goll, J.R. Rajewski, J.D. Eastin, Paula J. Bramel-Cox, M.D. Witt and R.R. Duncan. 1989. Release of 36 grain sorghum germplasms. p. 4. Agricultural Research Division, University of Nebraska, Lincoln, NE.
- Andrews, D.J., P.T. Nordquist, J.R. Rajewski, G.R. Goll and Linda A. Pavlish. 1989. Release of N123 and N124 pairs of early maturing grain sorghum seed parents. p. 1. Agricultural Research Division, University of Nebraska, Lincoln, NE.
- Andrews, D.J. 1988. Intercropping in low resource agriculture in Africa; Millet breeding for low resource agriculture in Africa. Enhancing Agriculture in Africa. Congress of the United States, Office of Technology Assessment OTA-F-356, Washington, D.C.
- Andrews, D. J. 1987. Breeding pearl millet hybrids. p. 83-109. *In* W.P. Feistritzer and A.F. Kelly (eds.) Hybrid seed production of selected cereal, oil and vegetable crops. FAO Plant Production and Protection Paper No. 82. FAO, Rome.
- Andrews, D.J. and G. Harinarayana. 1984. Procedures for the maintenance and seed production of pearl millet varieties. ICRISAT Inf. Bull. No. 16.
- Archer, T.L. and G.C. Peterson. 1987. Field screening for sorghum resistance to Banks grass mites. Annual Plant Resistance to Insects Newsletter 13:37-38.
- Archer, T.L. and G.C. Peterson. 1985. Banks grass mite resistance in sorghum. Annual Plant Res. to Insects Newsl. 11:36.
- Carvalho, C.H.S., U.B. Zehr, N. Gunaratna, T.K. Hodges, and J.D. Axtell. 1998. Genetic transformation of sorghum via *Agrobacterium tumefaciens*. Third International Plant Biotechnology Symposium, Havana, Cuba.
- Carvalho, C.H.S., U.B. Zehr, N. Gunaratna, T.K. Hodges, and J.D. Axtell. 1998. Genetic transformation of sorghum via *Agrobacterium tumefaciens*. Third International Plant Biotechnology Symposium, Havana, Cuba.
- Cerritos, G., D.H. Meckenstock, F. Gomez and T.C. Hash. 1992. Introduction of 54 broomcorn varieties in Honduras (In Spanish). p. 121-128. Agronomy Department Annual Report. Vol. 4. Escuela Agrícola Panamericana, El Zamorano, Honduras.

Breeding

- Dahlberg, J.A., D.T. Rosenow, G.C. Peterson, and L.E. Clark. 1997. Release of 50 partially converted sorghum bulks from the Sorghum Conversion Program. *International Sorghum and Millets Newsletter*, ISMN 38:38-41.
- Dahlberg, J.A., D.T. Rosenow, G.C. Peterson, L.E. Clark, F.R. Miller, A. Sotomayor-Rios, A.J. Hamburger, P. Madera-Torres, A. Quiles-Belen, and C.A. Woodfin. 1996. Release of 40 converted sorghum lines from the world sorghum collection. *Int. Sorghum and Millets Newsl.* 37:53-56.
- D'Croz-Mason, N.E., J.D. Axtell and W.E. Nyquist. 1993. Problems encountered in chromosomal interchange linkage studies with the high lysine gene in sorghum. *Sorghum Newsletter*, Vol. 34, p. 43.
- Frederiksen, R.A., D.T. Rosenow, G.L. Teetes, G.C. Peterson, G.N. Odvody, F.R. Miller and S.D. Collins. 1991. Disease and insect rating schemes for sorghum. *Sorghum Newsletter* 32:30-36.
- Gomez, F. and J. Moran. 1996. 1995 Grain sorghum performance tests for the PCCMCA (In Spanish). Tech. Rep. N° AG-9601. Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gomez, F., D.H. Meckenstock and G. Cerritos. 1994. 1993 sorghum performance tests (In Spanish). Tech. Rep. EAP/SRN/INTSORMIL-3. Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gomez, F., D.H. Meckenstock and G. Cerritos. 1994. 1992 Grain sorghum performance tests (In Spanish). Tech. Rep. EAP/SRN/INTSORMIL-3. Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gomez, F., D.H. Meckenstock and G. Cerritos. 1993. 1992 Grain sorghum performance tests (In Spanish). Tech. Rep. EAP/SRN/INTSORMIL-3. Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gomez, F., D.H. Meckenstock, H. Sierra and A. Moran. 1993. *In situ* Conservation and Enhancement of Maicillo. (In Spanish). p. 123-129. Agronomy Department Annual Report, vol. 6, Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gomez, F. and D.H. Meckenstock. 1992. 1990 Grain sorghum performance tests (In Spanish). Tech. Rep. EAP/SRN/INTSORMIL-3. Escuela Agricola Panamericana, El Zamorano, Honduras.
- Gourley, L.M. 1993. Success in acid/low fertility soils in Colombia. p. 221-233. Proc. Workshop on Adaptation of Plants to Soil Stresses, INTSORMIL Publication No. 94-2. The University of Nebraska, Lincoln, NE.
- Gourley, L.M. and J.G. Salinas. 1987. Sorghum for Acid Soils. International Center for Tropical Agriculture (CIAT), Cali, Colombia. p. 337.
- Masud, M. Sharif, R.D. Lacewell and F.R. Miller. 1989. Effect of high energy sorghum as a energy feed stock on methane production. *Texas Agricultural Experiment Station Bulletin*: MP1620.
- McBee, G.G. and F.R. Miller. 1992. Stem carbohydrate and lignin concentrations in sorghum hybrids at seven growth stages. MP-1730. *Texas Agri. Exp. Sta.*, Texas A&M University, College Station, TX.
- McBee, G.G. and F.R. Miller. 1991. Effect of leaf damage on sorghum carbohydrate production. MP-1730. *Texas Agri. Exp. Sta.*, Texas A&M University, College Station, TX.
- Meckenstock, D.H., F. Gomez, N. Reyes-Discua and C.T. Hash. 1992. Broomcorn resistance to sorghum downy mildew. *Sorghum Newsletter* 33:38-39.

Breeding

- Miller, F.R. and F.L. Green. 1993. How to raise sorghum in a semi-arid area. Mississippi/ Zimbabwe Partnership. Jackson, MS.
- Moran, J. and R. Mateo. 1998. 1997 Grain sorghum performance test for the PCCMCA (In Spanish). Tech. Rep. No. AG-9801. Escuela Agrícola Panamericana, El Zamorano, Honduras.
- Munoz, Guillermo. 1992. Fundación El Alcaraván-ICA-INTSORMIL, CIAT. Investigación de sorgo en Colombia: Informe de actividades 1990-1991. Cali, Colombia. 420 p.
- Peterson, G.C., G.L. Teetes, B.B. Pendleton and R.M. Anderson. 1998. Yield of sorghum midge-resistant sorghum hybrids, 1997. Annual Plant Resistance to Insects Newsletter 24:50-51
- Peterson, Gary C., Jerry W. Jones, George L. Teetes, Bonnie B. Pendleton and Roger M. Anderson. 1998. Grain yield of sorghum midge-resistant sorghum hybrids, 1997. Arthropod Management Tests 23:382.
- Peterson, G.C., G.L. Teetes, R.M. Anderson, and B.B. Pendleton. 1996. Field evaluation of sorghum-midge resistant sorghum hybrids, 1995. Arthropod Management Tests 21:425-426.
- Peterson, G.C., G.L. Teetes, R.M. Anderson, and B.B. Pendleton. 1996. Field performance of sorghum-midge resistant sorghum hybrids, 1994. Arthropod Management Tests 21:424-425.
- Peterson, G.C., D.T. Rosenow, D. Pietsch, C.A. Woodfin, and J.W. Jones. 1995. Analysis of sorghum performance data using randomized complete block versus nearest neighbor methods. p. 48. *In Proc. 19th Biennial Grain Sorghum and Research and Utilization Conference, March 5-7, 1995. Lubbock, TX. 171. p.*
- Peterson, G.C., G.L. Teetes, and B.B. Pendleton. 1994. Resistance of sorghum to sorghum midge in the United States. International Sorghum and Millets Newsletter. 35:48-63.
- Peterson, G.C. 1994. Sorghum and plant resistance to insects problems. Annual Plant Resistance to Insects Newsletter 20:3-5.
- Peterson, G.C., G.L. Teetes, R.M. Anderson and B.B. Pendleton. 1994. Yield and selected traits of sorghum midge-resistant sorghum hybrids. Annual Plant Resistance to Insects Newsletter 20:30-31.
- Peterson, G.C. and G.L. Teetes. 1992. Sources of resistance to sorghum midge. Annual Plant Resistance to Insects Newsletter 18:52.
- Peterson, G.C., T.L. Archer and D.T. Rosenow. 1987. Evaluation of grain sorghum genotypes for resistance to the Banks grass mite. Sorghum Newsletter 30:66-67.
- Peterson, G.C. and G.L. Teetes. 1985. Sources of resistance to the sorghum midge. Annual Plant Resistance to Insects Newsletter 11:36.
- Pietsch, D., L. Synatschk, W.L. Rooney, D.T. Rosenow, and G.C. Peterson. 1998. 1998 Grain sorghum performance tests in Texas. Dep. of Soil and Crop Sci. Technical Report DTR 98-08 119 p.
- Pietsch, D., L. Synatschk, W.L. Rooney, D.T. Rosenow, and G.C. Peterson. 1998. 1997 Grain sorghum performance tests in Texas. Dep. of Soil and Crop Sci. Technical Report No. 97-12. 120p.
- Pietsch, D., L. Synatschk, D.T. Rosenow, and G.C. Peterson. 1996. 1995 Grain sorghum performance tests in Texas Dept. of Soil and Crop Sci. Technical Report No. 96-2. 106 p.

Breeding

- Pietsch, D., L. Synatschk, D.T. Rosenow, F. Miller, and G. Peterson. 1995. Grain Sorghum Performance Tests in Texas, 1994. Dept. of Soil and Crop Sciences Department Technical Report No. 95-2. 108 p.
- Pietsch, D., Leon Synatschk, D.T. Rosenow, F. Miller, and G.C. Peterson. 1994. Grain Sorghum Performance Tests in Texas - 1993. Texas A&M University, Dept. of Soil and Crop Sciences. Tech. Rpt. 94-2.
- Pietsch, D.R., L. Synatschk, D.T. Rosenow, F.R. Miller and G.C. Peterson. 1994. Grain Sorghum Performance Tests in Texas. Dept. of Soil and Crop Science Departmental Technical Report No. 94-2. 114 p.
- Rai, K.N., D.J. Andrews, A.S. Rao, J.F. Rajewski and R.H. Du. 1999. Restorer sources of A₄ cytoplasmic-nuclear male sterility in *Pennisetum* germplasm and its implications in pearl millet hybrid breeding. Plant Gen. Res. Newsltr. 120:20-24.
- Rai, K.N., D.S. Murty, D.J. Andrews and P.J. Bramel-Cox. 1999. Genetic enhancement of pearl millet and sorghum for the semi-arid tropics of Asia and Africa. Genome 42:617-628.
- Rai, K.N., D.J. Andrews and J.F. Rajewski and R.H. Du. 1998. Potential of A₄ and A₅ cytoplasmic-nuclear male-sterility systems in pearl millet. Intl. Sorghum and Millets Newsltr. 39:125-128.
- Rajewski, J.F., D.J. Andrews, and L.A. Pavlish. 1998. Release of NM-1 and NM-2, two sets of dwarf grain pearl millet A₁ and A₄ seed parents and their B-lines. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, May, 1998.
- Rajewski, J.F., D.J. Andrews, and L.A. Pavlish. 1998. Release of NM-3, NM-4 and NM-5, three sets of dwarf grain pearl millet A₁ and A₄ seed parents and their B-lines. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, May, 1998.
- Rajewski, J.F., D.J. Andrews, and L.A. Pavlish. 1998. Release of NM-7R₁, a dwarf grain pearl millet inbred restorer line. Release Notice, Dept. of Agronomy, Inst. for Agric. and Nat. Resources, Univ. of Nebraska, May, 1998.
- Rajewski, J.F. and D.J. Andrews. 1998. Summary of 1997 Pearl Millet Regional Trials. 8 p. Dept. of Agronomy, University of Nebraska-Lincoln.
- Rajewski, J.F. and D.J. Andrews. 1995. 1994 Pearl Millet Regional Grain Yield Trials. Dept. of Agronomy, UN-L, mimeo. 24 p.
- Rajewski, J.F. and D.J. Andrews. 1994. 1993 Pearl Millet regional grain yield trials. University of Nebraska, Dept. of Agronomy, Lincoln, NE. mimeo. 17 p.
- Rajewski, J.F. and D.J. Andrews. 1993. Planting and cultivation of dwarf grain pearl millet in Nebraska. University of Nebraska, Dept. of Agronomy, Lincoln, NE. mimeo. 2 p.
- Rajewski, J.F. and D.J. Andrews. 1993. 1992 Pearl Millet Regional Grain Yield Trials. University of Nebraska, Dept. of Agronomy, Lincoln, NE. 14 p.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, L.E. Clark, J.W. Sij, A.J. Hamburger, P. Madera-Torres, and C.A. Woodfin. 1999. Release of 27 converted sorghum lines. International Sorghum and Millets Newsletter 40: 29-31.

Breeding

- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, L.E. Clark, A.J. Hamburger, P. Madera-Torres, and C.A. Woodfin. 1998. Release of 30 partially converted sorghum lines. *International Sorghum and Millets Newsletter* 39:82-84.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, L.E. Clark, A.J. Hamburger, P. Madera-Torres, and C.A. Woodfin. 1997. Release of 30 converted sorghum lines. *International Sorghum and Millets Newsletter*, ISMN 38:41-43.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, L.E. Clark, A. Sotomayor-Rios, F.R. Miller, A.J. Hamburger, P. Madera-Torres, A. Quiles-Belen, and C.A. Woodfin. 1995. Release of 50 converted sorghum lines and 253 partially converted bulks. *International Sorghum and Millets Newsletter*, ISMN No. 367. p. 19-31.
- Rosenow, D.T., L.E. Clark, F.R. Miller, G.C. Peterson, A. Sotomayor-Rios, A. Quiles, A.J. Hamburger and C.A. Woodfin. 1987. Released Lines: 240 exotic lines. *Sorghum Newsletter* 30.
- Salinas, J.G. and L.M. Gourley. 1990. *Sorgo para Suelos Acidos*. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. (Span.).
- Sanders, John H. and B. Kupfuma. 1995. Chapter 10, Case Study 1 - Zimbabwe: Sorghum SV-2, and Chapter 11, Case Study 2 - Namibia: Pearl Millet: Okashana. In report on the impact assessment of the SADC/ICRISAT Sorghum and Millet Improvement Program, Volume I, prepared by P. Anandajayasekeram, D.R. Martella, J. Sanders, and B. Kupfuma. Gaborone Botswana: SACCAR (Southern African Centre for Cooperation in Agricultural and Natural Resources Research and Training).
- Sanderson, Matt A., F.R. Miller and R.M. Jones. 1994. Forage quality and agronomic traits of experimental forage sorghum hybrids. *Texas Agri. Exp. Sta., Texas A&M University, College Station, TX*. MP-1759.
- Sanderson, Matt A., F.R. Miller, and R.M. Jones. 1994. Forage quality and agronomic traits of sorghum-sudangrass hybrids. *Texas Agri. Exp. Sta., Texas A&M University, College Station, TX*. MP-1765.
- Teetes, G.L., G.C. Peterson, R.M. Anderson, and B.B. Pendleton. 1996. Evaluation of sorghum midge-resistant sorghum hybrids. *Annual Plant Resistance to Insects Newsletter* 22:12.
- Teetes, G.L., G.C. Peterson, R.M. Anderson, and B.B. Pendleton. 1996. Evaluation of sorghum-midge-resistant sorghum hybrids. *International Sorghum and Millets Newsletter* 37:60.
- Teetes, G.L., G.C. Peterson, F.R. Miller, H. Thindwa and D.R. Pietsch. 1989. Resistance to biotype E green-bug among sorghum hybrids in a state performance test. *TAES PR-4655*.
- Theu, M.P.K.J., R.W. Toler and F.R. Miller. 1992. Increased host range of sorghum yellow banding virus in sorghum cultivars. *Texas Agri. Exp. Sta.* MP-1739.
- Toler, R.W., M.P.K.J. Theu, G. Odvody and F.R. Miller. 1990. Effect of sorghum yellow banding virus on sorghum x sudangrass hybrids and sudangrass cultivars. *TAES, College Station, TX*. MP-1714.

Abstracts

- Ahlich, J.M., G. Ejeta, W.G. Smart and T.G. Toulemonde. 1991. Efficiency of soil mass bioassay for evaluating AL tolerance of sorghum and millets. *International Sorghum and Millet CRSP Conference*. p. 259.

Breeding

- Anderson, R.M., J.W. Jones, B.B. Pendleton, K. Schaefer, G.C. Peterson, and G.L. Teetes. 1995. Development of germplasm resistant to sorghum midge. p. 48. Proc. of the 19th Biennial Grain Sorghum Research and Utilization Conference, March 5-7, 1995. Lubbock, TX.
- Andrews, D.J. and J.F. Rajewski. 1998. Breeding grain pearl millet for the U.S. Agron. Abstr. p. 44.
- Andrews, D.J., J.F. Rajewski, K.N. Rai and F. Jeutong. 1998. Advantages of A₄ male sterility in breeding pearl millet hybrids. Agron. Abstr. p. 76.
- Andrews, D.J. and J.F. Rajewski. 1996. Tropical influences in breeding milo for improving yield and grain quality. Nebraska Milo Expo. Feb. 12-15, 1996. ARD-IANR. p. 1-5.
- Andrews, D.J., Barnabas Kiula and J.F. Rajewski. 1991. The use of protogyny to make grain hybrids in pearl millet. Agron. Abst. p. 85.
- Andrews, D.J., L.A. Pavlish, J.F. Rajewski and R.G. Goll. 1986. Yield performance of pearl millet S₁ families at wide and normal plant spacings. Agron. Abst. p. 55.
- Assibi, A.M., D.J. Andrews and J.H. Harris. 1991. Relation of seedling vigor in sorghum [*Sorghum bicolor* (L.) Moench] inbreds to seed size and mobilization of seed reserves. Agron. Abst. p. 85.
- Barwale-Zehr, U. and J.D. Axtell. 1993. Genetic analysis of mutable phenotype associated with candy stripe sorghum. Agron. Abst. p. 172.
- Barwale-Zehr, U. and J.D. Axtell. 1992. Use of candy stripe sorghum to tag agronomically important genes. Agron. Abst. p. 187.
- Bramel-Cox, P.J., T.S. Cox, D.J. Andrews and K.J. Frey. 1985. Genetic variance within exotic, weedy, and wild populations of pearl millet and in crosses with adapted inbreds. Agron. Abst. p. 49.
- Boggs, L.L. J.F. Rajewski and D.J. Andrews. 1992. Planting date, row spacing, and weed control effects on grain yield of a dwarf pearl millet hybrid. Agron. Abst. p. 137-138.
- Chirwa, R.M., D.J. Andrews and J.F. Rajewski. 1991. Estimation of synthetic variety yields in grain pearl millet through parental line evaluation, per se and in tester combinations. Agron. Abst. p. 90.
- Chungu, Chibwe, M.A. Abdullai, J.H. Harris and D.J. Andrews. 1991. Tester choice in evaluating new parental lines in grain sorghum (*Sorghum bicolor*). Agron. Abst. p. 90.
- Collins, S.D., P.J. Mehta, W.L. Rooney, D.T. Rosenow, and G.N. Odvody. 2001. New disease resistant converted sorghum lines. Pp. 86-86. In Proc. 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, 2001. Nashville, Tennessee.
- Dahlberg, J., G.C. Peterson and D.K. Muiltze. 1993. Sorghum pedigree management using Agrobase/4TM. Agron. Abst. p. 69.
- Dahlberg, J.A., D.M. Vietor and F.R. Miller. 1991. Leaf assimilate export: Partitioning among sucrose, hexose, and starch in sorghum. Agron. Abst. 125.
- Dahlberg, J.A., D.M. Vietor and F.R. Miller. 1991. Assimilate Partitioning in Reduced Progressive Senescent Sorghums at Different Growth Stages. p. 260. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

Breeding

- Dos Santos, F.G., G.V.E. Pitta, L.M. Gourley and A.S. Goggi. 1993. Introduction and evaluation of Al-tolerant sorghum germplasm in Brazil. *Agron. Abst.* p. 188.
- Ejeta, G., P. Goldsbrough, M. Tuinstra, E. Grote, M. Mickelart. 1999. Drought tolerance in sorghum: Mapping of QTL and analysis of near-isogenic lines. *Agron. Abst.* p. 242
- Goggi, A.S., C.H. Andrews, H.O. Catno and L.M. Gourley. 1993. TZ staining patterns in sorghum for artificially induced freeze damage. *Agron. Abst.* p. 151.
- Gomez, Francisco and Dan Meckenstock. 1991. Breeding Photoperiod Sensitive Hybrids. p. 261. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Grenier, C., G. Ejeta, P. Bramel, J. Dahlberg, A. El Ahmadi, M. Mahmoud, G. Peterson, and D. Rosenow. 2001. Sorghums of the Sudan: Importance and diversity. Annual American Society of Agronomy Abstracts. CD-ROM. October 21-25, 2001. Charlotte, NC.
- Grote, E.M., M. Tuinstra, G. Ejeta, P. Goldsbrough, and W.E. Nyquist. 1994. QTL \times Environment interaction for combining ability of sorghum RL lines. *Agron. Abst.* p. 124.
- Grote, E., G. Ejeta, D.T. Rosenow and W.E. Nyquist. 1992. Genetic variation and yield stability among sorghum inbred lines derived from a single cross. *Agron. Abst.* p. 98.
- Grote, E.M., G. Ejeta and D. Rhodes. 1991. Genetic control of glycinebetaine in sorghum. *Agron. Abst.* p. 96.
- Grote, E.M., W. Yang, G. Ejeta and D. Rhodes. 1991. Characterization of sorghum genotypes for glycinebetaine induction. p. 261. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Guevera, L.D., T.T. Bauman, J.D. Axtell and G. Ejeta. 1993. Herbicidal activity of primisulfuron and nicosulfuron on 232 sorghum genotypes. *WSSA* 32:13.
- Gunaratna, N. and G. Ejeta. 2000. Inheritance of seedling cold tolerance in sorghum. *Agronomy Abs.* p. 111.
- Hanna, W., I. Angarawai, A. Fofana, R. Gates, J. Gonda, S. Gupta, F. Muuka, B. Ouendeba, M. Sanogo, and J. Wilson. 2002. Grain and forage yields of population hybrids between West African pearl millet landraces. INTSORMIL PI Conference. November 18-20, 2002. Addis Ababa, Ethiopia.
- Hanna, W., I. Angarawai, A. Fofana, R. Gates, J. Gonda, S. Gupta, F. Muuka, B. Ouendeba, M. Sanogo, and J. Wilson. 2002. Performance of various cycles of population hybrids between West African pearl millet landraces. INTSORMIL PI Conference. November 18-20, 2002. Addis Ababa, Ethiopia.
- Hanna, W., I. Angarawai, J. Gonda, F. Muuka, B. Ouendeba, A. Fofana, M. Sanogo, And S.Gupta. 2002. Performance of pearl millet population hybrids in Africa and the USA. American Society of Agronomy Abstracts, 10-14 Nov. 2002, Indianapolis, Indiana.
- Hanna, W., A. Kumar, and K.N. Rai. 2002. Fertility restoration of diverse pearl millet cytoplasmic-nuclear male steriles by West African genotypes. Abstract in Proceedings of INTSORMIL PI Conference, 18-20 Nov. 2002, Addis Ababa, Ethiopia.
- Ibrahim, Y., G. Ejeta, and W.E. Nyquist. 1998. G \times E interaction analysis in sorghum using AMMI, *Agronomy Abstracts.* ASA, Madison, WI. p. 79.

- Ibrahim, I.G. Ejeta, And D. Rosenow. 1994. Stability of drought tolerant sorghum lines and hybrids. Agron. Abst. p. 123.
- Johnson, R.D., B. Siame, G. Ejeta and L.G. Butler. 1992. Phenolic profile and leaf disease reaction of tan and red isogenic sorghum lines. Agron. Abst. p. 101.
- Kumar, Anand and D.J. Andrews. 1991. Effect of photoperiod treatments on morphological traits and yield components in pearl millet. Agron. Abst. p. 85.
- Kebede, Y., E.M. Grote and G. Ejeta. 1991. Performance of sorghum inbreds under contrasting environments. Agron. Abst. p. 100.
- Khizzah, B.W., R.J. Newton, F.R. Miller, D.T. Rosenow and J.T. Cothorn. 1991. A Study of Some Physiological Components of Drought Resistance in Some Inbred Sorghum [*Sorghum bicolor* (L.) Moench] Lines and Progenies Subjected to Prolonged Water. p. 261. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Kiula, Barnabus, D. Andrews and J.F. Rajewski. 1991. The Use of Protogyny to Make Grain Hybrids in Pearl Millet. 1991. p. 262. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Lavelle, M.J., A.B. Onken and G.C. Peterson. 1987. Variation in nitrogen use efficiency among grain sorghum genotypes. Agron. Abst. p. 208
- Logan, Joanne, D.J. Andrews, C.A. Francis and R.E. Neild. 1986. The University of Nebraska Collaborative Winter Nursery Program in the Dominican Republic. Agron. Abst. p. 70.
- Luhanga, J.H. and C.H. Andrews. 1991. Polyphenol Levels in Sorghum as an Indicator of Resistance to Field Deterioration. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 278.
- Machado, S., E.D. Bynum, Jr., D.T. Rosenow, G.C. Peterson, T.L. Archer, R.J. Lascano, K. Bronson, E. Segarra, and L.T. Wilson. 1999. Spatial variability of sorghum yield Site-specific interactions of soil, water, and pests. p. 13-14. *In*: Proc. of 21st Biennial Grain Sorghum Research and Utilization Conference. Feb. 21-23, 1999, Tucson, AZ.
- Maciel, G.A., P.J. Bramel-Cox, M.D. Witt, M.M. Claassen and D.J. Andrews. 1994. The impact of selection environment and per se performance on adaptation of a grain sorghum population. Agron. Abst. 120.
- Manthe, C.S., G.L. Teetes, G.C. Peterson and K. Leuschner. 1991. Sorghum resistance to the sugarcane aphid in Southern Africa. p. 268. *In* Proc. International Sorghum Millet CRSP Conference. July 8-12, 1991. Corpus Christi, TX.
- Marinesco, O., C. Chungu, P.J. Bramel-Cox, E. Igartua, D.J. Andrews and M.D. Witt. 1992. Comparison of the effectiveness of different types of testers to identify parent lines for improved hybrids in grain sorghum. Agron. Abst. 105.
- Melake-Berhan, A., G. Ejeta and L.G. Butler. 1991. Selection for grain mold resistance in sorghum. Agron. Abst. p. 86.
- Menkir, A., A.M. Berhan, L. Butler, H. Warren, and G. Ejeta. 1994. Grain mold resistance in sorghum. Agron. Abst. p. 123.

Breeding

- Mickelbart, M., R. Jolly, D. Rhodes, P. Goldsbrough, and G. Ejeta. 1999. Development of near-isogenic lines of sorghum accumulating different concentration of glycinebetain. *Plant Phys. Abst.* p. 120.
- Mkhabela, M.S., D.T. Rosenow and H.T. Nguyen. 1993. Phenotypic variance component analysis of the stay-green trait in grain sorghum. *Agron. Abst.* p. 94.
- Mohamed, A., A. Ellicott, T. L. Housley and G. Ejeta. 2002. Hypersensitive response to striga infection in sorghum. INTSORMIL Int. Principal Investigators Conference, Addis Ababa, Ethiopia.
- M'Ragwa, L.R.F., C.E. Watson, and L.M. Gourley. 1994. Effects of selection for seedling root length and coleoptile length on yield components in pearl millet. November 13-18, 1994. Seattle, WA. *Agron. Abst.* p. 112.
- M'Ragwa, L.R.F., C.E. Watson and L.M. Gourley. 1993. Effects of selection for seedling root length and coleoptile length on field seedling emergence and shoot height in pearl millet. *Agron. Abst.* p. 95.
- Muza, F.R., S.C. Gupta, D.J. Lee and D.J. Andrews. 1991. Use of Mutagens to Induce Variability in Finger Miller. p. 262. *Proc. International Sorghum and Millet CRSP Conference.* Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Nyquist, W.E., E.M. Grote, and G. Ejeta. 1994. Combining ability of sorghum RI lines derived from crosses between two drought tolerant parents. *Agron. Abst.* p. 124.
- Ombakho, G.A. and F.R. Miller. 1991. Comparative Performance of Single, Three-Way and Double-Cross Sorghum Hybrids in A1 and A2 Cytoplasm. p. 262. *Proc. International Sorghum and Millet CRSP Conference.* Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Onken, A.B., G.C. Peterson, M.D. Doumbia, A.A. Sow and D.T. Rosenow. 1991. Interaction effects of sorghum genotype, water level and nutrient level. p. 263. *In Proc. International Sorghum Millet CRSP Conference.* Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Ortegon, J., L.M. Gourley, C.E. Watson, Jr. and N. Zummo. 1993. Pathogenicity of *Fusarium moniliforme* on sorghum genotypes in aluminum supplemented low pH nutrient culture. *Agron. Abst.* p. 96.
- Ouendeba, B., G. Ejeta, W.W. Hanna and A.K. Kumar. 1991. Genetic variation among pearl millet landrace populations from West Africa. p. 263. *Proc. International Sorghum and Millet CRSP Conference.* Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Ouendeba, B., G. Ejeta, W.W. Hanna and A.K. Kumar. 1991. Heterotic patterns among African pearl millet landraces. p. 263. *Proc. International Sorghum and Millet CRSP Conference.* Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Ouendeba, B., G. Ejeta, W.W. Hanna and A.K. Kumar. 1991. Heterosis and combining ability among African pearl millet landraces. *Agron. Abst.* p. 109.
- Ouendeba, B., G. Ejeta, W.W. Hanna and A.K. Kumar. 1991. Characterization of African pearl millet landraces. *Am Soc. of Agronomy. Southern Branch.* Feb. 2-6, 1990. *Abst.* p. 12.
- Peters, P.J. and J.D. Axtell. 1993. Characterization and drought reaction of epicuticular wax mutants in *Sorghum bicolor*. *Agron. Abst.* p. 98.

- Peters, P.J., J.D. Axtell and S.E. Wyatt. 1992. Association of epicuticular wax with disease resistance in *Sorghum bicolor*. Agron. Abst. p. 110.
- Peters, Paul J., J.D. Axtell, P.J. Rich, M.A. Jenks, Y. Kebede and S.E. Wyatt. 1991. Genetic and Morphological Characterization of Epicuticular Wax Mutants. p. 264. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Peterson, G.C., G.L. Teetes, B.B. Pendleton and R.M. Anderson. 1998. Yield of sorghum midge-resistant hybrids, 1997. Annual Plant Resistance to Insects Newsletter 24:50-51.
- Peterson, G.C., J.W. Jones, G.L. Teetes, B.B. Pendleton, and R.M. Anderson. 1998. Grain yield of sorghum midge-resistant sorghum hybrids, 1997. Arthropod Management Tests 23:382.
- Peterson, G. C., G. L. Teetes, J. W. Jones, R. M. Anderson, B. B. Pendleton, and K. Schaefer. 1997. Release of sorghum inbred lines resistant to sorghum midge. International Sorghum and Millets Newsletter 38:37-38.
- Peterson, G. C., G. L. Teetes, J. W. Jones, R. M. Anderson, B. B. Pendleton, and K. Schaefer. 1997. Sorghum inbred lines resistant to sorghum midge. Annual Plant Resistance to Insects Newsletter 23:36-37.
- Peterson, G.C., D.T. Rosenow, D. Pietsch, C.A. Woodfin, and J.W. Jones. 1995. Analysis of sorghum performance data using randomized complete block versus nearest neighbor analysis. Proc. of the 19th Biennial Grain Sorghum Research and Utilization Conference. March 5-7, 1995. Lubbock, TX. p. 48.
- Peterson, G.C., D.T. Rosenow, J.A. Dahlberg, G. Ejeta, M.A. Mahmoud, and O.I. Ibrahim. 1995. Unique sorghums from Sudan. St. Louis, MO. Agron. Abst. p. 183.
- Peterson, G.C., J. Dahlberg, D.K. Mulitze, D.T. Rosenow, and F.R. Miller. 1994. Multi-location nearest neighbor analysis of sorghum data using AGROBASE/4TM. Agro. Abst. 192.
- Peterson, G.C., J. Dahlberg, D.K. Mulitze, D.T. Rosenow, and F.R. Miller. 1994. Comparison of nearest neighbor analysis vs. randomized complete block analysis for grain sorghum performance trials. Nov. 13-18, 1994, Seattle, WA. Agron. Abst. p. 223.
- Peterson, G.C. 1993. Sources of midge resistance of selected converted exotic sorghum cultivars. p. 37. 18th Biennial Grain Sorghum Research and Utilization Conference. Feb. 28-March 2, 1993. Lubbock, TX.
- Peterson, G.C., J. Dahlberg, D.K. Mulitze, D.T. Rosenow and F.R. Miller. 1993. Multi-location nearest neighbor analysis of sorghum data using AGROBASE/4TM. Agron. Abst. p. 192.
- Peterson, G.C. 1992. Characterization of converted exotic sorghum cultivars for resistance to sorghum midge. Agron. Abst. p. 204.
- Peterson, G.C. 1991. Yield of sorghum midge resistant hybrids in the presence and absence of the pest insect. p. 46. 17th Biennial Grain Sorghum Research and Utilization Conference. Feb. 17-20, 1991. Lubbock, TX.
- Peterson, G.C. 1990. Comparison of sorghum midge resistant and susceptible hybrids. Agron. Abst. p. 104.
- Peterson, G.C. and A.B. Onken. 1988. Response of converted exotic sorghum cultivars to iron chlorosis. Agron. Abst. p. 91-92.
- Peterson, G.C. 1989. Genetic improvement in grain sorghum resistant to insects. p. 230. Sixteenth Biennial Grain Sorghum Research and Utilization Conference. Feb. 19-22, 1989. Lubbock, TX.

Breeding

- Peterson, G.C. and A.B. Onken. 1989. Correlation of chlorophyll content and iron deficiency chlorosis in grain sorghum. *Agron. Abst.* p. 95.
- Rai, K.N. and D.J. Andrews. 1987. Yield potential of dwarf pearl millet composites. *Agron. Abst.* p. 76.
- Rajewski, J.F., D.J. Andrews, G.W. Burton, G.J. Cuomo, D.L. Klinkebiel, and W.D. Stegmeier. 1998. Photoperiod sensitive pearl millet forage hybrids utilizing dwarf grain. *Agron. Abstr.* p. 81.
- Rajewski, J.F. and D.J. Andrews. 1998. Pearl millet grain hybrid response to early and mid season defoliation. *Agron. Abstr.* p. 82.
- Rajewski, J.F. and D.J. Andrews. 1994. Characterization and utility of a dwarf grain pearl millet A4 restorer population (NPM-3) using testcrosses with A1 and A4 cytoplasm. *Agron. Abst.* p. 115.
- Rajewski, J.F. and D.J. Andrews. 1993. Relative performance of dwarf grain pearl millet populations and their top crosses with an inbred tester. *Agron. Abst.* 99.
- Rajewski, J.F. and D.J. Andrews. 1992. Chinch bug tolerance in pearl millet and its relationship to grain yield, lodging and maturity. *Agron. Abst.* 111.
- Rajewski, J.F., D.J. Andrews and F.R. Muza. 1991. Grain yield and total grain nitrogen of pearl millet single-cross and topdress hybrids. *Agron. Abst.* p. 112.
- Rajewski, J.F., D.J. Andrews and L.A. Pavlish. 1990. Yield performance relationships of pearl millet S_1 families at normal and low plant densities. *Agron. Abst.* p. 105.
- Rosenow, D.T., N. Teme, G.C. Peterson, C.A. Woodfin, and G.N. Odvody. 2001. Association of stay green with lodging and charcoal rot. Pp. 91-92. *In Proc. 22nd Biennial Grain Sorghum Research and Utilization Conference*, February 18-20, 2001. Nashville, Tennessee.
- Rosenow, D.T., J.A. Dahlberg, L.E. Clark, and G.C. Peterson. 1998. Sorghum conversion program. p. 671-672. *In Rosenow et al (eds). Proc. of International Conference on the Genetic Improvement of Sorghum and Pearl Millet*. Lubbock, TX. Sep. 22-27, 1996. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Rosenow, D.T., C.A. Woodfin, L.E. Clark, and J.W. Sij. 1999. Drought resistance in exotic sorghums. *Agronomy Abs.* p. 166.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson, S.B. Coulibaly, A. Toure, H.F.W. Rattunde, and J.C. Chanterreau. 1998. Characterization of the Mali sorghum collection. Oct. 18-22, 1998. Baltimore, MD. *Agron. Abstr.* p. 163.
- Rosenow, D.T., C.A. Woodfin, K. Schaefer, and L.E. Clark. 1997. Performance of stay green sorghum hybrids under post-flowering soil moisture stress. *Agron. Abst.* p. 88.
- Rosenow, D.T., J.A. Dahlberg, G.C. Peterson and L.E. Clark. 1995. Conversion - An efficient technique to enhance use of exotic germplasm. Oct. 29-Nov. 3, 1995, St. Louis, MO. *Agron. Abst.* p. 183.
- Rosenow, D.T., C.A. Woodfin, G. Gebeyehu, M.S. Beder, A.N. McCosker, and H.T. Nguyen. 1994. Evaluation of parental sorghum lines for stay green in F_1 hybrids. *Agron. Abst.* p. 130.

- Rosenow, D.T., H.T. Nguyen, C.T. Gorman and L.E. Clark. 1993. Evaluation of exotic sorghums for drought resistance. Agron. Abst. p. 193.
- Rosenow, D.T., L.E. Clark, F.R. Miller and G.C. Peterson. 1989. Utilizing exotic sorghum germplasm through genetic conversion. Agron. Abst. p. 97.
- Santini, J.B., A. Shaner, D. Koller, W.E. Nyquist and G. Ejeta. 1994. The accuracy of visual estimates vs. the average of individual plant measurements in segregating materials in sorghum. Agron. Abst. p. 116.
- Setimela, P.S. and D.J. Andrews. 1999. Genetic studies on sorghum seedling tolerance to heat stress. Agron. Abstr. p. 74.
- Siame, B., G. Ejeta and L.G. Butler. 1993. Phenolic composition of tan and red isogenic sorghum genotypes and their reaction to leaf diseases. Proc. Symp. on Natural Phenols in Plant Resistance. Int. Soc. of Hort. Science. Sept. 13-17. Freising, Germany. Abst. #1-29.
- Stegmeier, W.D., R.L. Vanderlip and D.J. Andrews. 1991. The development of pearl millet as a food and feed grain crop for the Central Great Plains. Agron. Abst. p. 161.
- Teetes, G.L., G.C. Peterson, R.M. Anderson, K. Schaefer, and J.W. Jones. 1998. Sorghum midge-resistant hybrids for the 21st century. p. 677. In Rosenow et al (eds). Proc. of International Conference on the Genetic Improvement of Sorghum and Pearl Millet. Lubbock, TX. Sep. 22-27, 1996. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Tenkouano, A., F.R. Miller, G.E. Hart, R.A. Frederiksen and R.L. Nicholson. 1992. Developmental characteristics of phytoalexin synthesis and inheritance of anthracnose resistance in sorghum. Agron. Abst. p. 116.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, D.T. Rosenow and J.T. Cothren. 1991. Sugar Partitioning and Resistance to Charcoal Rot in Sorghum. p. 265. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Tiraki, I. and D.J. Andrews. 1999. Methods for measuring germination and seedling cold tolerance in sorghum. Agron. Abstr. p. 199.
- Toure, A., F.R. Miller, L.W. Rooney and C. McDonough. 1991. Grain Filling Rates in Some Genotypes of Sorghum [*Sorghum bicolor* (L.) Moench]. p. 266. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Tunistra, M., G. Ejeta, and P. Goldsbrough. 1994. Segregating inbred family (SIF) analysis: a novel approach to the genetic analysis of quantitative traits. Agron. Abst. 206.
- Vietor, D.M., L. Tarpley and F.R. Miller. 1993. Partitioning of C¹⁴ assimilate among sorghum leaf Carbohydrates and plant organs. Agron. Abst. p. 126.
- Vogler, R., G. Ejeta, K. Johnson, and J. Axtell. 1994. Characterization of a new brown midrib sorghum lines. Agron. Abst. p. 124.
- Vogler, R., G. Ejeta and L.G. Butler. 1991. Selecting Sorghum Genotypes for *Striga* Resistance Using an Agar Gel Assay. p. 266. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

Breeding

- Weerasuriya, Y., G. Ejeta and L.G. Butler. 1992. Production of host-derived developmental signals for witchweed. *Agron. Abst.* p. 118.
- Wilson, J.P., W.W. Hanna, M. Sanogo, J. Gonda, and I. Angarawai. 2002. Downy mildew incidence in pearl millet population hybrids in West Africa. INTSORMIL PI Conference. November 18-20, 2002. Addis Ababa, Ethiopia.
- Wilson, J.P., W.W. Hanna, D.M. Wilson, and A.E. Coy. 2002. Host-specific differences in preharvest grain infection by toxigenic fungi in dryland pearl millet and corn. *Phytopathology* 92:S87.
- Wortman, C.S., J.D. Eastin and D.J. Andrews. 1987. The genetics and improvement of seedling cold tolerance in a grain sorghum population. *Agron. Abst.* p. 86.
- Xu, W.W., O.R. Crasta, D.T. Rosenow, J.M. Mullet and H.T., Nguyen. 1994. Tagging stay green and other drought resistance traits in sorghum with RFLP markers. *Agron. Abst.* p. 206.
- Yang, W.J., E.M. Grote, G. Ejeta and D. Rhodes. 1991. Glycinebetaine deficiency in sorghum. *Plant Physiol.* 96S:108.
- Zake, V.M., C.E. Watson, Jr., L.M. Gourley and R.B. Clark. 1993. Combining ability for leaf mineral content of sorghum on infertile, acid soils in Kenya. *Agron. Abst.* p. 106.
- Zavala-Garcia, F., P.J. Bramel-Cox, J.D. Eastin and D.J. Andrews. 1990. Stability analysis of S₁ population derived sorghum families. *Agron. Abst.* p. 117.
- Zurjevic, Z., D.M. Wilson, H.H. Casper, and J.P. Wilson. 2002. Fungal contaminants and mycotoxins on stored pearl millet grain. pg 473 in: Leslie, J.F. (Ed.) *Sorghum and Millets Diseases*. Iowa State Press, Ames, Iowa.
- Zurjevic, Z., D.M. Wilson, J.P. Wilson, G.C. Rains, D.M. Geiser, N. Widstrom. *Fusarium* species on Georgia corn and pearl millet and its relation with fumonisin production. *Phytopathology* 93:S42.

Breeding

Economics



Journal Articles

- Adesina, A.A. and J.H. Sanders. 1991. Small Farmer Behavior and Cereal Technology Adoption: A Stochastic Programming Approach in Niger. *Agricultural Economics* 5(1):21-38.
- Adesina, A.A., P.C. Abbott and J.H. Sanders. 1988. Ex-Ante Risk Programming Appraisal of New Agricultural Technology: Experiment Station Fertilizer Recommendations in Southern Niger. *Agricultural Systems* 27:23-34.
- Ahmed, M.M., J.H. Sanders, and W.T. Nell, 2000. New sorghum and millet cultivar introduction in Sub-Saharan Africa: impacts and research agenda. *Agricultural Systems* 64(1):55-65.
- Coulibaly, Ousmane N., Jeffrey D. Vitale, and John H. Sanders. 1998. Expected effects of devaluation on cereal production in the Sudanian region of Mali. *Agricultural Systems* 75(4):489-503.
- Deuson, Robert R. and John H. Sanders. 1990. Cereal Technology Development in the Sahel: Burkina Faso and Niger. (Viewpoint). *Land Use Policy* 7(3):195-197.
- Lawrence, Pareena G., John H. Sanders, and Sunder Ramaswamy, 1999. The Impact of Agricultural and Household Technologies on Women: A Conceptual Analysis in Burkina Faso. *Agricultural Economics* 20:203-214.
- Lilja, Nina, and John H. Sanders, 1998. Welfare impacts of technological change on women in Mali. *Agricultural Economics* 19(1-2):73-79.
- López-Pereira, M.A. J.H. Sanders, T. Baker, and P.V. Preckel. 1994. Economics of erosion control and seed: fertilizer technologies for hillside farming in Honduras. *Agric. Economics* 11:271-288.
- Lopez-Pereira, M.A. and J.H. Sanders. 1992. Market Factors, Government Policies and Adoption of New Technology by Small Honduran Farmers: A Stochastic Programming Application. *Quarterly Journal of International Agriculture* 31(1):55-73.
- Lopez-Pereira, M.A., T.G. Baker, J.H. Sanders, and D.H. Meckenstock. 1990. "Farming Systems and Adoption of New Agricultural Technologies: An Economic Evaluation of New Sorghum Cultivars in Southern Honduras," *Journal of Farming Systems Research-Extension* 1(2):81-103.
- M.Ahmed, Mohamed, and John H. Sanders. 1998. Shifting from extensive to intensive agricultural systems: A case study in the Sudan. *Agricultural Systems* 58(2):253-268.
- M. Ahmed, Mohamed, William A. Masters, and John H. Sanders. 1995. Returns from research in economies with policy distortions: Hybrid sorghum in Sudan. *Agricultural Economics* 12(2):183-192.
- McMillan, D.E., J.H. Sanders, Dolores Koenig, Kofi Akwabi-Ameyaw and Thomas Painter. 1998. Agricultural performance of new lands settlement in West Africa. *World Development* 26(2):187-211.
- Nagy, Joseph G., John H. Sanders and Herbert W. Ohm. 1988. Cereal Technology Interventions for the West African Semi-arid Tropics. *Agricultural Economics* 2:179-208.
- Nagy, J.G. and J.H. Sanders. 1990. Agricultural Technology Development and Dissemination within a Farming Systems Perspective. *Agricultural Systems* 32(4):305-320.

- Nichola, Tennassie, and John H. Sanders. 1997. The seed industry and the diffusion of a sorghum hybrid in Sudan. *Science, Technology, and Development* 15(2&3):259-271.
- Nichola, Tennassie, and John H. Sanders. 1996. A probit analysis of adoption when inputs are rationed: The Gezira experience with hybrid sorghum. *Science, Technology, and Development* 14(3):107-119.
- Ramaswamy, S. and J.H. Sanders. 1992. Population Pressure, Land Degradation and Sustainable Agricultural Technologies in the Sahel. *Agricultural Systems* 40(4):361-378.
- Roth, Michael J., Philip C. Abbott, and Paul V. Preckel. 1991. "Evaluating Agricultural Price Policy Under Dual Market Regimes and Institutional Constraints," *Journal of Development Economics* 34(1):179-197.
- Roth, Michael J. and Philip C. Abbott. 1990. Agricultural Price Policy, Food Aid, and Input Subsidy Reforms in Burkina Faso. *Journal of Agricultural Economics* 40(3):327-345.
- Sanders, John H., Barry I. Shapiro, and Sunder Ramaswamy, 1998. A strategy for technology development for semiarid Sub-Saharan Africa. *Outlook on Agriculture* 27(3):157-161.
- Sanders, J.H., J. Nagy and S. Ramaswamy. 1990. Developing New Agricultural Technology for the Sahelian Countries: The Burkina Faso Case. *Economic Development and Cultural Change*. 39:1-22.
- Sanders, John H. 1989. Agricultural Research and New Technology Introduction in Burkina Faso and Niger. *Agricultural Systems* 30:139-154.
- Savadogo, K. and J.A. Brandt. 1988 Household Food Demand in Burkina Faso: Implications for Food Policy. *Agricultural Economics* 2:345-364.
- Shapiro, Barry I. and John H. Sanders. 1998. Fertilizer use in semiarid West Africa: Profitability and supporting policy. *Agricultural Systems* 56(4):467-482.
- Shapiro, B.I., J.H. Sanders, K.C. Reddy and T.G. Baker. 1993. Evaluating and Adapting New Technologies in a High-Risk Agricultural System - Niger. *Agricultural Systems* 42(1-2):153-171.
- Southgate, D., J.H. Sanders and S. Ehui. 1990. Resource Degradation in Africa and Latin America: Population Pressure, Policies, and Property Arrangements. *American Journal of Agricultural Economics*. 72(5):1259-1263.

Book, Book Chapters and Proceedings

- Abdoulaye, Tahirou, and J.H. Sanders. 2002. "Farm-Level Profitability and Evolution of Input-Output Markets: Economic Perspective." In Proceedings, *West African Hybrid Sorghum and Pearl Millet Seed Workshop*, Sept. 28 - Oct. 2, 1998, Niamey, Niger. Lincoln, NE: INTSORMIL, Publication No. 0202, April 2002.
- Abdoulaye, Tahirou and J.H. Sanders. 2002. Farm-Level Profitability and Evolution of Input-Output Markets: Economic Perspective. *In*. Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. p. 171-178. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Ahmed, Mohamed M., John H. Sanders, and Wilhelm T. Nell. 2001. "New Sorghum and Millet Cultivar Introduction in Sub-Saharan Africa: Impacts and Policy Implications." *In*.: I. Akintayo and J. Sedego

- (eds.), *Towards Sustainable Sorghum Production, Utilization, and Commercialization in West Central Africa*, proceedings of a technical workshop of the West and Central Africa Sorghum Research Network, p. 283-295. Bamako, Mali: ICRISAT.
- Ahmed, Mohamed A/Wahab M. and John H. Sanders. 1992. The economic impacts of Hageen Dura-1 in the Gezira Scheme, Sudan. p. 73-84. *In.* T. Schilling and D. Stoner (eds.). Proc. International Sorghum and Millet CRSP Conference, July 8-12, 1991, Corpus Christi, TX. Lincoln, NE. INTSORMIL Publication No. 92-1.
- Avery, Dennis T. 1997. Agricultural research and extension: The only way to feed the world *and* save its wildlife for all time. p. 622-636. *In.* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Buckner, Paul. 2002.. Role of the Government of Niger in the initiation of a seed industry. *In.* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. pp.200-202. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Chopra, Kuldip R. and Rakesh Chopra. 2002. Credit/Loans/Banks serving rural users in India. *In.* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. p. 203-210. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Condon, M.S. and J.A. Dahlberg. 2002. Public-private partnerships in international agricultural research: A case for promoting technology transfer and enhancing global trade in sorghum and millet. p. 339-342. *In.* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Deuson, R.R. and J.H. Sanders. 1990. Technology development and agricultural policy in the Sahel — Burkina Faso and Niger, in P.W. Unger, W.R. Jordan, T.V. Sneed and R.W. Jensen (eds.), *Challenges in Dryland Agriculture — A Global Perspective*. p. 610-613. Proc. International Conference on Dryland Farming, August 15-18, 1988, Amarillo, TX.
- Frederiksen, R.A. and J.M. Yohe. 2002. Changing paradigms in the design and implementation of collaborative research. p. 343-348. *In.* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Johnson, M.A. 2002. Private sector and public institution interactions on sorghum and pearl millet disease management. p. 349-350. *In.* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Joshua, A. 2002.. Constraints and suggested solutions in the West African seed sector. *In.* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. p. 191-199. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- King, S.B. and N.F. Nwanze. 1997. International research perspective. p. 613-621. *In.* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Lee, John G., Douglas D. Southgate, and John H. Sanders. 1997. Methods of economic assessment of on-site and off-site costs of soil degradation. *In.* Rattan Lal, W.H. Blum, and C. Valentin (eds.), *Methods of Assessment of Soil Degradation*, p. 475-494. Boca Raton, FL: CRC Press.

- Lilja, Nina, John H. Sanders, Catherine A. Durham, Hugo De Groote, and Issiaka Dembélé. 1996. Factors influencing the payments to women in Malian agriculture. *American Journal of Agricultural Economics* 78(5):1340-1345.
- López-Pereira, Miguel A., David Gonzalez-Rey and John H. Sanders. 1992. The impacts of new sorghum cultivars and other associated technologies in Honduras. p. 85-96. *In.* T. Schilling and D. Stoner (eds.) Proc. International Sorghum and Millet CRSP Conference, July 8-12, 1991, Corpus Christi, TX. Lincoln, NE: INTSORMIL Management Entity Office, University of Nebraska, Publication No. 92-1:
- Lopez-Pereira, M.A., J.H. Sanders, F. Gomez and D.H. Meckenstock. 1989b. Economic budgets as basis for evaluating new agricultural technologies in Honduras: The case of new sorghum technologies (In. Spanish) p. 1345-1360. *In.* Proc. 35th annual PCCMCA. Vol. 4 San Pedro Sula. Honduras. April 3-7, 1991. Ministry of Natural Resources, Tegucigalpa, Honduras.
- Lovejoy, Stephen B., and John H. Sanders. 1994. Resource degradation and new technologies: Success in West Africa. Ch. 11 in Ted L. Napier, Silvana M. Camboni, and Samir A. El-Swaify (eds.), *Adopting Conservation on the Farm: An International Perspective on the Socioeconomic of Soil and Water Conservation*, proceedings of an international conference, Honolulu, HI, Oct. 1993. Ankeny, IA: Soil and Water Conservation Society, p. 133-142.
- Mahalakshmi, V. B.V.S. Reddy, R. Bandyopadhyay, H.C. Sharma, N.K. Rao and R. Ortiz. 2002. Sorghum on-line crop information. p. 321-326. *In.* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Mouddour, Ismael. 2002. Role of the Public and Private Sectors in Seed Production. *In.* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. p. 189-190. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Nagy, J.G., J.H. Sanders, H.G. Ohm and L.L. Ames. 1988. Technology development to increase cereal production in the west African semi-arid tropics. p. 613-632. *In.* J.M. Menyonga, T. Bezuneh and A. Youdeowei (eds.), *Food Grain Production in Semi-Arid Africa*. Essex, UK: Fourth Dimension Printing Services.
- Ortiz, R. 2002. Examples of ICRISAT's research and development partnerships in sorghum and millet improvement. p. 351-364. *In.* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Sanders, J. H. and B. I. Shapiro, 2003. "Crop Technology Introduction in Semiarid West Africa: Performance and Future Strategy." In Anil Shrestha (ed.), *Cropping Systems: Trends and Advances*. Binghamton, NY: Haworth Press, Inc.
- Sanders, John H., and Mohamed Ahmed. 2001. Developing a Fertilizer Strategy for Sub-Saharan Africa, Ch. 16. *In.* *Sustainability of Agricultural Systems in Transition*, ASA Special Publication No. 64. p. 173-184, Madison, WI: American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America.
- Sanders, John H., 2001. "Another World Food Scare?" Review of John Manning, *Food's Frontier: The Next Green Revolution*. North Point, NY: Farrar, Straus and Giroux. *Science* 291:1707-1708.
- Sanders, John H. 2000. The economic potential of the agricultural sector in the Sahel. *In.* *Energy Supply, Economic Pillars of Rural Sahelian Communities, Need for Revised Development Strategies*, proceedings, 12th Danish Sahel Workshop, Jan. 3-5, Hanne Adriansen, Anette Reenberg, and Ivan Nielsen (eds.).

- Copenhagen, Denmark: SERIEN (Sahel-Sudan Environmental Research Initiative), Occasional paper No. 11, p. 39-51.
- Sanders, John H. and Jeffrey D. Vitale. 1999. Developing technology for Agriculture in Sub-Saharan Africa: evolution of ideas and some critical questions. In *Farm and Farmer Organization for Sustainable Agriculture for Africa*, proceedings of fourth biennial conference of the University of Stellenbosch, South Africa, p. 102-115, Johann Laubscher (ed.) Harare, Zimbabwe, African Farm Management Association (AFMA).
- Sanders, John H., 1999. Availability and Adoption of Improved Technologies in the Semiarid and Subhumid Zones of West Africa. In *Linking Soil Fertility Management to Agricultural Input and Output Market Development: The Key to Sustainable Agriculture in West Africa*, Miscellaneous Fertilizer Studies No. 16, p. 61-72. Siegfried K. Debrah and Willem G. Koster (eds.). Lomé, Togo: IFDC.
- Sanders, John H., and Jeffrey D. Vitale, 1999. Structural Adjustment and Technological Change in West African Cereal Production. In *Linking Soil Fertility Management to Agricultural Input and Output Market Development: The Key to Sustainable Agriculture in West Africa*, Miscellaneous Fertilizer Studies No. 16, p. 110-121. Siegfried K. Debrah and Willem G. Koster (eds.). Lomé, Togo: IFDC.
- Sanders, John H and Jeffrey D. Vitale. 1998. Technology development for traditional cereals in the Sahelian Countries. In: *Towards Sustainable Farming Systems in Sub-Saharan Africa*. Taye Bezuneh, S. Ouedraogo, J.M. Nenyonga, J.-D. Zongo, and M. Ouedraogo (eds.), pp 253-263. Scientific papers presented at the Second International Symposium of the African Association of Farming Systems Research, Extension, and Training held in Ouagadougou, Burkina Faso, Aug. 1996, Ouagadougou, Burkina Faso: AAFSRET Secretariat and OAU/STRC-SAFGRAD.
- Sanders, J. and J. Vitale. 1998. Institutional and economic aspects of fertiliser use in West Africa: Experiences and perspectives, keynote address, p. 407-416. In: Geneviève Renard, Andreas Neef, Klaus Becker, and Matthias von Oppen (Eds.), *Soil Fertility Management in West African Land Use Systems*, proceedings of regional workshop, Niamey, Niger, Mar. 4-8, 1997, sponsored by University of Hohenheim, ICRISAT Sahelian Centre, and INRAN. Weikersheim, Germany: Margraf Verlag.
- Sanders, John H., Sunder Ramaswamy and Barry I. Shapiro. 1997. Technology development for semiarid Sub-Saharan Africa: Theory, performance and constraints. In: Taye Bezuneh, A.M. Emechebe, J. Sedgo and M. Ouedraogo (Eds.), *Technology Options for Sustainable Agriculture in Sub-Saharan Africa*, p. 19-27. Ouagadougou, Burkina Faso: OAU/STRC-SAFGRAD, Semiarid Food Grain Research and Development.
- Sanders, John H., Sunder Ramaswamy and Barry I. Shapiro. 1997. Technology development for semiarid Sub-Saharan Africa: Theory, performance and constraints. In: Roger Rose, Carolyn Tanner and Margot A. Bellamy (Eds.), *Issues in Agricultural Competitiveness: Markets and Policies*, IAAE Occasional Paper No. 7, p. 415-424. Brookfield, VT: Ashgate Publishing Co.
- Sanders, John H., Barry I. Shapiro, and Sunder Ramaswamy. 1996. *The economics of agricultural technology in semiarid sub-Saharan Africa*. Johns Hopkins University Press, Baltimore, MD. 303 p.
- Sanders, John H. 1994. Agricultural development. In: V.W. Ruttan (ed.), *Health and Sustainable Agricultural Development: Perspectives on Growth and Constraints*. Boulder, CO: Westview Press, p. 107-114.
- Sanders, John H. and Jtao Carlos Garcia. 1994. The economics of stress and technology development in the Sahel and the "cerrados" of Brazil. p. 28-50. In: Maranville, J.W., V.C. Baligar, R.R. Duncan and J.M.

- Yohe (eds.), proceedings, Workshop on Adaptation of Plants to Soil Stresses, August 1993. Lincoln, NE: University of Nebraska, INTSORMIL Publication 94-2.
- Sanders, John H. and Sunder Ramaswamy. 1993. Impacts of new technology in Burkina Faso and the Sudan: Implications for future technology design. p. 244-265. *In*. Coughenour, C. Milton (ed.) proceedings, Workshop on Social Science Research and the CRSPs, June 9-11, 1992. Lincoln, NE: INTSORMIL Publication 93-3.
- Sanders, J.H. and Barry Shapiro. 1986. Agricultural technology development in Burkina Faso. p. 95-97. Chapter 12. *In*. Y. Moses (ed.), proceedings, African Agricultural Development: Technology, Ecology, and Society. Pomona, CA: California State Polytechnic University.
- Sanders, J.H. and M. Roth. 1985. The development and evaluation of new systems of agricultural production: Some field and model results from Burkina Faso for tied ridges and fertilization. p. 326-37. *In*. H.W. Ohm and J.G. Nagy (eds.), *Appropriate Technologies for Farmers in Semi-Arid West Africa*, West Lafayette, Indiana: Purdue University.
- Sawyer, Richard L. 1994. Administrative overview on solving the problem: Coordination, collaboration and funding on a global basis. p. 331-340. *In*. Proceedings of a Workshop on Adaptation of Plants to Soil Stresses, August 1-4, 1993, Lincoln, NE. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 94-2.
- Shapiro, Barry I., and John H. Sanders. 2002. "Natural-Resource Technologies for Semiarid Regions of Sub-Saharan Africa." *In* Christopher B. Barrett, Frank M. Place, and Abdillahi Aboud (eds.), *Natural Resources Management in African Agriculture: Understanding and Improving Current Practice*, pp. 261-274. Tucson, AZ: CAB International of North America.
- Shapiro, Barry I., and John H. Sanders. 2002. "Natural-Resource Technologies for Semiarid Regions of Sub-Saharan Africa.", p. 261-274. Ch. 20 *in*: C.B. Barrett, F. Place, and A.A. (eds.), *Natural Resources Management in African Agriculture: Understanding and Improving Current Practices*. New York, NY: CABI Publishing.
- Shapiro, B.I. and J.H. Sanders. 1998. Fertiliser use and supportive policy in semiarid West Africa. p. 425-429. *In*. GeneviPve Renard, Andreas Neef, Klaus Becker, and Matthias von Oppen (Eds.), *Soil Fertility Management in West African Land Use Systems*, proceedings of regional workshop, Niamey, Niger, Mar. 4-8, 1997, sponsored by University of Hohenheim, ICRISAT Sahelian Centre, and INRAN. Weikersheim, Germany: Margraf Verlag.
- Shapiro, Barry I., Ousmane Coulibaly and John H. Sanders. 1992. Farm-level potential of sorghum/millet research in semi-arid West Africa. p. 61-72. *In*. T. Schilling and D. Stoner (eds.), proceedings, International Sorghum and Millet CRSP Conference, July 8-12, 1991, Corpus Christi, TX. Lincoln, NE: INTSORMIL Publication No. 92-1.
- Yohe, J.M. and R.A. Frederiksen. 1995. Developing interdisciplinary research in a collaborative context. p.307-319. *In*. J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Yohe, J.M., P. Barnes-McConnell, H.S. Egna, J. Rowntree, J. Oxley, R.G. Hanson, D. Cummins, and A. Kirksey. 1995. The CRSPs: International Collaborative Research Programs. p. 321-338 *In*. J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.

Dissertation and Theses

M.S. Degrees

- Abdooulaye, Tahirou. Dec. 1995. Impact of opportunity cost on adoption of new technologies in the Birni N’Konni Region of Niger. Unpublished M.S. thesis. West Lafayette, IN. Purdue University, Dept. of Agricultural Economics.
- Ahmed, Mohamed A/Wahab M. 1990. Economic evaluation of new sorghum production technologies and policy implications for northern Gedaref region of eastern Sudan. M.S. thesis. Purdue University, West Lafayette, IN.
- Coulibaly, Bakary. 1999. Effects of devaluation on food-consumption patterns in urban Bamako, Mali. M.S. thesis. Purdue University, Dept. of Agricultural Economics, West Lafayette, IN.
- Khalema, T.M. 1993. An estimation of the costs and benefits of developing a midge resistant sorghum hybrids. M.S. thesis. Texas Tech University.
- Makhwaje, Ernest. 1993. The economic analysis of the national tillage trials. M.S. thesis. Kansas State University, Manhattan, KS.
- Mazhangara, Edward P. 1993. The impact of new technologies on small holders in low-rainfall areas of Zimbabwe: A mathematical programming analysis. M.S. thesis. Purdue University, West Lafayette, IN.
- Moletsane, Nyakallo, 1991. Marketing system for food crops in Lesotho. M.S. thesis. Purdue University, West Lafayette, IN.
- Poley, Lisa D. 1995. Diversity of farming systems and the spread of new technology: Evidence from southern Mali. West Lafayette, IN: Purdue University, Dept. of Agricultural Economics.
- Wubeneh, Nega. “Farm-Level Adoption of New Sorghum Technologies in Tigray Region, Ethiopia,” M.Sc., Purdue University, Dept. of Agricultural Economics, May 2003.

Ph.D. Degrees

- Abdooulaye, Tahirou A., “Farm Level Analysis of Agricultural Technology Change: Inorganic Fertilizer Use on Dryland in Western Niger,” Ph.D., 2002.
- Adesina, Akin. 1988. Farmer behavior and new agricultural technologies in the rainfed agriculture in southern Niger: A stochastic programming analysis. Ph.D. diss. Purdue University, West Lafayette, IN
- Coulibaly, Ousmane N., 1995. Devaluation, new technologies, and agricultural policies in the Sudanian and Sudano-Guinean Zones of Mali, unpublished Ph.D. diss. West Lafayette, IN. Purdue University, Dept. of Agricultural Economics.
- Dalton, Timothy J. 1996. Soil degradation and technical change in southern Mali. Ph.D. diss. West Lafayette, IN: Purdue University, Dept. of Agricultural Economics.
- Habash, Mohamed K. 1990. Potential returns and constraints to the adoption of new technologies in the mechanized rainfed region (eastern vertisols) of the Sudan. Ph.D. dissertation. Purdue University, West Lafayette, IN.

- Gupta Lawrence, Pareena G. 1993. Household decision-making and introduction of new agricultural and household technologies in the Solenzo region of Burkina Faso. Ph.D. dissertation. Purdue University, West Lafayette, IN.
- Lilja, Nina K. 1996. Technological change in agriculture and the welfare of women in southern Mali. Ph.D. diss. West Lafayette, IN: Purdue University, Dept. of Agricultural Economics.
- López-Pereira, Miguel. 1990. Economics of sorghum and soil erosion control technologies for small hillside farms in southern Honduras. Ph.D. diss. Purdue University, West Lafayette, IN.
- M. Ahmed, Mohamed A., 1994. Introducing new technologies on the vertisols of eastern Sudan: a dynamic programming approach, unpublished Ph.D. diss. West Lafayette, IN. Purdue University, Dept. of Agricultural Economics.
- Malaza, Millicent T. 1994. The displacement of sorghum as a major staple food crop in Swaziland, and its implications for national food security. Ph.D. diss. Pennsylvania State University, University Park, PA.
- Mucavele, Firmino G. 1994. Efficiency analysis under risk and uncertainty for grain crops in Mozambique. Ph.D. diss. University of Florida, Gainesville, FL.
- Nichola, Tennassie. 1994. The adoption of hybrid sorghum at the farm and regional levels in the Gezira irrigated scheme of Sudan. Ph.D. diss. Purdue University, West Lafayette, IN.
- Ramaswamy, Sunder. 1991. Technological change, land-use patterns, and household-income distribution in the Sahel. Ph.D. diss. Purdue University, West Lafayette, IN.
- Salih, Ali. 1993. Sustainability and profitability of intensive cropping technologies on the dryland vertisols of Sudan: A simulation approach with EPIC. Ph.D. diss. Purdue University, West Lafayette, IN.
- Shapiro, Barry I. 1990. New technology adoption in two agricultural systems of the Niamey region of Niger. Ph.D. diss. Purdue University, West Lafayette, IN.
- Sidibé, Mamadou. 2000. A Farm Household Analysis of Technological Change and Structural Adjustment Policies in the Peanut Basin of Senegal. Ph.D. diss. Purdue University, West Lafayette, IN.,
- Vitale, Jeffrey D. 2001. The Economic Impacts of New Sorghum and Millet Technologies in Mali. Ph.D. diss. Purdue University, West Lafayette, IN.

Other Degrees

- Ricaurte, Jose Jaumer. 1992. Análisis agroecológico de arroz *Oryza sativa* L., maíz *Zea mays* L., sorgo *Sorghum bicolor* L. y soya *Glycine max* L. en suelos ácidos de baja fertilidad de los Llanos Orientales. B.S. thesis. University of Tolima, Tolima, Colombia.

Miscellaneous Publications

- Sanders, John. 2002. Agricultural development and poverty reduction in the Sahel. p. 33-50. *In*. Food Markets and Food Security in West Africa. Clemens Lutz (ed.). CDS Research Report No. 15. ISSN 1385-9218. Centre for Development Studies, The Netherlands.

- Sanders, John H. and Mohamed Ahmed. 1999. Developing a fertilizer strategy for Sub-Saharan Africa. World Vision Food Security Program Newsletter, Jan.-April, 11-16.
- Sanders, John H., and Ridley Nelson, 1999. Burkina Faso Agricultural Research Project and Agricultural Services Project, Performance Audit Report, World Bank, Operations Evaluation Dept., June 24.
- Sanders, John H. Douglas D. Southgate, and John G. Lee. 1995. The economics of soil degradation: Technological change and policy alternatives. SMSS Technical Monograph No. 22, USDA/Natural Resources Conservation Service, World Soil Resources, Washington, D.C. 82 p.

Abstracts

- Mucavele, Firmino Gabriel. 1991. The Grain Market System in Mozambique: The Case of Sorghum. p. 258. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

Entomology



Journal Articles

- Abid, H.S., S.D. Kindler, S.G. Jensen, M.A. Thomas-Compton, and S.M. Spomer. 1988. Isozyme characterization of sorghum aphid species and greenbug biotypes (*Homoptera:Aphididae*). *Annals of the Entomological Society of America*. 82:303-306.
- Archer, T.L., A.B. Onken, E.D. Bynum, Jr., and G.C. Peterson. 1989. Banks grass mite (*Oligonychus pratensis*) abundance on sorghum cultivars with different levels of nitrogen use and metabolism efficiency. *Exp. and Appl. Acarol.* 9:177-182.
- Archer, T.L., E.D. Bynum, Jr., and G.C. Peterson. 1986. Influence of sorghum maturity on abundance and damage potential of Banks grass mite, *Oligonychus pratensis* (Banks). *Experimental and Applied Acarology* 2:217-222.
- Asanga, C.T. and R.B. Mills. 1985. Changes in environment, grain quality, and insect populations in pearl millet stored in underground pits. *Underground Space* 9:316-321.
- Baxendale, F.P., G.L. Teetes, P.J.H. Sharpe and H. Wu. 1984. Temperature-dependent model for development of nondiapausing sorghum midge (*Diptera: Cecidomyiidae*) *Environ. Entomol.* 13:1572-1576.
- Baxendale, F.P., G.L. Teetes, and P.J.H. Sharpe. 1984. Temperature-dependent model for sorghum midge (*Diptera: Cecidomyiidae*) spring emergence. *Environ. Entomol.* 13:1566-1571.
- Boozaya-Angoon, D., K.J. Starks, D.E. Weibel, and G.L. Teetes. 1984. Inheritance or resistance in sorghum, *Sorghum bicolor*, to the sorghum midge, *Contarinia sorghicola* (*Diptera: Cecidomyiidae*). *Environ. Entomol.* 13:1531-1534.
- Breen, J.P. and G.L. Teetes. 1990. Economic injury levels for yellow sugarcane aphid (*Homoptera: Aphididae*) on seedling sorghum. *J. Econ. Entomol.* 83:1008-1014.
- Breen, J.P. and G.L. Teetes. 1986. Relationship of yellow sugarcane aphid (*Homoptera: Aphididae*) density to sorghum damage. *J. Econ. Entomol.* 79:1106-1110.
- Breen, J.P. and G.L. Teetes. 1986. Yellow sugarcane aphid (*Homoptera:Aphididae*) infestation duration effect on sorghum. *J. Econ. Entomol.* 79:1603-1605
- Brooks, G.W. and F.E. Gilstrap. 1986. Seasonal incidence and abundance of sorghum midge and associated parasites in johnsongrass. *Southwest Entomol.* 11:119-24.
- Brooks, G.W. and F.E. Gilstrap. 1985. Parasitism of sorghum midge in johnsongrass in major vegetational regions of Texas. *Southwest Entomol.* 10:171-5.
- Carrillo, M.A., H.N. Pitre and R.J. Cordero. 2002. Development and reproduction by *Metaponpneumata rogenhoferi* Moschler. *Trop. Agric.* 79(3): 1-5.
- Carrillo, M.A. and H.N. Pitre. 2002. Observations on diapause in *Metaponpneumata rogenhoferi*: Moschler in southern Honduras and notes on other lepidopterous species. *Ceiba.* 43(2): 2-10.
- Carillo, M.A. and H.N. itre. 2002 Observations on diapause in *Metaponpneumata rogenhoferi* Moschler in southern Honduras and notes on other lepidopterous species. *Ceiba.* 43:2-10.

- Castro, M.T., H.N. Pitre, D.H. Meckenstock, F. Gomez. 1998. Influence of slash and burn and slash and mulch practices on insect pests in intercropped sorghum and maize in southern Honduras. *Ceiba* 39(1):1-4.
- Castro, M. T., H. N. Pitre and D. H. Meckenstock. 1997. Fall armyworm, *Spodoptera frugiperda* (J. E. Smith) Lepidoptera: Noctuidae, development on Honduran landrace sorghums as a function of plant age. *Trop. Agric.* 74:77-80.
- Castro, M.T., H.N. Pitre and D.H. Meckenstock. 1996. Effect of intercropping sorghum and maize on Neotropical cornstalk borer, *Diatraea lineolata* (Lepidoptera:Pyralidae), in Honduras. *Ceiba* 37(2):267-271
- Castro, M.T., H.N. Pitre and D.H. Meckenstock. 1994. Fall armyworm and neotropical cornstalk borer on sorghum and maize intercropped with legumes in Honduras. *Turrialba*.44:77-86
- Castro, M.T., H.N. Pitre and D.H. Meckenstock. 1989. Populations of fall armyworm, *Spodoptera frugiperda* (J.E. Smith) larvae and associated natural enemies in sorghum and maize cropping systems in southern Honduras. *Tropical Agriculture*. 66:259-264.
- Castro, M.T. and H,N. Pitre. 1988. Development of fall armyworm, *Spodoptera frugiperda* (J. E. Smith) from Honduras and Mississippi on sorghum and corn in the laboratory. *Florida Entomol.* 71:49-56.
- Castro, M.T, H.N. Pitre and D.H. Meckenstock. 1988. Potential for using maize as a trap crop for the fall armyworm, *Spodoptera frugiperda* (Lepidoptera:Noctuidae), where sorghum and maize are intercropped on subsistence farms. *Florida Entomol.* 71:273-278.
- Ching'oma, G.P. and H.N. Pitre. 1999. Oviposition by fall armyworm, *Spodoptera frugiperda* (J.E. Smith): Effect of moth age and sorghum maturation stage. *Ceiba*. 40:57-62.
- Ching'oma, G.P. and H.N. Pitre. 1999. Fall amyworm, *Spodoptera frugiperda* (Klepidopterous:Noctuidae), larval development and moth fecundity on soghum at various stages of maturity. *Ceiba* 63-67.
- Cordero, R.J. and H.N. Pitre. 2002. Development of *Metaponpneumata rogenhoferi* on maize, sicklepod and wheat germ diet. *Trop. Agric.* 79:133-136
- Cordero, R.J., R.L. Brown, and H.N. Pitre. 2000. Description of life stages and distribution of *Metaponpneumata rogenhoferi* (Lepidoptera: Noctuidae). *Tropical Lepidoperta*. 10: 59-67.
- Diarisso, Niamoye Y., Bonnie B. Pendleton, George L. Teetes, Gary C. Peterson, and Roger M. Anderson. 1998. Floret morphology of sorghum midge-resistant sorghum. *Southwest. Entomol.* 23:67-75.
- Diarisso, N.Y., B.B. Pendleton, G.L. Teetes, G.C. Peterson, and R.M. Anderson. 1998. Spikelet flowering time: cause of sorghum resistance to sorghum midge (*Diptera: Cecidomyiidae*). *J. Econ. Entomol.* 91:1464-1470.
- Ervin, R. Terry, Tieso M. Khalema, Gary C. Peterson, and George L. Teetes. 1996. Cost/benefit analysis of a sorghum hybrid resistant to sorghum midge (*Diptera: Cecidomyiidae*). *Southwest. Entomol.* 21(2):105-115.
- Friese, D.D. and F.E. Gilstrap. 1985. A comparative biology for three phytoseiid predaceous on spider mites. *Southwest Entomol.* 10:83-88.
- Gilstrap, F.E. and G.W. Brooks. 1991. Sorghum midge and midge parasitism on johnsongrass. *Jour. Econ. Entomol.* 84:431-5.

- Gilstrap, F.E. and D.D. Friese. 1985. The predatory potential of *Phytoseiulus persimilis*, *Amblyseius californicus*, and *occidentalis* (Acarina: Phytoseiidae). *Internat. J. Acarol.* 11:163-8
- Gilstrap, F.E., T.J. Kring and G.W. Brooks. 1984. Parasitism of aphids attacking aphids associated with Texas sorghum. *Environ. Entomol.* 13:1613-17.
- Hallman, G.J., G.L. Teetes and J.W. Johnson. 1984. Relationship of sorghum midge (*Diptera: Cecidomyiidae*) density to damage to resistant and susceptible sorghum hybrids. *J. Econ. Entomol.* 77:83-87.
- Hallman, G.J., G.L. Teetes, and J.W. Johnson. 1984. Weight compensation of undamaged kernels in response to damage by sorghum midge (*Diptera: Cecidomyiidae*). *J. Econ. Entomol.* 77:1033-1036.
- Hogg, D.B., H.N. Pitre and R.E. Anderson. 1982. Assessment of early-season phenology of the fall armyworm (*Lepidoptera: Noctuidae*) in Mississippi. *Environ. Entomol.* 11:705-710.
- Jones, R.W., F.E. Gilstrap and K. Andrews. 1993. Dinámica Poblacional de la Tijereta *Doru taeniatum* (Dohm) (Dermaptera: Forficulidae) en Maíz y Sorgo en Honduras. *Ceiba* 30:67-80.
- Jones, R.W., F.E. Gilstrap, and K.L. Andrews. 1987. Activities and plant associations of the earwig, *Doru taeniatum*, in a crop-weed habitat. *Southw. Entomol.* 12:107-18.
- Jones, R.W., F.E. Gilstrap, and K.L. Andrews. 1988. Biology and life table of the predaceous earwig, *Doru taeniatum* (Dermaptera: Forficulidae). *Entomophaga* 33:43-54.
- Kring, T.J. and F.E. Gilstrap. 1986. Beneficial role of corn leaf aphid, *Rhopalosiphum maidis* (Fitch) (Homoptera: Aphididae), in maintaining *Hippodamia* spp. (Coleoptera: Coccinellidae) in grain sorghum. *J. Crop Protection* 5:125-8.
- Kring, T.J. and F.E. Gilstrap. 1984. Efficacy of the natural enemies of grain sorghum aphids (Homoptera: Aphididae). *J. Kansas Entomol. Soc.* 57:160-7
- Kring, T.J., F.E. Gilstrap, and G.J. Michels, Jr. 1985. Role of indigenous coccinellids in regulating greenbug, *Schizaphis graminum* (Rondani) on Texas grain sorghum. *J. Econ. Entomol.* 78:269-273.
- Lopez, J.I., H.N. Pitre and D.H. Meckenstock. 2000. Changes in fall armyworm (*Lepidoptera: Noctuidae*) fitness over five generations after larval feeding on resistant tropical land race sorghum. *Ceiba.* 41:27-33.
- Lopez, J.I., H.N. Pitre and D.H. Meckenstock. 2000. Influence of nitrogen fertilizer on resistance to fall armyworm (*Lepidoptera: Noctuidae*) in tropical land race sorghum. *Ceiba* 41:35-39.
- Lopez, J.I., H.N. Pitre, and F. Gomez. 1996. Evaluation of Honduran landrace sorghums for resistance to *Spodoptera frugiperda* (*Lepidoptera: Noctuidae*). *Ceiba* 37(2):273-280.
- Lopez, J., H.N. Pitre, D.H. Meckenstock, and F. Gomez. 1996. Evaluation of a sorghum population for resistance to fall armyworm (*Lepidoptera: Noctuidae*). *Trop. Agric.* 73:43-48.
- Marengo, J., K. Andrews, F. Gilstrap and D. Meckenstock. 1995. Establecimiento de *Costesia flavipes* Cam. para el control de *Diatraea* en Honduras. *Ceiba* 29(2):363-75.
- Meckenstock, D.H., M.T. Castro, H.N. Pitre and F. Gomez. 1991. Antibiosis to fall armyworm in Honduran landrace sorghum. *Environ. Entomol.* 20:1259-1266.

- Melton, K.D. and G.L. Teetes. 1984. Effects of resistant sorghum hybrids on sorghum midge (*Diptera: Cecidomyiidae*) biology. *J. Econ. Entomol.* 77:626-631.
- Merchant, Michael E. and George L. Teetes. 1994. Perceptions of Texas farmers and pest management advisors of integrated pest management of sorghum insect pests. *Southwest. Entomol.* 19:237-248.
- Merchant, M.E. and G.L. Teetes. 1992. Evaluation of selected sampling methods for panicle-infesting insect pests of sorghum. *J. Econ. Entomol.* 85:2418-2424
- Mott, Dale A., George L. Teetes, and Michael I. Biggerstaff. 1996. Magnitude of survival of overwintering sorghum midge. *Southwest. Entomol.* 21(3):341-344.
- Mott, Dale A., George L. Teetes, Bonnie B. Pendleton, and Roger M. Anderson. 1996. Effect of sorghum residue destruction on abundance of sorghum midges emerging from diapause. *Southwest. Entomol.* 21(3):345-348.
- Palousek, A.L., B.B. Pendleton, B.A. Stewart, G.J. Michels, Jr. and C.M. Rush. 2002. Fecundity and longevity of greenbug, *Schizaphis graminum*, affected by biotype and temperature. *International Sorghum and Millets Newsletter* 43:54-55.
- Pendleton, Bonnie B., George L. Teetes and Roy D. Parker. 2000. Quantifying Texas sorghum growers' use of IPM for insect pests. *Southwestern Entomologist* 25:39-53.
- Pendleton, Bonnie B. and George L. Teetes. 1994. Sorghum midge dispersal from sorghum. *Southwest. Entomol.* 19:1-9.
- Pendleton, Bonnie B., George L. Teetes and Merry E. Makela. 1994. Predicting sorghum midge (*Diptera: Cecidomyiidae*) generations and abundance. *J. Econ. Entomol.* 87:993-998.
- Pendleton, Bonnie B., George L. Teetes and Gary C. Peterson. 1994. Phenology of sorghum flowering. *Crop Sci.* 34:1263-1266
- Peterson, G.C., B.B. Pendleton and G.L. Teetes. 2002. PROFIT – Productive Rotations On Farms In Texas. In J. Leslie (Ed.). *Sorghum and Millets Diseases, World Agriculture Series*, Iowa State Press: A Blackwell Publishing Company, Ames, IA. Pp. 365-370.
- Peterson, G.C. 1994. Sorghum and plant resistance to insects problems. *Annual Plant Resistance to Insects Newsletter* 20:3-5.
- Peterson, G.C., A.E.B. Ali, G.L. Teetes, J.W. Jones, and K. Schaeffer. 1989. Grain sorghum resistance to midge by yield loss vs. visual scores. *Crop Sci.* 29:1136-1140.
- Peterson, G.C., J.W. Johnson, G.L. Teetes, and D.T. Rosenow. 1985. Registration of midge resistant sorghum germplasm. *Crop Sci.* 25:372.
- Peterson G.C., J.W. Johnson, G.L. Teetes, and D.T. Rosenow. 1985. Registration of greenbug biotype C resistant sorghum germplasm. *Crop Sci.* 25:373.
- Pickett, C.H. and F.E. Gilstrap. 1986. Predation of Banks grass mite by *Phytoseiulus persimilis* and *Amblyseius californicus* under controlled laboratory conditions. *Entomophaga* 31:205-12.

- Pitre, H. N., H. E. Portillo, D. H. Meckenstock, M. T. Castro, J. I. Lopez, K. L. Andrews, F. Gomez, O. R. Vergara and R. Trabanino. 1997. A complex of lepidopterous defoliators on sorghum and maize in Honduras: some management tactics. *Ceiba*: 109-119.
- Pitre, H.N. 1988. A complex of lepidopterous defoliators on sorghum and maize in southern Honduras. *CEIBA*. 29(1):9 p.
- Pitre, H.N. 1988. Relationship of fall armyworm (*Lepidoptera: Noctuidae*) from Florida, Honduras, Jamaica and Mississippi: Susceptibility to insecticides with reference to migration. *Florida Entomol.* 71:56-61.
- Pitre, H. N. 1986. Chemical control of the fall armyworm (*Lepidoptera:Noctuidae*): An update. *Florida Entomol.* 69:570-578.
- Pitre, H.N., J.E. Mulrooney and D.B. Hogg. 1983. Fall armyworm (*Lepidoptera;Noctuidae*) oviposition: Crop preferences and egg distribution on plants. *J. Econ. Entomol.* 76:463-466.
- Pitre, H.N. and D.B. Hogg. 1983. Development of the fall armyworm on cotton, soybean and corn. *J. Georgia Entomol. Soc.* 18:182-187.
- Porter, David R., John D. Burd, Kevin A. Shufan, James A. Webster, and George L. Teetes. 1997. Greenbug (Homoptera: Aphididae) biotypes: selected by resistant cultivars or preadapted opportunists? FORUM article, *J. Econ. Entomol.* 90:1055-1065.
- Portillo, H. E., H. N. Pitre, D. H. Meckenstock and K. L. Andrews. 1998. Performance of a lepidopteran pest complex (langosta) (*Lepidoptera: Noctuidae*) on sorghum, maize and noncrop vegetation in Honduras. *Environ. Entomol.* 27:70-79.
- Portillo, H. E., H. N. Pitre, D. H. Meckenstock, F. Gomez and J. J. Lopez. 1997. Validation of new agronomic and plant protection technologies in intercropped sorghum and maize in southern Honduras. *Ceiba*. 38:35-43.
- Portillo, H.E., H.N. Pitre, D.H. Meckenstock, and K.L. Andrews. 1996. Oviposition preference of *Spodoptera latifascia* (Lepidoptera:Noctuidae) for sorghum, maize and non-crop vegetation. *Fla. Entomol.* 79:552-562.
- Portillo, H.E., H.N. Pitre, D.H. Meckenstock and K.L. Andrews. 1996. Feeding preferences of neonates and late instar larvae of a lepidopterous pest complex (the langosta in Honduras) (Lepidoptera:Noctuidae) on sorghum, maize, and noncrop vegetation. *Environ. Entomol.* 25:589-598.
- Portillo, H.E., H.N. Pitre, D.H. Meckenstock and F. Gomez. 1994. Improved chemical protection of sorghum seed and seedlings from insect pests in Honduras. *Turrialba*. 44:50-55.
- Portillo, H.E., H.N. Pitre, K.L. Andrews and D.H. Meckenstock. 1994. The influence of weeds on insect-related mortality of intercropped sorghum and maize in southern Honduras. *Tropical Agriculture* 71:208-214.
- Portillo, H.E. and H.N. Pitre. 1991. Langosta: A Lepidopterous pest complex on sorghum and maize in Honduras. *Florida Entomol.* 74:287-296.
- Ramaswamy, S.B., P.W.K. Ma and H.N. Pitre. 1988. Calling rhythm and pheromone titers in *Spodoptera frugiperda* (Lepidoptera: Noctuidae) from Mississippi and Honduras. *J. Appl. Entomol.* 106:90-96.

- Robinson, J.R.C. and G.L. Teetes. 1986. Chemical control of sorghum midge on grain sorghum, 1986. Insecticide and Acaricide Tests. 12:270.
- Sambaraju, K.R., B.B. Pendleton, C.A. Robinson, R.C. Thomason and M.D. Lazar. 2002. Greenbug fitness on sorghum and non-cultivated hosts. International Sorghum and Millets Newsletter 43:55-56.
- Schwager, B., H.N. Pitre, and L. Gourley. 1984. Field evaluation of sorghum characteristics for resistance to fall armyworm. J. Georgia Entomol. Soc. 19:333-339.
- Seifelnasr, Y.E. and R.B. Mills. 1985. Resistance of pearl millet to *Sitophilus oryzae*, *Sitotroga cerealella*, and *Rhizopertha dominica*. J. Econ. Entomol. 78(1):181-184.
- Serrano, L., J. Oliva, G. Henriquez, J. Najera, R. Reyes, I. Cea and F. Gilstrap. 1995. Barrendores de maiz y sorgo y su control biologico en El Salvador. Ceiba 29(2):377-80.
- Steck, G.J., G.L. Teetes and S.D. Maiga. 1989. Species composition and injury to sorghum by panicle feeding bugs in Niger. Insect Sci. Applic. 10:199-217.
- Teetes, G. L., C. S. Manthe, G. C. Peterson, K. Leuschner, and B. B. Pendleton. 1995 (published in 1997). Sorghum resistant to the sugarcane aphid, *Melanaphis sacchari* (Homoptera:Aphididae), in Botswana and Zimbabwe. Insect Sci. Applic. 16:63-71.
- Teetes, G.L., R.M. Anderson, and G.C. Peterson. 1994. Exploitation of sorghum nonpreference resistance to sorghum midge (Diptera:Cecidomyiidae) using mixed plantings of resistant and susceptible sorghum hybrids. J. Econ. Entomol. 87:826-831.
- Teetes, George L. 1994. Adjusting crop management recommendations for insect-resistant crop varieties. J. Agric. Entomol. 11:191-200.
- Teetes, G.L., R.M. Anderson and G.C. Peterson. 1994. Exploitation of sorghum nonpreference resistance to sorghum midge (*Diptera:Cecidomyiidae*) using mixed plantings of resistant and susceptible sorghum hybrids. J. Econ. Entomol. 87:826-831.
- Teetes, G.L., M.J. Scully and G.C. Peterson. 1992. Partial life tables for corn earworm (*Lepidoptera:Noctuidae*) on compact- and loose-panicle sorghum hybrids. J. Econ. Entomol. 85:1393-1401.
- Teetes, G.L. 1985. Insect resistant sorghums in pest management. Insect Sci. Applic. 6 (3):443-451.
- Teetes, G.L., M.I. Becerra, and G.C. Peterson. 1986. Sorghum midge (*Diptera: Cecidomyiidae*) management with resistant sorghum and insecticide. J. Econ. Entomol. 79:1091-1095.
- Thead, L.G. and H.N. Pitre. 1985. Sorghum webworm control and flower bug mortality on sorghum in Mississippi. Insecticide and Acaricide Tests. 10:242-243.
- Thindwa, Harriet P., George L. Teetes and J. Spencer Johnston. 1994. Greenbug DNA content. Southwest. Entomol. 19:371-378.
- Trabanino, C.R., H.N. Pitre, K.L. Andrews and D.H. Meckenstock. 1990. Soil-inhabiting phytophagous arthropod pests in intercropped sorghum and maize in southern Honduras. Turrialba 40:172-183.

- Trabanino, C.R., H.N. Pitre, D.H. Meckenstock and K.L. Andrews. 1990. Influence of plant population on *Spodoptera frugiperda* (J.E. Smith) infestation and damage to sorghum. CEIBA. 29:31-40.
- Trabinino, C.R., H.N. Pitre and K.L. Andrews. 1989. Effect of seed size, color, number of seeds per hill and depth of planting on sorghum seed survival and stand establishment: relationship to phytophagous insects. Tropical Agriculture. 66:225-229.
- Trabanino, C.R., H.N. Pitre, K.L. Andrews and D.H. Meckenstock. 1988. Arthropodos del Su elo en Sistemas de Cultivos Multiples en el Sur Honduras. CEIBA 29:17 p.
- Trabanino, C.R., H.N. Pitre, K. Andrews and D. Meckenstock. 1986. Chemical protection of sorghum seeds and seedlings from insect pests in Honduras. CEIBA. 28(1):29-37.
- Vergara, O.R., H.N. Pitre and D.W. Parvin. 2002. Economic evaluation methods for integrated pest management in intercropped maize and sorghum production systems in southern Honduras. Ceiba. 43(2): 35-45.
- Vergara, O.R. and H.N. Pitre. 2001. Planting data, weed management and insecticide pplication practices for control of lepidopterous pests in intercropped sorghum and maize in southern Honduras. Trop. Agriculture 78:182-189.
- Vergara, O.R., H. Pitre and D. Parvin. 2001. Economic evaluation of lepidopterous pests in intercropped sorghum and maize in southern Honduras. Trop. Agric. 78:190-199.
- Vergara, O.R. and H.N. Pitre. 1999. Complexity of intercropped sorghum-maize production systems in southern Honduras. Ceiba 41:59-67.
- Waquil, J.M., G.L. Teetes, and G.C. Peterson. 1986. Adult sorghum midge (*Diptera: Cecidomyiidae*) nonpreference for a resistant hybrid sorghum. J. Econ. Entomol. 79:455-458.
- Waquil, J.M., G. L. Teetes, and G.C. Peterson. 1986. Comparison of immature sorghum midge (*Diptera: Cecidomyiidae*) development on resistant and susceptible sorghum hybrids. J. Econ. Entomol. 79:833-837.
- Waquil, J.M., G.L. Teetes, and G.C. Peterson. 1986. Sorghum midge (*Diptera: Cecidomyliidae*) adult ovipositional behavior on resistant and susceptible sorghum hybrids. J. Econ. Entomol. 79:530-532.
- Wiseman, B.R., H.N. Pitre, S.L. Fales , and R.R. Duncan. 1986. Biological effects of developing sorghum panicles in a meridic diet on fall armyworm (*Lepidoptera:Noctuidae*) development. J. Econ. Entomol. 79:1637-1640.
- Wiseman, B.R., H.N. Pitre, L.M. Gourley, and S.L. Fales. 1984. Differential growth responses of fall armyworm larvae on developing sorghum seeds incorporated into a meridic diet. Fla. Entomol. Soc. 67:357-367.
- Youm, O., F.E. Gilstrap and G.L. Teetes. 1990. Pesticides in traditional farming systems in West Africa. J. Agric. Entomol. 7:171-181.
- Youm, O., F.E. Gilstrap and H.W. Browning. 1990. Parasitism of stem borers (*Lepidoptera:Pyralidae*) associated with corn and sorghum in the lower Rio Grande Valley of Texas. J. Econ. Entomol. 83:84-88.
- Youm, O., F.E. Gilstrap and H.W. Browning. 1988. Population dynamics of stemborers attacking corn and sorghum in the Texas Rio Grande Valley. Southw. Entomol. 13:199-204.

Zeledon, J. and H.N. Pitre. 2002. Management of sorghum midge on sorghum on the coastal plain of Nicaragua. *Trop. Agric.* 79(2): 114-119.

Zeledon, J. and H.N. Pitre. 2002. Management of sorghum midge on sorghum on the coastal plain of Nicaragua. *Trop. Agric.* 79:114-119.

Book, Book Chapters and Proceedings

Anderson, Roger M., George L. Teetes, and Bonnie B. Pendleton. 1997. Insecticidal control of sorghum panicle-feeding pests. p. 37. *In*. Proceedings, 9th Annual Texas Plant Protection Association Conference. 9-10 December 1997, College Station, TX .

Bowling, R., R. Shufran, B. Pendleton, C. Copeland, and S. Cox. 2003. Insecticide evaluations for greenbug (Homoptera: Aphididae) management in sorghum on the Texas High Plains. P. 93. In J.A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.). Proceedings of the 23rd Biennial Grain Sorghum Research and Utilization Conference. February 16-18, 2003. Albuquerque, NM.

Campbell, R.K., R.D. Eikenbary, M.F. Schuster, M.C. Lidell, K.E. Godfrey, and G.L. Teetes. 1990. Pests of small grains and grain sorghum. p. 67-77. *In*.: D.H. Habeck, F.D. Bennett, and J.H. Frank (eds). Classical Biological Control in the Southern United States. South. Coop. Ser. Bull. 355.

Cronholm, Greg, Allen Knutson, Roy Parker, George Teetes, and Bonnie Pendleton. 1998. Managing insect and mite pests of Texas sorghum. Texas Agricultural Extension Service B-1220.

Gilstrap, F.E. and I. Bayoun. 1995. Biological control of the millet head miner: Needs, tactics and prospects. p. 217-221. Proc. Workshop on Millet Panicle Pests. Niamey, Niger. Oct. 4-9, 1993.

Gilstrap, F.E., I. Bayoun and G. Michels. 1992. The impact of aphid biological control: Some ideas on evaluating natural enemies in annual crop ecosystems. p. 146-151. Proc. 5th Russian Wheat Aphid Conf., Ft. Worth, Texas.

González, D., F. Gilstrap, L. McKinnon, J. Zhang, N. Zareh, G. Zhang, P. Sary, J. Woolley and R. Wang. 1992. Foreign exploration for natural enemies of Russian wheat aphid in Iran, and in the Kunlun, Tian Shan, and Altai Mountain Valleys of the People's Republic of China. p. 197-209. Proc. 5th Russian Wheat Aphid Conf., Ft. Worth, Texas.

Henzell, R. G., G. C. Peterson, G. L. Teetes, B. A. Franzmann, H. C. Sharma, O. Youm, A. Ratnadass, A. Toure, J. Raab, and O. Ajayi, 1997. Breeding for resistance to panicle pests of sorghum and pearl millet. p. 255-280. *In*. Proceedings, International Conference on Genetic Improvement of Sorghum and Pearl Millet. 22-27 September 1996. Lubbock, TX.

McKinnon, L., F. Gilstrap, D. González, J. Woolley, P. Sary and R. Wharton. 1992. Importations of natural enemies for biological control of Aphids. Proc. 5th Russian Wheat Aphid Conference, Ft. Worth, Texas. p. 136-145.

Palousek, A.L., B.B. Pendleton, B.A. Stewart, G.J. Michels, Jr., and C.M. Rush. 2003. Fecundity and longevity of greenbug (*Schizaphis graminum*) affected by biotype and temperature. P. 98. In J.A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.). Proceedings of the 23rd Biennial Grain Sorghum Research and Utilization Conference. February 16-18, 2003. Albuquerque, NM.

- Pendleton, B. 2003. Roundtable discussion by producers on management of sorghum insect pests and future research needs. P. 91. In J.A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.). Proceedings of the 23rd Biennial Grain Sorghum Research and Utilization Conference. February 16-18, 2003. Albuquerque, NM.
- Pendleton, Bonnie B., George L. Teetes, and Roger M. Anderson. 1997. Evaluation of insecticides against sorghum panicle insect pests. p. 88. *In*. 1997 Sorghum Conference Proceedings of the 20th Biennial Grain Sorghum Research and Utilization Conference. 16-19 February 1997. New Orleans, LA.
- Peterson, G. C., B. V. S. Reddy, O. Youm, G. L. Teetes, and L. Lambright, 1997. Breeding for resistance to foliar- and stem-feeding insects of sorghum and pearl millet. p. 281-302. *In*. Proceedings, International Conference on Genetic Improvement of Sorghum and Pearl Millet. 22-27 September 1996. Lubbock, TX. Publ. No. 97-5.
- Porter, David R., John D. Burd, Kevin A. Shufan, James A. Webster, and George L. Teetes. 1997. Greenbug biotype they just keep coming! p. 66-70. *In*. 1997 Sorghum Conference Proceedings of the 20th Biennial Grain Sorghum Research and Utilization Conference. 16-19 February 1997. New Orleans, LA.
- Sambaraju, K.R., B.B. Pendleton, C.A. Robinson, R.C. Thomason, and M.D. Lazar. 2003. Greenbug fitness on wild and cultivated hosts. P. 99. In J.A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.). Proceedings of the 23rd Biennial Grain Sorghum Research and Utilization Conference. February 16-18, 2003. Albuquerque, NM.
- Teetes, George L. and Bonnie B. Pendleton. 2000. Insect pests of sorghum. p. 443-495. *In*. C. Wayne Smith and Richard A. Frederiksen (Eds.) Sorghum. John Wiley and Sons, Inc.
- Teetes, George L. 2000. Insect pests. p. 62-63. *In*. Compendium of Sorghum Diseases, 2nd Edition. eds. Richard Frederiksen and Gary Odvody. American Phytopathological Society, St. Paul, MN
- Teetes, G.L., G.C. Peterson and K.F. Nwanze. 1998. Genetic Diversity of Sorghum, *Sorghum bicolor* (L.) Moench, a source of insect resistant germplasm. p. 63-82. *In*. Global Plant Genetic Resources for Insect Resistant Crops. Edited by Stephen L. Clement and Sharron S. Quisenberry. CRC Press, Boca Raton, FL.
- Teetes, George L. 1998. Integrated management of sorghum insect pests. p. 14-30. *In*. Proceedings, Primer Simposio Internacional de Sorgho. 27-30 May 1998. Rio Bravo, Mexico. INIFAP.
- Teetes, G.L., G.C. Peterson, and K.F. Nwanze. 1996. Genetic diversity of sorghum, *Sorghum bicolor* (L.) Moench, a source of insect resistant germplasm. p. 702. *In*. XX International Congress of Entomology Proceedings. 25-31 August 1996. Firenze, Italy.
- Teetes, George L. 1995. Status of a label for the use of a pyrethroid on sorghum. p. 71. *In*. Proceedings of 19th Biennial Grain Sorghum Research & Utilization Conference, 5-7 March 1995, Lubbock, TX.
- Teetes, G.L. 1992. Sorghum management options to reduce insect-induced stress. Proc. Ann. Corn and Sorghum Industry Res. Conf. 47:112-120.
- Teetes, G.L. 1990. The environmental control of insects using planting time and plant spacing. *In*. D. Pimentel (ed.). Handbook on pest management in agriculture. Vol. 1. CRC Press, Boca Raton, FL.
- Teetes, G.L. 1988. Entomology of johnsongrass/sorghum/sorghum midge and agriculture. p. 125-139. *In*. M.K. Harris and C.E. Rogers (eds.). The entomology of indigenous and naturalized systems in agriculture. Westview, Boulder, CO.

- Teetes, G.L. and F.E. Gilstrap. 1987. Niger research on head bugs of sorghum and stem borers of millet. p. 163-170. Proc. Niger Sorghum and Millet Workshop. October 13-17, 1985. Niamey, Niger.
- Teetes, G.L. 1985. Entomology research projects and needs in the developed world in relation to developing countries. p. 21-30. Proc. International Sorghum Entomology Workshop. Texas A&M University, College Station.
- Teetes, G.L. 1985. Headbugs: economic threshold levels and methodology. p. 301-316. Proc. International Sorghum Entomology Workshop. Texas A&M University, College Station,
- Teetes, G.L. 1985. Sorghum midge biology, population dynamics and IPM. p. 233-246. Proc. International Sorghum Entomology Workshop. Texas A&M University, College Station.
- Veerabomma, S., B.B. Pendleton, B.A. Stewart, C.A. Robinson, and G.J. Michels, Jr. 2003. Effect of different amounts of soil moisture and nitrogen on greenbug fecundity and longevity on sorghum. P. 100. In J.A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.). Proceedings of the 23rd Biennial Grain Sorghum Research and Utilization Conference. February 16-18, 2003. Albuquerque, NM.

Dissertation and Theses

M.S. Degrees

- Abdou Kadi Kadi, Hame. 1999. Laboratory life-fertility table assessment and field biology of millet head miner (Lepidoptera:Noctuidae) in Niger. M.S. thesis. Texas A&M University, College Station, TX.
- Ali, A.E. 1986. Identification of sorghum midge (*Diptera:Cecidomyiidae*) resistant lines among converted exotic sorghum. M.S. thesis. Texas A&M University, College Station, TX.
- Calderon, Pedro. 1998. Occurrence, host plant relationships, and diapause of *Metaponpneumata rogenhoferi* (Moschler) (*Lepidoptera: Noctuidae*) in southern Honduras. M.S. thesis. Mississippi State University. 63 p.
- Carrillo, Mario. 2001. Insect populations and pest management strategies in traditional and improved sorghum and maize production systems in foothill and coastal plain fields in southern Honduras. M.S. thesis. Mississippi State University 71 p.
- Castro, Marco. 1985. Development of the fall armyworm, *Spodoptera frugiperda* (J.E. Smith), larvae from Honduras and Mississippi on sorghum and corn, and larval infestations on sorghum-corn cropping systems in southern Honduras. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Cordero, Roberto. 1999. Relationships of weed management and parasitoids with lepidopterous pests in intercropped sorghum and maize in southern Honduras. M.S. thesis. Mississippi State University. 62 p.
- Becerra, M.I. 1985. Combined effects of resistant sorghum and insecticidal control on damage by sorghum midge (*Diptera:Cecidomyiidae*). M.S. thesis. Texas A&M University, College Station, TX.
- Breen, J.P. 1985. Sorghum responses to yellow sugarcane aphid injury. M.S. thesis. Texas A&M University, College Station, TX.

- Ching'oma, Godfrey P. 1993. Oviposition of fall armyworm: Relationship of moth age and flight period with stage of maturity of sorghum. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Guutazi, Athman. 1989. Effect of greenbug (*Schizaphis graminum Rondani*) biotype E on some commercial sorghum (*Sorghum bicolor* L.) hybrids. M.S. thesis. Kansas State University, Manhattan, KS.
- Jimenez, N.C. 1992. Mixed planting of sorghum midge (*Diptera:Cecidomyiidae*) resistant and susceptible sorghums to enhance and assess nonpreference resistance. M.S. thesis in Entomology. Texas A&M University, College Station, TX.
- Jost, D.J. 1993. Refinement and Validation of the sorghum midge (*Diptera:Cecidomyiidae*) component of the grain sorghum crop growth model—SORKAM. M.S. thesis. Texas A&M University, College Station, TX.
- Lastres-Schindler, M.L. 1990. The role of two predators, *Doru taeniatum* Dorhn and *Solenopsis germinata* F., as control agents of *Spodoptera frugiperda* in Honduras. M.S. thesis. Texas A&M University, College Station, TX.
- Lopez, Julio. 1993. Evaluations of Honduran Landrace Sorghums for Resistance to Fall Armyworm, *Spodoptera frugiperda* (J.E. Smith). M.S. thesis. Mississippi State University, Mississippi State, MS.
- Mott, Dale Allen. 1995. Overwintering survival and role of moisture in diapause termination and subsequent emergence of sorghum midge (*Diptera:Cecidomyiidae*). M.S. thesis, Texas A&M University, College Station, TX.
- Paliani, A.L.P. 1993. Sorghum resistance to yellow sugarcane aphid (*Homoptera:Aphididae*). M.S. thesis. Texas A&M University, College Station, TX.
- Palousek, A.L. 2003. Effect of biotype and temperature on the fitness of greenbug, *Schizaphis graminum* (Rondani), on sorghum. M.S. thesis. West Texas A&M University, Canyon, TX.
- Portillo-Carcamo, H.E. 1991. Insect pest ecology, population dynamics and partial crop life tables and loss assessments in intercropped sorghum and maize in southern Honduras. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Rao, Asha. 1996. Evaluation of natural enemies of greenbug, *Schizaphis graminum* (Rondani), on sorghum using two approaches of the insecticidal check method. M.S. thesis. Texas A&M University, College Station, TX.
- Scully, M.J. 1990. Corn earworm (*Lepidoptera:Noctuidae*) life tables on compact and loose panicle sorghum hybrids. M.S. thesis in Entomology. Texas A&M University, College Station, TX.
- Trabanino, Carlos. 1987. Soil Inhabiting Phytophagous Arthropod Pests: Population Densities and Control in Intercropped Sorghum and Maize in Southern Honduras. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Vergara, Oscar. 1998. Economic evaluation of integrated pest management systems for lepidopterous pests in intercropped sorghum and maize in southern Honduras. M.S. thesis. Mississippi State University. 98 p.
- Zeledon, J.J. 2000. Occurrence, host plant relationships and management of sorghum midge, *Stenodiplosis sorghicola* (Coq.) (*Diptera: Cecidomyiidae*), on sorghum in Nicaragua. M.S. thesis. Mississippi State University, Mississippi State, MS.

Ph.D. Degrees

- Boire, Soualika. 1999. Assessment of mortality and life tables for millet head miner (Lepidoetera: Noctuidae) in Niger. Ph.D. diss. Texas &M University, College Station, TX.
- Castro, Marco. 1990. Density and Aspects of the Biology of Some Pest and Beneficial Insects on Sorghum and Maize Influence of Intercropped Systems With and Without Pigeonpea or Cowpea in Central and Southern Honduras. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Diarisso, Niamoye Yaro. 1997. Spikelet flowering time and morphology as causes of sorghum resistance to sorghum midge (*Diptera:Cecidomyiidae*). Ph.D. diss. Texas A&M University, College Station, TX.
- Lingren, P. Scott. 1998. Areawide management of Mexican corn rootworm (Coleoptera:Chrysomelidae) through adult suppression and crop rotation. Ph.D. dissertation. Texas A&M University, College Station, TX.
- Magallanes-Cedeno, Ricardo. 1995. Sorghum midge (Diptera: Cecidomyiidae) population distribution and survival on resistant sorghum. Ph.D. diss., Texas A&M University, College Station, TX.
- Manthe, C.S. 1992. Sorghum resistance to the sugarcane aphid (*Homoptera:Aphididae*). Ph.D. diss. Texas A&M University, College Station, TX.
- Merchant, M.E. 1989. Practical sampling procedures for panicle-infesting insect pests of sorghum. Ph.D. diss. Texas A&M University, College Station, TX.
- Pendleton, B.B. 1992. Predicting sorghum midge (Diptera:Cecidomyiidae) population dynamics and dispersal. Ph.D. diss. Texas A&M University, College Station, TX.
- Portillo, Hector. 1994. Feeding Performance and Oviposition Preference of *Spodoptera latifascia*, *S. frugiperda*, and *Metaponpneumata rogenhoferi* (Lepidoptera:Noctuidae) on Sorghum, Maize, and Non-crop Vegetation. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Thindwa, H.P. 1991. Effect of temperature/photoperiod on sorghum resistance mechanisms to biotype C and E greenbugs (*Homoptera:Aphididae*), and biotype differentiation by DNA content. Ph.D. diss. Texas A&M University, College Station, TX.
- Waquil, J.M. 1985. Resistance modality of resistant hybrid sorghum to sorghum midge (*Diptera:Cecidomyiidae*). Ph.D. diss. Texas A&M University, College Station, TX.
- Wongo, L.E. 1986. Factors affecting the storage of sorghum [*Sorghum bicolor* (L.) Moench] grain. Ph.D. diss. Kansas State University, Manhattan, KS.

Miscellaneous Publications

- Anderson, R.M., G.L. Teetes and B.B. Pendleton. 1999. Sorghum midge suppression on sorghum, 1998. Arthropod Management Tests 24:280-281.
- Anderson, R.M., G.L. Teetes and B.B. Pendleton. 1999. Fall armyworm control in sorghum whorls, 1998. Arthropod Management Tests 24:280.
- Anderson, R.M., G.L. Teetes and B.B. Pendleton. 1998. Sorghum midge suppression on sorghum, 1997. Arthropod Management Tests 23:273-274.

- Anderson, R.M., G.L. Teetes and B.B. Pendleton. 1998. Evaluation of insecticides for suppression of rice stink bug on sorghum, 1997. *Arthropod Management Tests* 23:274-275.
- Anderson, R.M., G.L. Teetes and B.B. Pendleton. 1998. Control of panicle caterpillars on sorghum, 1997. *Arthropod Management Tests* 23:275.
- Anderson, R.M. and G.L. Teetes. 1995. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1994. *Arthropod Management Tests* 20:231.
- Anderson, R.M., B.B. Pendleton and G.L. Teetes. 1994. Greenhouse evaluation of imidacloprid-treated seed for control of yellow sugarcane aphid on sorghum seedlings, 1992. *Arthropod Management Tests* 19:260
- Anderson, R.M. and G.L. Teetes. 1994. Greenhouse evaluation of insecticides for control of yellow sugarcane aphid on sorghum seedlings, 1992. *Arthropod Management Tests* 19:260.
- Anderson, R.M. and G.L. Teetes. 1993. Evaluation of insecticide application timing, intervals and frequency for control of sorghum midge in sorghum. *Tex. Agric. Exp. Stn. PR-5049*.
- Anderson, R.M. and G.L. Teetes. 1993. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1991. *Insecticide and Acaricide Tests* 18:266-267.
- Anderson, R.M. and G.L. Teetes. 1993. Sources of biotype I greenbug resistance in sorghums. *Annual Plant Resistance to Insects Newsletter* 19:31.
- Cronholm, Greg, Allen Knutson, Roy Parker, George Teetes and Bonnie Pendleton. 1998. Managing insect and mite pests of Texas sorghum. *Texas Agricultural Extension Service B-1220*.
- Cronholm, G., A. Knutson, M. Merchant and G. Teetes. 1993. Managing insect and mite pests of sorghum. *Tex. Agric. Ext. Serv. B-1220*
- Dharmaratne, G.S., R.D. Lacewell, J.R. Stoll and G.L. Teetes. 1986. Economic impact of greenbug resistant grain sorghum varieties: Texas Blacklands. *Tex. Agric. Exp. Stn. MP-1585*.
- Diaware, M.M., B.R. Wiseman and D.J. Isenhour. 1991. *Spodoptera frugiperda* (Lepidoptera:Noctuidae) resistance in converted sorghum accessions: a research summary. *Sorghum Newsletter* 32:46-47.
- Fitt, J.R. and G.L. Teetes. 1985. Efficacy of insecticides and insecticide carriers for control of insect and mite pests in cotton and sorghum, 1984. *Tex. Agric. Exp. Stn. PR-4298*.
- Hoelscher, C.E., J.G. Thomas and G.L. Teetes. 1987. Aphids on Texas small grains and sorghum. *Tex. Agric. Ext. Serv. B-1572*.
- Lingren, P.S., J.R. Coppedge, G.L. Teetes and B.B. Pendleton. 1998. Failure of sorghum in rotation with corn to manage Mexican corn rootworm. *International Sorghum and Millets Newsletter*, p. 117.
- Magallanes-Cedeno, R. and G.L. Teetes. 1994. Sorghum midge oviposition pattern on midge resistant sorghum lines. *Annual Plant Resistance to Insects Newsletter* 20:29.
- Peterson, G.C., G.L. Teetes, R.M. Anderson and B.B. Pendleton. 1994. Yield and selected traits of sorghum midge-resistant sorghum hybrids. *Annual Plant Resistance to Insects Newsletter* 20:30-31.

- Peterson, Gary C., George L. Teetes and B. B. Pendleton. 1994. Resistance of sorghum to sorghum midge in the United States. *Sorghum Newsl.* 35:48-63
- Peterson, G.C., G.L. Teetes, J.W. Jones and R.M. Anderson. 1992. Yield and selected traits of sorghum midge resistant hybrids in the presence and absence of the pest insect. *Tex. Agric. Exp. Stn.* PR-4922.
- Pitre, H.N., H.E. Portillo, D.H. Meckenstock, M.T. Castro, J.I. Lopez, R. Trabanino, R.D. Cave, F. Gomez, O. Vergara, and R. Cordero. 1999. *La Langosta del Sorgo y el Maiz*. Zamorano Academic Press. Tegucigalpa, Honduras. 13 p.
- Robinson, J.R.C. and G.L. Teetes. 1987. Insecticides for suppression of sorghum midge, 1986. *Texas Insecticide and Acaricide Tests*. Dept. Tech. Rpt. 1:88-89.
- Teetes, George L. and Bonnie B. Pendleton. 2000. Insect pests of sorghum. Internet site sorghumipm.tamu.edu.
- Teetes, G. L., Roger M. Anderson, B. B. Pendleton and G.C. Peterson. 1995. Field evaluation of sorghum midge-resistant sorghum hybrids, 1993. *Arthropod Management Tests* 20:366-367.
- Teetes, G.L., G.C. Peterson and R.M. Anderson. 1990. Exploitation of the sorghum midge nonpreference resistance mechanism by mixed plantings of resistant and susceptible sorghum cultivars. *Texas Agric. Exp. Stn.* PR-4732.
- Teetes, G.L., G.C. Peterson, F.R. Miller, H. Thindwa and D.R. Pietsch. 1989. Resistance to biotype E green-bug among sorghum hybrids in a state performance test. *Texas Agric. Exp. Stn. Misc. Publ.* PR-4655.
- Zeledon, J., H. Pitre, J. Vanegas and H. Obregon. 2000. *La mosquita de la panaja del sorgo*. Centro Nacional de Investigaciones Agropecuarias. 6 p.
- Zeledon, J., L. Pineda, and H. Pitre. 1999. Sorghum midge. Instituto Nicaraguense de Tecnologia Agropecuaria, Centro Nacional de Investigaciones Agricolas. 1 p.

Abstracts

- Ahmed, M.M., J.H. Sanders, and W.T. Nell. 2000. New sorghum and millet cultivar introduction in Sub-Saharan Africa: impacts and research agenda. *Agricultural Systems* 64(1):55-65.
- Anderson, R. M., and G. L. Teetes. 1997. Evaluation of insecticides for suppression of rice stink bug on sorghum, 1996. *Arthropod Management Tests* 22:305-306.
- Anderson, R. M., and G. L. Teetes. 1997. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1993. *Arthropod Management Tests* 22:304.
- Anderson, R. M., and G. L. Teetes. 1997. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1996. *Arthropod Management Tests* 22:305.
- Anderson, R. M., B. B. Pendleton, and G. L. Teetes. 1997. Greenhouse evaluation of imidacloprid-treated seed for control of yellow sugarcane aphid on sorghum seedlings, 1993. *Arthropod Management Tests* 22:303.

- Anderson, R.M., and G.L. Teetes. 1996. Evaluation of insecticides for suppression of stink bugs on sorghum, 1995. *Arthropod Management Tests* 21:285.
- Anderson, R.M., and G.L. Teetes. 1996. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1995. *Arthropod Management Tests* 21:285-286.
- Anderson, R.M., and G.L. Teetes. 1995. Greenhouse evaluation of insecticides for control of yellow sugarcane aphid and greenbug on sorghum seedlings, 1994. *Arthropod Management Tests* 20:230.
- Anderson, R.M., and G.L. Teetes. 1995. Evaluation of insecticides for suppression of sorghum midge on sorghum, 1994. *Arthropod Management Tests* 20:231.
- Burd, J.D., K.A. Shufran, J.A. Webster, D.R. Porter, L. Hesler, S. Gray, J.A. Anstead, Z.B. Mayo, G.E. Wilde, G. Teetes, J. Michels, and G. Peterson. 1999. WARNING! Scientists declare greenbug endangered species. p. 50. *Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA)*, National Grain Sorghum Producers Association, Tucson, AZ, February 21-23, 1999.
- Diarisso, Niamoye Yaro. 1997. Spikelet flowering time and morphology as causes of sorghum resistance to sorghum midge (Diptera: Cecidomyiidae). *Annual Plant Resistance to Insects Newsletter* 23:37-38.
- Diarisso, N. Y., B. B. Pendleton, G. L. Teetes, G. C. Peterson, and R. M. Anderson. 1997. Relationship between sorghum glume closure and resistance to sorghum midge. *International Sorghum and Millets Newsletter* 38:87-88.
- Diarisso, N.Y., B. Pendleton, and G.L. Teetes. 1995. Sorghum spikelet morphology and flowering time as causes of resistance to sorghum midge. *Annual Plant Resistance to Insects Newsletter* 21:19.
- Diaware, M.M., B.R. Wiseman and D.J. Isenhour. 1992. Morphological nonpreference resistance to fall armyworm (Lepidoptera:Noctuidae) among converted sorghum accessions. p. 47. *Seventeenth Biennial Grain Sorghum Research and Utilization Conference of North America*. Feb. 17-20, 1991, Lubbock, TX.
- Jost, Douglas, G. Teetes, T. Gerik and W. Rosenthal. 1991. SORKAM: A Grain Sorghum Crop Growth Model. p. 268. *Proc. International Sorghum and Millet CRSP Conference*. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Katsar, C. S., A. H. Paterson, G. C. Peterson, and G. L. Teetes. 1997. RFLP analysis of greenbug-resistant sorghum germplasm. *Annual Plant Resistance to Insects Newsletter* 23:39-40.
- Magallanes-CedeZo, Ricardo, G.L. Teetes and J.H. Matis. 1991. A Combined Approach to Evaluate Natural Mortality in Sorghum Midge. p. 268. *Proc. International Sorghum and Millet CRSP Conference*. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Manthe, C.S., G.L. Teetes, G.C. Peterson and K. Leuschner. 1991. Sorghum Resistance to Sugarcane Aphid in Southern Africa. p. 268. *Proc. International Sorghum and Millet CRSP Conference*. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Mott, D.A., and G.L. Teetes. 1996. Survival of overwintering sorghum midge in relation to crop residue destruction. *International Sorghum and Millets Newsletter* 37:59-60
- Paliani, A.L., G.L. Teetes and G.C. Peterson. 1993. Sorghum resistance to yellow sugarcane aphid, *Sipha flava* (Forbes). *Annual Plant Resistance to Insects Newsletter*. 19:31-32.

- Pendleton, Bonnie B., Richard A. Frederiksen, and George L. Teetes, 1997. Integrated crop management in sorghum: comprehensive manual and model. p. 665-666. *In*. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Pearl Millet. 22-27 September 1996. Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Peterson, G. C., G. L. Teetes, J. W. Jones, R. M. Anderson, B. B. Pendleton, and K. Schaefer. 1997. Release of sorghum inbred lines resistant to sorghum midge. *International Sorghum and Millets Newsletter* 38:37-38.
- Peterson, G. C., G. L. Teetes, J. W. Jones, R. M. Anderson, B. B. Pendleton, and K. Schaefer. 1997. Sorghum inbred lines resistant to sorghum midge. *Annual Plant Resistance to Insects Newsletter* 23:36-37.
- Peterson, Gary C., George L. Teetes, Roger M. Anderson, and Bonnie B. Pendleton. 1996. Field performance of sorghum midge-resistant sorghum hybrids, 1994. *Arthropod Management Tests* 21:424.
- Peterson, Gary C., George L. Teetes, Roger M. Anderson, and Bonnie B. Pendleton. 1996. Field evaluation of sorghum midge-resistant sorghum hybrids, 1995. *Arthropod Management Tests* 21:425-426.
- Peterson, G.C., G.L. Teetes, J.W. Jones, R.M. Anderson, and B.B. Pendleton. 1995. Performance of sorghum midge resistant sorghum hybrids. *Annual Plant Resistance to Insects Newsletter* 21:20.
- Pitre, H.N., G.L. Teetes, and G.C. Peterson. 1998. INTSORMIL: Two decades of entomological research for improved crop production. Oct. 18-22, 1998. Baltimore, MD. *Agron. Abstr.* p. 45.
- Teetes, George L., Gary C. Peterson, Roger Anderson, Kenneth Schaefer, and Jerry W. Jones, 1997. Sorghum midge-resistant hybrids for the 21st century. p. 678. *In*. Proceedings of International Conference on Genetic Improvement of Sorghum and Pearl Millet, Rosenow et al. (eds). 22-27 September 1996. Lubbock, TX. Publ. No. 97-5.
- Teetes, G.L., G.C. Peterson, R.M. Anderson, and B. Pendleton. 1996. Evaluation of midge-resistant sorghum hybrids. *International Sorghum and Millets Newsletter* 37:60.
- Teetes, G.L., G.C. Peterson, R.M. Anderson, and B. B. Pendleton. 1996. Evaluation of sorghum midge-resistant sorghum hybrids. *Annual Plant Resistance to Insects Newsletter* 22:12.
- Teetes, G.L., R.M. Anderson, B.B. Pendleton, and G.C. Peterson. 1995. Field evaluation of sorghum midge-resistant sorghum hybrids. 1993. *Arthropod Management Tests* 20:366-367.

Food Science



Journal Articles

- Aboubacar, A., Axtell, J.D., Nduulu, L., and Hamaker, B.R. 2003. A turbidity assay for rapid and efficient identification of high protein digestibility sorghum lines. *Cereal Chem.* 80:40-44.
- Aboubacar, A., Axtell, J.D., Nduulu, L., and Hamaker, B.R. 2003. A turbidity assay for rapid and efficient identification of high protein digestibility sorghum lines. *Cereal Chem.* 80:40-44.
- Aboubacar, A., Axtell, J.D., Huang, C.P., Hamaker, B.R. 2001. A rapid protein digestibility assay for identifying highly digestible sorghum lines. *Cereal Chem.* 78:160-165.
- Aboubacar, A. and B.R. Hamker. 1998. Rapid screening assay to identify sorghum with high protein digestibility. *Cereal Foods World* 32:442.
- Aboubacar, A. and B.R. Hamaker. 1998. Physicochemical properties of flours that relate to sorghum couscous quality. *Cereal Chem.* 76:308-313.
- Akingbala, J.O., M.H. Gomez, L.W. Rooney and V.E. Sweat. 1988. Thermal properties of sorghum starch. *Starch/Starke* 40(10):S 375378
- Akingbala, J.O. and L.W. Rooney. 1987. Paste properties of sorghum flour and starches. *J. Food Proc. and Preservation.* 11:13-24.
- Almeida-Dominguez, H.D. and L.W. Rooney. 1994. Propiedades de malta diastásica de sorgo blanco. *Archivos Latino Americanos de Nutricion.* Vol. 44(1)23-28.
- Almeida-Dominguez, H.D., M.H. Gomez, S.O. Serna-Saldivar, R.D. Waniska, L.W. Rooney and E.W. Lusas. 1993. Extrusion cooking of pearl millet for production of millet-cowpea weaning foods. *Cereal Chem.* 70(2):214-219.
- Almeida-Dominguez, H.D., S.O. Serna-Saldivar, M.H. Gomez and L.W. Rooney. 1993. Production and nutritional value of weaning foods from mixtures of pearl millet and cowpeas. *Cereal Chem.* 70(1):14-18.
- Almeida-Dominguez, H.D., S.O. Serna-Saldivar, L.W. Rooney. 1992. Properties of new and commercial sorghum hybrids for utilization in alkaline cooked foods. *Cereal Chem.* 68(1):25-30.
- Almeida-Dominguez, H.D., S.O. Serna-Saldivar, and L.W. Rooney. 1991. Properties of new and commercial sorghum hybrids for utilization in alkaline cooked foods. *Cereal Chem.* 68(1):25-30.
- Asante, S.A. 1995. Sorghum quality and utilization. *African Crop Science Journal* 3(2):231-240.
- Asquith, T., H. Mehansho, J. Rogler, L.G. Butler, and D.M. Carlson. 1985. Induction of proline-rich protein biosynthesis in salivary glands by tannins. *Fed. Proc.* 44:1097.
- Asquith, T.N. and L.G. Butler. 1985. Use of a dye-labeled protein as a spectrophotometric assay for protein precipitants such as tannins. *J. Chem. Ecology.* 11:1535-1544.
- Asquith, T.N. and L.G. Butler. 1986. Interaction of condensed tannins with selected proteins. *Phytochemistry.* 25:1591-1593.

- Asquith, T.N., J. Uhlig, H. Mehansho, L.J. Putman, D.M. Carlson, and L.G. Butler. 1987. Binding of condensed tannins to salivary proline-rich glycoproteins: The role of carbohydrate. *J. Agr. Food Chem.* 35:331-334.
- Awika, Joseph M, Elly L. Suhendro, and Lloyd W. Rooney. 2002. Milling value of sorghums compared by adjusting yields to a constant product color. *Cereal Chem.*79:(2):249-251.
- Bach-Knudsen, K.E., A.W. Kirleis, B.O. Eggum and L. Munck. 1988. Carbohydrate composition and nutritional quality for rats of sorghum Tô prepared from decorticated white and whole grain red flour. *J. Nutr.* 118:588-597.
- Barragan-Delgado, M.L. and S.O. Serna-Saldivar. 2000. Production and nutritional evaluation of liquefied weaning foods from malted sorghum, quality protein maize and other cereals. *Cereal Chem.* 77(5): 652-656.
- Barredo Moguel, L.H., C. Rojas de Gante, and S.O. Serna Saldivar. 2001. Alpha amino nitrogen and fusel alcohols of sorghum worts fermented into lager beer. *J. Institute of Brewing* 107(6):367-372.
- Batterman-Azcona, S.J. and B.R. Hamaker. 1998. Microstructural changes occurring in protein bodies and \pm -zeins during corn processing. *Scanning* 20:182.
- Batterman-Azcona, S.J., J. Lawton, and B.R. Hamaker. Effect of specific mechanical energy on Protein bodies and \pm -zeins in corn flour extrudates. *Cereal Chem.* 76:316-320.
- Bello, A.B., R.D. Waniska, M.H. Gomez, and L.W. Rooney. 1995. Starch solubilization and retrogradation during Tô (a food jelly) from different sorghum cultivars. *Cereal Chem.* 72:80-84.
- Bello, A.B., S.O. Serna-Saldivar, R.D. Waniska and L.W. Rooney. 1991. Methods to prepare and evaluate wheat tortillas. *Cereal Foods World* 36(3):315-322.
- Bello, A.B., L.W. Rooney and R.D. Waniska. 1990. Factors affecting quality of sorghum Tô, a thick porridge. *Cereal Chem.* 67(1):20-25.
- Beta, T., L.W. Rooney, L.T. Marovatsanga and J.R.N. Taylor. 2001. Effect of chemical treatments on polyphenols and malt quality in sorghum. *J. Cereal Sci.* 31:295-302.
- Beta, Trust, Harold Corke, Lloyd W. Rooney, and John R.N. Taylor. 2001. Effect of steeping treatment on pasting and thermal properties of sorghum starches. *Cereal Chem.* 78(3):303-306.
- Beta, Trust, Harold Corke, Lloyd W. Rooney, and John RN Taylor. 2001. Starch properties as affected by sorghum grain chemistry. *Journal of the Science of Food and Agriculture* 81(2): 245-251.
- Beta, T., L. W. Rooney, J.R.N. Taylor. 2000. Effect of chemical conditioning on the milling of high-tannin sorghum. *J. Sci. Food Agric* 80:2216-2222.
- Beta, Trust, Lloyd W. Rooney, Lillian T. Marovatsanga and John R.N. Taylor. 1999. Phenolic compounds and kernel characteristics of Zimbabwean sorghums. *J. Sci. Food Agric.* 79:1003-1010.
- Beta, Trust, Lloyd W. Rooney and Ralph D. Waniska. 1995. Malting characteristics of sorghum cultivars. *Cereal Chemistry* 72(6):533-538.

- Blytt, H.J., T.K. Guscar and L.G. Butler. 1988. The antinutritional effects and ecological significance of dietary condensed tannins may not be due to binding and inhibiting digestive enzymes. *J. Chem. Ecol.* 11:1455-1465.
- Bookwalter, G.N., A.W. Kirleis and E.T. Mertz. 1987. *In vitro* digestibility of protein in milled sorghum and other processed cereals with and without soy-fortification. *J. Food Sci.* 52:1577-1579 and 1619.
- Boren, B. and R.D. Waniska. 1992. Sorghum seed color as an indicator of tannin content. *J. Applied Poultry Res.* 1:117-121.
- Bueso, Francisco J., Ralph D. Waniska, William L. Rooney and Feliciano P. Bejosano. 2000. Activity of antifungal proteins against mold in sorghum caryopses in the field. *J. of Ag. and Food Chem.* 48:810–816.
- Bugusu, B.A., Rajwa, B., Hamaker, B.R. 2002. Interaction of maize zein with wheat in composite dough and bread as determined by confocal laser scanning microscopy. *Scanning.* 24:1-5.
- Bugusu, B.A., Campanella, O., Hamaker, B.R. 2001. Improvement of sorghum-wheat composite dough rheological properties and breadmaking quality through zein addition. *Cereal Chem.* 78:31-35.
- Butler, L.G. and P. Pushpamma. 1991. Tannin in Betel Nut and Its Products Consumed in India: Comparison with High Tannin Sorghum. *J. Agric. Food Chem.*, 39:322-326.
- Butler, L.G., D.J. Riedl, D.G. Lebryk and H.J. Blytt. 1984. Interaction of proteins with sorghum tannin: Mechanism, specificity and significance. *J. Am. Oil Chem. Soc.* 61:916-920.
- Butler, L.G. 1984. Recent developments in the assay and characterization of tannin in sorghum grain. *J. Am. Oil Chem. Soc.* 61:692.
- Cagampang, G.B. and A.W. Kirleis. 1985. Properties of starches isolated from sorghum flourey and corneous endosperm. *Starch.* 37:253-257.
- Cagampang, G.B., A.W. Kirleis, and J.S. Marks. 1984. Application of small sample back extrusion test for measuring texture of cooked sorghum grain. *J. Food Sci.* 49:278-280.
- Cagampang, G.B. and A.W. Kirleis. 1984. Relationship of sorghum grain hardness to selected physical and chemical measurements of grain quality. *Cereal Chem.* 61:100-105.
- Cai, T., G. Ejeta, and L.G. Butler. 1995. Screening for grain polyphenol variants from high tannin sorghum somaclones. *Theor. Appl. Genet.* 90:211-220.
- Chandrashekar, A. and A.W. Kirleis. 1988. Influence of protein on starch gelatinization in sorghum. *Cereal Chem.* 65:457-462.
- Chang, M., D.H. Netzly, L.G. Butler and D.G. Lynn. 1986. Chemical regulation of distance: Characterization of the first natural host germination stimulant for *Striga asiatica*. *J. Am. Chem. Soc.* 108:7858-7860.
- Choto-Owen, C.E., M.M. Morad and L.W. Rooney. 1985. The quality of tortillas containing whole sorghum and pearled sorghum alone and blended with yellow maize. *Cereal Chem.* 62(1):52-54.
- Cruz y Celis, L.P., L.W. Rooney and C.M. McDonough. 1996. A ready-to-eat breakfast cereal from food-grade sorghum. *Cereal Chemistry* 73(1):108-114.

- Dickerson, D.P., S.F. Pascholati, A.E. Hagerman, L.G. Butler and R.L. Nicholson. 1984. Phenylalanine ammonia-lyase and hydroxycinnamate: CoA ligase in maize mesocotyls inoculated with *Helminthosporium carbonum*. *Physiol. Plant Path.* 25:111-123.
- Doherty, C.A., R.D. Waniska, L.W. Rooney, C.F. Earp and J.H. Pose. 1987. Free phenolic compounds and tannins in sorghum caryopsis and glumes during development. *Cereal Chem.* 64(1):42-46.
- Dowling, L.F., C. Arndt, and B.R. Hamaker. 2002. Economic viability of high digestibility sorghum as feed for market broilers, *Agronomy J.* 94:1050-1058.
- Dowling, L.F., Arndt, C., and Hamaker, B.R. Economic viability of high digestibility sorghum as feed for market broilers. *Agronomy J.* 94:1050-1058.
- Duodu, K.G., Taylor, J.R.N., Belton, P.S., and Hamaker, B.R. 2003. Factors affecting sorghum protein digestibility. *J. Cereal Sci.* 38:117-131.
- Earp, C.F. and L.W. Rooney. 1986. Fluorescence characterization of sorghum caryopsis. *Food Microstructure.* 5:257-264.
- Elkin, R.G., Arthur, E., Hamaker, B.R., Axtell, J.D., Douglas, M.W., Parsons, C.M. 2002. Nutritional value of a highly digestible sorghum cultivar for meat-type chickens. *J. Agric. Food Chem.* 50:4146-4150.
- Elkin, R.G., E. Arthur, B.R. Hamaker, J.D. Axtell, M.W. Douglas, and C.M. Parsons. 1998. The nutritional value of a highly digestible sorghum cultivar for broiler chickens. *Poultry Sci.* 77(suppl. 1):87.
- Elkin, R.G. M.B. Freed, B.R. Hamaker, Y. Zhang and C.M. Parsons. 1996. Condensed tannins are only partially responsible for variations in nutrient digestibilities of sorghum grain cultivars. *J. Agric. Food Chem.* 44:848-853.
- Galiba, M., R.D. Waniska, L.W. Rooney and F.R. Miller. 1987. The preparation of sorghum and millet couscous in West Africa. *Cereal Foods World.* 32(12):878-884.
- Galiba, M., R.D. Waniska, L.W. Rooney and F.R. Miller. 1988. Couscous quality of sorghum with different kernel characteristics. *J. Cereal Sci.* 7:183-193.
- Gomez, M.H., R.D. Waniska and L.W. Rooney. 1990. Effects of Nixtamalization and Grinding Conditions on the Starch in Masa. *die Starke* 42:475-482.
- Gomez, M.H., C.M. McDonough, L.W. Rooney and R.D. Waniska. 1989. Changes in corn and sorghum during nixtamalization and tortilla baking. *J. Food Sci.* 54(2):330-336.
- Gomez, M.H., L.W. Rooney, R.D. Waniska and E. Lusas. 1988. Extrusion cooking of sorghum. *J. Food Sci.* 53(6):1818-1822.
- Graham, G.G., W.C. MacLean, E. Morales, B.R. Hamaker, A.W. Kirleis, E.T. Mertz and J.D. Axtell. 1986. Digestibility and utilization of protein and energy from nasha, a traditional Sudanese fermented sorghum weaning food. *J. Nutr.* 116:978-984.
- Hageman, A. and L.G. Butler. 1989. Choosing appropriate Methods and Standards for Assaying Tannin. *J. Chem. Ecology.* 15:1795-1810.

- Hahn, D.H. and L.W. Rooney. 1985. Effect of genotype on tannins and phenols of sorghum. *Cereal Chem.* 63(1):4-8.
- Hahn, D.H., L.W. Rooney and C.F. Earp. 1984. Tannins and phenols of sorghum. *Cereal Foods World.* 19(12):776-780.
- Hamaker, B.R., A.S. Tandjung, L. Mamadou, and J.D. Axtell. 1998. A novel vitreous core endosperm phenotype found in sorghum grain in a high protein digestibility/high-lysine population. *Cereal Foods World* 43:548.
- Hamaker, B.R., A.A. Mohamed, C.P. Huang, J.E. Habben and B.A. Larkins. 1995. An efficient procedure for extracting maize and sorghum kernel proteins reveals higher prolamin contents than the conventional method. *Cereal Chem.* 72:583-588.
- Hamaker, B.R., E.T. Mertz and J.D. Axtell. 1994. Effect of extrusion on sorghum kafirin solubility. *Cereal Chem.* 71:515-517.
- Hamaker, B.R., A.W. Kirleis, L.G. Butler, J.D. Axtell and E.T. Mertz. 1987. Improving *in vitro* digestibility of sorghum with reducing agents. *Proc. Natl. Acad. Sci., USA.* 84:626-628.
- Hamaker, B.R. A.W. Kirleis, E.T. Mertz and J.D. Axtell. 1986. Effect of cooking on the protein profiles and *in vitro* digestibility of sorghum and maize. *J. Agric. Food Chem.* 34:647-649.
- Han, X.Z., Campanella, O.H., Guan, H., Keeling, P.L., and Hamaker, B.R. 2002. Influence of maize starch granule-associated protein on the rheological properties of starch pastes. Part 2. Dynamic measurements of viscoelastic properties of starch pastes. *Carbohydr. Polymers.* 49:315-321.
- Han, X.Z., Campanella, O.H., Guan, H., Keeling, P.L., Hamaker, B.R. 2002. Influence of maize starch granule-associated protein on the rheological properties of starch pastes. Part I. Large deformation measurements of paste properties. *Carbohydr. Polymers.* 49:323-330.
- Han, X.Z. and Hamaker, B.R. 2002. Location of starch granule-associated proteins revealed by confocal laser scanning microscopy (Rapid Communication). *J. Cereal Sci.* 35:109-116.
- Han, X.Z. and B.R. Hamaker. 2000. Functional and microstructural aspects of soluble starch in pastes and gels. *Starch/Staerke* 2-3:76-80.
- Huang, C.P., E. Hejlsoe-Kohsel, X.Z. Han and B.R. Hamaker. Proteolytic activity in sorghum flour and its interference in protein analysis. *Cereal Chem.* 77:343-4.
- Hugo, L.F., Rooney, L.W., and Taylor, J.R.N. 2000. Malted sorghum as a functional ingredient in composite bread. *Cereal Chem.* 77(4):428-432.
- Jackson, D.S., R.D. Waniska and L.W. Rooney. 1992. Molecular Weight Patterns of Nageli Amylodextrins. *Starke* 44(2):59-61.
- Jackson, D.S., M.H. Gomez, R.D. Waniska and L.W. Rooney. 1990. Effects of Single-Screw Extrusion on Starch. *Cereal Chem.* 67:529-532.
- Jackson, D.S., R.D. Waniska and L.W. Rooney. 1989. Differential Water Solubility of Corn and Sorghum Starches as Characterized by HPLC-Size Exclusion Chromatography (HPLC-SEC). *Cereal Chem.* 66:228-232.

- Jackson, D.S., C.C. Owen, R.D. Waniska and L.W. Rooney. 1988. Characterization of starch cooked in alkali by Aqueous High-Performance Size-Exclusion Chromatography. *Cereal Chem.* 65(6):493-496.
- Jambunathan, R., L.G. Butler, R. Bandyopadhy, and L.K. Mughogho. 1986. Polyphenol Concentrations in Grain, Leaf, and Callus Tissue of Mold Susceptible and Mold Resistant Sorghum Cultivars. *J. Agric. Food Chem.* 34:425-429.
- Jimenez-Ramsey, L.M., J.C. Rogler, T.L. Housley, L.G. Butler and R.G. Elkin. 1994. Absorption and Distribution of C¹⁴-labelled Condensed Tannins and Related Sorghum Phenols in Chickens. *J. Agric. Food Chem.* 42:963-967.
- King, D., M.Z. Fan, G. Ejeta, A. Asem, and O. Odeola. 2000. The effects of tannins on nutrient utilization in the White Pekin duck. *British Poultry Science* 41:630-639.
- Kirleis, A.W., K.D. Crosby and T.L. Housley. 1984. A method for quantitatively measuring vitreous endosperm area in sectioned sorghum grain. *Cereal Chem.* 61:556-558.
- Kotarski, S.F., R.D. Waniska and K.K. Thurn. 1992. Starch hydrolysis in the ruminal microflora. *Journal of Nutr.* 122:178-190.
- Leon-Chapa, M.C. 1999. Utilization of sorghum flour in cookies. Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA), National Grain Sorghum Producers Association, Tucson, AZ, February 21-23, p. 37-38, 74-77.
- Leon-Chapa, M.C., E.L. Suhendro, C.M. McDonough, R.D. Waniska and L.W. Rooney. 1998. Utilization of sorghum flour in cookies. AACC 83rd Annual Meeting, September 13-17, Minneapolis, MN. *Cereal Foods World* 43(7):531.
- Lin, Y.P., Aboubacar, A., Zehr, B.E., Hamaker, B.R. 2002. Corn dry-milled grit and flour fractions exhibit differences in amylopectin fine structure and gel texture. *Cereal Chem.* 79:354-358.
- McDonough, C.M. and L.W. Rooney. 1999. Use of the environmental scanning electron microscope in the study of cereal-based foods. *Cereal Foods World* 44(5):342-348.
- McDonough, C.M., X.S. Quintero-Fuentes and L.W. Rooney. 1998. Waxy and gelatinized starches in baked tortilla chips. AACC 83rd Annual Meeting, September 13-17, Minneapolis, MN. *Cereal Foods World* 43(7):486.
- McDonough, C., B.J. Anderson, H. Acosta-Zuleta, and L.W. Rooney. 1998. Steam flaking characteristics of sorghum hybrids and lines with differing endosperm characteristics. *Cereal Chem.* 75(5):634-638.
- McDonough, C., B.J. Anderson, and L.W. Rooney. 1998. The effect of conditioning agents on the structure of tempered and steam-flaked sorghum. *Cer. Chem.* 75:(1):58-63.
- McDonough, C., B.J. Anderson, and L.W. Rooney. 1997. Structural characteristics of steam-flaked sorghum. *Cereal Chem.* 74(5):542-547.
- McDonough, C., M.H. Gomez, J.K. Lee, R.D. Waniska and L.W. Rooney. 1993. Environmental scanning electron microscopy evaluation of tortilla chip microstructure during deep-fat frying. *J. Food Sci.* 58(1):199-203.

- McDonough, C.M. and L.W. Rooney. 1989. Structural Characteristics of Pennisetum Americanum (pearl millet) using scanning electron and fluorescence microscopies. *Food Microstructure* 8:137-149.
- McDonough, C.M., L.W. Rooney and C.F. Earp. 1986. Structural characteristics of Eleusine corocana (Finger Millet) using scanning electron and fluorescence microscopy. *Food Microstructure*. 5:247-256.
- Mehansho, H., T.N. Asquith, L.G. Butler, J.C. Roger and D.M. Carlson. 1992. Tannin Mediated Induction of Proline-Rich Protein Synthesis. *J. Agric. Food Chem.* 40:93-97.
- Mehansho, H., L.G. Butler, J.C. Rogler and D.M. Carlson. 1987. Induction of proline-rich proteins in hamster salivary glands by isoproterenol treatment and unusual growth inhibition by tannins. *J. Biol. Chem.* 262:12344-12350.
- Miranda-Lopez, R., C.M. McDonough, R.G. Moreira and L.W. Rooney. 1998. Corn tortilla staling changes evaluated by instrumental and sensory methods. AACC 83rd Annual Meeting, September 13-17, Minneapolis, MN. *Cereal Foods World* 43(7):486.
- Mohamed, A.A., B.R. Hamaker and A. Aboubacar. 1993. Effects of flour-to-water ratio and time of testing on sorghum porridge firmness as determined by a uniaxial compression test. *Cereal Chem.* 70:739-743.
- Mohammed, S.I., L.R. Steenson and A.W. Kirleis. 1991. Isolation and characterization of microorganisms associated with the traditional sorghum fermentation for production of Sudanese kisra. *Appl. Environ. Microbiol.* 57:2529-2533.
- Moheno-Perez, J.A., H.D. Almeida-Dominguez, and S.O. Serna-Saldivar. 1997. Effect of fiber degrading enzymes on wet-milling and starch properties of different types of sorghums and maize. *Starch* 49(12):480-484.
- Mole, S., J.C. Rogler and L.G. Butler. 1993. Herbivore Growth Reduction by Tannins: Different Effects Due to Different Tannins. *Biochemical Systematics and Ecology* 21:667-677.
- Mole, S., L.G. Butler and G. Iason. 1990. Defense Against Dietary Tannin in herbivores: A survey for proline-rich salivary proteins in mammals. *Biochemical Systematics and Ecology*. 18:287-293.
- Mole, S., J.C. Roger, C.J. Morell and L.G. Butler. 1990. Herbivore growth reduction by tannins: use of waldbauer ratio techniques and manipulation of salivary protein production to elucidate mechanisms of action. *Biochemical Systematics and Ecology*. 18:183-197.
- Morad, M.M., F.Y. Iskander, L.W. Rooney and C.F. Earp. 1986. Physico-chemical properties of alkali-cooked corn using traditional and presoaking procedures. *Cereal Chem.* 63(3):255-258.
- Morad, M.M., C.A. Doherty and L.W. Rooney. 1984. Effect of sorghum variety on baking properties of U.S. conventional bread, Egyptian Pita "Balady" bread, and cookies. *J. Food Sci.* 49:1070-1074.
- Morad M.M., C.A. Doherty and L.W. Rooney. 1984. Utilization of dried distiller grain from sorghum in baked food systems. *Cereal Chem.* 61(5):409.
- Mukuru, S., L. Butler, J.C. Rogler, A. Kirleis, G. Ejeta, J. Axtell and E. Mertz. 1992. Traditional processing of high-tannin sorghum grain in Uganda and its effect on tannin, protein digestibility and rat growth. *J. Agric. Food Chem.* 40:1172-1175.

- Oria, M.P., B.R. Hamaker and J.M. Shull. 1995. Resistance of sorghum \pm -, 2 -, and 3 -kafirins to pepsin digestion. *J. Agric. Food Chem.* 43:2148-2153.
- Oria, M.P., B.R. Hamaker and J.M. Shull. 1994. In vitro protein digestibility of developing and mature sorghum grain in relation to \pm -, 2 - and 3 -kafirin disulfide crosslinking. *J. Cereal Sci.*22:85-93.
- Osorio-Morales, S., S.O. Serna-Saldivar, J. Chavez-Contreras, H.D. Almeida-Dominguez and L.W. Rooney. 2000. Production of brewing adjuncts and sweet worts from different types of sorghum. *J. American Soc. Brewing Chem.* 58(1)21-25.
- Pflugfelder, R.L., L.W. Rooney, and L.M. Schake. 1986. The role of germination in sorghum reconstitution. *Animal Feed Sci. & Tech.* 14:243-254.
- Poe, J.H., R.D. Waniska, C.A. Doherty, C.F. Earp, and L.W. Rooney. 1985. Phenolic acids in sorghum kernels during development. *Cereal Foods World.* 30 (8):
- Putman, L.J. and L.G. Butler. 1989. Separation of high molecular weight sorghum procyanidins by high performance liquid chromatography. *J. Agric. Food Chem.* 37:943-946.
- Putman, L.J. and L.G. Butler. 1985. Fractionation of condensed tannins by counter-current chromatography. *J. Chromatography* 318:85-93.
- Quintero-Fuentes, X., C.M. McDonough, L.W. Rooney and H. Almeida-Dominguez. 1999. Functionality of rice and sorghum flours in baked tortilla and corn chips. *Cereal Chem.* 76(5):705-710.
- Quintero-F., X. and L.W. Rooney. 1999. Effects of waxy and heterowaxy sorghum on tortilla texture during storage Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA), National Grain Sorghum Producers Association, Tucson, AZ, February 21-23, p. 37.
- Quintero-Fuentes, X., R.D. Waniska and L.W. Rooney. 1998. Effect of amylopectin level on texture and starch changes during aging of maize and sorghum tortillas. AAXX 83rd Annual Meeting, September 13-17, Minneapolis, MN. *Cereal Foods World* 43(7):562.
- Rahmanifar, A. and B.R. Hamaker. 1999 Potential nutritional contribution of quality protein maize in poor communities: a close-up on children's diets. *Ecol. Food and Nutri* 38:165-82.
- Reddy, V. and L.G. Butler. 1989. Incorporation of 14 C-Phenylalanine into sorghum tannin. *J. Agr. Food Chem.* 37:383-384.
- Ring, S.H., J.O. Akingbala and L.W. Rooney. 1989. A study of factors affecting amylose content of sorghum. *Starch/Starke* 41(12):457-461.
- Ring, A.S., R.D. Waniska, L.W. Rooney. 1988. Phenolic Compounds in Different Sorghum Tissues During Maturation. *Biomass* 17:39-49.
- Ring, A.S., R.D. Waniska, and L.W. Rooney. 1985. Phenolic compounds in various sorghum tissues during maturation. *Cereal Foods World.* 30 (8):552.
- Rodriguez-Herrera, Raul, Ralph D. Waniska and William L. Rooney. 1999. Antifungal proteins and grain mold resistance in sorghum with non-pigmented testa. *J. Agricultural and Food Chem.* 47(11):4802-4806.

- Rodriguez-Herrera, R., W.L. Rooney, D. Waniska, D.T. Rosenow, and R.A. Frederiksen. 1999. Antifungal proteins and grain mold resistance in sorghum with non-pigmented testa. p. 33. *In.*: Proc. of 21st Biennial Grain Sorghum Research and Utilization Conference, Feb. 21-23, 1999, Tucson, AZ.
- Rooney, T.K., J.R. Lupton and L.W. Rooney. 1992. Physiological characteristics of sorghum and millet brans in the rat model. *Cereal Foods World* 37(10):782-786.
- Rooney, T.K., J. Lupton and L.W. Rooney. 1992. Physiological characteristics of sorghum and millet brans in the rat model. *Cereal Foods World* 37(10):782-786.
- Rooney, L.W. and R.L. Pflugfelder. 1986. Factors affecting starch digestibility with special emphasis on sorghum and corn. *J. Animal Sci.* 63:1607-1623.
- Seetharaman, K., E. Whitehead, Nancy P. Keller, R.D. Waniska and L.W. Rooney. 1997. *In vitro* activity of sorghum seed antifungal proteins against grain mold pathogens. *J. of Ag and Food Chem* 45(9):3666-3671.
- Seetharaman, K., Waniska, R.D. and Rooney, L.W.. 1996. Physiological changes in sorghum antifungal proteins. *J. Agric. Food Chem.* 44:2435-2441.
- Seitz, L.M., R.L. Wright, R.D. Waniska and L.W. Rooney. 1993. Contribution of 2-acetyl-1-pyrroline to odors from wetted, ground pearl millet. *J. Agric. Food Chem.* 41(6):955-958.
- Sell, D.R., W.M. Reed, C.L. Chrisman, and J.C. Rogler. 1985. Mucin excretion and morphology of the intestinal tract as influenced by sorghum tannins. *Nutr. Rep. Int.* 31:743-749.
- Serna-Saldivar, S.O., C.J. Clegg and L.W. Rooney. 1994. Effects of parboiling and decortication on the nutritional value of sorghum (*Sorghum bicolor* L. Moench) and pearl millet (*Pennisetum glaucum* L.). *J. Cereal Sci.* 19:83-89.
- Serna-Saldivar, S.O., M.H. Gomez, F.A. Gomez, D.H. Meckenstock, C.C. Cossette and L.W. Rooney. 1994. The tortilla making properties of two improved Maicillo cultivars from Honduras. *Archivos Latinoamericanos de Nutricion* Vol. 43(4):299-303.
- Serna-Saldivar, S.O., L.W. Rooney and L.W. Greene. 1991. Effects of lime treatment on the bioavailability of calcium in diets of tortillas and beans: bone and plasma composition in rats. *Cereal Chem* 69(1):78-81.
- Serna-Saldivar, S.O., D.A. Knabe, L.W. Rooney, T.D. Tanksley, Jr. and A.M. Sproule. 1988. Nutritional value of sorghum and maize tortillas. *J. Cereal Sci.* 7:83-94.
- Serna-Saldivar, S.O., L.W. Rooney and R.D. Waniska. 1988. Wheat flour tortilla production. *Cereal Foods World* 33:855-864.
- Serna-Saldivar, S.O., A. Tellez-Giron and L.W. Rooney. 1988. Production of tortilla chips from sorghum and maize. *J. Cereal Sci.* 8:275-284.
- Serna-Saldivar, S.O., D.A. Knabe, L.W. Rooney and T.D. Tanksley, Jr. 1987. Effects of lime cooking on nutrient digestibilities of maize and sorghum. *Cereal Chem.* 64(4):247-252.
- Serna-Saldivar, S.O., D.A. Knabe, L.W. Rooney, T.D. Tanksley, and A.S. Sproule. 1985. Nutritional evaluation of sorghum and maize tortillas. *Cereal Foods World.* 30 (8):539.

- Shull, J.M., J.J. Watterson, and A.W. Kirleis. 1991. Proposed nomenclature for the alcohol-soluble proteins (kafirins) of *Sorghum bicolor* (L.) Moench based on molecular weight, solubility and structure. *J. Agric. Food Chem.* 39:83-87.
- Shull, J.M., A. Chandrashekar, A.W. Kirleis and G. Ejeta. 1990. Development of sorghum (*Sorghum bicolor*(L.) Moench) endosperm in varieties of varying hardness. *Food Structure* 9:253-267.
- Simpson, E.J., Jr., L.M. Schake, R.L. Pflugfelder, and J.K. Riggs. 1985. Evaluation of moisture uptake, aerobic and anaerobic phases of reconstitution upon sorghum grain digestibility and performance of steers. *J. Animal Sci.* 60 (4):877-882.
- Stuart, M.A., P.E. Johnson, B.R. Hamaker, and A.W. Kirleis. 1987. Absorption of zinc and iron by rats fed meals containing sorghum food products. *J. Cereal Sci.* 6:81-90.
- Suhendro, E.L., C.F. Kunetz, C.M. McDonough, L.W. Rooney and R.D. Waniska. 2000. Cooking characteristics and quality of noodles from food sorghum. *Cereal Chem.* 77(2):96-100.
- Suhendro, E.L., H.D. Almeida-Dominguez, L.W. Rooney, R.D. Waniska and R.G. Moreira. 1999. Use of extensibility to measure corn tortilla texture. *Cereal Chem.* 76(4):536-540.
- Suhendro, Elly L., Joseph Awika and Lloyd W. Rooney. 1999. Composition and quality attributes of commercial food sorghum hybrids. Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA), National Grain Sorghum Producers Association, Tucson, AZ, February 21-23. p. 37.
- Suhendro, E.L., H.D. Almeida-Dominguez, L.W. Rooney, R.D. Waniska and R.G. Moreira. 1998. Methods to measure texture of corn tortillas. AACC 83rd Annual Meeting, September 13-17, Minneapolis, MN. *Cereal Foods World* 43(7):564.
- Suhendro, E.L., H.D. Almeida-Dominguez, L.W. Rooney, R.D. Waniska and .G. Moeira. 1998. Tortilla bending technique: an objective method for corn tortilla texture measurement. *Cereal hem.* 75(6):854-858.
- Suhendro, E.L., H. Almeida-Dominguez, L.W. Rooney and R.D. Waniska. 1998. Objective rollability method for corn tortilla texture measurement. *Cereal Chem.* 75(3):320-324.
- Suhendro, E.S., C.M. McDonough, L.W. Rooney, R.D. Waniska, and S. Yetneberk. 1998. Effects of processing conditions and sorghum cultivar on alkaline-processed snacks. *Cereal Chem.* 75(2):187-193.
- Sweat, V.E., J.M. Faubion, L. Gonzalez-Palacios, G. Berry, J.O. Akingbala and L.W. Rooney. 1984. Gelatinization energy and temperature of sorghum and corn starches. *Trans. ASAE.* 27(6):1960-1963.
- Torres, P.I., B. Ramirez, S.O. Serna-Saldivar, L.W. Rooney. 1994. Effect of decorticated sorghum addition on the rheological properties of wheat tortilla dough. *Cereal Chem.* 71:(5):509-512.
- Torres, P.I., B. Ramirez-Wong, S.O. Serna-Saldivar and L.W. Rooney. 1993. Effect of sorghum flour addition on the characteristics of wheat flour tortillas. *Cereal Chem.* 70(1):8-13.
- Toure, A., K. Traore, A. Bengaly, J.F. Scheuring, D.T. Rosenow, and L.W. Rooney. 1998. The potential of local cultivars in sorghum improvement in Mali. *African Crop Science Journal*, Vol. 6(1):1-7.
- Vivas, N.E., R.D. Waniska and L.W. Rooney. 1992. Effects on proteins in sorghum, maize and pearl millet when processed into acidic and basic t \hat{o} . *Cereal Chem.* 69(6):673-676.

- Vivas, N.E., R.D. Waniska and L.W. Rooney. 1987. Thin porridges (atole) from maize and sorghum. *Cereal Chem.* 64:390-394.
- Vivas, N.E., R.D. Waniska and L.W. Rooney. 1987. Effect of tortilla production on proteins in sorghum and maize. *Cereal Chem.* 64:384-389.
- Vivas, N.E., R.D. Waniska, and C.A. Doherty. 1985. Characterization of sorghum proteins during seed development by SDS-PAGE. *Cereal Foods World.* 30 (8):552.
- Vivas-Rodriguez, N.E., S.O. Serna-Saldivar, R.D. Waniska and L.W. Rooney. 1990. Effect of Tortilla Chip Preparation on the Protein Fractions of Quality Protein Maize, Regular Maize and Sorghum. *J. Cereal Sci.* 12:289-296.
- Waniska, Ralph D., R.T. Venkatesha, A. Chandrashekar, S. Krishnaveni, F.P. Bejosano, J. Jeoung, J. Jayaraj, S. Muthukrishnan, and G.H. Liang. 2001. Antifungal proteins and other mechanisms in the control of sorghum stalk rot and grain mold. *J. Agric. Food Chem.* 49:4732-4742.
- Waniska, Ralph D., R.T. Venkatesha, A. Chandrashekar, S. Krishnaveni, F.P. Bejosano, J. Jeoung, J. Jayaraj, S. Muthukrishnan, and G.H. Liang. 2001. Antifungal proteins and other mechanisms in the control of sorghum stalk rot and grain mold. *J. Agric. Food Chem.* 49:4732-4742
- Waniska, Ralph D., Somkid Clarke, Koushik Seetharaman and Lloyd W. Rooney. 1999. Stress response and mobility of chitinase and glucanase in sorghum caryopses. Proceedings of the 21st Biennial Sorghum Improvement Conference of North America (SICNA), National Grain Sorghum Producers Association, Tucson, AZ, February 21-23. p. 63-64.
- Waniska, R.D. and M.H. Gomez. 1992. Dispersion behavior of starch. *Food Technology* 46(6):110-123.
- Waniska, R.D., L.F. Hugo and L.W. Rooney. 1992. Practical methods to determine the presence of tannins in sorghum. *J. Applied Poultry Res.* 1:122-128.
- Waniska, R.D., R. Bandyopadhyay and J.H. Poe. 1989. Effects of growth conditions on grain molding and phenols in sorghum caryopsis. *J. Cereal Sci.* 10:217-225.
- Waniska, R.D., A.S. Ring, C.A. Doherty, J.H. Poe and L.W. Rooney. 1988. Inhibitors in sorghum biomass during growth and processing into fuel. *Biomass* 15:155-164.
- Waniska, R.D., C.A. Doherty, C.F. Earp, and L.W. Rooney. 1985. Phenolic compounds in sorghum kernels at anthesis through maturity. *Cereal Foods World.* 30 (8):552.
- Watterson, J.J., J.M. Shull and A.W. Kirleis. 1993. Quantitation of \pm -, 2 -, and 3 -kafirins in vitreous and opaque endosperm of *Sorghum bicolor*. *Cereal Chem.* 70:452-457.
- Watterson, J., J.M. Shull, A.A. Mohamed, V. Reddy and A.W. Kirleis. 1990. Isolation of a high-cysteine kafirin protein and its cross reactivity with gamma-zein antiserum. *J. Cereal Sci.* 12:137-144.
- Weaver, C., B. Hamaker, and J.D. Axtell. 1998. Discovery of grain sorghum germplasm with high uncooked and cooked in vitro protein digestibility. *Cereal Chem.* 75:665-670.
- Young, R., M.H. Gomez, C.M. McDonough, R.D. Waniska and L.W. Rooney. 1993. Changes in Sorghum Starch During Parboiling. *Cereal Chem.* 70(2):179-183.

- Young, R., M. Haidara, L.W. Rooney and R.D. Waniska. 1990. Parboiled sorghum: development of a novel decorticated product. *J. Cereal Sci.* 11:277-289.
- Zhang, G. and Hamaker, B.R. 2003. A three component interaction among starch, protein, and free fatty acids revealed by pasting profiles. *J. Agric. Food Chem.* 51:2797-2800.
- Zhang, G., Maladen, M.D., and Hamaker, B.R. 2003. Detection of a novel three component complex consisting of starch, protein, and free fatty acids. *J. Agric. Food Chem.* 51:2801-2805.
- Zhang, G. and B.R. Hamaker. 1998. Low \pm amylase starch digestibility of cooked sorghum flours and the effect of protein. *Cereal Chem.* 75:710-3.
- Zhang, G. and B.R. Hamaker. 1998. Lipids affect sorghum flour pasting properties. *Cereal Foods World* 43:522.
- Zhang, G. and B.R. Hamaker. 1998. SDS-sulfite increases enzymatic hydrolysis of native sorghum starches. *Starch/Staerke* (51:21-25).

Book, Book Chapters and Proceedings

- Aboubacar, Adam and Bruce Hamaker. 2002. Processing sorghum and millets into value-added products. p. 241-245. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop.* Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Acosta, David. 2003. Extrudates made from a food-type white sorghum. Pp. 119-127.. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (Eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, Feb. 16-18, 2003, Albuquerque, New Mexico, U.S.*
- Acosta, D., M. Barron, M. Riaz, R. Waniska, and L. Rooney. 2003. Decortication level and particle size effect on direct-expanded white sorghum extrudates. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 36. Albuquerque, New Mexico, U.S.*
- Acosta, D., M. Riaz, R.D. Waniska, and L.W. Rooney. 2003. Decortication level and particle size effects on extrudates made from a food-type white sorghum. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 119. Albuquerque, New Mexico, U.S.*
- Akintayo, I. and J. Ndjeunga. 2002. Pilot project report on sorghum and pearl millet utilization. p. 239-240. *In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop.* Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Almeida-Dominguez, H.D., M.M. Ku-Kumul, C.M. McDonough, and L.W. Rooney. 1996. Effect of extrusion parameters on physicochemical and pasting characteristics of a food type white sorghum. 1994. AACC RVA Symposium: Applications of the Rapid Visco Analyser: 31-35.
- Awika, J.M., L.W. Rooney, X.L. Wu, R.L. Prior, and L. Cisneros. 2003. Antioxidant properties of sorghum measured by three methods. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 34. Albuquerque, New Mexico, U.S.*

- Awika, J. M., Rooney, L.W., and Waniska, R.D. 2001. Exploring the potential of sorghum phenols as antioxidants. 2001 Sorghum Industry Conference & 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, Nashville, TN, p. 103-107.
- Andrews, D.J. and J.F. Rajewski. 1995. Origin, characteristics and uses of pearl millet. p. 1-4. *In* Teare, I.D., (ed.) Proc. 1st Natl. Grain Pearl Millet Symposium, University of Georgia, Tifton, GA.
- Axtell, J. and E. Mertz. 1991. Historical perspectives of sorghum protein digestibility. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Bejosano, F.P., W. L. Rooney, R. R. Klein, L. W. Rooney, and R. D. Waniska. 2003. Antifungal proteins in commercial hybrids and elite sorghums. *In* J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 38. Albuquerque, New Mexico, U.S.
- Beta, T., L.W. Rooney and J.R.N. Taylor. 1998. Sorghum phenolics and their implications in food processing. Chapter in: Asian Food Product Development. Science Press. H. Corke and R. Lin (ed.) p. 159-163.
- Bezueh, Taye, and John H. Sanders. 1995. Research orientation towards the needs of cereal-based agro-industries. p. 229-235. *In* J.M. Nenyonga, Taye Bezueh, C.C. Nwasike, P.M. Sedego and A. Tenkouano (eds.). Processing and industrial utilization of sorghum and related cereals in Africa. Ouagadougou, Burkina Faso, Nov. 22-26, 1993. The Coordination Office, OAU/STRC-SAFGRAD Semi-Arid Food Grain Research and Development, Ouagadougou, Burkina Faso.
- Bramel-Cox, P.J., K. Anand Kumar, J.H. Hancock, and D.J. Andrews. 1995. Sorghum and millets for forage and feed. Chapter 11, p. 325-364. *In* D.A.V. Dendy (ed.) Sorghum and Millets: Chemistry and Technology. American Assoc. of Cereal Chem.
- Bressani, R. 1991. Nutritive value of high lysine cereals. p. 50-74. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Bueso, F., Medina, J., Carrillo, P., Rooney, L.W. and Suhendro, E. 2001. Quality and shelf stability of alkaline cooked products made with food-type sorghums versus corn. 2001 Sorghum Industry Conference and 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, Nashville, TN, p. 116-120.
- Butler, L.G. 1993. Polyphenols and Herbivore Diet Selection and Nutrition. p. 149-154. *In* Polyphenolic Phenomena (Scalbert, A., ed.) INRA Editions, Paris.
- Butler, L.G. and K.D. Bos. 1993. Analysis and Characterization of Tannins in Faba Beans, Cereals and Other Seeds, A Literature Review. p. 81-89. Proc. 2nd International Workshop on Anti-Nutritional Factors in Legume Seeds. Dec. 1-3, 1993, EAAP Publication #70, Wageningen, Netherlands.
- Butler, L.G. 1992. Antinutritional Effects of Condensed and Hydrolyzable Tannins. p. 693-698. *In* Plant Polyphenols. R.W. Hemingway and P.E. Laks (eds.). Plenum Press, New York.
- Butler, L.G. and J.C. Rogler. 1992. Biochemical Mechanisms of the Antinutritional Effects of Tannins, p. 298-304. *In* Phenolic Compounds in Food and Their Effects on Health. C.T. Ho, C.Y. Lee and M.T. Huang, (eds.). ACS Books, Washington, D.C.

- Butler, L. 1991. The nature and amelioration of the antinutritional effects of tannins in sorghum grain. p. 191-205. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Cantrell, R. 1991. Quality protein maize: A better lunch but not a free one. p. 41-49. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Creelman, R.A., L.W. Rooney and F.R. Miller. 1982. Sorghum. Chapter. p. 395-426. *In* Cereals: A Renewable Resource, Theory and Practice. Y. Pomeranz and L. Munck (eds.). American Association of Cereal Chemists. Minneapolis, MN.
- Diouf, Mamadou. 2002. Contribution of PROCELOS to the marketing of food products in Sahelian countries. p. 228-230. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Eggum, B. 1991. Importance of sorghum as a food in Africa p. 222-228. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Fliedel, G, C. Sambumukama, L. Songre and F. Matencio. 2002. Evaluation of sorghum grain quality for traditional thick porridge in Africa. p. 213-225. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Gordon, L.A., Awika, J., Rooney, L.W., Waniska, R.D. and Suhendro, E.L. 2001. Characteristics of breads baked with sorghum brans high in phenolic compounds. 2001 Sorghum Industry Conference and 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, Nashville, TN, p. 98-102.
- House, Lee. 2002. Factors and recommendations concerning seed production. p. 231-238. *In* Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Hagerman, A.E. and L.G. Butler. 1991. Tannins and Lignins, in Herbivores: Their Interaction with Secondary Plant Metabolites, 2E Volume 1, The Chemical Participants. G.A. Rosenthal and M.R. Berenbaum (eds.), p. 355-388, Academic Press.
- Hamaker, B.R. and B.A. Larkins. 2002. Maize food and feed: a current perspective and consideration of future possibilities, in Transgenic Crops, Marcel Dekker, Inc., New York, p. 637-654.
- Hamaker, B.R. and J.D. Axtell. 1997. Nutritional quality of sorghum and pearl millet. P. 531-538 in D. Rosenow et al. (eds). Proc. of International Conference on the Genetic Improvement on Sorghum and Millet. September 23-27, 1996, Lubbock, Texas. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Hamaker, B.R., M.P. Oria, C.A. Weaver, and J.D. Axtell. 1997. Improving sorghum nutritional quality. P. 272-292 in B.A. Larkins and E.T. Mertz (eds.). Proceedings of International Symposium on Quality Protein Maize: 1964-1994, Sete Lagoas, Brazil. Purdue University, West Lafayette, IN.
- Hamaker, B.R., J.D. Axtell, and J.D. Hancock. 1997. Nutritional quality of sorghum and pearl millet. p. 531-538. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum

- and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Hamaker, B.R. and A. Rahmanifar. 1996. QPM and nutritional needs of children in poor communities. pp 27-40. *In Proceedings of the International Symposium on Quality Protein Maize*, B.A. Larkins and E.T. Mertz (eds.). Purdue University, West Lafayette, IN.
- Hamaker, B.R., C.A. Weaver, M.P. Oria and J.D. Axtell. 1995. A new sorghum genotype with high protein digestibility. p. 52-53. *In 19th Biennial Grain Sorghum Research and Utilization Conference*, March 5-7, Lubbock, TX.
- Hoseney, R.C., D.J. Andrews and H. Clark. 1987. Sorghum and pearl millet. p. 397-456. *In R.A. Olson and K.J. Frey (eds.) Nutritional Quality of Cereal Grains: Genetic and Agronomic Improvement*. Agronomy Monograph No. 28, American Society of Agronomy, Madison, WI.
- Hugo, L.F., R.D. Waniska, and L.W. Rooney. 1997. Production of bread from composite flours. *Proceedings: Harnessing Cereal Science and Technology for Sustainable Development*, CSIR ICC-SA Symposium, September 1-4, 1997, Pretoria, South Africa, p. 100-114.
- Hulse, J. 1991. Crop quality, nutrition and agro-industries. p. 211-215. *In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Kirleis, A.W. 1991. The prolamines of Sorghum: their role in protein digestibility. p. 168-176. *In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Knabe, D. 1991. Sorghum as a swine feed. p. 95-107. *In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Leal-Diaz, A., N. Maranphal, and L. Silva. 2003. Bongos the cool snack. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference*, p. 39. Albuquerque, New Mexico, U.S.
- Lusas, Ed and Rooney, Lloyd W., eds. *Snack Foods Processing*. 2001. Technomic Publishing Company, Lancaster, PA. 639 p.
- Magnavaca, R. 1991. Quality protein maize development in Brazil. p. 75-82. *In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Maranphal, N., M. Barron, L. Rooney, R. D. Waniska, and M. N. Riaz. 2003. Extrusion properties of sorghum for direct expanded snacks. *In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference*, p. 37. Albuquerque, New Mexico, U.S.
- Maunder, B. 1991. Importance of sorghum on a global scale. p. 8-16. *In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality*, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.

- McDonough, C.M., L. Dykes, J. Awika, L.W. Rooney, and R.D. Waniska. 2003. False positives for tannin sorghum in non-tannin sorghum using the bleach test. In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 35. Albuquerque, New Mexico, U.S.
- McDonough, Cassandra M., Lloyd W. Rooney and Sergio Othon Serna-Saldivar. 2000. The millets. Chapter in: Handbook of Cereal Science and Technology: Second Edition. Marcel Dekker, Inc., Kulp, Karel and Joseph Ponte (ed.) pp 177-201.
- Mertz, E.T. 1991. Improvement of cereal protein quality through mutations: Historical review. 1991. p. 20-24. In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Mole, S., J. Rogler and L.G. Butler. 1990. Use of ¹⁵N-Labeled Protein to Determine the Effect of Dietary Tannin on the Relative Abundance of Endogenous and Dietary Protein in Feces. p. 121-123. Proc. 15th International Conference of the Group Polyphenols. July 9-12, 1990. Strasbourg, France.
- Mukuru, S. 1991. Traditional food grain processing methods in Africa. p. 216-221. In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Murty, D.S., S.A. Bello, and C.C. Nwasike. 1997. Status and breeding requirements for sorghum utilization in beverages in Nigeria. p. 558-567. In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Nicholson, N.F. and J.R.N. Taylor. 1997. Sorghum and millet for food: Current situation and future needs in Southern Africa. p. 568-583. In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Ndoye, Ababacar. 2002. Senegalese experience in initiation and strengthening semi-industrial millet-based food technology plants in urban areas. p. 226-227. In Proceedings of West African Hybrid Sorghum and Pearl Millet Seed Workshop. Sept. 28-Oct. 2, 1998. Niamey, Niger. INTSORMIL, University of Nebraska, Publ. No. 02-02.
- Oria, M.P., B.R. Hamaker and J.D. Axtell. 2000. A highly digestible sorghum cultivar exhibits a unique folded structure of endosperm protein bodies. Proc. National Academy of Sciences USA. 97(10):5065-5070.
- Pedersen, J.F. 1997. Breeding sorghum and pearl millet for forage and fuel. p. 539-548. In D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Pushpamma, R. 1991. Importance of sorghum as a food in Asia. p. 229-242. In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Rogler, J. and R. Elkin. 1991. Sorghum as a feedstuff for poultry. p. 106-116. In Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.

- Rooney, L.W. 2003. Market development for white food sorghums. In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 32. Albuquerque, New Mexico, U.S.
- Rooney, L.W. 2003. Sorghum composition, structure, and quality. In J. A. Dahlberg, R. Kochenower, R. Klein, B. Rooney, S. Bean, B. Pendleton, J. Stack, and B. Maunder (eds.) Proc. 23rd Biennial Grain Sorghum Research and Utilization Conference, p. 33. Albuquerque, New Mexico, U.S.
- Rooney, L.W. 2003. Overview: sorghum and millet food research failures and successes. 9 Pp. In P.S. Belton and J.R.N. Taylor (Eds.). Proceedings of the AFRIPRO Workshop on the Proteins of Sorghum and Millets: Enhancing Nutritional and Functional Properties for Africa. April 2-4, 2003. Pretoria, South Africa.
- Rooney, L.W. 2002. Constraints to utilization of sorghum/millet in value-added foods. In INTSORMIL Project Investigators Conference, November 18-20, 2002. Addis Ababa, Ethiopia.
- Rooney, L.W. and F. Herrera. 2002. Central American utilization of sorghum for food. In INTSORMIL Project Investigators Conference, November 18-20, 2002. Addis Ababa, Ethiopia.
- Rooney, L.W. 2002. White food sorghum utilization properties and advantages for extrusion. US Grain Council Japanese Trade Team, September 19-21, College Station, Texas, U.S.
- Rooney, L.W. and S.O. Serna-Saldivar. 2003. Sorghum. In B. Caballero, LC Trugo, and PM Finglas (Eds.). Encyclopedia of Food Sciences and Nutrition, 2nd ed., Volume 8, Academic Press, London. Pp 5370-5375.
- Rooney, Lloyd W. 2001. Food sorghums-perspectives and marketing. 2001 Sorghum Industry Conference and 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, Nashville, TN. p. 40-44.
- Rooney, Lloyd W. 2001. Future sorghum food and industrial utilization markets. 4th Australian Sorghum Conference. February 5-8, 2001, p. 40-44.
- Rooney, L.W. and R.D. Waniska. 2000. Sorghum food and industrial utilization. In C.W. Smith and R.A. Frederiksen (Eds.). Sorghum: Origin, History, Technology, and Production. New York, NY. Pp. 689-729.
- Rooney, Lloyd W. 1997. Constraints to utilization of sorghum and millet. Proceedings: Harnessing Cereal Science and Technology for Sustainable Development, CSIR ICC-SA Symposium, September 1-4, 1997, Pretoria, South Africa. p.19-33.
- Rooney, Lloyd W., R.D. Waniska, and R. Subramanian. 1997. Overcoming constraints to utilization of sorghum and millet. p. 549-557. In Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, Lubbock, TX. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Rooney, L.W. 1996. Networking: INTSORMIL activities in Proc. Regional Workshop on Sorghum and Pearl Millet Food Technology in SADC Countries, January 29-30, Harare, Zimbabwe. p. 57-61.
- Rooney, L.W. 1996. Sorghum and millets. In Cereal Grain Quality, R.J. Henry and P.S. Kettlewell, eds. Chapman & Hall, London, pp.153-177.
- Rooney, Lloyd W. 1996. Attributes of improved quality sorghums for value-added marketing. ASTA Proceedings of the Fifty-First Annual Corn and Sorghum Research Conference. December 10, 1996, Chicago, IL., p. 112-124.

- Rooney, Lloyd W. 1996. Factors affecting utilization and improvement of sorghum. Proceedings of the Third Australian Sorghum Conference, February 20-22, Tamworth, New South Wales, p. 217-223.
- Rooney, Lloyd W. 1996. Sorghum utilization and food quality. Proceedings of the Third Australian Sorghum Conference, February 20-22, Tamworth, New South Wales, p. 261-276.
- Rooney, L.W. and F.R. Miller. 1994. Sorghum. Encyclopedia of Agricultural Science, ed. C. Arntzen, Academic Press, Inc. Vol. 4:169-179.
- Rooney, L.W. 1993. Critically important advantages of food sorghums for domestic and international market development. p. 108-112. Proc. 18th Biennial Grain Sorghum Research & Utilization Conf., Lubbock, TX, Feb. 28-March 2.
- Rooney, L.W., F.R. Miller, D.T. Rosenow and R.D. Waniska. 1993. JOWAR, a new cereal for food utilization. p. 63. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. Lubbock, TX. Feb. 28 - March 2.
- Rooney, L.W. and S.O. Serna-Saldivar. 1993. Sorghum. p. 4210-4214. *In: Encyclopaedia of Food Science, Food Technology and Nutrition* R. Macrae, R.K. Robinson and M.J. Sadler (eds.). Vol. 6, London: Academic Press.
- Rooney, L.W. 1992. Proc. Cereals International: Factors affecting the food, feed and industrial utilization of sorghum. p. 127-130. Presented at International Cereal and Bread Congress, Brisbane, Australia.
- Rooney, L.W. 1992. Methods of processing sorghum for livestock feeds. p. 167-171. Proc. Utilization of Sorghum and Millets, ICRISAT
- Rooney, L.W. 1992. Wet milling nixtamalization and micronization of sorghum. p. 19-21. Proc. Utilization of Sorghum and Millets, ICRISAT
- Rooney, L.W., F.R. Miller, D.T. Rosenow and R.D. Waniska. 1992. JOWAR, a new cereal for food utilization. American Association of Cereal Chemistry Proc. Sept. 20-23. Cereal Food World 37(7):565.
- Rooney, L.W. 1991. The sorghum producers views on sorghum quality improvement. p. 6-7. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Rooney, L.W. 1991. Processing methods to improve nutritional value of sorghum for livestock. p. 206-210. Proc. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Rooney, L.W. and S.O. Serna-Saldivar. 1991. Sorghum, Chapter V p. 233-270. *In: K.J. Lorenz and K. Kul.*(eds.). Handbook of Cereal Science & Technology, Markel Dekker, Inc.
- Rooney, L.W., F.R. Miller and D.T. Rosenow. 1988. The Use and characteristics of sorghum for human food. p. 31-46. Proc. American Seed Trade Assoc.
- Rooney, L.W., A.W. Kirleis, and D.S. Murty. 1986. Traditional Foods From Sorghum: Their Production, Evaluation and Nutritional Value. p. 317-353. *In* Y. Pomeranz, (ed.) "Advances in Cereal Science and Technology". American Association of Cereal Chemists. Vol. 8.

- Rosenow, D.T., L.W. Rooney, A.B. Maunder and M.L. Gilbert. 1995. Breeding grain sorghum with improved food quality. P. 41-42 in Proceedings of the 19th Biennial Grain Sorghum Research and Utilization Conference. National Grain Sorghum Producers Association, Lubbock, TX. March 5-7, 1995.
- Seetharaman, K., R.D. Waniska and L.W. Rooney. 1994. Screening antifungal proteins in sorghum cultivars - preliminary results. SICNA International Sorghum and Millets Newsletter 35:136.
- Serna Saldivar, S.O. and M. Mezo-Villanueva. 2003. Effect of cell wall degrading enzymes on starch recovery and steeping requirements of sorghum and maize. *Cereal Chem.* 80(2):148-153.
- Serna-Saldivar, S.O. and L.W. Rooney. 1995. Structure and chemistry of sorghum and millets, Chapter 4 in *Sorghum and Millets: Chemistry and Technology*. American Association of Cereal Chemists, St. Paul, Mn, Dendy (ed.). p. 69-124.
- Serna-Saldivar, S.O., C.M. McDonough and L.W. Rooney. 1991. The Millets. p. 271-300. Chapter in: K.J. Lorenz and K. Kulp. (ed.). *Handbook of Cereal Science & Technology*, Markel Dekker, Inc.
- Sullivan, T., J. Douglas, D. Andrews, P. Bond, J. Hancock, P. Bramelcox, W. Stegmeier and J. Brethour. 1991. Nutritional value of pearl millet for food and feed. p. 83-94. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Waniska, R.D., R.T. Venkatesha, A. Chandrashekar, S. Krishnaveni, F.P. Bejosano, J. Jeoung, J. Jayaraman, S. Muthukrishnan and G.H. Liang. 2002. Antifungal proteins and other mechanisms in the control of sorghum stalk rot and grain mold. p. 287-298. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Waniska, R.D. and L.W. Rooney. 2002. Sorghum grain quality for increased utilization. p. 327-336. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Waniska, R.D. and Rooney, L.W. 2000. Structure and chemistry of the sorghum caryopsis *In* C.W. Smith and R.A. Frederiksen (Eds.). *Sorghum: Origin, History, Technology, and Production*. New York, NY. Pp. 649-688.
- Waniska, R.D., G.A. Forbes, R. Bandyopadhyay, R.A. Frederiksen and L.W. Rooney. 1992. Sorghum and millets diseases: A Second World Review: Cereal chemistry and grain mold resistance. p. 265-272. ICRISAT, India,
- Waniska, R.D., S.F. Kotarski and K.K. Thurn. 1991. Starch digestibility in sorghum. p. 177-190. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Weaver, C.M., Mason, A.C., Hamaker, B.R. 2000. Food uses, *In* *Designing Crops for Added Value*, American Society of Agronomy, Madison, WI. p. 21-55
- Yohe, J. 1991. Relevance of international sorghum and millet research to U.S. Agriculture. p. 17-19. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.

- Young, V. and P. Pellett. 1991. Human amino acid requirements with reference to protein quality. p. 25-40. *In* Gebisa Ejeta, Edwin T. Mertz, Lloyd Rooney, Robert Schaffert and John Yohe (eds.) Proceedings of the International Conference on Sorghum Nutritional Quality, February 26 - March 1, 1990, Purdue University, West Lafayette, IN.
- Zelaya, N., H. Yeggy, E.L. Suhendro, L.W. and Rooney. 2001. Characterization of table tortillas from sorghum high in phenolic compounds. *In* proceedings of the Tortilla Industry Association Seminar, p. 22:1-4. May 20-23, City of Industry, CA.

Dissertation and Theses

M.S. Degrees

- Aboubacar, A.I. 1992. Relationships between consumer ratings and laboratory measurements of grain sorghum two quality parameters. M.S. thesis. Purdue University, West Lafayette, IN.
- Almeida-Dominguez, H.D. 1984. Development of maize-soy-sesame and sorghum-soy tortilla flour using extrusion and nixtamalization. M.S. thesis. Texas A&M University, College Station, TX.
- Anderson, Brian J. 1994. The effects of tempering and steam flaking on sorghum. M.S. Thesis. Texas A&M University, College Station, Texas.
- Awika, Joseph. December 2000. Sorghum phenols as antioxidants. M. .S Thesis. Texas A&M University, College Station, Texas. 90 p.
- Beta, T. 1993. The malting properties of different sorghum cultivars. M.S. Thesis. Texas A&M University, College Station, TX.
- Bueso, J. 1997. Assessment of the activity of antifungal proteins against grain mold in sorghum caryopses in the field. M.S. thesis, Texas A&M University, College Station, Texas.
- Bugusu, B.A. 2000. Effect of added zein on properties and microstructure of sorghum-wheat composite flour dough and bread. M.S. thesis. Purdue University, Wesr Lafayette, IN.
- Clegg, C.J. 1991. Pearl millet: parboiling methods and factors affecting the process and cooked product. M.S. Thesis. Texas A&M University, College Station, TX.
- Cruz y Celis, L. 1993. Ready to eat breakfast cereals from food-grade sorghums. M.S. Thesis. Texas A&M University, College Station, TX.
- Floyd, C.D. 1994. Modification of starch during malting of sorghum. M.S. Thesis. Texas A&M University, College Station, TX.
- Gomez, M.H. 1987. Extrusion Cooking of Sorghum. M.S. thesis. Texas A&M University, College Station, TX.
- Gordon, Leigh Ann. December 2001. Utilization of sorghum brans and barley flour in bread. M.S. Thesis. Texas A&M University, College Station, Texas. 118 p.
- Hikeezi, Doreen. 1994. Cookie making using dehulled high tannin sorghum supplemented with peanut and/or sunflower flours. M.S. thesis. Kansas State University, Manhattan, KS.

- Hugo, L.F. May 1994. M.S. Thesis. Production of bread from blends of sorghum flour and gelatinized cassava starch. Texas A&M University, College Station, TX.
- Kante, A. 1987. Factors Affecting the Porridge Quality of Sorghum and Pearl Millet. M.S. thesis. Texas A&M University, College Station, TX.
- Kunetz, Christine. December 1997. Processing parameters affecting sorghum noodle qualities. M.S. thesis. Texas A&M University, College Station, Texas.
- Lee, S.S. 1984. Evaluation of protein quality of a sorghum variety tortillero grown in Honduras. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Lekalake, R.I. August 1993. Factors affecting the cooking and extrusion properties of sorghum for noodle production. M.S. thesis. Texas A&M University, College Station, TX.
- Leon-Chapa, Martha. December 1999. Methods to improve and measure texture of sorghum cookies. M.S. Thesis. Texas A&M University, College Station, TX. 126 p.
- Lewamy, M.K. 1996. Identification of novel “dense floury” sorghum lines with high lysine and high protein digestibility. M.S. thesis. Purdue University, West Lafayette, IN.
- Mabuza, Khanyisile F. 1993. Food acceptability assessment variety trials in Swaziland. M.S. thesis. University of Guelph, Guelph Ontario, Canada.
- Maladen, M. 2002. Characterization and carrying capacity of a soluble three-component complex. M.S. thesis. Purdue University, West Lafayette, IN.
- Maranphal, Nitit. 2003. Direct expanded snacks from sorghum. M.S. thesis. Texas A&M University, College Station, Texas.
- McDonough, C.M. 1986. Structural characteristics of the mature pearl millet *Pennisetum americanum* caryopsis. M.S. thesis. Texas A&M University, College Station, TX.
- Mireles, Raquel. May 1995. Factors affecting the color of corn tortilla and tortilla chips. M.S. thesis. Texas A&M University, College Station, TX.
- Mix, N.C. 2000. Origin and role of fragmented starch in couscous and porridge stickiness. M.S. thesis. Purdue University, West Lafayette, IN.
- Mokhoro, Cyprian T. 1993. Comparison of starch related changes in stored fermented and unfermented sorghum porridges. M.S. thesis. University of Nebraska, Lincoln, NE.
- Mrema, Greyson C. 1993. Effects of steeping and germination time on malt properties of two sorghum cultivars. M.S. thesis. Texas A&M University, College Station, TX.
- Pearson-Priller, A. 1985. Further Studies on the Detrimental Effects of Feeding High Tannin Sorghum to Chicks and Rats. M.S. thesis. August 1985. Purdue University, West Lafayette, IN.
- Prado, B. 2002. Characteristics of branched water-soluble glucans from ball-milled starch and commercial maltodextrins and their effect on pasting behavior in starch systems. M.S.

- Quintero-Fuentes, Ximena. August 1997. A method to determine ingredient functionality in baked tortilla chips. M.S. thesis. Texas A&M University.
- Ring, A.S. 1984. Phenolic compounds in sorghum from boot stage to post harvest maturity by Folin-Ciocalteu and high pressure liquid chromatography methods. M.S. thesis. Texas A&M University, College Station, TX.
- Rudiger, Crystal. 2003. The formulation of a nutraceutical bread mix using sorghum, barley, and flaxseed. M.S. thesis. Texas A&M University, College Station, Texas.
- Schlicher, M. 1985. Nutritional status of preschool children in Uganda. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Shull, Jeannette M. 1988. Developmental study of a hard, intermediate and soft variety of sorghum. M.S. thesis. Purdue University, West Lafayette, IN.
- Sikabbubba, Ruth. 1989. Effect of cross-linked kafirin and zein proteins on digestibility and protein quality of corn and sorghum grains. M.S. thesis. Kansas State University, Manhattan, KS.
- Suhendra, B.P. 2002. Factors that influence the digestibility of starch in raw sorghum grain. M.S.
- Torres, P. 1988. Characteristics of Dough and Tortilla Prepared with Composite Wheat Sorghum Flours. M.S. thesis. Texas A&M University, College Station, TX.
- Vivas-Rodriguez, N.E. 1985. Thin porridges (atoles) prepared from maize and sorghum. M.S. thesis, Texas A&M University, College Station, TX.
- Zelaya, Nolvía. May 2001. Characterization of tortillas and tortilla chips from sorghum varieties high in phenolic compounds. M.S. Thesis. Texas A&M University, College Station, Texas. 129 p.
- Zhang, G. 1997. Sorghum starch hydrolysis and digestibility. M.S. thesis. Purdue University, West Lafayette, IN.

Ph.D. Degrees

- Aboubacar, A. 1997. Physicochemical properties of flour and fine structure of starch in relation to sorghum couscous quality. Ph.D. diss. Purdue University, West Lafayette, IN.
- Acosta, Harold. August 1997. Processing and physico-chemical characterization of steam flaked sorghum hybrids. Ph.D. diss.. Texas A&M University, College Station, Texas.
- Almeida-Dominguez, H.D. 1990. Production of Weaning Food from Composites of Pearl Millet and Cowpea. Ph.D. diss. Texas A&M University, College Station, TX.
- Asante, Sam. December 1997. Production of weaning foods from cereal-cowpea composites using traditional African processes. Ph.D. diss. Texas A&M University, College Station, Texas.
- Asquith, T.N. 1985. Evidence for functional heterogeneity both between and within four sources of condensed tannin. Ph.D. diss. Purdue University, West Lafayette, IN.
- Awika, Joseph. 2003. Antioxidant properties of sorghum. Ph.D. dissertation. Texas A&M University, College Station, Texas.

- Batterman-Azcona, S.J. 1998. Microstructural and chemical changes in corn protein bodies and α -zeins during processing and their effect on texture. Ph.D. diss. Purdue University, West Lafayette, IN.
- Bello, A.B. 1989. Quality, composition and starch properties of sorghum Tô, a thick porridge. Ph.D. diss. Texas A&M University, College Station, TX.
- Bueso, Javier. 2003. Staling of corn tortillas. Ph.D. dissertation. Texas A&M University, College Station, Texas.
- Buckner, R.J. 1997. Developmental and crosslinking factors related to low protein digestibility of sorghum grain. Ph.D. diss. Purdue University, West Lafayette, IN.
- Dundas, M.L. 1984. Socioeconomic influence on the use of sorghum products and nutritional status of children in Sudan. Ph.D. diss. Mississippi State University, Mississippi State, MS.
- Earp, C.F. 1985. Microscopy of the mature and developing caryopsis of *Sorghum bicolor* (L.) Moench. Ph.D. diss. Texas A&M University, College Station, TX.
- Floyd, Cherie. 1996. Effect of aging on endosperm characteristics and processing functionality of sorghum and corn. Ph.D. diss. Texas A&M University, College Station, Texas.
- Gomez, M.H. 1988. Physiochemical Characteristics of Fresh Masa from Alkaline Processed Corn and Sorghum and of Corn Dry Masa Flour. Ph.D. diss. Texas A&M University, College Station, TX.
- Gous, F. 1989. Tannins and phenols in black sorghum. Ph.D. diss. Texas A&M University, College Station, TX.
- Hahn, D.H. 1984. Phenols of sorghum and maize: the effect of genotype and alkali processing. Ph.D. diss. Texas A&M University, College Station, TX.
- Hamaker, B.R. 1986. Effects of heat and reducing agents on in vitro digestibility of sorghum proteins. Ph.D. diss. Purdue University, West Lafayette, IN.
- Islas-Rubio, A.R. 1993. Ph.D. diss. Evaluation of the quality of sorghum malts. Texas A&M University, College Station, TX.
- Jackson, D.S. 1988. Characterization of Starch by High-Performance Liquid Chromatography-Size Exclusion Chromatography. Ph.D. diss. Texas A&M University, College Station, TX.
- Miranda-Lopez, Rita. May 1999. Effect of some anti-staling additives, pH and storage on the staling of corn tortilla. Ph.D. Diss. Texas A&M University, College Station, TX. 113 p.
- Mohammed, S.I. 1991. Isolation and characterization of microorganisms associated with sorghum fermentation and development of starter culture for production of Sudanese kiswa. Ph.D. diss. Purdue University, West Lafayette, IN.
- Putman, L.J. 1987. Tannins and other polyphenols in sorghum: Separation, identification and polymerization. Ph.D. diss. Purdue University, West Lafayette, IN.
- Quintero-Fuentes, Ximena. May 1999. Characterization of corn and sorghum tortillas during storage. Ph.D. diss. Texas A&M University. 109 p.

- Ramirez, B. 1989. Measurement and Evaluation of Textural and Rheological Properties of Fresh Corn Masa. Ph.D. diss. Texas A&m University, College Station, TX.
- Reddy, V. 1990. Protein composition and in vitro protein digestibility of developing *Sorghum bicolor* (L.) Moench kernels with different endosperm texture. Ph.D. diss. Purdue University, West Lafayette, IN.
- Seetharaman, Koushik. December 1996. Presence, mobility and bioactivity of antifungal proteins in sorghum caryopses. Ph.D. diss. Texas A&M University, College Station, TX.
- Serna-Saldivar, S.O. 1984. Nutritional evaluation of sorghum and maize tortillas. Ph.D. diss. Texas A&M University, College Station, TX.
- Shull, J.M. 1991. Identification and localization of kafirins in *Sorghum bicolor* (L. Moench) endosperm. Ph.D. diss. Purdue University, West Lafayette, IN
- Suhendro, Elly L. May 1997. Instrumental methods for the evaluation of corn tortilla texture. Ph.D. diss. Texas A&M University, College Station, TX..
- Tarimo, T.M.C. 1994. Development of a bioassay of tannin-free, bird-resistant sorghums for bird repellancy. Ph.D. diss. Purdue University, West Lafayette, IN.
- Vivas, N. 1988. Changes in proteins of sorghum, maize and pearl millet during food processing and variability of proteins in sorghum cultivars. Ph.D. diss. Texas A&M University, College Station, TX.
- Watterson, J.J. 1991. Isolation and characterization of sorghum kafirin proteins and the development of ELISAs for the quantitation of alpha-kafirins, beta-kafirins, and gamma-kafirin. Ph.D. diss. Purdue University, West Lafayette, IN.
- Young, Robert. 1990 Evaluation of different parboiling treatments on properties of sorghum products. Ph.D. diss. Texas A&M University, College Station, TX.
- Zhang, G. 1999. A novel three-way interaction among starch, protein, and free fatty acid: functionality and mechanism elucidation. Ph.D. diss. West Lafayette, IN.

Other Degrees

- Adams, S.D. 1985. An examination of moisture adsorption and flake quality characteristics of grain sorghum using scarification and surfactant treatments. Masters of Agriculture Professional Paper. Texas A&M University, College Station, Texas
- Forero, Luz Angela. 1992. Obtención de alcohol para elaborar whisky a partir de sorgo *Sorghum bicolor* L. Moench. B.S. thesis. University Santiago de Cali, Cali, Colombia.
- Garcia, Luz Elena. 1992. Evaluación nutritiva y farinológica de cuatro variedades de sorgo *Sorghum bicolor* L. Moench. *In*: Mezclas para panificación y galletería. B.S. thesis. University Santiago de Cali, Cali, Colombia.
- Leach, Michelle. 1999. The effects of thermal processing on properties of fundamental food polymers in commercial Asian and experimental sorghum noodles. Undergraduate Research Fellows Program. Texas A&M University, College Station, TX. 49 p.

- Mole, S. 1986-89. Nutritional consequences of tannin-protein interactions. Postdoctoral. Purdue University, West Lafayette, IN.
- Netzly, D. 1984-87. Identification and characterization of sorgoleone from sorghum root exudate. Postdoctoral. Purdue University, West Lafayette, IN.
- Rooney, T.K. 1990. The Nutritional Efficacy of Sorghum and Millet Fiber. Senior Honors Research thesis. Texas A&M University, College Station, TX.

Miscellaneous Publications

- Blanchet, C., L.W. Rooney and F.R. Miller. 1986. Evaluation of five sorghum cultivars for a rice-like food product. Sorghum Newsletter.
- Cerritos, G. and F. Gomez. 1993. Sorghums for the Industry of Biodegradable Brooms (In Spanish). p. 130-133. Agronomy Department Annual Report, vol. 6, Escuela Agricola Panamericana, El Zamorano, Honduras.
- Elkin, R.G., E. Arthur, B.R. Hamaker, J.D. Axtell, M.W. Douglas, and C.M. Parsons. 1998. The nutritional value of a highly digestible sorghum cultivar for broiler chickens. Poultry Sci. 77 (suppl. 1):87.
- Galiba, M., L.W. Rooney, R.D. Waniska and F.R. Miller. 1986. Effect of flour particle size on sorghum couscous. Sorghum Newsletter.
- Gomez, F., F.R. Miller and L.W. Rooney. 1986. Phenotype variance components for 12 agronomic traits in some food type sorghums. Sorghum Newsletter.
- Gomez, F., F.R. Miller and L.W. Rooney. 1986. Grain yield performance of some food type sorghum genotypes. Sorghum Newsletter.
- Gomez, F., F.R. Miller and L.W. Rooney. 1986. Association of yield and yield components in some food type sorghums. Sorghum Newsletter.
- Hahn, D.H., C. McDonough, D.T. Rosenow, F.R. Miller, L.W. Rooney and D. Meckenstock. 1984. Shawayaia "Black" sorghum from the Western Sudan. Sorghum Newsletter.
- Pietsch, D., L. Synatschk, W.L. Rooney, and D.T. Rosenow. 1999. 1999 Grain sorghum performance tests in Texas. Department of Soil and Crop Sciences Departmental Technical Report, SCS-1999-27. 111 p.
- Raab, Q.J., F.R. Miller and L.W. Rooney. The genotype and phenotype of several important kernel and plant characteristics of some common *Sorghum bicolor* (L.) varieties. Sorghum Newsletter.
- Rooney, Lloyd W. and C. McDonough. 2001. Profit Annual Report: Near infrared analysis for marketing of sorghum. http://sorghum.tamu.edu/report_database/files/rep17/ProfitfinalversionLWR.html.
- Rooney, W.L., Dennis Pietsch, and Lloyd W. Rooney. 2001. Profit Annual Report: The evaluation of high yielding, weathering resistant, tan-plant sorghum hybrids under Texas production environments. http://sorghum.tamu.edu/report_database/files/rep34/2001tphreport.pdf

- Rooney, Lloyd W. and C. McDonough. 2001. Profit Annual Report: Near Infrared Analysis for Marketing of Sorghum <http://sorghum.tamu.edu/report/database/files/rep21/ProfitfinalversionLWR.html>. PI: W.L. Rooney, Collaborators: Mr. Dennis Pietsch, Dr. Lloyd W. Rooney, 2001. Profit Annual Report: The evaluation of high yielding, weathering resistant, tan-plant sorghum hybrids under Texas production environments. http://sorghum.tamu.edu/report_database/files/rep42/2001TPHTRReportText.html.
- Rooney, L.W. 2000. Value-enhanced sorghum quality evaluations. *p.* 30-32, 37-40, 89-93 in Hofing, S. and Stewart R. 2000. 1999-2000 Value-Enhanced Grains Quality Report, US Grains Council, 1400 K St., NW, Suite 1200, Washington, DC 20005.
- Rooney, Lloyd W. 1995. Sorgo en hojuelas al vapor. Feed and Grain. Johnson Hill Press, Ft. Atkinson, WI, July. *p.* 5-9.
- US Grains Council. 2002. 2001-2002 Value-Enhanced grains quality report, US Grains Council, Washington, D.C. http://www.vegrains.org/documents/2002veg_report/veg_report.htm, 142 pp.
- Waniska, Ralph D., William L. Rooney, Robert R. Klein, Lloyd W. Rooney, and Feliciano P. Bejosano. 2001. Profit Annual Report: Mold and Toxin-free Grain Through Host Plant Resistance, http://sorghum.tamu.edu/report_database/files/rep18/WaniskaProfit01Report.html.
- Waniska, Ralph D. and Lloyd W. Rooney. 2000. Cereals as a source of functional foods/nutraceuticals. Food Protein R&D. Nutraceutical and Functional Foods: Herbal Products, Functional Ingredients, Food Sources, Extraction, Separation/Purification, Market, Toxicology and regulations Short Course, February 20-24, Texas A&M University, College Station, TX. 23:1-6.

Abstracts

- Aboubacar, A., N. Yazici and B.R. Hamaker. 1999. Effects of decortication rate on sorghum flour and couscous quality, American Association of Cereal Chemists annual meeting, Seattle, WA, November, *p.* 213.
- Aboubacar, A. and B.R. Hamaker. 1999. Application of the BCA assay to identify sorghum with high protein digestibility, American Association of Cereal Chemists annual meeting, Seattle, November, *p.* 171.
- Aboubacar, A and B.. Hamaker. 1999. Branched soluble starch as a determinant of sorghum couscous stickiness. *J. Cereal Sci.* 31:119-126.
- Aboubacar, A. and B.R. Hamaker. 1998. Rapid screening assay to identify sorghum with high protein digestibility. *Cereal Foods World* 43:553.
- Aboubacar, A. and B.R. Hamaker. 1997. Variation in couscous properties among sorghum cultivars. *Cereal Foods World* 42:623.
- Aboubacar, A.I. and B.R. Hamaker. 1996. Physicochemical properties of sorghum starch in relation to the textural characteristics of couscous. *Cereal Foods World* 41:579.
- Aboubacar, A. and B.R. Hamaker. 1995. Effect of sorghum flour properties on the textural characteristics of couscous. *Cereal Foods World* 40:658.
- Aboubacar, A., M. Oumarou and A.W. Kirleis. 1992. Relationship between consumer ratings and laboratory measurements of grain sorghum tuwo quality parameters. *Cereal Foods World* 37:551.

- Acosta, D., M. Barron, M. Riaz, L. Rooney, and R. Waniska. 2002. Comparative analysis of rice and sorghum extrusion properties. American Association of Cereal Chemists 87th Annual Meeting, <http://www.aaccnet.org/meetings/2002/abstracts/a02ma340.asp>. Montreal, Quebec.
- Acosta, H., C.M. McDonough, R.D. Waniska and L.W. Rooney. 1995. Processing characteristics of tempered and nontempered steam flaked Sorghum hybrids. AACC Meeting, November 5-9. San Antonio, TX. *Cereal Foods World* 40(9):665.
- Acosta, H.A., C.M. McDonough, L.W. Rooney, K. Smith, and C.R. Richardson. 1995. Steam flaking of sorghum hybrids. Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX. Pages 131 and 139-142.
- Acosta, H., C.M. McDonough, R.D. Waniska and L.W. Rooney. 1994. Effects of Tempering, Conditioning, and Grain Type on Steam Flaking Properties of Sorghum. AACC Meeting. October 23-27, 1994. Nashville, TN. *Cereal Foods World* 39(8) 611-612.
- Almeida-Dominguez, H.D. 1994. Effect of extrusion parameters on physicochemical, pasting and microstructural characteristics of a food-type white sorghum. AACC Meeting, October 23-27, 1994, Nashville, TN. *Cereal Foods World* 39 (8):611..
- Almeida-Dominguez, H.D., M.H. Gomez, S.O. Serna-Saldivar and L.W. Rooney. 1991. Weaning Food from Composite of Extruded or Press Dried Pearl Millet and Cowpea, p. 268. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Anderson, B.J., C. McDonough and L.W. Rooney. 1993 Effects of tempering on steam flaked sorghum. AACC Meeting, Miami October 3-7, 1993. *Cereal Foods World* 38(8):594.
- Asante, S.A., H.Z. Acosta, L.W. Rooney, and R.D. Waniska. 1997. Physicochemical properties of starches from sorghum with different amylose amylopectin ratios. Proceedings 20th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, Tx, p. 62.
- Asante, S.A., H.Z. Acosta, L.W. Rooney and R.D. Waniska. 1995. Physi-cochemical properties of starches from sorghum with different amylose amylopectin ratios. AACC Meeting, November 5-9, San Antonio, TX. *Cereal Foods World* 40(9):671.
- Awika, J.M., D. Gualberto, L.W. Rooney, and W.L. Rooney. 2002. Properties of white food sorghums grown in different environments. American Association of Cereal Chemists 87th Annual Meeting, <http://www.aaccnet.org/meetings/2002/abstracts/a02ma378.asp>. Montreal, Quebec.
- Awika, J.M., L.W. Rooney, and R.D. Waniska. 2001. Exploring the potential of specialty sorghum bran fractions as a source of antioxidants. AACC 86th Annual Meeting, October 14-17, Charlotte, NC, <http://www.aaccnet.org/meetings/2001/abstracts/a01ma189.htm>
- Awika, J.M., E.L. Suhendro and L.W. Rooney. 1999. Milling properties of new food sorghum hybrids. AACC 84th Annual Meeting, October 31 - November 3, Seattle, WA. *Cereal Foods World*. <http://aaccnet.org/meetings/99mtg/abstracts/acabb70.htm>
- Awika, J.M., L.W., Rooney and E.L. Suhendro. 2000. Sorghum phenols and catechins as antioxidants. IFT Annual Meeting, June 10-14, Dallas, TX. <http://ift.confex.com/ift/2000/techprogram/>
- Batterman-Azcona, S.J., J.W. Lawton and B.R. Hamaker. 1999 Microstructural changes in zein proteins during extrusion. *Scanning* 21:212-16.

- Batterman-Azcona, S.J. and B.R. Hamaker. 1998. Specific mechanical energy required to disrupt corn protein bodies and disperse a-zein. *Cereal Foods World* 43:525.
- Bejosano, F.P., W.L. Rooney, R.R. Klein, L.W. Rooney, and R.D. Waniska. 2001. Antifungal proteins in commercial hybrids and elite sorghums. AACC 86th Annual Meeting, October 14-17, Charlotte, NC, <http://www.aaccnet.org/meetings/2001/abstracts/a01ma304.htm>.
- Bejosano, Feliciano P., William L. Rooney, Robert R. Klein, Lloyd W. Rooney and Ralph D. Waniska. 2001. Antifungal proteins in commercial hybrids and elite sorghums. 2001 Sorghum Industry Conference & 22nd Biennial Grain Sorghum Research and Utilization Conference. p. 84, February 18-20, Nashville, TN.
- Berhan, A.M., G. Ejeta and L.G. Butler. 1991. Selection for Grain Mold Resistance in Sorghum. *Agron. Abst.* p. 86.
- Berthe, A., C. McDonough, L.W. Rooney, and R.D. Waniska. 1996. The couscous quality of different grains used in Mali. Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska. Publication 97-5, page 643.
- Beta, Trust, Lloyd W. Rooney, Lillian T. Marovatsnga and John R.N. Tahylor. 1999. Phenolic compounds and kernel characteristics of Zimbabwean sorghums. *J. Sci. Food Agric* 79:1003-1010.
- Beta, T., L.W. Rooney and R.D. Waniska. 1993. Malting Characteristics of sorghum varieties. AACC Meeting, Miami October 3-7, 1993. *Cereal Foods World* 38(8):594.
- Buckner, R.J. and B.R. Hamaker. 1997. Sorghum protein digestibility is not affected by artificial dry down. *Cereal Foods World* 42:634.
- Buckner, R.J., M.P. Oria, P.V. Reddy, and B.R. Hamaker. 1996. Developmental changes in sorghum protein bodies and their digestibility. *Cereal Foods World* 41:573.
- Buckner, R.J., B. R. Hamaker, and S.S. Nielsen. 1995. Prediction of cooked protein digestibility using pH-stat based on human metabolic data. *Cereal Foods World* 40:663.
- Bueso, F., R.D. Waniska, W.L. Rooney. 1997. Activity of antifungal proteins against mold in sorghum caryopses in the field. AACC 82nd Annual Meeting, October 12-16, San Diego, CA. *Cereal Foods World* 42(8):625.
- Bueso, F.J., R.D. Waniska, L.W. Rooney, and R.A. Frederiksen. 1997. Assessment of the activity of antifungal proteins against grain molds in sorghum caryopses in the field. Proceedings 20th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX, p. 101.
- Bueso, F., K. Seetharaman, R.D. Waniska, and L.W. Rooney. 1996. Effect of inoculation on antifungal proteins in sorghum caryopses. Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska. Publication 97-5, page 644.
- Bugusu, B.A. and B. R. Hamaker. Effect of non-starch components of sorghum flour on in vitro starch digestibility of cooked porridges, American Association of Cereal Chemists annual meeting, Montreal, October, 2002.

- Bugusu, B.A. and Hamaker, B.R. 2002. In vitro starch digestibility of cooked sorghum flours and effect of protease pretreatment. Institute of Food Technologists annual meeting, Anaheim, CA, June. http://ift.confex.com/ift/2002/techprogram/meeting_2002.htm
- Bugusu, B.A. and B.R. Hamaker. 2000. Effect of added zein on properties and microstructure of sorghum-wheat composite flour dough and bread. American Association of Cereal Chemists annual meeting, Kansas City, November, p. 325.
- Bugusu, B.A. and B.R. Hamaker. 1999. Effect of added zein protein on composite flour dough mixograph curves, American Association of Cereal Chemists annual meeting, Seattle, WA, November, p. 237.
- Butler, L.G., T. Cai and G. Ejeta. 1993. Sorghum Cell, Tissue and Organ Culture. Agron. Abst. p. 173.
- Butler, L.G. and J.C. Rogler. August 1991. Biochemical Mechanisms of the Antinutritional Effects of Tannins, Symposium on Phenolic Compounds in Food and Health. Fourth Chemical Congress of North America. New York, NY. abstract #149.
- Cai, T., G. Ejeta and L.G. Butler. 1994. Effect of Genotype, Explant Source, and Medium Composition on Callusing, Embryogenesis and Regeneration in Sorghum. Agron. Abst. p. 206
- Cai, T., G. Ejeta and L.G. Butler. 1993. Grain Polyphenol Variants from Tissue Culture Derived Somaclones. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. March 1-2, 1993. Lubbock TX., p. 34.
- Cai, T., G. Ejeta and L.G. Butler. 1993. Development and Maturation of Sorghum Seeds on Detached Panicles Grown *In Vitro*. Proc. 18th Biennial Grain Sorghum Research and Utilization Conference. March 1-2, 1993. Lubbock TX., p. 139.
- Cai, T., G. Ejeta and L.G. Butler. 1993. Facile Sorghum Plant Regeneration from PP290, a High Yielding, Drought Tolerant Variety. Agron. Abst. p. 83.
- Cai, T. and L.G. Butler. 1991. Sorghum Suspension Cultures and Callus Formation from Suspension Culture Protoplasts. Proc. International Sorghum and Millet CRSP Conference, Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 258.
- Casas, A.M., A.K. Kononowicz, U.B. Zehr, J.D. Axtell, L.G. Butler, R.A. Bressan and P.M. Hasegawa. Transgenic Sorghum Plants via Microprojectile Bombardment. 1993. Agron. Abst. p. 173.
- Cepeda, M., R.D. Waniska and L.W. Rooney. 1994. Effects of Leavening Acids in Wheat Flour Tortillas. AACC Meeting, October 23-27, 1994. Nashville, TN. Cereal Foods World 39 :
- Choi, H.J., Shin, S.I., Chung, K.M., Hamaker, B.R., and Moon, T.W. 2002. Structural characteristics of slowly digestible waxy sorghum starch as affected by modification process. Institute of Food Technologists annual meeting, Anaheim, CA, June. http://ift.confex.com/ift/2002/techprogram/meeting_2002.htm
- Clegg, C.J., L.W. Rooney and R.D. Waniska. 1991. Parboiling Technologies Applied to Pearl Millet (*Pennisetum americanum*). p. 269. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- deFranca, J.G.E., L.W. Rooney, R.D. Waniska and F.R. Miller. 1991. Evaluation of Malting Characteristics in Sorghum Genotypes. p. 269. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

- Ek-Couoh, N.B., H.D. Almeida-Dominguez, and N.G. Almeida-Dominguez. 1997. Properties of extruded food-type sorghum-malt instant flours. Proceedings 20th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX, p. 63.
- Ek-Couoh, N.B., H.D. Almeida-Dominguez, and N.G. Almeida-Dominguez. 1995. Properties of extruded food-type sorghum-malt instant flours. *Cereal Foods World* 40:(9):657-8.
- Ek-Couoh, N.B., H.D. Almeida-Dominguez and L.W. Rooney. 1995. Effect of storage on pasting, gelatinization and extrusion properties of sorghum. AACC Meeting, November 5-9, San Antonio, Tx. *Cereal Foods World* 40:(9):657-8.
- Floyd, C.D., H.D. Almeida-Dominguez and L.W. Rooney. 1995. Effect of storage on pasting, gelatinization and extrusion properties of sorghum, AACC Meeting, November 5-9, San Antonio, Tx. *Cereal Foods World* 40:(9):657.
- Floyd, C.D., C.M. McDonough, A.R. Islas-Rubio, L.W. Rooney, and R.D. Waniska. 1995. Physico-chemical changes in sorghum during malting. Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX., page 65.
- Floyd, C.D., C.M. McDonough, L.W. Rooney, R.D. Waniska. 1994. Endosperm modification in sorghum during malting. AACC Meeting, October 23-27, 1994, Nashville, TN. *Cereal Foods World* 39(8):611.
- Floyd, C.D., L.W. Rooney and R.D. Waniska. 1993. Modification of carbohydrates in sorghum during malting. AACC Meeting, Miami October 3-7, 1993. *Cereal Foods World* 38(8):594.
- Gomez, M.H., R. Young, R.D. Waniska and L.W. Rooney. 1991. Changes of Sorghum Starch during Parboiling. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 270.
- Gordon, L.A., M. Mitre-Dieste, J. Awika, L.W. Rooney, E.L. Suhendro and R.D. Waniska. 2000. Characteristics of breads baked with sorghum brans high in antioxidants. AACC 85th Annual Meeting, November 5-9, Kansas City, MO. <http://aacnet.org/meetings/2000/abstracts/a00ma201.htm>
- Gordon, L.A., C.M. Mitre-Dieste, J.M. Awika, L.W. Rooney and E. L. Suhendro. 2000. Effects of sorghum brans on bread quality. IFT Annual Meeting, June 10-14, Dallas, TX. <http://ift.confex.com/ift/2000/techprogram/>
- Gous, F., R.D. Waniska, L.W. Rooney and F.R. Miller. 1991. Tannins and Phenols in Black Sorghum. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 270.
- Hamaker, B.R. Improving sorghum and millet nutrition for food and feed. INTSORMIL International Principal Investigators Conference, Addis Ababa, Ethiopia, November, 2002.
- Hamaker, B.R., A.S. Tandjung, L. Mamadou, and J.D. Axtell. 1998. A novel vitreous core endosperm phenotype found in sorghum grain in a high protein digestibility/high-lysine population. *Cereal Foods World* 43:548.
- Hamaker, B.R. and S.K. Sathe. 1995. Cross-reactivity of sorghum ²-kafirin antibody with rice prolamins protein. *Cereal Foods World* 40:669.
- Hamaker, B.R., C.A. Weaver, M.P. Oria, and J.D. Axtell. 1995. A novel sorghum genotype with high *in vitro* protein digestibility. *Cereal Foods World* 40:684

- Hamaker, B.R., J.M. Shull and M.P. Oria. 1994. Digestibility of the major storage protein (\pm -kafirin) of *Sorghum bicolor* grain. *Cereal Foods World*. 39:618.
- Hamaker, B.R. and M.P. Oria. 1993. Potential relationship of a HMW protein to protein digestibility of sorghum. *Cereal Foods World* 38:624.
- Han, X.Z., J.N. BeMiller, and B.R. Hamaker. Detection of proteins in starch granule channels, American Association of Cereal Chemists annual meeting, Montreal, October, 2002.
- Han, X.Z., Campanella, O.H., and Hamaker, B.R. 2002. Characterization of the effect of starch damage on rheological properties of maize starch pastes. Institute of Food Technologists annual meeting, Anaheim, CA, June. http://ift.confex.com/ift/2002/techprogram/meeting_2002.htm
- Han, X.Z. and Hamaker, B.R. 2001. Detection of starch granule-associated proteins and their association with pasted starch granule structures. American Association of Cereal Chemists annual meeting, Charlotte, NC, October. <http://aaccnet.org/meetings/2001/abstracts/a01ma168.htm>
- Huang, C.P. and Hamaker, B.R. 2001. Protein bodies and immunolocalization of alpha- and gamma-kafirins of developing wild type and high protein digestibility mutant sorghum lines. American Association of Cereal Chemists annual meeting, Charlotte, NC, October. <http://aaccnet.org/meetings/2001/abstracts/a01ma305.htm>
- Huang, C.P. and Hamaker, B.R. 2000. Microstructural study of peripheral cells of developing normal and high protein digestibility mutant sorghum cultivars. American Association of Cereal Chemists annual meeting, Kansas City, November, p. 265.
- Huang, C.P., X. Han and B.R. Hamaker. 1998. Uncovered fungal protease in weathered sorghum grain interferes with protein characterization. *Cereal Foods World* 43:524.
- Jimenez-Ramsey, L.M., L.G. Butler, J.C. Rogler, R.G. Elkin and T.L. Housley. 1991. Radiolabel in Phenolics after Exposure of Sorghum Seeds to ^{14}C . *Agron. Abst.* p. 132.
- Jimenez-Ramsey, L.M., J.C. Rogler, T.L. Housley, L.G. Butler and R.G. Elkin. 1991. Absorption and Distribution of ^{14}C -Condensed Tannins and Related Sorghum Polyphenols in Chicks. Second North American Tannin Conference, Houghton, Michigan. June 1991 and the Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 271.
- Johnson, R., B. Siame, G. Ejeta and L.G. Butler. 1992. Phenolic Profile and Leaf Disease Reaction of Tan and Red Isogenic Lines. *Am. Soc. of Agron. Annual Meeting Abstracts*. Nov. 1-6, 1992. Minneapolis, MN.
- Kunetz, C.F., H.D. Almeida-Dominguez, L.W. Rooney, R.D. Waniska, and C.M. McDonough. 1997. Processing effects on sorghum noodle quality. *Proceedings 20th Biennial Grain Sorghum Research and Utilization Conference*, National Grain Sorghum Producers Association, Lubbock, TX, p. 116.
- Kunetz, C.F., H. Almeida-Dominguez, C.M. McDonough, R.D. Waniska, and L.W. Rooney. 1997. Cooking characteristics and quality of noodles from food sorghum. *AACC 82nd Annual Meeting*, October 12-16, San Diego, CA. *Cereal Foods World* 42(8):624.
- Leach, M., E.L. Suhendro, C.M. McDonough and L.W. Rooney. 1999. Characterization of commercial noodles. *AACC 84th Annual Meeting*, October 31 - November 3, Seattle, WA. *Cereal Foods World*. <http://aaccnet.org/meetings/99mtg/abstracts/acabc03.htm>

- Leon, M., C.M. McDonough and L.W. Rooney. 1999. Effect of sorghum flour and gelatinized starch on the structure and texture of cookies. AACC 84th Annual Meeting, October 31 - November 3, Seattle, WA. Cereal Foods World. <http://aaccnet.org/meetings/99mtg/abstracts/acabb10.htm>
- Leon-Chapa, M.C., E.L. Suhendro, C.M. McDonough, R.D. Waniska, and L.W. Rooney. 1998. Utilization of sorghum flour in cookies. Cereal Foods World 43(7):531.
- Leonard, D.L. and A.W. Kirleis. 1990. Microscopic evaluation of in vitro pepsin digestibility of sorghum proteins. Cereal Foods World 35:821.
- Maladen, M. and B.R. Hamaker. Stability and potential application of a three-component complex, American Association of Cereal Chemists annual meeting, Montreal, October, 2002.
- Maladen, M. and Hamaker, B.R. 2001. Optimizing the formation of a novel three-component complex. American Association of Cereal Chemists annual meeting, Charlotte, NC, October.<http://aaccnet.org/meetings/2001/abstracts/a01ma226.htm>
- Manful, J.T., R. D. Coker, and B. R. Hamaker. Effect of artisanal rice parboiling methods on milling yield and starch characteristics, American Association of Cereal Chemists annual meeting, Montreal, October, 2002.
- Maranphal, N., M. Barron, L. Rooney, R.D. Waniska, and M.N. Riaz. 2002. Extrusion properties of sorghum for third generation snacks. <http://www.aaccnet.org/meetings/2002/abstracts/a02ma347.asp>. Montreal, Quebec.
- McDonough, C.M., L. Dykes, J. Awika, L.W. Rooney, and R.D. Waniska. False positives for tannin sorghum in non-tannin sorghum using the bleach test. American Association of Cereal Chemists 87th Annual Meeting, <http://www.aaccnet.org/meetings/2002/abstracts/a02ma286.asp>. Montreal, Quebec.
- McDonough, C.M., K. Kunetz, L.W. Rooney 1997. Structure and texture of sorghum noodles. AACC 82nd Annual Meeting, October 12-16, San Diego, CA. Cereal Foods World 42(8):666.
- McDonough, C.M. and L.W. Rooney. 1996. Environmental SEM technique used to determine the microstructure of starch-based food systems. Cereal Foods World 41(7):589.
- McDonough, C.M., H. Acosta, B.J. Anderson, and L.W. Rooney. 1995. Effect of various conditioners on steam-flaked sorghum. Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX., p. 131.
- McDonough, C.M., H. Acosta, B.J. Anderson, and L.W. Rooney. 1994. Effect of various conditioners on steam-flaked sorghum. Cereal Foods World 39(8):612.
- McDonough, C.M., J. Long and L.W. Rooney. 1993. Use of environmental SEM in cereal-based food systems. AACC Meeting, Miami October 3-7, 1993. Cereal Foods World 38(8):612.
- McDonough, C.M., R. Young and L.W. Rooney. 1991. Microstructure of Parboiled Sorghum using Scanning Electron Microscopy. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 271.
- McDonough, C.M., C.J. Clegg and L.W. Rooney. 1991. Microstructure of Parboiled Pearl Millet. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1, p. 271.

- Menkir, A., A. Melake Berhan, L.G. Butler, H. Warren and G. Ejeta. 1994. Grain Mold Resistance in Sorghum. *Agron. Abst.* p. 123.
- Milus, M.B. and B.R. Hamaker. 1999. Changes in soluble starch component of masa associated with adhesiveness, American Association of Cereal Chemists annual meeting, Seattle, WA, November, p. 309.
- Mitre-Dieste, C.M., L.A. Gordon, J. Awika, E.L. Suhendro and L.W. Rooney. 2001. Cookies made with sorghum brans high in phenols and catechins. 2001 Sorghum Industry Conference and 22nd Biennial Grain Sorghum Research and Utilization Conference, February 18-20, Nashville, TN. p. 54.
- Mitre-Dieste, C.M., L.A. Gordon, J. Awika, E.L. Suhendro, and L.W. Rooney. 2000. Cookies made with sorghum brans high in phenols and catechins. AACC 85th Annual Meeting, November 5-9, Kansas City, MO. <http://aacnet.org/meetings/2000/abstracts/a00ma203.htm>.
- Mix, N.C., A. Aboubacar, and B.R. Hamaker. 2000. Origin of a water-soluble carbohydrate fraction related to couscous stickiness. American Association of Cereal Chemists annual meeting, Kansas City, November, p. 282.
- Mix, N.C., A. Aboubacar and B.R. Hamaker. 1999. Presence of water-soluble low molecular weight branched starch components in sorghum flour, American Association of Cereal Chemists annual meeting, Seattle, WA, November, p. 250.
- Mohamed, A.A., A. Aboubacar and B.R. Hamaker. 1993. Effects of flour/water ratio and time of testing on sorghum porridge firmness determined by a compression test. Institute of Food Technologists Annual Meeting, p. 232.
- Mohamed, A.A., B.R. Hamaker and A.W. Kirleis. 1994. Use of viscosity and soluble solids content of sorghum flour batter as indices of kiswa quality. Institute of Food Technologists Annual Meeting, p. 109.
- Moheno-Perez, J.A., H.D. Almeida-Dominguez and S.O. Serna-Saldivar. 1995. Effect of fiber degrading enzymes in the wet-milling and starch properties of different types of sorghums and maize. AACC Meeting, November 5-9, San Antonio, Tx. *Cereal Foods World* 40:(9):673.
- Oria, M.P., B.R. Hamaker, and R.J. Buckner. 1996. Identification of a non-kafirin high molecular weight protein in sorghum. *Cereal Foods World* 41:574.
- Oria, M.P. and B.R. Hamaker. 1995. Protein body structure and localization of kafirins in a highly digestible sorghum genotype. *Cereal Foods World*. 40:668.
- Oria, M.P. and B.R. Hamaker. 1994. Evidence for the role of a high-molecular-weight protein in lowering sorghum protein digestibility. *Cereal Foods World*. 39:617.
- Oria, M.P., B.R. Hamaker and J.M. Shull. 1993. Protein digestibility of developing sorghum and its relation to \pm -, 2 -, and 3 -kafirin content. Institute of Food Technologists Annual Meeting, p. 70.
- Oria, M.P., B.R. Hamaker and J.M. Shull. 1993. Resistance of sorghum \pm -, 2 -, and 3 -kafirins to pepsin digestion. *Cereal Foods World* 38:624.
- Osorio-Morales, S.J. Chavez-Contreras, H.D. Almeida-Dominguez, and S.O. Serna Saldivar. 1995. Production of brewing adjuncts and sweet worts from regular and waxy sorghums. AACC Meeting, November 5-9, San Antonio, Tx. *Cereal Foods World* 40:(9):657.

- Quintero-Fuentes, X., R.D. Waniska, and L.W. Rooney. 1998. Effect of amylopectin level on texture and starch changes during aging of maize and sorghum tortillas. *Cereal Foods World* 43(7):562.
- Quintero, X., H. Almeida-Dominguez, C.M. McDonough, and L.W. Rooney. 1996. Effect of food additives on texture and microstructural characteristics of baked chips. *Cereal Foods World* 41(7):576.
- Rooney, L.W. 2000. The functionality and properties of new sorghums. AACC 85th Annual Meeting, November 5-9, Kansas City, MO. <http://www.scisoc.org/aacc/meeting/2000/abstracts/a00ma335.htm>
- Rooney, L.W., J.M. Awika, C.M. Mitre-Dieste, L.A. Gordon, E.L. Suhendro and R.D. Waniska. 2000. Nutraceutical products from sorghum IFT Annual Meeting, June 10-14, Dallas, TX. <http://ift.confex.com/ift/2000/techprogram/>
- Rooney, L.W. 1997. Milling properties of sorghum 1997. Proceedings 20th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX, p. 63.
- Rooney, L.W., D.T. Rosenow, and W.L. Rooney. 1997. Milling properties of sorghums. AACC 82nd Annual Meeting, October 12-16, San Diego, CA. *Cereal Foods World* 42(8):629.
- Rooney, T.K., L.W. Rooney and J.R. Lupton. 1991. Possible Health Benefits of Sorghum and Millet Bran. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 272.
- Rooney, W.L., L.W. Rooney, D. Pietsch, S.D. Collins. 2001. The tan plant hybrid sorghum test - purpose, use and function. 2001 Sorghum Industry Conference & 22nd Biennial Grain Sorghum Research and Utilization Conference, p. 35-36, February 18-20, Nashville, TN.
- Rosenow, D.T., L.W. Rooney, A.B. Maunder, and M.L. Gilbert. 1995. Breeding grain sorghum with improved food quality. Proceedings of Sorghum Journey to Success, Sorghum Improvement Conference of North America 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX., pages 143-147.
- Seetharaman, K., E. Whitehead, R.D. Waniska, and L.W. Rooney. 1996. In vitro bioactivity of antifungal proteins purified from sorghum caryopses against grain molding fungi. Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska. Publication 97-5., page 676.
- Seetharaman, K., R.D. Waniska and L.W. Rooney. 1995. Potential of sorghum antifungal proteins to inhibit grain molding. AACC Meeting, November 5-9, San Antonio, Tx. *Cereal Foods World* 40:(9):661.
- Seetharaman, K., R.D. Waniska, and L.W. Rooney. 1995. Variability in sorghum antifungal proteins: chitinases and sormatin. Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX., pages 143-147.
- Serna-Saldivar, S.O., C.J. Clegg, and L.W. Rooney. 1991. Effects of Parboiling and Decortication on the Nutritional Value of Pearl Millet and Sorghum. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 272.
- Serna-Saldivar, S.O., M.H. Gomez, F.A. Gomez, D.H. Meckenstock and L.W. Rooney. 1991. The Tortilla-Making Characteristics of Three Improved Sorghum Cultivars Compared to Maicillos Criollos in Honduras. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1., p. 272.

- Shull, J.M., J.J. Watterson and A.W. Kirleis. 1990. Localization of gamma-kafirin in *Sorghum bicolor* endosperm. *Cereal Foods World* 35:823.
- Siame, B.A., G. Ejeta and L.G. Butler. 1993. Phenolic Composition of Tan and Red Isogenic Sorghum Genotypes and their Reaction to Leaf Diseases. Symposium on Natural Phenols in Plant Resistance (Intl. Soc. for Horticultural Science). Sept. 13-17, 1993. Tech. Univ. of Munich, Freising, Germany. Abst.#1-29.
- Suhendra, B.P. and B.R. Hamaker. Relationship of protein to starch digestibility of sorghum grain for animal feed use, American Association of Cereal Chemists annual meeting, Montreal, October, 2002.
- Suhendro, E.L., H.D. Almeida-Dominguez, L.W. Rooney, and R.D. Waniska. 1996. An objective measurement of tortilla texture. *Cereal Foods World* 41(7):577.
- Suhendro, E.L., C.M. McDonough, L.W. Rooney, and R.D. Waniska. 1995. Effects of processing conditions and sorghum variety on the quality of "Jowar Crunch". Proceedings 19th Biennial Grain Sorghum Research and Utilization Conference, National Grain Sorghum Producers Association, Lubbock, TX., p. 65.
- Tandjung, A.S., S.J. Batterman-Azcona, and B.R. Hamaker. 1999. The effect of corn zein protein on extrudate properties and viscosity profiles, American Association of Cereal Chemists annual meeting, Seattle, WA, November, p. 235.
- Toure, A., J.F. Scheuring, D.T. Rosenow, and L.W. Rooney. 1996. The potential of local cultivars in sorghum improvement in Mali. Proceedings of the International Conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, 1996, Lubbock, TX. INTSORMIL, University of Nebraska. Publication 97-5., p. 678.
- Watterson, J.J. and A.W. Kirleis. 1990. Isolation and characterization of kafirin proteins. *Cereal Foods World* 35:323.
- Weaver, C.A. and B.R. Hamaker. 1995. Rapid digestion of the \pm -kafirin storage protein of a highly digestible sorghum genotype as measured by ELISA. *Cereal Foods World* 40:668.
- Weaver, C.A., B.R. Hamaker and C.P. Huang. 1994. Differences in rates of protein digestion due to kafirin-containing protein bodies. *Cereal Foods World*. 39:618.
- Weerasuriya, Y., A. Melake Berhan, G. Ejeta, L. Butler, J. Bennetzen. 1994. A Molecular Marker-Based Linkage Map of Sorghum. *Agron. Abst.* p. 206.
- Weerasuriya, Y., G. Ejeta and L.G. Butler. 1992. Production of Host-Derived Developmental Signals for Witchweed. Am. Soc. Agron. Annual Meeting Abstracts, Minneapolis. Nov. 1-6, 1992.
- Zelaya, N., H. Yeggy, E.L. Suhendro, L.W. and Rooney. 2000. Characterization of table tortillas from sorghum high in phenolic compounds. AACC 85th Annual Meeting, November 5-9, Kansas City, MO. <http://aaccnet.org/meetings/2000/abstracts/a00ma2.htm>
- Zelaya, N., H. Yeggy, E.L. Suhendro, X. Quintero and L.W. Rooney. 1999. The effect of grain color and pH on sorghum tortilla chips. AACC 84th Annual Meeting, October 31 - November 3, Seattle, WA. *Cereal Foods World*. <http://aaccnet.org/meetings/99mtg/abstracts/acabc74.htm>
- Zhang, G. and B.R. Hamaker. 2000. Detection of a three-component complex among starch, protein, and free fatty acid. American Association of Cereal Chemists annual meeting, Kansas City, November, p. 314.

- Zhang, G. and B.R. Hamaker. 1999. Interaction among starch, protein, and lipid affects starch pasting properties. Institute of Food Technologists annual meeting abstracts., Chicago, July p. 176.
- Zhang, G. and B.R. Hamaker. 1999. Starch-protein-lipid interaction in a model system, American Association of Cereal Chemists annual meeting, Seattle, November, p. 302.
- Zhang, G. and B.R. Hamaker. 1997. The effect of protein on sorghum starch digestibility. *Cereal Foods World* 42:646.
- Zhang, G., C.P. Huang, and B.R. Hamaker. 1996. Variation in enzymatic hydrolysis of native sorghum starch. *Cereal Foods World* 41:564.

Pathology



Journal Articles

- Adams, G., N. Johnson, J.F. Leslie and L.P. Hart. 1987. Heterokaryons of *Gibberella zeae* formed following hyphal anastomosis or protoplast fusion. *Experimental Mycology* 11:339-353.
- Alexander, J.D., R.W. Toler and F.R. Miller. 1990. Plant density effect on proportion of maize dwarf mosaic virus infection in sorghum. *Phytopathology* 80:433.
- Akhtar, M.A. and L.E. Claflin. 1986. Immunofluorescent detection of *Pseudomonas avenae* in plant tissue. *Pak. J. Agric. Res.* 7:238-240.
- Akhtar, M.A. and L.E. Claflin. 1986. Detection of *Pseudomonas andropogonis* in plant tissue employing fluorescent antibody stain procedure. *Pak. J. Agric. Res.* 7:319-322.
- Ali, M.E.K. and H.L. Warren. 1987. Physiological races of *Colletotrichum graminicola* on sorghum. *Plant Dis.* 71:402-404.
- Ali, M.E.K., H.L. Warren and R.X. Latin. 1987. Relationship between anthracnose leaf blight and losses in grain yield of sorghum. *Plant Dis.* 71:803-806.
- Ali, M.E.K. and H.L. Warren. 1984. Variation in pathogenicity within sorghum isolates of *Colletotrichum graminicola*. *Phytopathology* 74:883.
- Bacon, C.W., J.K. Porter, W.P. Norred, and J.F. Leslie. 1996. Production of fusaric acid by *Fusarium* species. *Applied and Environmental Microbiology* 62:4039-4043.
- Bailey, C.A., J.J. Fazzino, Jr., M.S. Ziehr, A.U. Haq, G. Odvody, and J.K. Porter, 1999. Evaluation of sorghum ergot toxicity in broilers. *Poultry Sci.* 78:1391-1397.
- Bandyopadhyay, R., D. E. Frederickson, N. W. McLaren, G. N. Odvody, and M. J. Ryley. 1998. Ergot: A New Disease Threat to Sorghum in the Americas and Australia. *Plant Disease* 82:356-367.
- Bhaskaran, S., R.H. Smith and R.A. Frederiksen. 1991. A factor that promotes mycelial development in *Sporisorium reilianum* *in vitro*. *Botanical Gazette* 152:4.
- Bhaskaran, S., R.H. Smith and R.A. Frederiksen. 1990. Gibberellin A₃ reverts floral primordia to vegetative growth in sorghum. *Plant Sci.* 71:113-118.
- Berger, P.H., R.W. Toler and K.F. Harris. 1989. The rate of inoculativity loss of maize dwarf mosaic virus by *Schizaphis graminum* Rondani after various acquisition access times and its relationship to nonpersistent transmission mechanisms. *J. Phytopathology* 125:336-342.
- Berger, P.H. and R.W. Toler. 1983. Maize dwarf mosaic virus transmission by greenbug biotypes. *Plant Dis.* 67:496-497.
- Bowden, R.L. and J.F. Leslie. 1999. Sexual recombination in *Giberella Zeae* (*Fusarium graminearum*). *Phytopathology* 89:182-188.
- Bowden, R.L. and J.F. Leslie. 1992. Nitrate-nonutilizing mutants of *Gibberella zeae* (*Fusarium graminearum*) and their use in determining vegetative compatibility. *Experimental Mycology* 16:307-315.

- Bramel-Cox, P.J. and L.E. Claflin. 1989. Selection for resistance to *Macrophomina phaseolina* and *Fusarium moniliforme* in sorghum. *Crop Sci.* 29:1468-1472.
- ramel-Cox, P. J., I. S. Stein, D. M. Rodgers, and L. E. Claflin. 1988. Inheritance of resistance to *Macrophomina phaseolina* (Tassi) Goid. and *Fusarium moniliforme* Sheldon in sorghum. *Crop Sci.* 28:37-40.
- Britz, H., T.A. Coutinho, M.J. Wingfield, W.F.O. Marasas, T.R. Gordon and J.F. Leslie. 1999. *Fusarium subglutinans* f. sp. *pini* represents a distinct mating population in the *Gibberella fujikuroi* species complex. *Applied and Environmental Microbiology* 65:1198-1201.
- Britz, H., M.J. Wingfield, T.A. Coutinho, W.F.O. Marasas and J.F. Leslie. 1998. Female fertility and mating-type distribution in a South African population of *Fusarium subglutinans* f. sp. *pini*. *Applied and Environmental Microbiology*. 64:2094-2095.
- Brooker, N.L., J.F. Leslie and M.B. Dickman. 1990. Nitrate nonutilizing mutants of *Colletotrichum*. *Phytopathology* 80:1057.
- Brooker, N.L., J.F. Leslie and M.B. Dickman. 1991. Nitrate nonutilizing mutants of *Colletotrichum* and their use in vegetative compatibility and genetic relatedness. *Phytopathology* 81:672-677.
- Britz, H., M.J. Wingfield, T.A. Coutinho, W.F.O. Marasas and J.F. Leslie. 1998. Female fertility and mating type distribution in a South African population of *Fusarium subglutinans* f. sp. *pini*. *Applied and Environmental Microbiology* 64:2094-2095.
- Campbell, C.L. and J.F. Leslie. 1993. Using VCGs to determine genetic diversity of *Fusarium moniliforme* in 24 maize seed lots. *Phytopathology* 83:1041.
- Cardwell, K.F., P.R. Hepperly and R.A. Frederiksen. 1989. Pathotypes of *Colletotrichum graminicola* and seed transmission of sorghum anthracnose. *Plant Dis.* 73:255-257.
- Cardwell, K.F., S.D. Collins, R.A. Frederiksen. 1988. Dilatory resistance character of sorghum hybrids as measured by area under disease progress curve. *Biological and Cultural Tests for Control of Plant Diseases*. Vol. 3:36.
- Casela, C.R. and R.A. Frederiksen. 1993. Survival of sclerotia of *Colletotrichum graminicola* in sorghum stalk residues. *Plant Dis.* 77:825-827.
- Casela, C.R., R.A. Frederiksen and A.S. Ferreira. 1993. Evidence for dilatory resistance to anthracnose in sorghum. *Plant Dis.* 77:908-911.
- Chaisrisook, C. and J.F. Leslie. 1990. A nuclear gene controlling perithecial pigmentation in *Gibberella fujikuroi* (*Fusarium moniliforme*). *Journal of Heredity* 81:189-192.
- Chaisrisook, C. and J.F. Leslie. 1990. Genetic diversity within populations of *Fusarium* section *Liseola* from corn and sorghum in Kansas. *Phytopathology* 80:1042.
- Chulze, S. N., A. Torres, M. L. Ramirez & J. F. Leslie. 2000. Genetic variation in *Fusarium* section *Liseola* from no-till maize in Argentina. *Applied and Environmental Microbiology* 66: 5312-5315.
- Claflin, L. E. 2000. Procaryotic diseases and stalk rots of grain sorghum diseases. In, R. A. Fredericksen and G. N. Odvody, eds., *Sorghum Disease Compendium*, 2nd ed. p. 5-7, 28-30. American Phytopathological Soc., St. Paul, MN.

- Clafin, L. E. 2000. Ergot: A new disease of grain sorghum in the Western Hemisphere. *Revista Mexicana de Fitopatología*. 17:46-48.
- Clafin, L.E., B.A. Ramundo, J.E. Leach and I.D. Erinle. 1989. *Pseudomonas avenae*, causal agent of bacterial leaf stripe of pearl millet. *Plant Dis*. 73:1010-1014.
- Clafin, L.E., A.K. Vidaver and M. Sasser. 1987. MXP, A semi-selective medium for *Xanthomonas campestris* pv. *phaseoli*. *Phytopathology* 77:730-734.
- Correll, J.C., C.J.R. Klittich and J.F. Leslie. 1989. Heterokaryon self-incompatibility in *Gibberella fujikuroi* (*Fusarium moniliforme*). *Mycological Res*. 93:21-27.
- Correll, J.C., C.J.R. Klittich and J.F. Leslie. 1987. Nitrate non-utilizing mutants of *Fusarium oxysporum* and their use in vegetative compatibility tests. *Phytopathology* 77:1640-1646.
- Craig, J. and R.A. Frederiksen. 1992. Comparison of sorghum seedling reactions to *Sporisorium reilianum* in relation to sorghum head smut resistance classes. *Plant Dis*. 76:314-318.
- Craig, J., G.N. Odvody, G.C. Wall and D.H. Meckenstock. 1989. Sorghum Downy Mildew loss assessment with near-isogenic sorghum populations. *Phytopathology* 79:448-451.
- Craig, J., R.A. Frederiksen, G.N. Odvody and S. Szerszen. 1987. Effects of herbicide antidotes on sorghum downy mildew. *Phytopathology* 77:1530-1532.
- Cuarezma-Teran, J.A., L.E. Trevathan, and S.C. Bost. 1984. Nematodes associated with sorghum in Mississippi. *Plant Dis*. 68:1083-1085.
- Cuarezma-Teran, J.A. and L.E. Trevathan. 1985. Effects of *Quinisulcius acutus* and *Pratylenchus zeae* alone and in combination on sorghum. *J. Nematology* 17:169-174.
- Dahlberg, J.A., R. Bandyopadhyay, W.L. Rooney, G.N. Odvody, and P. Madera-Torres. 2001. Evaluation of sorghum germplasm used in U.S. breeding programmes for sources of sugary disease resistance. *Plant Pathology* 50:681-689.
- Dahlberg, J.A., G.L. Peterson, G.N. Odvody, and M. Bonde. 1999. Inhibition of germination and sporulation of *Claviceps africana* from honeydew encrusted sorghum with seed treatment fungicides. *Crop Protection* 18:235-238.
- Darnetty, J.F. Leslie, S. Muthukrishnan, M. Swegle, A.J. Vigers and C.P. Selettrinnikoff. 1993. Variability in antifungal proteins in the grains of maize, sorghum and wheat. *Physiologia Plantarum* 88:339-349.
- Darnetty, J.F. Leslie and S. Muthukrishnan. 1990. Antifungal activities from the grains of corn, sorghum and wheat. *Phytopathology* 80:1055.
- Desjardins, A.E., R.D. Plattner, M. Lu, and L.E. Clafin. 1998. Distribution of fumonisins in maize ears infected with strains of *Fusarium moniliforme* that differ in fumonisin production. *Plant Dis*. 82:953-958.
- Desjardins, A.E., R.D. Plattner and J.F. Leslie. 1995. Genetic analysis of fumonisin production and virulence of *Gibberella fujikuroi* mating population A (*Fusarium moniliforme*) on maize (*Zea mays*) seedlings, *Applied and Environmental Microbiology* 61:79-86.

- Desjardins, A.E., R.D. Plattner, J.F. Leslie and P.E. Nelson. 1992. Heritability of fumonisin B₁ production in *Gibberella fujikuroi* mating population "A". *Applied and Environmental Microbiology* 58:2799-2805.
- Desjardins, A.E., R.D. Plattner, J.F. Leslie and P.E. Nelson. 1991. Genetic analysis of fumonisin biosynthesis in *Fusarium moniliforme* mating population A. *Phytopathology* 81:1224.
- Dickey, R.S., L.E. Claflin and C.H. Zumoff. 1987. *Erwinia chrysanthemi*: Serological comparisons of strains from *zea mays* and other hosts. *Phytopathology* 77:426-430.
- Dickman, M.B. and J.F. Leslie. 1992. Complementation of a *nnu* mutant of *Gibberella zae* (*Fusarium graminearum*) by the regulatory *nit-2* gene of *Neurospora crassa*. *Molecular and General Genetics* 235:458-462.
- Doe, F.J. and J.F. Leslie. 1993. A laboratory exercise for isolating and characterizing microbial mutants with metabolic defects. *The American Biology Teacher* 55:430-433.
- Duncan, R.R., D.T. Rosenow and R.A. Frederiksen. 1988. Registration of Sorghum disease resistant fertility restorer germplasm line, 87BL2598. *Crop Sci.* 28:1037.
- Duncan, R.R., A. Sotomayor-Rios, P.P. Hepperly, D.T. Rosenow, F.R. Miller, S. Narro, G. Forbes, and R.A. Frederiksen. 1987. Release of GPTM313R *Fusarium* resistant germplasm. *Crop Sci.* 27:1321-1322.
- El-Assiuty, E.M., A.M. Ismael, K.A. Zeller and J.F. Leslie. 1999. Relative colonization ability of greenhouse-grown maize by four lineages of *Cephalosporium maydis*. *Phytopathology* 89:s23.
- Esele, J.P., R.A. Frederiksen and F.R. Miller. 1993. The association of genes controlling caryopsis traits with grain mold resistance in sorghum. *Phytopathology* 83:490-495.
- Farrokhi-Nejad, R. and J.F. Leslie. 1990. Vegetative compatibility group diversity within populations of *Fusarium moniliforme* isolated from corn seed. *Phytopathology* 80:1043.
- Fernandez, L.D. and D.H. Meckenstock. 1986. Virulence of *Peronosclerospora sorghi* in Honduras. (In Spanish). *CEIBA* 28:79-100.
- Forbes, G.A., R.A. Frederiksen and L.M. Seitz. 1989. Assessment of grain mold: Disease severity and crop loss. *Seed Sci. and Technol.* 17:297-307.
- Forbes, G.A., D.C. Collins, G.N. Odvody, and R.A. Frederiksen. 1985. A seedling epiphytotic of sorghum in South Texas caused by *Pythium arrhenomanes*. *Plant Dis.* 69:726.
- Forbes, G.A., O. Ziv, and R.A. Frederiksen. 1987. Resistance in sorghum to seedling disease caused by *Pythium arrhenomanes*. *Plant Dis* 71:145-148.
- Fotso, J., J. F. Leslie & J. S. Smith. 2002. Production of beauvericin, moniliformin, fusaproliferin, and fumonisins B₁, B₂ and B₃ by ex-type strains of fifteen *Fusarium* species. *Applied and Environmental Microbiology* 68: 5195-5197.
- Fotso, J., J. F. Leslie & J. S. Smith. 2002. Production of beauvericin, moniliformin, fusaproliferin, and fumonisins B₁, B₂ and B₃ by ex-type strains of fifteen *Fusarium* species. *Applied and Environmental Microbiology* 68: 5195-5197.

- Frederickson, D.E., E.S. Monyo, S.B. King, G.N. Odvody, and L.E. Claflin. 1999. Presumptive identification of *Pseudomonas syringae*, the cause of foliar leafspots and streaks on pearl millet in Zimbabwe. *J. Phytopathology* 147:701-706.
- Frederiksen, R.A. 2000. Diseases and disease management in sorghum. Wiley Press. Series in Crop Science. p. 497-534.
- Frederiksen, R.A., D.T. Rosenow, D.C. Collins, and J. Craig. 1986. Registration of six bulks of downy mildew resistant sorghum germplasm. *Crop Sci.* 26:208-209.
- Gimenes-Fernandes, N., R.A. Frederiksen, and A.M. Pena. 1984. Avaliacao da resistencia ao mildio [*Peronosclerospora sorghi* (Weston & Uppal) G.G. Shaw] atraves da leit ura das lesoes foliares locais. *Phytopathologica* 10:(no 3, 4) 189-205.
- Giorda, L.M., R.W. Toler and F.R. Miller. 1986. Identification of sugarcane mosaic strain H isolate in commercial grain sorghum. *Plant Dis.* 70:624-628.
- Hanson, L. A., B. Bailey, R.A. Frederiksen, J.D. Smith, and C.W. Magill. 1997. Early events in the interaction between maize and southern rust. *Maydica* 42:339-346.
- Harris, M.K. and R.A. Frederiksen. 1984. Concepts and methods regarding host plant resistance to arthropods and pathogens. *Ann. Rev. Phytopathol.* 22:247-272.
- Hetrick, B.A.D., G.W.T. Wilson and J.F. Leslie. 1991. Root architecture of warm- and cool-season grasses: Relationship to mycorrhizal dependence. *Canadian Journal of Botany* 69:112-118.
- Hipskind, J.D., J.R. Vincent, L.G. Butler and R.L. Nicholson. 1993. Partial Purification of 4-Hydroxycinnamic acid: CoA Ligase from Maize Leaves Infected with *Bipolaris maydis*. *Physiological and Molecular Plant Physiology* 43:365-377.
- Horne, C.W., R.W. Toler and J.D. Trampota. 1991. Reactions of commercial grain sorghum hybrids to infection by the maize dwarf mosaic virus. *Biological and Cultural Tests for Control of Plant Diseases* 6:46.
- Huss, M.J., C.L. Campbell, D.B. Jennings, and J.F. Leslie. 1996. Isozyme variation among biological species in the *Gibberella fujikuroi species complex* (*Fusarium section Liseola*). *Applied and Environmental Microbiology* 62:3750-3756
- Isakeit, T., G. N. Odvody, and R. A. Shelby. 1998. First report of sorghum ergot caused by *Claviceps africana* in the United States. *Plant Dis.* 82:592.
- Jardine, D.J. and J.F. Leslie. 1999. Aggressiveness to mature maize plants of *Fusarium* strains differing in the ability to produce fumonisin. *Plant Disease* 83:690-693.
- Jardine, D.J. and J.F. Leslie. 1992. Aggressiveness of *Gibberella fujikuroi* (*Fusarium moniliforme*) isolates to grain sorghum under greenhouse conditions. *Plant Disease* 76:897-900.
- Jardine, D.J. and J.F. Leslie. 1991. Aggressiveness of isolates of *Gibberella fujikuroi*, mating population "F", on grain sorghum. *Phytopathology* 81:1236.
- Jensen, S.G., M.K. Palomar, E.M. Ball and R. Samson. 1985. Factors influencing the virus titer in maize dwarf mosaic virus infected sorghum. *Phytopathology* 75:1132-1136.

- Jurgenson, J. E., R. L. Bowden, K. A. Zeller, J. F. Leslie, N. J. Alexander & R. D. Plattner. 2002. A genetic map of *Gibberella zeae* (*Fusarium graminearum*). *Genetics* **160**: 1452-1460.
- Jurgenson, J. E., K. A. Zeller & J. F. Leslie. 2002. An expanded genetic map of *Gibberella moniliformis* (*Fusarium verticillioides*). *Applied and Environmental Microbiology* **68**: 1972-1979.
- Jurgenson, J. E., R. L. Bowden, K. A. Zeller, J. F. Leslie, N. J. Alexander and R. D. Plattner. 2002. A genetic map of *Gibberella zeae* (*Fusarium graminearum*). *Genetics* **160**: 1452-1460.
- Jurgenson, J. E., K. A. Zeller and J. F. Leslie. 2002. An expanded genetic map of *Gibberella moniliformis* (*Fusarium verticillioides*). *Applied and Environmental Microbiology* **68**: 1972-1979.
- Kedera, C.J., J.F. Leslie and L.E. Claflin. 1994. Genetic diversity of *Fusarium* section *Liseola* (*Gibberella fujikuroi*) in individual maize stalks. *Phytopathology* **84**:603-607.
- Kedera, C.J., J.F. Leslie and L.E. Claflin. 1992. Systemic infection of corn by *Fusarium moniliforme*. *Phytopathology* **82**:1138.
- Keréyi, Z., K. Zeller, L. Hornok and J.F. Leslie. 1999. Standardization of mating-type terminology in the *Gibberella fujikuroi* species complex. *Applied and Environmental Microbiology* **65**:4071-4076.
- Kinzel, J.J. and J.F. Leslie. 1985. NADPH-dependent glutamate dehydrogenase activity in *Gibberella zeae*. *Experimental Mycology* **9**:170-173.
- Kistler, H.C., C. Alabouvette, R.P. Baayen, S. Bentley, D. Brayford, A. Coddington, J.C. Correll, M.-J. Daboussi, K. Elias, D. Fernandez, T.R. Gordon, T. Katan, H.G. Kim, J.F. Leslie, R.D. Martyn, Q. Migheli, N.Y. Moore, K. O'Donnell, R.C. Ploetz, M.A. Rutherford, B. Summerell, C. Waalwijk and S. Woo. 1998. Systematic numbering of vegetative compatibility groups in the plant pathogenic fungus *Fusarium oxysporum*. *Phytopathology* **88**:30-32.
- Klittich, C. J. R., J.F. Leslie, P.E. Nelson, and W.F.O. Marasas. 1997. *Fusarium thapsinum* (*Gibberella thapsina*): A new species in section *Liseola* from sorghum. *Mycologia* **89**:643-652.
- Klittich, C.J.R. and J.F. Leslie. 1992. Identification of a second mating population within the *Fusarium moniliforme* anamorph of *Gibberella fujikuroi*. *Mycologia* **84**:541-547.
- Klittich, C.J.R. and J.F. Leslie. 1989. Chlorate-resistant, nitrate-utilizing mutants of *Fusarium moniliforme* (*Gibberella fujikuroi*). *J. General Microbiology*. **135**:721-727.
- Klittich, C.J.R. and J.F. Leslie. 1988. Nitrate reduction mutants of *Fusarium moniliforme* (*Gibberella fujikuroi*). *Genetics* **118**:417-423.
- Klittich, C.J.R., J.C. Correll and J.F. Leslie. 1988. Inheritance of sectoring frequency in *Fusarium moniliforme* (*Gibberella fujikuroi*). *Experimental Mycology* **12**:289-294.
- Klittich, C.J.R. and J.F. Leslie. 1988. Multi-well plates for complementation tests of *Fusarium*. *Fungal Genetics Newsletter* **35**:21-22.
- Leach, J.E., B.A. Ramundo, D.L. Pearson, and L.E. Claflin. 1987. Dot-immunobinding assay for detecting *Xanthomonas campestris* pv. *holcicola* in sorghum. *Plant Dis.* **71**:30-33.

- Leslie, J. F., K. A. Zeller & B. A. Summerell. 2001. Icebergs and species in populations of *Fusarium*. *Physiological and Molecular Plant Pathology* 59: 107-117.
- Leslie, J. F. 2001. Population genetic level problems in the *Gibberella fujikuroi* species complex. *In: Fusarium: Paul E. Nelson Memorial Symposium* (B. A. Summerell, J. F. Leslie, D. Backhouse & W. L. Bryden, eds.), p. 113-121. APS Press, St. Paul, Minnesota.
- Leslie, J. F. 2000. Storage molds and mycotoxinoses. *In: Compendium of Sorghum Diseases* (R. A. Frederiksen & G. N. Odvody, eds.), p. 42-43. APS Press, St. Paul, Minnesota. 78 p.
- Leslie, J. F. 2000. *Fusarium* species associated with sorghum. *In: Compendium of Sorghum Diseases* (R. A. Frederiksen & G. N. Odvody, eds.), p. 30-31. APS Press, St. Paul, Minnesota. 78 p.
- Leslie, J.F. 1999. Genetic status of the *Gibberella fujikuroi* species complex. *The Plant Pathology Journal* 15:259-269.
- Leslie, J. F., and C.T. Yamashiro. 1997. Effects of the *tol* mutation on allelic interactions at *het* loci in *Neurospora crassa*. *Genome* 40:834-840.
- Leslie, J.F. and K. Zeller. 1997. Mutants that blur the line between biological species and vegetative compatibility groups. *Cereal Research Communications* 25:539-542.
- Leslie, J.F. 1996. Fungal vegetative compatibility - Promises and prospects. *Phytoparasitica* 24:1-4.
- Leslie, J.F. 1996. Genetic problems in some *Fusarium species*. *Sydowia* 48:32-43.
- Leslie, J.F., and K.K. Klein. 1996. Female fertility and mating-type effects on effective population size and evolution in filamentous fungi. *Genetics* 144:557-567.
- Leslie, J.F., W.F.O. Marasas, G.S. Shephard, E.W. Sydenham, S. Stockenström, and P.G. Thiel. 1996. Duckling toxicity and the production of fumonisin and moniliformin by isolates in the A and F mating populations of *Gibberella fujikuroi* (*Fusarium moniliforme*). *Applied and Environmental Microbiology* 62:1182-1187.
- Leslie, J.F., and K.A. Zeller. 1996. Heterokaryon compatibility in fungi - More than just another way to die. *Journal of Genetics* 75:415-424.
- Leslie, J.F. 1995. *Gibberella fujikuroi*: Available populations and variable traits. *Canadian Journal of Botany* 73:S282-S291.
- Leslie, J.F. 1993. Fungal vegetative compatibility. *Annual Review of Phytopathology* 31:127-151.
- Leslie, J.F., F.J. Doe, R.D. Plattner, D.D. Shackelford and J. Jonz. 1992. Fumonisin B₁ production and vegetative compatibility of strains from *Gibberella fujikuroi* mating population "A" (*Fusarium moniliforme*). *Mycopathologia* 117:37-45.
- Leslie, J.F., R.D. Plattner, A.E. Desjardins and C.J.R. Klittich. 1992. Fumonisin B₁ production by strains from different mating populations of *Gibberella fujikuroi* (*Fusarium* section *Liseola*). *Phytopathology* 82:341-345.
- Leslie, J.F. 1991. Mating populations in *Gibberella Fujikuroi* (*Fusarium* section *Liseola*). (Invited review). *Phytopathology* 81:1058-1060.

- Leslie, J.F. and M.B. Dickman. 1991. Fate of DNA encoding hygromycin resistance following meiosis in transformed strains of *Gibberella fujikuroi* (*Fusarium moniliforme*). Applied and Environmental Microbiology. 57:1423-1429.
- Leslie, J.F., C.J.R. Klittich and C. Chaisrisook. 1990. Fertility of isolates belonging to *Fusarium* section *Liseola* from corn and sorghum. Phytopathology 80:963.
- Leslie, J.F., C.A.S. Pearson, P.E. Nelson and T.A. Toussoun. 1990. *Fusarium* species from corn, sorghum, and soybean fields in the central and eastern United States. Phytopathology 80:343-350.
- Leslie, J.F. 1987. A nitrate nonutilizing mutant of *Gibberella zeae*. Journal of General Microbiology 133:1279-1287.
- Leslie, J.F. 1986. Utilization of nitrogen sources by *Gibberella zeae*. Mycologia 78:568-576.
- Leslie, J.F. and W.B. Watt. 1986. Some evolutionary consequences of the molecular recombination process. Trends in Genetics 2:288-291.
- Leslie, J.F. and W.B. Watt. 1984. Postmeiotic segregation as a source of mosaics in diploid organisms. Genetical Research 44:225-229.
- Mansuetus, A. S. B., G.N. Odvody, R.A. Frederiksen, and J.F. Leslie. 1997. Biological species of *Gibberella fujikuroi* (*Fusarium* section *Liseola*) recovered from sorghum in Tanzania. Mycological Research 101:815-820.
- Mansuetus, S.B., R.A. Frederiksen, R.D. Waniska, G.N. Odvody and J. Craig. 1990. The role of glumes of sorghum in resistance to grain mold. Phytopathology. 80:(A903).
- Marasas, W. F. O., J. P. Rheeder, S. C. Lamprecht, K. A. Zeller & J. F. Leslie. 2001. *Fusarium andiyazi* sp. nov., a new species from sorghum. Mycologia 93: 1203-1210.
- Matheussen, A.M., P.W. Morgan and R.A. Frederiksen. 1991. Implications of Gibberellins in head smut (*Sporisorium reilianum*) of *Sorghum bicolor*. Plant Physiol. 96:537-544.
- McKern, N.M., D.D. Shukla, R.W. Toler, S.G. Jensen, M. Tomic, R.E. Ford, O. Leon and C.W. Ward. 1991. Confirmation that the sugarcane mosaic virus subgroup consist of four distinct potyviruses by using peptide profiles of coat proteins. Phytopathology 81:1025-1029.
- Meckenstock, D.H. and G.C. Wall. 1986. Sorghum diseases in Honduras: Their importance and strategies for control. (In Spanish). Ceiba 28:101-113.
- Miller, F.R. and R.W. Toler. 1984. Registration of Tx2786 sorghum germplasm. Crop Sci. 24:1219.
- Morgan, P.W., E.H. Omer and R.A. Frederiksen. 1994. Benzylaminopurine application reduces stalk rot and can delay leaf senescence in field-grown *Sorghum bicolor*. PSRSA Quarterly 21:198-204.
- Morris, S.W., B. Vernooij, S. Titatarn, M. Starrett, S. Thomas, C.C. Wiltse, R.A. Frederiksen, A. Bhandhufalck, S. Hulbert, and S. Uknes. 1998. Induced resistance responses in maize. MPMI. 11:643-657.
- Muriithi, L. M., and L. E. Clafin. 1997. Genetic variation of grain sorghum germplasm for resistance to *Pseudomonas andropogonis*. Euphytica 98:129-132.

- Nicholson, R.L., L.G. Butler, and T.N. Asquith. 1987. Glycoproteins from *Colletotricum graminicola* bind polyphenols: implications for survival and virulence of phytopathogenic fungi. *Phytopathology*. 76:1315-1318.
- Nzioki, H.S., L.E. Claflin and B.A. Ramundo. 2000. Evaluation of screening protocols to determine genetic variability of grain sorghum germplasm to *Sporisorium sorghi* under field and greenhouse conditions. *J. Pest Management* 46:91-95.
- Odvodny, G.N. and J.B. Mott. 1986. Systemic fungicides used as seed treatments to control systemic sorghum downy mildew. *Fungicide and Nematicide Tests*. Volume 41.
- Odvodny, G.N. and D.B. Madden. 1984. Leaf sheath blights of Sorghum bicolor in South Texas caused by *Gloeocercospora sorghi* and *Sclerotium rolfsii*. *Phytopathology* 74:264-268.
- Odvodny, G.N. and R.A. Frederiksen. 1984. Use of systemic fungicide metalaxyl and fosetyl-A for control of sorghum downy mildew in corn and sorghum in South Texas. I. Seed treatment. *Plant Dis.* 68:604-607.
- Odvodny, G.N. and R.A. Frederiksen. 1984. Use of systemic fungicide metalaxyl and fosetyl-A for control of sorghum downy mildew in corn and sorghum in South Texas. II. Foliar application. *Plant Dis.* 68:608-609.
- Osorio, J.A., and R.A. Frederiksen. 1998. Development of an infection assay for *Sporisorium reilianum*, the head smut pathogen on Sorghum. *Plant Disease* 82:1232-1236.
- Palomar, M.K. and S.G. Jensen. 1985. Relative amounts of maize dwarf mosaic virus in several grasses. *Sorghum Newsletter* 28:101.
- Palomar, M.K. and S.G. Jensen. 1985. Concentration and infectivity of maize dwarf mosaic virus in native great plains grasses. *Phytopathology* 75:965.
- Palomar, M.K., S.G. Jensen and E.M. Ball. 1984. The concentration of maize dwarf virus in sorghum. *Sorghum Newsletter* 27:123.
- Pascholati, S.F., L.G. Butler, and R.L. Nicholson. Phenylalanine ammonia lyase activity and anthocyanin accumulation in wounded maize mesocotyls. *J. Phytopathology*. 115:165-172. (1986).
- Pawar, M.N. R.A. Frederiksen, L.K. Mughogho, and M.R. Bonde. 1985. Survey of virulence in *Peronosclerospora sorghi* isolates from India, Ethiopia, Nigeria, Texas (USA), Honduras, Brazil, and Argentina. *Phytopathology* 75:1374.
- Pazoutova, S., R Bandyopadhyay, D.E. Fredericksen, P.G. Mantle, and RA. Frederiksen. 2000. Relations among sorghum ergot isolates from the Americas, Africa, India and Australia. *Plant Disease* 84:437-442.
- Pearson, C.A.S., J.F. Leslie and F.W. Schwenk. 1987. Utilization of nitrogen sources by *Macrophomina phaseolina*. *Transactions of the British Mycological Society* 88:497-502
- Pearson, C.A.S., J.F. Leslie and F.W. Schwenk. 1987. Host preference in *Macrophomina phaseolina*. *Plant Disease* 71:828-831.
- Pearson, C.A.S., J.F. Leslie and F.W. Schwenk. 1986. Variable chlorate resistance in *Macrophomina phaseolina* from corn, soybean and soil. *Phytopathology* 76:646-649.

- Plattner, R.D., A.E. Desjardins, J.F. Leslie and P.E. Nelson. 1996. Identification and characterization of strains of *Gibberella fujikuroi* mating population A (*Fusarium moniliforme*) with rare fumonisin phenotypes. *Mycologia* 87:416-424.
- Ploetz, R.C., J.L. Haynes, A. Vasquez, J.F. Leslie and A. El-Sattar. 1999. A preliminary study on the causal agent of mango malformation in Egypt. *Phytopathology* 89:s60.
- Presley, D.M., R.G. Henzell, R.S. Greber, D.S. Teakle, and R.W. Toler. 1985. Use of a set of differential sorghum inbred lines to compare isolates of sugarcane mosaic virus from sorghum and maize in nine countries. *Plant Dis.* 69:1046-1049.
- Qhobela, M., J.E. Leach, L.E. Claflin and D.L. Pearson. 1991. Characterization of strains of *Xanthomonas campestris* pv. *holcicola* by polyacrylamide gel electrophoresis of membrane proteins and by restriction endonuclease analyses and restriction fragment length polymorphisms of genomic DNA. *Plant Dis.* 75:32-36.
- Qhobela, Q., L.E. Claflin and D.C. Nowell. 1990. Evidence that *Xanthomonas campestris* pv. *zeae* can be distinguished from other pathovars capable of infecting maize by restriction fragment length polymorphism of genomic DNA. *Can. J. Plant Pathol.* 12:183-186.
- Qhobela, M. and L.E. Claflin. 1988. Characterization of *Xanthomonas campestris* pv. *pennamericanum* pv. nov., causal agent of bacterial leaf streak of pearl millet. *Int. J. Syst. Bacteriol.* 38:362-366.
- Raju, N.B. and J.F. Leslie. 1992. Cytology of recessive sexual-phase mutants from wild strains of *Neurospora crassa*. *Genome* 35:816-825.
- Ramadoss, C.S., J. Uhlig, D.M. Carlson, L.G. Butler, and R.L. Nicholson. 1985. Composition of the spore matrix of *Colletotrichum graminicola*. *J. Agric. Food Chem.* 33:728-732.
- Ramundo, B.A. and L.E. Claflin. 1990. Demonstration of synonymy between the plant pathogens *Pseudomonas avenae* and *Pseudomonas rubrilineans*. *J. Gen. Microbiol.* 136:2029-2033.
- Reddy, J.R., L.E. Claflin and B.A. Ramundo. 1991. Systemic colonization of grain sorghum plants by *Xanthomonas campestris* pv. *holcicola*. *Phytopathology* 81:1193.
- Rodriguez-Herrera, R., W.L. Rooney, D.T. Rosenow, and R.A. Frederiksen. 2000. Inheritance of grain mold resistance in grain sorghum without a pigmented testa. *Crop Science* 40:1573-1578.
- Rodriguez, J. Gonzalez-Dominguez, J.P. Krausz, G.N. Odvody, J.P. Wilson, W.W. Hanna, and M. Levy. 1999. First report and epidemics of buffelgrass blight caused by *Pyricularia grisea*. *Plant Disease* 83(4):398.
- Rosewich, U.L., R.E. Petway, B.A. McDonald, R.R. Duncan, and R.A. Frederiksen. 1998. Genetic structure and temporal dynamics of a *Colletotrichum graminicola* population in a sorghum disease nursery. *Phytopathology* 88:1078-1093.
- Schuh, W., J.J. Jeger, and R.A. Frederiksen. 1988. Comparisons of spatial patterns of oospores of *Peronosclerospora sorghi* in the soil and of sorghum plants with systemic downy mildew. *Phytopathology* 78:432-434.
- Schuh, W., M.J. Jeger, and R.A. Frederiksen. 1987. The influence of soil environment on the incidence of sorghum downy mildew: A principal component analysis. *Phytopathology* 77:128-131.

- Schuh, W., M.J. Jeger, and R.A. Frederiksen. 1987. The influence of soil temperature, soil moisture, soil texture, and inoculum density on the incidence of sorghum downy mildew. *Phytopathology* 77:125-128.
- Schuh, W., R.A. Frederiksen, and M.J. Jeger. 1986. Analysis of spatial patterns in sorghum downy mildew with Morisita's index of dispersion. *Phytopathology* 76:446-450.
- Schuh, W. and R.A. Frederiksen. 1985. Spatial distribution of systemic downy mildew, caused by *Peronosclerospora sorghi* in sorghum fields. *Phytopathology* 75:1342.
- Shukla, D.D., M. Tomic, J. Jilka, R.E. Ford, R.W. Toler and M.A.C. Langham. 1989. Taxonomy of potyviruses infecting maize, sorghum, and sugarcane in Australia and the United States as determined by reactivities of polyclonal antibodies directed towards virus-specific N-Termini of coat protein. *Phytopathology* 79:223-229.
- Siame, B.A., G. Ejeta and L.G. Butler. 1994. Phenolic composition of tan and red isogenic sorghum genotypes and their reaction to leaf diseases. *Acta Horticulturae* 381, 675-678.
- Siame, B.A., G. Ejeta and L.G. Butler. 1993. Role of Pigments and Tannins in the Reaction of Tan and Red Near-Isogenic Sorghum Lines to Leaf Diseases. *African Crop Sci. J.* 1:123-130.
- Sifuentes Barrera, J.A. and R.A. Frederiksen. 1994. Evaluation of sorghum hybrid mixtures for controlling sorghum leaf blight. *Plant Dis.* 78:499-503.
- Sifuentes, J., and R.A. Frederiksen. 1988. Inheritance of resistance to pathotypes 1, 2, and 3 of *Peronosclerospora sorghi* in sorghum. *Plant Dis.* 72:332-333.
- Sifuentes, J. and R.A. Frederiksen. 1985. Inheritance of resistance to three pathotypes of *Peronosclerospora sorghi*. *Phytopathology* 75:1310.
- Snyder, B.A., B. Leite, L.G. Butler, and R.L. Nicholson. 1991. Accumulation of Sorghum Phytoalexins at the Infection Site. *Physiological and Molecular Plant Pathology* 39:436-470.
- Steenkamp, E.T., B.D. Wingfield, T.A. Coutinho, M.J. Wingfield, W.F.O. Marasas and J.F. Leslie. 1999. PCR-based differentiation of *MAT-1* and *MAT-2* from *Gibberella fujikuroi*. *Phytopathology* 89: s75.
- Summerell, B. A., B. Salleh & J. F. Leslie. 2003. A utilitarian approach to *Fusarium* identification. *Plant Disease* 87: 117-128.
- Szerszen, J.B., R.A. Frederiksen, J. Craig and G.N. Odvody. 1988. Interactions between and among grain sorghum, sorghum downy mildew, and the seed herbicide antidotes concep II, concep, and screen. *Phytopathology* 78:1648-1655.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, and R.L. Nicholson. 1998. Ontogenetic characteristics of resistance to foliar anthracnose in Sorghum. *African Crop Science Journal* 6:249-258.
- Tenkouano, A. F.R. Miller, R.A. Frederiksen and D.T. Rosenow. 1993. Genetics of nonsensence and charcoal rot resistance in sorghum. *Theor. and Applied Gen.* 88:644-648.
- Tenkouano, A., F.R. Miller, G.E. Hart, R.A. Frederiksen and R.I. Nicholson. 1993. Phytoalexin assay in juvenile sorghum: An aid to breeding for anthracnose resistance. *Crop Sci.* 33:243-248.

- Thomas, M.D., and R.A. Frederiksen. 1995. Dynamics of oval and falcate conidium production of *Colletotrichum graminicola* from sorghum. *Mycologia* 87:87-89.
- Toler, R.W., Bhola Nath, D. Roose and G.M. Kaula. 1989. Occurrence of maize dwarf mosaic virus on sorghum in Zambia. *Plant Dis.* 73:273.
- Toler, R.W. 1985. Maize dwarf mosaic, the most important virus disease of sorghum. *Plant Dis.* 69:1011-1015.
- Velasquez-Valle, R., F. San Martin, G. Odvody, y J. Narro. 1999 (1998). Reporte preliminar sobre especies del genero *Claviceps* asociadas a pastos en algunos estados de Mexico y Texas, EUA. *Revista Mexicana de Fitopatologia* 16(1):42-45.
- Velasquez-Valle, R., J. Narro-Sanchez, R., Mora-Noasco, and G. N. Odvody. 1998. Spread of ergot of sorghum (*Claviceps africana*) in Central Mexico. *Plant Disease* 82:447.
- Wall, G.C., M.J. Jeger and R.A. Frederiksen. 1989. The relationship of yield loss to foliar diseases on sorghum grown by subsistence farmers in southern Honduras. *Tropical Pest Management.* 35:57-61.
- Wall, G.C., L.K. Mughogho, R.A. Frederiksen, and G.N. Odvody. 1987. Foliar disease of Sorghum species caused by *Cerospora fusimaculans*. *Plant Dis.* 71:759-760.
- Woudt, L.P., A. Neuvel, A. Sikkema, W.A.J. de Milliano, C.L. Campbell, and J.F. Leslie. 1995. *Fusarium* from cyclamens. *Phytopathology* 85:1348-1355.
- Wu, X., J. F. Leslie, R. A. Thakur & J. S. Smith. 2003. Preparation of a fusaproliferin standard from the culture of *Fusarium subglutinans* E-1583 by high performance liquid chromatography. *Journal of Food and Agricultural Chemistry* 51: 383-388.
- Xu, J.-R., and J.F. Leslie. 1996. A genetic map of *Fusarium moniliforme* (*Gibberella fujikuroi* mating population A). *Genetics* 143:175-189.
- Xu, J.-R., K. Yan, M.B. Dickman, and J.F. Leslie. 1995. Electrophoretic karyotypes distinguish the biological species of *Gibberella fujikuroi* (*Fusarium* section *Liseola*). *Molecular Plant-Microbe Interactions* 8:74-84.
- Yan, K., M.B. Dickman, J.-R. Xu and J.F. Leslie. 1993. Sensitivity of field strains of *Gibberella fujikuroi* (*Fusarium* section *Liseola*) to benomyl and hygromycin B. *Mycologia* 85:206-213.
- Yao, C.L., C.W. Magill, R.A. Frederiksen, M.R. Bonde, Y. Wang and P.S. Wu. 1991. Detection and identification of *Peronosclerospora sorghi* in maize by DNA hybridization. *Phytopathology* 81:901-905.
- Yao, Cheng-lin, C.W. Magill and R.A. Frederiksen. 1991. Use of an A-T rich DNA clone for identification and detection of *Peronosclerospora sorghi*. *Applied and Environmental Microbiology* 57:2027-2032.
- Yao, C.L., R.A. Frederiksen and C.W. Magill. 1989. Seed transmission of sorghum downy mildew: detection by DNA hybridization. *Seed Sci. & Tech.* 18:201-207.
- Zeller, K. A., A.-S. M. Ismael, E. M. El-Assiuty, Z. M. Fahmy, F. M. Bekheet and J. F. Leslie. 2002. Relative aggressiveness of four clonal lineages of *Cephalosporium maydis* from Egypt towards greenhouse-grown maize. *Plant Disease* 86: 373-378.

- Ziv, O., and R.A. Frederiksen. 1987. The effect of film-forming anti-transpirants on leaf rust and powdery mildew incidence on wheat. *Plant Pathology* 36:242-245.
- Ziv, O. and R.A. Frederiksen. 1985. Control of foliar diseases with film-forming anti-transpirants. *Phytopathology* 75:1348.
- Zummo, N. and L.M. Gourley. 1987. Occurrence of Target Spot (*Bipolaris sorghicola*) on sorghum in Mississippi. *Plant Dis.* 71:1045.
- Zummo, N. and D.M. Broadhead. 1984. Sources of resistance to rough leaf spot disease in sweet sorghum. *Plant Dis.* 68:1048-1049.
- Zummo, N. 1984. Diseases of pearl millet: An assessment in consideration of growing the crop in Mississippi. *J. Miss. Academy of Sciences* 29:129-131
- Zvoutete, P., L.E. Claflin, and B.A. Ramundo. 1991. Portal of entry of *Xanthomonas campestris* pv. *holcicola*. *Phytopathology* 81:1193.
- Zvoutete, P., L.E. Claflin and B.A. Ramundo. 1991. Seedborne role and longevity of *Xanthomonas campestris* pv. *holcicola* in grain sorghum. *Phytopathology* 81:1194.

Book, Book Chapters and Proceedings

- Anderson, J.B., L.M. Kohn and J.F. Leslie. 1992. Genetic mechanisms in fungal adaptation. p. 73-98. *In*: G.C. Carroll and D.T. Wicklow, (eds.) *The Fungal Community: Its Organization and Role in the Ecosystem*, 2nd ed. , Marcel Dekker, New York.
- Bandyopadhyay, R., C.R. Little, R.D. Waniska and D.R. Butler. 2002. Sorghum grain mold: Through the 1990s into the new millenium. P. 173-184. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Bandyopadhyay, R., V. Muthusubramanian, P.W. Tooley, S. Chakraborty, S. Pazoutová and S.S. Navi. 2002. Distribution and diversity of the sorghum sugary disease pathogens in India. p. 75-78. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Bandyopadhyay, R. 1999. Geographic distribution and spread of sorghum ergot: Causes and implications. p. 10-19. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) *Proceedings of Global Conference on Ergot of Sorghum*, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Bandyopadhyay, R. 1999. Role of ICRISAT in sorghum ergot research. p. 169-177. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) *Proceedings of Global Conference on Ergot of Sorghum*, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Bowden, R. L., J.F. Leslie. 1997. Diversity and sexuality in *Gibberella zae*. *In*: *Fusarium Head Scab: Global Status and Future Prospects* (H. J. Dublin, L. Gilchrist, J. Reeves, and A. McNab, eds.), p. 35-39. CIMMYT, Mexico City, Mexico. 130 p.
- Bowden, R.L. and J.F. Leslie. 1993. A method for crossing *Gibberella zae*. p. 45. *Proc. VIIth International Fusarium Workshop*.

- Burgess, L.W., B.A. Summerell, G. Giblet, D. Backhouse, M.L. Blake, J. Smith-White and M. Colville. 2002. The role of sorghum in the overseasoning of *Gibberella zeae*. p. 301-304. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Campbell, C.L. and J.F. Leslie. 1993. Genetic diversity in *Fusarium moniliforme* recovered from maize seed at 12 locations. p. 168. Proc. 6th International Cong. Plant Path.
- Casela, C.R., A.S. Ferreira, F.G. Santos and F.B. Guimaraes. 2002. Sorghum diseases in Brazil. p. 379-382. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Casela, C. R., A.S. Ferreira and N..F.J..A. Pinto. 1999. Sugary disease of sorghum in Brazil: An overview. p. 23-25. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Casela, C.R., A.S. Ferreira, K.A. Zeller, and M. Levy. 1995. Pathotype variation in the sorghum anthracnose fungus: A phylogenetic perspective for resistance breeding. p. 257-276. In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Casela, C.R. and R.A. Frederiksen. 1991. Pathogenic variation from monoconidial cultures of *Colletotrichum graminicola* originating from single lesions. p. 99. In Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.
- Clafin, L.E. and L.M. Giorda. 2002. Stalk rots of sorghum. p. 185-190. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Clafin, L. E., M. R. Tuinstra, and B. A. Ramundo. 2001. Ergot: A new disease of sorghum in the Western Hemisphere, p. 114-127. In Proc. Am Seed Trade Assoc. Mtg., Chicago, Il, December 5-8, 2000.
- Clafin, L.E. 1994. I. Identification of diseases of maize and sorghum. II. Control of bacterial diseases. p. 91-97. In M.T. Castro, (ed.), Seminario Internacional Sobre los Cultivos de Sorgo y Maiz sus Principales Plagas y Enfermedades, Instituto Colombiano Agropecuario (ICA), Tibaitata, Colombia, January 25-30, 1993.
- Clafin, L.E., B.A. Ramundo, J.E. Leach and M. Qhobela. 1992. Bacterial diseases of sorghum. p. 135-151 In W.A.J. deMilliano, R.A. Frederickson and G.D. Bengston, (eds.), Sorghum and Millet Diseases: a Second World Review, Patancheru, A.P. 502 324 India, ICRISAT.
- Collins, S.D., P.J. Mehta, W.L. Rooney, D.T. Rosenow, and G.N. Odvody. 2001. New Disease Resistant Converted Sorghum Lines. p. 85-86 in Proceedings of the 22nd Biennial Grain Sorghum Research and Utilization Conference. February 18-20, 2001, Nashville, TN.
- Collins, S.D., R.A. Frederiksen, G.N. Odvody, D.T. Rosenow and F.R. Miller. 1993. Disease Resistant Converted Sorghum Lines. p. 151-156. In Proc. 18th Bienn. Grain Sorg. Res. and Utilization Conf. Feb. 28-March 2, 1993. Lubbock, TX.

- Collins, S.D., R.A. Frederiksen and D.T. Rosenow. 1991. Progress of head smut resistant sorghum populations. p. 95-96. *In Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.*
- Collins, S.D., D.R. Pietsch and R.A. Frederiksen. 1991. Sorghum disease testing program in Texas. p. 95. *In Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.*
- Craig, J. and G.N. Odvody. 1992. Current status of sorghum downy mildew control. p. 213-217. *In Proc. Second Global Conference on Sorghum and Millet Diseases. March 7-11, 1988. Harare, Zimbabwe. ICRISAT. India.*
- Dahlberg, J.A. 2002. Rapid information dissemination on the world wide web. p. 305-308. *In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.*
- Dahlberg, J.A. 1999. Host plant resistance: Sorghum ergot. p. 149-157. *In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.*
- Dahlberg, J.A. 1999. The role of USDA in research on sorghum ergot. p. 180-181. *In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.*
- del Almeida Pinto, N.F.J., A. da Silva Ferreira and C.R. Casela. 1999. Chemical control of sugary disease of sorghum (*Claviceps africana*). p. 158-160. *In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.*
- de Milliano, W.A.J. 2002. Transition from the second to the third world review of sorghum and millet. p. 3-10. *In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.*
- deMilliano, W.A.J., R.A. Frederiksen and G.D. Bengston (eds.). 1992. Sorghum and Millets Diseases—A Second World Review. ICRISAT. India.
- Desjardins, A.E., R.D. Plattner and J.F. Leslie. 1993. Genetic analysis of fumonisin biosynthesis and virulence in *Gibberella fujikuroi* mating population A. p. 46. *Proc. VIIth International Fusarium Workshop.*
- Dolezal, W.E. 1999. United States private sector response. p. 76-78. *In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.*
- Duncan, R.R. and W.A.J. de Milliano. 1995. Plant Disease control in sorghum and pearl millet. p. 35-71. *In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.*
- El-Assiuty, E.M. and H.A. El-Shafey. 1995. Sorghum diseases in Egypt. p. 93-103. *In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.*
- Engell, K., B. orgensen, J.D. Moller, E. De Neergaard and E. Wester. 2002. Developmental Stages of Sorghum caryopses with emphasis on the aleurone transfer cell and placental sac. p. 255-258. *In J. Leslie*

- (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Esele, J.P. 2002. Sorghum and pearl millet diseases in the Horn of Africa. p. 383-388. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Esele, J.P. 2002. Diseases of finger millet. p. 21-26. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Esele, J.P. 1995. Grain mold and panicle diseases of sorghum and millet in Uganda. p. 117-125. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Frederickson, D.E. and G.N. Odvody. 2002. Survival of Inoculum of *Claviceps africana* in Zimbabwe: Potential sources of inoculum. p. 79-82. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Frederickson, D.E. 1999. The lifecycle, spread and survival of the sorghum ergot pathogens. p. 135-140. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Frederiksen, D., and G. Odvody. 1999. Survival of sorghum ergot, *Claviceps africana*. p. 54. *In* Proc. of the 21st Biennial Research and Utilization Conference. Tucson, AZ. Feb. 21-24, 1999.
- Frederiksen, R.A., and D.T. Rosenow. 2000. Breeding for disease resistance. p. 64-65. *In*: Compendium of Sorghum Diseases, Second Edition. APS Press. Ed. R.A. Frederiksen and G.N. Odvody. The American Phytopathological Society, St. Paul, Minnesota. 78 p.
- Frederiksen, R.A. and G. N. Odvody, Editors, Compendium of Sorghum Diseases, Second Edition. 2000. 78 p, APS Press, American Phytopathological Society, St Paul, MN, September 2000.
- Frederiksen, R.A. and J.M. Yohe. 1999. The role of the International Sorghum and Millet Collaborative Research Program on management of *Claviceps africana* in sorghum. p. 178-179. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Frederiksen, R.A. 1995. Contributions from international programs to pathology of sorghum. Proc. 19th Biennial Grain Sorg. Res. and Util. Conf. March 5-7, 1995. Lubbock, TX. 19:100.
- Frederiksen, R.A., M.D. Thomas, R. Bandyopadhyay, and L.K. Mughogho. 1995. Variable pathogens of sorghum. p. 11-23. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Frederiksen, R.A. 1993. New approaches for evaluation of host resistance to head smut. p. 147-148. *In* Proc. 18th Biennial Grain Sorg. Res. and Util. Conf. February 28-March 2, 1993. Lubbock, TX.
- Frederiksen, R.A. and R.R. Duncan. 1992. Sorghum diseases in North America. p. 85-88. *In* W.A.J. deMilliano, R.A. Frederiksen and G.D. Bengston (eds.). Sorghum and Millets Diseases- - A Second World Review. ICRISAT. India.

- Frederiksen, R.A. 1986. Ed. The Sorghum Disease Compendium. Amer. Phytopath. Soc. 82 p. St. Paul, MN.
- Gale, L.R. 2002. A population genetic approach to variation in *Colletotrichum graminicola*, the causal agent of sorghum anthracnose. p. 191-200. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Giorda, L.M. 2002. Sorghum diseases in Argentina. p. 389-392. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Giorda, L.M. 2002. Recommendations from the working group for the Americas at the Third Global Conference on Sorghum and Millets Diseases. p. 373-374. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Giorda, L.M., M.J. Martinez, M. Nassetta, and S. Palacios. 1999. Sorghum ergot in Argentina. p. 79-83. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Giorda, L.M. M.J. Martinez and S. Chulze. 1995. Fusarium stalk rot in Argentina. p. 137-145. In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Giorda, L.M., R.W. Toler and G.N. Odvody. 1992. Sorghum yellow banding virus, a new polyhedral virus on Sorghum spp. p. 290. In Proc. Second Global Conference on Sorghum and Millet Diseases. March 7-11, 1988. Harare, Zimbabwe. ICRISAT. India.
- Hassan, H.A.G., P.G. Mantle and N.W. McLaren. 1999. Putative control of ergot disease epidemics in hybrid sorghum production through the inhibition of secondary sporulation by *Claviceps africana*. p. 141-146. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Hernández-Martínez, L.E. Mendoza-Onofre, P. Ramírez-Vallejo, S. Osada-Kawasoe, E. Cárdenas-Soriano and F. Zavala-García. 2002. Response of sorghum B and R lines to ergot (*Claviceps africana*) at Celaya, Guanajuato, Mexico. p. 79-82. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Hess, D.E. 2002. Recommendations from the African working group at the Third Global Conference on Sorghum and Millets Diseases. p. 375-376. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Hess, D.E., R.P. Thakur, C.T. Hash, P. Sérémé, and C.W. Magill. 2002. Pearl millet downy mildew: Problems and control strategies for a new millennium. p. 37-42. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Indira, S., X. Xu, N. Iamsupasit, H.S. Shetty, N.S. Vasanthi, S.D. Singh and R. Bandyopadhyay. 2002. Diseases of sorghum and pearl millet in Asia. p. 393-402. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Indira, S. 2002. Recommendations from the working group for Asia/Australia at the Third Global Conference on Sorghum and Millets Diseases. p. 377-378. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.

- Isakeit, T., R. Bandyopadhyay, G.N. Odvody, J. Dahlberg, and J. Narro-Sanchez. 1999. Reaction of sorghum hybrids to ergot in South and Central Texas, Puerto Rico and Guanajuato, Mexico. p. 63. *In* Proceedings of the 21st Biennial Research and Utilization Conference, Tucson, AZ, Feb. 21-24, 1999.
- Jensen, S.G. and L.M. Giorda. 2002. Virus diseases of sorghum and millet in the Americas and Australia. p. 403-410. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Julian, A.M., B.J. Peacocke, C. Bock, R.J. Hillocks, P. Wareing, E.J.A. Blakemore, and J.A. Lane. 1995. Current NRI collaborative programs on sorghum pathogens in Africa. p. 291-305. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Kasakova, A.S. and A.A. Oleynick. 2002. The status of sorghum diseases in Russia. p. 411-414. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- King, S.B. and R.Thakur. 1995. Variable pathogens of millets. p. 25-34. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Kollo, I.A. 2002. Plant parasitic nematodes of sorghum and pearl millet: Emphasis on Africa. p. 259-266. Engell, K., B. orgensen, J.D. Moller, E. De Neergaard and E. Wester. 2002. Developmental Stages of Sorghum caryopses with emphasis on the aleurone transfer cell and placental sac. p. 255-258. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Komolong, B., S. Chakraborty, M.J. Ryley and D. Yates. 2002. Four genotypes of *Claviceps* spp. cause sorghum ergot in Australia. p. 87-90. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Kunene, I.S., G.N. Odvody and R.A. Frederiksen. 1991. Potential of the chytrid *Gaertneriomyces* sp. as a biological control agent of systemic sorghum downy mildew. p. 90-93. *In* Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.
- Lenné, J.M. and R. Ortiz. 2002. Agrobiodiversity in pest management. p. 309-320. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Leslie, J. F. *Molecular Fungal Genetics*; eds. R. P. Oliver & M. Schweizer; Cambridge University Press, New York, 377 pp. Reviewed in *Quarterly Review of Biology* 77(2002): 69-70.
- Leslie, J. F. & W. F. O. Marasas. 2002. Will the real *Fusarium moniliforme* please stand up! *In: Sorghum and Millets Diseases* (J. F. Leslie, ed.), pp. 201-209. Iowa State Press, Ames, Iowa.
- Leslie, J. F., ed. 2002. *Sorghum and Millets Diseases*. Iowa State Press, Ames, Iowa. 504 pp.
- Leslie, J.F. ed. 2002. Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.

- Leslie, J.F. and W.F.O. Marasas. 2002. Will the real “*Fusarium moniliforme*” please stand up. p. 201-210. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Leslie, J. F. 2001. Population genetic level problems in the *Gibberella fujikuroi* species complex. In.: *Fusarium: Paul E. Nelson Memorial Symposium* (B. A. Summerell, J. F. Leslie, D. Backhouse & W. L. Bryden, eds.), p. 113-121. APS Press, St. Paul, Minnesota. 392 p.
- Leslie, J. F. & W. F. O. Marasas. 2001. *Fusarium* in sorghum: Life in interesting times. p. 76-83. Proceedings of the 22nd Sorghum Improvement Conference of North America (Nashville, Tennessee),
- Leslie, J. F. 2000. *Fusarium* species associated with sorghum. In.: *Compendium of Sorghum Diseases* (R. A. Frederiksen and G. N. Odvody, eds.), p. 30-31. APS Press, St. Paul, Minnesota. 78 p
- Leslie, J. F. 2000. Storage molds and mycotoxicoses. In.: *Compendium of Sorghum Diseases* (R. A. Frederiksen and G. N. Odvody, eds.), p. 42-43. APS Press, St. Paul, Minnesota. 78 p.
- Leslie, J. F. *Structure and Dynamics of Fungal Populations*; ed. J. J. Worrall; Kluwer Academic Publishers, Norwell, Massachusetts, 348 p. Reviewed in *Mycopathologia* 147(2000): 169-170.
- Leslie, J.F. 1998. Genetics and significance of vegetative compatibility of phytopathogenic fungi. Proc. of the 6th International Mycology Congress (Jerusalem, Israel), p. 89.
- Leslie, J.F. 1998. Finding variation in agriculturally important toxigenic fungi. Proc. of the 1st COST Workshop on Agriculturally Important Toxigenic Fungi (Athens Greece), p. 8.
- Leslie, J.F. 1996. Introductory biology of *Fusarium moniliforme*. Pages 153-164 in *Fumonisin in Food* (L.S. Jackson, J.W. DeVries, and L.B. Bullerman, eds.) Plenum Press, New York.
- Leslie, J.F., and A.S.B. Mansuetus. 1995. Biological species and vegetative compatibility group as population descriptors in *Fusarium*. p. 277-288. In. J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Leslie, J.F. and R.A. Frederiksen, eds. 1995. *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, Iowa. 355 p.
- Leslie, J.F., and R.A. Frederiksen. 1995. Variable pathogens: a scenario. p. 3-8. In J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Leslie, J.F., and R.A. Frederiksen. 1995. Variable pathogens: the changing scenario. p. 341-344. In J.F. Leslie and R.A. Frederiksen (eds.) *Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops*. Iowa State University Press, Ames, IA.
- Leslie, J.F. 1994. Moderator's report -Ecology and genetics of the Chestnut Blight fungus. p. 171-172. Proc. International Chestnut Conference (Morgantown, West Virginia, 10-14 July 1992),
- Leslie, J.F. 1993. Some mechanisms maintaining genetic variability in fungal populations. p. 247-275. In: S.D. Lyda and C.M. Kenerley, (eds.) *A Phymatotrichum Centennial: Biology of Sclerotial-forming Fungi*. Texas Agricultural Experiment Station, College Station, Texas, 312 p.

- Leslie, J.F. 1993. Vegetative compatibility in *Fusarium moniliforme*. p. 49. Proc. VIIth International Fusarium Workshop.
- Leslie, J.F. 1993. Biological species within *Gibberella fujikuroi* (*Fusarium* section *Liseola*). p. 53. Proc. VIIth International Fusarium Workshop.
- Leslie, J.F. and R.D. Plattner. 1991. Fertility and fumonisin B₁ production by strains of *Fusarium moniliforme* (*Gibberella fujikuroi*). p. 80-84. Proc. 17th Sorghum Improvement Conference of North America (Lubbock, Texas).
- Leslie, J.F. 1990. Genetic exchange within sexual and asexual populations of *Fusarium*. p. 37-48. In: R.C. Ploetz, (ed.) *Fusarium Wilt of Banana* APS Press, St. Paul, Minnesota. 140 p.
- Logrieco, A., A. Bottalico and J.F. Leslie, eds. 1997. *Advances in the Biodiversity of Toxigenic Fusarium Species*. Verlag F. Berger, Horn, Austria. 228 p.
- Malaguti, G. 2002. Current status of sorghum diseases in Venezuela. p. 415-418. In J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Malaguti, G. and N. Pons. 1999. Ergot, honeydew or sugary disease of sorghum in Venezuela. p. 88-96. In Carlos Casela and Jeffery A. Dahlberg, (eds.) *Proceedings of Global Conference on Ergot of Sorghum*, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Mansuetus, A.S.B., G.N. Odvody, R.A. Frederiksen, J.F. Leslie and D.T. Rosenow. 1991. Investigation of the mating groups of *Fusarium* section *Liseola* on sorghum in Texas. p. 265. In Proc. International Sorghum and Millet CRSP Conference. INTSORMIL Pub. 92-1.
- Mansuetus, S.B.A., R.A. Frederiksen, R.D. Waniska, G.N. Odvody, J. Craig and D.T. Rosenow. 1990. Novel mechanisms of resistance to grain mold in sorghum. p. 44. In Proc. Second Annual Texas Plant Protection Conference, December 10-12, 1990. College Station, TX.
- Mantle, P.G. and A. Bogo. 2002. Biosynthesis of bioactive honeydew oligosaccharides by sorghum ergot pathogens. p. 91-94. In J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Mantle, P.G. 1999. Sorghum Ergot: An overview. p. 3-9. In Carlos Casela and Jeffery A. Dahlberg, (eds.) *Proceedings of Global Conference on Ergot of Sorghum*, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Marley, P.S., M. Diourté, A. Neya, S.K. Nutsugah, P. Sérémé, S.O. Katilé, D.E. Hess, D.F. Mbaye and Z. Ngoko. 2002. Sorghum and pearl millet diseases in west and central Africa. p. 419-426. In J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Mathur, K., R.P. Thakur, A. Neya, P.S. Marley and C.R. Casela. 2002. Sorghum anthracnose - Problem and management strategies. p. 211-220. In J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.

- McLaren, N.W., J. Saayman, J. Benade and M. van der Walt. 2002. Evaluation of reduced sorghum seed germination. p. 267-268. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- McLaren, N.W. 2002. Genotype \times Environment effects on the response of sorghum to ergot and repercussions for disease screening. p. 95-103. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- McLaren, N.W. 1999. Host \times Pathogen \times Environment interaction in sorghum ergot disease. p. 122-134. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Merkle, M.G. and D.T. Rosenow. 2000. Pesticide injury. p. 60. *In*: Compendium of Sorghum Diseases, Second Edition. APS Press. Ed. R.A. Frederiksen and G.N. Odvody. The American Phytopathological Society, St. Paul, Minnesota. 78 p.
- Montes, N., G.N. Odvody and M.M. Silva. 2002. Effect of cold degree units on incidence of *Claviceps africana* in sorghum hybrids. p. 103-104. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Montes, N., G.N. Odvody and H, Williams-Alanis. 2002. Advances in *Claviceps africana* chemical control. p. 105-110, *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Montes, N., G.N. Odvody and H, Williams-Alanis. 2002. Relationship between climatic variables and *Claviceps africana* incidence on sorghum hybrids in Northern Mexico. p. 111-112. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Moran, J.L., W.L. Rooney, R.A. Frederiksen and G.N. Odvody. 2002. Differences in ergot vulnerability among sorghum genotypes and the relationship between stigma receptivity and ergot vulnerability. p. 113-120. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Moran, J. and F. Gomez. 1999. Incidence of ergot in Honduras. p. 84-87. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Mtisi, E. and N.W. McLaren. 2002. Diseases of sorghum and pearl millet in some southern African countries. p. 427-430. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Mukuru, S.Z. 1999. The ergot disease of sorghum in Africa. p. 55-58. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Munkvold, G. P. and J.F. Leslie. 1999. Fusarium root rot diseases. *In*: *Compendium of Corn Diseases*, 2nd ed (D. White, ed.), p. 13. APS Press, St. Paul, Minnesota. 78 p.
- Muriithi, L.B., L.E. Claflin and B.A. Ramundo. 1995. Reaction of All Disease and Insect Nursery (ADIN) accessions to *Pseudomonas andropogonis*. Proc. 19th Grain Sorghum Res. and Util. Conf. 19:105-107.

- Naidoo, G. and J.H. Torres-Montalvo. 2002. Genetic variability among and within host-specialized isolates of *Sporisorium reilianum*. p. 221-226. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Narayana, Y.D., R. Bandyopadhyay, S.S. Navi and V. Muniyappa. 2002. Sorghum viruses in Asia and Africa. p. 431-440. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Narro-Sánchez, R. Paredes-Melesio, J. Á Quijano-Carranza, R. Velásquez-Valle and J.L. Maya-DeLeón. 2002. Sorghum ergot (*Claviceps africana*) in México. p. 121-123. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Nowell, D.C. and N.W. McLaren. 1999. Experiences with ergot in sorghum in Southern Africa. p. 36-40. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Nutsugah, S.K., V. Leth, I.D.K. Atokple and F.K. Tsigbey. 2002. Grain mold fungi from sorghum in Ghana. p. 227-228. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Nutsugah, S.K., I.D.K. Atokple and V.P. Rao. 2002. Identification of resistance to downy mildew and smut of pearl millet in Ghana. p. 43-46. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Odyssey, G.N. D.E. Frederickson, T. Isakeit, N. Montes, J.A. Dahlberg and G.L. Peterson. 2002. Quarantine issues arising from contamination of seed with ergot: An update. p. 123-128. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Odyssey, G.N., N. Montes, D.E. Frederickson and J. Narro-Sánchez. 2002. Detection of sclerotia of *Claviceps africana* in the Western Hemisphere. p. 129-130. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Odyssey, G.N. 2002. Recommendations from the ergot working group at the Third Global Conference on Sorghum and Millets Diseases. p. 73-74. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Odyssey, G.N. and T. Isakeit. 1999. Sorghum ergot in the United States — Public sector response. p. 68-75. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Odyssey, G.N., D.E. Frederickson, T. Isakeit, J.A. Dahlberg and G.L. Peterson. 1999. The role of seedborne inoculum in sorghum ergot. Proceedings of 3rd International Seed Testing Association-PDC, Seed Health Symposium, August 16-19, 1999. Ames, IA. p. 136-140.
- Odyssey, G.N., T. Isakeit, N. Montes, J. Narro-Sanchez, and H. Kaufman. 1999. Occurrence of Sorghum Ergot in Texas and Mexico in 1998. p. 62. In Proc. of the 21st Biennial Research and Utilization Conference. Tucson, AZ. Feb. 21-24, 1999.

- Odvodý, G.N. and R.A. Frederiksen. Ergot awareness. p. 166. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Odvodý, G. N. 1997. Spread and Importance of Sorghum Ergot in the Western Hemisphere, P. 64-71. *In* Proceedings of the Conference on Grain Sorghum for the 21st Century: Working Together as an Industry, November 19-20, 1997, Corpus Christi, TX.
- Odvodý, G.N. and R.W. Toler. 1993. Sorghum Yellow Banding Virus in South Texas. p. 144-146. *In* Proc. 18th Bienn. Grain Sorghum Research and Utilization Conf. Feb. 28-March 2, 1993. Lubbock, TX.
- Odvodý, G.N. 1992. Biotic and abiotic factors associated with seedling diseases of sorghum. p. 161-166. *In* Proc. Second Global Conference on Sorghum and Millet Diseases. March 7-11, 1988. Harare, Zimbabwe. ICRISAT. India.
- Odvodý, G.N. and P.R. Hepperly. 1992. Foliar diseases of sorghum. p. 167-177. *In* Proc. Second Global Conference on Sorghum and Millet Diseases. March 7-11, 1988. Harare, Zimbabwe. ICRISAT. India.
- Odvodý, G.N. and S.D. Livingston. 1991. Potential for Pre-Harvest Aflatoxin in Sorghum. p. 25 *In*. Proc. 3rd Annual Texas Plant Protection Conference. December 2-4, 1991. College Station, TX.
- Odvodý, G.N. and S.D. Livingston. 1991. Potential for preharvest occurrence of aflatoxin in sorghum. p. 88-89. *In* Proc. 17th Biennial Grain Sorghum Research and Utilization Conference. Feb. 17-20, 1991. Lubbock, TX.
- Omer, E.H. and R.A. Frederiksen. 1992. Sorghum smuts. p. 245-252. *In* W.A.J. deMilliano, R.A. Frederiksen and G.D. Bengston (eds.). Sorghum and Millets Diseases- -A Second World Review. ICRISAT. India.
- Ortíz-Pérez, E., F. Zavala-García, J.L. de La Garza, G.E. Salinas and N.E. García. 2002. Factors associated with ergot resistance in sorghum. p. 131-132. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Pacheco, T. 2002. Ergot and its impact on hybrid sorghum seed production in Venezuela. p. 133-134. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Pazoutová, S. 2002. The genus *Claviceps*: Evolution at work. p. 135-140. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Pazoutová, S. 1999. DNA comparisons and alkaloid toxicity of the ergot fungi: A contribution to ergot phylogeny. p. 111-121. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- PiZero, M.S. 1999. Cereal ergots in Uruguay. p. 97-100. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Porter, J. K., C. W. Bacon, W. P. Norred, E. M. Wray, G. A. Kulda, A. E. Glenn, & J. F. Leslie. 2002. Mycotoxins from fungal-infected sorghum: *Claviceps* vs. *Fusarium* and the *Striga* connection. *In*: *Sorghum and Millets Pathology 2000* (J. F. Leslie, ed.), pp. 229-235. Iowa State Press, Ames, Iowa.

- Porter, J.K., C.W. Bacon, W.P. Norred, E.M. Wray, G.A. Kuldau, A.E. Glenn and J.F. Leslie. 2002. Mycotoxins from fungal-infected sorghum: *Claviceps*, *Fusarium* and the *Striga* connection. p. 229-236. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Porter, J. K., C. W. Bacon, E. M. Wray, G. A. Kuldau and J. F. Leslie. 2000. Fusaric acid (FA), other alkylpyridinecarboxylic acids (APAs), and fumonisin (FB₁) by *Fusarium thapsinum* and *F. moniliforme*: GC/MS analysis, p. 41-47. In: *Mycotoxins and Phycotoxins in Perspective at the Turn of the Millennium* (W. J. de Koe, R. A. Samson, H. P. van Egmond, J. Gilbert, and M. Sabino, eds.). W. J. de Koe, Wageningen, The Netherlands.
- Qhobela, M., L.E. Claflin and D.C. Nowell. 1992. Comparison of techniques useful in the characterization of *Xanthomonas campestris* pv. *zear*, the causal agent of bacterial leaf streak of maize. p. 136-139. In H.O. Gevers, (ed.). Proc. 9th So. African Maize Breeding Symp., Tech. Comm. No. 232, Dept. Agric. Devel., Rep. So. Africa.
- Reis, E.M. and M.M. Casa Blum. 1999. Integrated management of sugary disease of sorghum — Practical aspects. p. 161-166. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Ribas, P.M. 1999. Strategies for the control of ergot in sorghum seed production in Brazil. p. 26-32. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Rodriguez-Ballesteros, O.R., A.S.B. Mansuetus, R.A. Frederiksen, G.N. Odvody, and D.T. Rosenow. 2002. Free and bound phenolic acids in mature sorghum caryopses as affected by inoculation with *Fusarium thapsinum*. p. 269-272. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Rooney, W.L., S.D. Collins, R.R. Klein, P.J. Mehta, R.A. Frederiksen and R. Rodriguez-Herrera. 2002. Breeding sorghum for resistance to anthracnose, grain mold, downy mildew and head smuts. p. 273-280. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Ryley, M.J., D.M. Persley, D.R. Jordan and R.G. Henzell. 2002. Status of sorghum and pearl millet diseases in Australia. p. 441-448. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Ryley, M.J., D.J. Herde, S.A. Bhuiyan, R.G. Henzell and D.R. Jordan. 2002. An overview of the biology of sorghum ergot. p. 141-150. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Ryley, M., B. Blaney and H. Meinke. 1999. Current and future research on sorghum ergot in Australia. p. 59-67. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Ryley, M. and Bob Henzell. 1999. Sorghum ergot in Australia. p. 182-190. In Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.

- Salleh, B., S. Nurduati, M.S. Sudjadi, N.C. Tangonan, and S. Chuenchit. 1995. Current status of sorghum cultivation and diseases in Southeast Asia. p. 105-115. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Sangitrao, C.S., S. Indira and R. Bandyopadhyay. 1999. Sorghum ergot in India. p. 41-54. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) Proceedings of Global Conference on Ergot of Sorghum, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Scheuring, J.F., S.O. Katile and I.A. Kollo. Boosting pearl millet yields with Apron Plus® and Apron Star® seed treatments. p. 47-50. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Stack, J.P. 2002. Recurring and emerging sorghum diseases in North America. p. 449-456. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Summerell, B.A., J.F. Leslie, D. Backhouse, W.L. Bryden and L.W. Burgess, eds. 2001. Fusarium: Paul E. Nelson Memorial Symposium. APS Press, St. Paul MN. 392 p.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, D.T. Rosenow and J.T. Cothren. 1991. Sugar partitioning and resistance to charcoal rot in sorghum. p. 265. *In* Proc. International Sorghum and Millet CRSP Conference. INTSORMIL Pub. 92-1.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, D.T. Rosenow and J.T. Cothren. 1991. Nonsenescence and resistance to charcoal rot in sorghum: Genetics and relationships to nonstructural carbohydrates. p. 28. *In* Proc. 17th Biennial Grain Sorg. Res. and Util. Conf. February 17-20, 1991. Lubbock, TX.
- Thakur, R.P., C.W. Magill, S. Sivaramakrishnan, C.T. Hash, H.S. Shetty, and D.E. Hess. 2002. Variability in *Sclerospora graminicola*, the pearl millet downy mildew pathogen. p. 51-56. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Thakur, R.P. and K.N. Rai. 2002. Pearl millet ergot research: Advances and implications. p. 57-64. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Thakur, R. P., R. A. Frederiksen, D. S. Murty, B.V.S. Reddy, R. Bandyopadhyay, L. M. Giorda, G. N. Odvody and L. E. Claflin. 1996. Breeding for disease resistance in sorghum. P. 303-315. *In* Rosenow et al (eds.). Proc. of International conference on Genetic Improvement of Sorghum and Pearl Millet, September 23-27, 1996, Lubbock, TX. University of Nebraska, Lincoln, NE 68583-0748. INTSORMIL. Publication 97-5.
- Thakur, R.P. 1995. Status of international sorghum anthracnose and pearl millet downy mildew virulence nurseries. p. 75-92. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.
- Thomas, M.D. 1995. Sorghum anthracnose research in West Africa: A look at the present and the future. p. 127-136. *In* J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.

- Thomas, M.D. and R.A. Frederiksen. 1995. Fertility tests on sorghum isolates of *Colletotrichum graminicola* from western Africa. *International Sorghum and Millets Newsletter* 36:79.
- Tooley, P.W. and N.R. O'Neill. 2002. Intra-specific variation in *Claviceps africana*. p. 151-156. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Torres-Montalvo, J.H. and N. Montes-Garcia. 1999. Sorghum ergot in Mexico. p. 101-108. *In* Carlos Casela and Jeffery A. Dahlberg, (eds.) *Proceedings of Global Conference on Ergot of Sorghum*, June 1-8, 1997, EMBRAPA, Sete Lagoas, Brazil. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 99-1.
- Tuinstra, M.R., T.T. Teferra, L.E. Claflin, R.G. Henzell, A. Borrell, N. Seetharama, G. Ejeta and D.T. Rosenow. 2002. Breeding for resistance to root and stalk rots in sorghum. p. 281-286. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Tuinstra, M. R., T. Teferra, L. E. Claflin, R. G. Henzell, A. Borrell, N. Seetharma, G. Ejeta and D. T. Rosenow. 2001. Root and Stalk Rot Resistance in Sorghum. *Proc. 22nd Biennial Grain Sorghum Research Utilization Conference*. Nashville, TN, Feb 18-20, 2001. Pgs 32-34.
- Velasquez-Valle, R., G. N. Odvody, H. Torres-Montalvo, R. A. Frederiksen, and T. Isakeit. 1997. Sorghum Ergot in the U.S. and Mexico p. 6. *In* *Proceedings of the 9th Annual Texas Plant Protection Conference*, December 9-10, 1997, College Station, TX.
- Wall, G.C., R.A. Frederiksen, J. Craig and M.J. Jeger. 1992. Epidemiology of sorghum diseases in Central America: A case study. p. 303-317. *In* W.A.J. deMilliano, R.A. Frederiksen and G.D. Bengston (eds.). *Sorghum and Millets Diseases - -A Second World Review*. ICRISAT. India.
- Wall, G.C. and D.H. Meckenstock. 1992. Sorghum diseases in Central America and the Caribbean Basin. p. 67-73. *In* *Sorghum and Millets Diseases: A Second World Review*. W.A.J. deMilliano, R.A. Frederiksen and G.D. Bengston (eds.). ICRISAT. Patancheru, India.
- Waniska, R.D. and Lloyd W. Rooney. 2002. Sorghum grain quality for increased utilization. *In* J.F. Leslie (Ed.) *Sorghum and Millet Diseases*, Iowa State Press. Pp. 327-335.
- Waniska, Ralph D., R.T. Venkatesha, A. Chandrashekar, S. Krishnaveni, F.P. Bejosano, Jeoung Jeoung-Mee, Jayaraj Jayaraman, Subbaratnam Muthukrishnan, and George H. Liang. 2002. Antifungal proteins and other mechanisms in the control of sorghum stalk rot and grain mold. *In* J.F. Leslie (Ed.) *Sorghum and Millet Diseases*, Iowa State Press. Pp. 287-297.
- Waniska, R.D., G.A. Forbes, R. Bandyopadhyay, R.A. Frederiksen and L.W. Rooney. 1992. Cereal chemistry and grain mold resistance. p. 265-272. *In* W.A.J. deMilliano, R.A. Frederiksen and G.D. Bengston (eds.). *Sorghum and Millets Diseases: A Second World Review*. ICRISAT. Patancheru, India.
- Williams-Alanis, H. 2002. Sorghum and millet diseases in Mexico. p. 457-464. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Wilson, J.P. 2002. Diseases of pearl millet in the Americas. p. 465-470. *In* J. Leslie (Ed.). *Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III*, Sept. 24-29-2000. Iowa State University Press, Ames, IA.

- Wilson, J.P. and R.N. Gates. 2002. The dynamic multi-line population: An alternative approach to durable resistance. p. 65-70. In J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Woudt, L.P., A. Sikkema, J.F. Leslie, A. Neuvel, M. deLange, W.A.J. de Milliano and M.Q.J.M. van Grinsven. 1993. Identification of isolates of *Fusarium oxysporum* f. sp. *cyclamenis* by DNA-fingerprinting, vegetative compatibility, and PCR. p. 43. Proc. 6th International Cong. Plant Path.
- Xu, X., L.E. Claflin, B.A. Ramundo, and R.A. Frederiksen. 1995. Evaluation of All Disease and Insect Nursery sorghum germplasm to various diseases in China. Proc. 19th Bien. Grain Sorghum Res. and Util. Conf. 19:108-109.
- Yohe, J.M., and R.A. Frederiksen. 1995. Developing interdisciplinary research in a collaborative context. p. 307-319. In J.F. Leslie and R.A. Frederiksen (eds.) Disease Analysis through Genetics and Biotechnology: Interdisciplinary Bridges to Improved Sorghum and Millet Crops. Iowa State University Press, Ames, IA.

Dissertation and Theses

M.S. Degrees

- Abid, H.S. 1984. Starch gel electrophoretic classification of biotypes and field populations of greenbugs, *Schizaphis graminum*. M.S. thesis. University of Nebraska, Lincoln, NE.
- Alfredo, Manuel M. 1993. The main pathogens found in sorghum seeds in different sowing and harvesting times. M.S. thesis. University Federal de Vicosa, Minas Gerais, Brazil.
- Diourte, M. 1987. Pathogenic variation and morphological studies of *Macrophomina phaseolina*. M.S. thesis. Texas A&M University, College Station, TX.
- Forbes, G. 1984. Seedling disease of sorghum (*Sorghum bicolor* (L.) Moench): epidemiology, etiology and resistance. M.S. thesis. Texas A&M University, College Station, TX.
- Mahuku, George S. 1991. The effect of airgun inoculations on selection for levels of MDMV resistance in breeding populations. M.S. thesis. Texas A&M University, College Station, TX.
- Mansuetus, Anaclat S.B. 1990. The effect of glume and caryopses characteristics of sorghum (*Sorghum bicolor* (L.) Moench) on infection by *Fusarium moniliforme* Sheldon. M.S. thesis. Texas A&M University, College Station, TX.
- Motalaote, B. 1985. Pathogenicity of the lesion nematodes on sorghum. M.S. thesis. Texas A&M University, Texas A&M University, College Station, TX.
- Mtwaenzi, Hamis. 1993. The effectiveness of seed storage safeners on grain sorghum. M.S. thesis. Mississippi State University, Mississippi State, MS.
- Narvaez-Corrales, Dario F. (Colombia). November, 1997. Use of DNA probes for detecting *Xanthomonas campestris* pv. *holcicola*, causal agent of bacterial leaf streak, in grain sorghum (*Sorghum bicolor*). M.S. thesis. Kansas State University, Manhattan.
- Nzioki, Henry S. (Kenya). December, 1997. Inheritance of resistance, epidemiology, and development of isoenzyme and random amplified polymorphic DNA (RAPD) techniques for *Sporisorium sorghi*. M.S. thesis. Kansas State University, Manhattan.

- Ogbonnaya, C.A. 1985. Influence of biotype E greenbugs on biochemical properties of sorghum. M.S. thesis. University of Nebraska. Lincoln, NE.
- Sifuentes, J.A.B. 1985. Inheritance of resistance to pathotypes 1, 2, and 3 of *Peronosclerospora sorghi* in *Sorghum bicolor*. M.S. thesis. Texas A&M University, College Station, TX.
- Zvoutete, Peter. 1991. Determining the seed borne facet of bacterial stripe and bacterial streak diseases of pearl millet. M.S. thesis. Kansas State University, Manhattan, KS.

Ph.D. Degrees

- Casela, C.R. 1992. Investigations on the variability of the sorghum anthracnose fungus *Colletotrichum graminicola*. Ph.D. diss. Texas A&M University, College Station, TX.
- Cardwell, K.F. 1989. Variation in virulence of *Colletotrichum graminicola* (Ces.) Wils. and competition between monoconidial isolates. Ph.D. diss. Texas A&M University, College Station, TX.
- Diourte, Mamarou (Mali). August, 1997. Etiology and epidemiology of Pokka Boeng disease of grain sorghum [*Sorghum bicolor* (L.) Moench] in Kansas. Ph.D. diss. Kansas State University, Manhattan. 122 p.
- Esele, J.P. 1991. The genetics of grain mold resistance in sorghum [*Sorghum bicolor* (L.) Moench]. Ph.D. diss. Texas A&M University, College Station, TX.
- Forbes, G. 1986. Characterization of grain mold resistance in *Sorghum bicolor* (L.) Moench. Ph.D. diss. Texas A&M University, College Station, TX.
- Franklin, C.D. 1985. Zonate leaf spot of *Sorghum bicolor* (L.) Moench, resistance screening and factors influencing *Gloeocercospora sorghi* propagule germination. Ph.D. diss. Texas A&M University, College Station, TX.
- Guthrie, P.A.I. 1993. RAPD markers as a system for differentiating among isolates of the anthracnose fungus *Colletotrichum graminicola*. Ph.D. diss. Texas A&M University, College Station, TX.
- Kedera, C.J. 1994. Tracking and identification of genetic diversity within populations of *Fusarium* section *Liseola* from maize. Ph.D. diss. Kansas State University, Manhattan, KS.
- Kubicek, Q.B. 1986. Isozyme analysis of *Sporisorium reilianum* populations from sorghum fields in Texas. Ph.D. diss. Texas A&M University, College Station, TX.
- Kunene, I.S. 1991. *Gaertneriomyces* species as a potential biological control agent of sorghum downy mildew. Ph.D. diss. Texas A&M University, College Station, TX.
- Lu, Ming (PRC). October, 1997. Diversity, pathogenicity and potential plant growth ability of *Gibberella fujikuroi* in maize and sorghum. Ph.D. diss. Kansas State University, Manhattan. 107 p.
- Mahuku, George S. 1994. The development and use of polymerase chain reaction-based assays to detect and quantify the fungus *Leptosphaeria maculans*, cause of blackleg of crucifers, in seedlots of oilseed rape. Ph.D. diss. University of Guelph, Guelph Ontario, Canada.

- Mansuetus, A.S.B. 1993. Mating Populations and Vegetative Compatibility Groups Within *Gibberella fujikuroi* (*Fusarium* Section *Liseola*) on Sorghum in Tanzania. Ph.D. diss. Texas A&M University, College Station, TX.
- Muriithi, L. B. (Kenya). April, 1997. Epidemiology of *Pseudomonas andropogonis*, causal agent of bacterial leaf stripe of grain sorghum. Ph.D. diss. Kansas State University, Manhattan. 97 p.
- Naidoo, G. 1992. Identification and differentiation of host-specialized isolates of *Sporisorium reilianum* using molecular markers. Ph.D. diss. Texas A&M University, College Station, TX.
- Qhobela, Molapo. 1990. Characterization of *Xanthomonas campestris* pathovars affecting millet, sorghum and sugar cane. Ph.D. diss. Kansas State University, Manhattan, KS.
- Pawar, M.N. 1986. Pathogenic variability and sexuality in *Peronosclerospora sorghi*, and comparative nuclear cytology of *Peronosclerospora* species. Ph.D. diss. Texas A&M University, College Station, TX.
- Rosewich, U.L. May 1996. The population genetics of *Colletotrichum graminicola* from different ecosystems of sorghum. Ph.D. diss. Texas A&M University, College Station, TX.
- Schuh, Wolf. 1986. Epidemiological aspects of sorghum downy mildew caused by *Peronosclerospora sorghi*. Ph.D. diss. Texas A&M University, College Station, TX.
- Sifuentes, J.A. 1989. Evaluation of sorghum genotype mixtures in controlling sorghum leaf blight. Ph.D. diss. Texas A&M University, College Station, TX.
- Theu, Matthew P. 1991. Host resistance in grain sorghum to sorghum yellow banding virus. Ph.D. diss. Texas A&M University, College Station, TX.
- Wall, G.C. 1986. A study of sorghum diseases in Honduras, their importance under different cropping systems, and strategies for their control. Ph.D. diss. Texas A&M University, College Station, TX.
- Yao, Chenglin. 1991. Classification and detection of *Peronosclerospora* species on the basis of DNA southern hybridization and the polymerase chain reaction. Ph.D. diss. Texas A&M University, College Station, TX.

Miscellaneous Publications

- Alderman, S., D. Frederickson, G. Milbrath, N. Montes, J. Narro-Sanchez, and G. Odvody. 1999. A Laboratory Guide to the Identification of *Claviceps purpurea* and *Claviceps africana* in Grass and Sorghum Seed Samples. 18 p., April 19, 1999. Oregon Department of Agriculture.
- Casela, C., P. Guthrie, R.A. Frederiksen and U. Rosewich. 1992. Anthracnose in the 1990's. Sorghum Newsletter 33:21-21.
- Clafin, L.E., and B.A. Ramundo. 1999. Overwintering survival of *Claviceps africana*, causal agent of ego disease of grain sorghum. Phytopathology S16.
- Clafin, L.E. 1999. Procaryotic and late wilt diseases of maize. Compendium of Corn Diseases, 3rd ed. D.G. White, editor. APS Press, St. Paul, MN. pp 3-9: 43-44.

- Collins, S.D., C.R. Casela and R.A. Frederiksen. 1992. *Colletotrichum graminicola microsclerotia* on sorghum debris as an over-wintering inoculum source. Sorghum Newsletter 33:25.
- Correll, J.C. and J.F. Leslie. 1987. Genetic diversity in the Panama Disease pathogen *Fusarium oxysporum* f. sp. cubense as determined by vegetative compatibility. Mycological Society of America Newsletter 38(1):22.
- deMilliano, W.A.J., G.N. Odvody, L. Mughogho and G. Kaula. 1991. Possible differences in sorghum downy mildew pathotypes between Southern Africa and the Americas and between sites in Southern Africa. Sorghum Newsletter 32:37.
- deMilliano, W.A.J., G.N. Odvody, G.M. Kaula, E. Mtisi, A.M. Mbwaga, and B. Motalaote. 1990. Foliar disease resistance of improved local sorghum and USA-introduced germplasm in Southern Africa. Sorghum Newsletter 31:92.
- DuTeau, N.M. and J.F. Leslie. 1991 RAPD markers for *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 38:37.
- DuTeau, N.M. and J.F. Leslie. 1991. A simple, rapid procedure for the isolation of DNA for PCR from *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 38:72.
- Frederickson, D., G. Odvody, and N. Montes. 1999. El ergot del sorgo, diferenciación de los esclerocios y los esclerocios de *Claviceps africana* en la semilla. L-5315S, 7-99 5 p. Texas Agric. Ext. Svce.
- Frederickson, D. and G. Odvody. 1999. Sorghum Ergot, Distinguishing *Sphacelia* and *Sclerotia* of *Claviceps africana* in Seed. L-5315, 6-99, 5 p. Texas Agric. Ext. Serv.
- Horne, C.W., R.F. Frederiksen, R.W. Toler and J.D. Trampota. 1991. Reaction of commercial corn and sorghum hybrids to certain plant pathogens. Tex. Agri. Ext. Ser. B-1696.
- Howlett, B.J., J.F. Leslie and D.D. Perkins. 1993. Putative multiple alleles at the vegetative (heterokaryon) incompatibility loci *het-c* and *het-8* in *Neurospora crassa*. Fungal Genetics Newsletter 40:40-42.
- Kollo, Issoufou A., and R.A. Frederiksen. 1998. Effect of Sowing Dates on the Incidence of Long Smut (*Tolyposporium ehrenbergii*) on Sorghum. International Sorghum and Millets Newsletter 39:107-109.
- Krausz, J.P., S.D. Collins, R.A. Frederiksen, R.R. Duncan, H.W. Kaufman and G.N. Odvody. 1995. Disease response of grain sorghum hybrids. Texas Agricultural Extension Service B-6004, 7 p.
- Kunene, I.S., G.N. Odvody and R.A. Frederiksen. 1990. *Gaertneriomyces* sp. as a potential biological control agent of systemic downy mildew infection of sorghum. Sorghum Newsletter 31:82.
- Leslie, J.F., S. Shaw and V.E. Elliott. 1991. Geographic distribution of mating populations from *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 38:37.
- Leslie, J.F., C.J.R. Klittich and C. Chaisrisook. 1990. Fertility of isolates from *Fusarium* section *Liseola*. Mycological Society of America Newsletter. 41(1):24.
- Leslie, J.F. 1987. Heterokaryon incompatibility haplotypes on linkage group VIL of *Neurospora crassa*. Mycological Society of America Newsletter 38(1):35.

- Mansuetus, S.B.A., R.A. Frederiksen, R.D. Waniska, G.N. Odvody, J. Craig and D.T. Rosenow. 1990. The effects of glume and caryopses characteristics of sorghum on infection by *Fusarium moniliforme* Sheldon. Sorghum Newsletter 31:100.
- Narvaez, D.F., L.E. Claflin, and B.A. Ramundo. 1998. Diagnosis and genetic variability of *Xanthomonas campestris* pv. *holcicola* determined with DNA probes. Phytopathology S71.
- Nelson, P.E., G.N. Odvody, W.A.J. deMilliano, G. Kaula and B. Motalaote. 1991. Fusarium on sorghum and pearl millet grain in Botswana, Zambia, and Zimbabwe. Sorghum Newsletter 32:42.
- Odvody, G., R. Bandyopadhyay, R. Frederiksen, T. Isakeit, D. Frederickson, H. Kaufman, J. Dahlberg, R. Velasquez, and H. Torres. 1998. Sorghum ergot goes global in less than three years. APSNET feature article for June 1998 published online at <http://www.scisoc.org/feature/ergot/top.html>.
- Palma, A., F.R. Miller and R.A. Frederiksen. 1993. Pathogenic variability of the sorghum head smut pathogen. Sorghum Newsletter 34:19.
- Perkins, D.D., J.F. Leslie and D.J. Jacobson. 1993. Strains for identifying and studying individual vegetative (heterokaryon) incompatibility loci in *Neurospora crassa*. Fungal Genetics Newsletter 40:69-73.
- Ramundo, B.A., M.R. Tuinstra, and L.E. Claflin. 1999. Genetic variability of various plant hosts to *claviceps africana*. Phytopathology S. 64.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen and D.T. Rosenow. 1992. Nonsenscence and charcoal rot resistance in sorghum: linkage but not pleiotropy. Sorghum Newsletter 33:32.
- Tenkouano, A., F.R. Miller, R.A. Frederiksen, D.T. Rosenow and J.T. Cothren. 1992. Nonstructural carbohydrates and charcoal rot resistance in sorghum. Sorghum Newsletter 33:33-34.
- Toler, R.W., M.P.K. Theu, G. Odvody and F.R. Miller. 1990. Effect of sorghum yellow banding virus on sorghum x sudangrass hybrids and sudangrass cultivars. TAES MP-1714. 4 p.
- Torres-Montalvo, H., B.A. McDonald, C.W. Magill, and R.A. Frederiksen. Structure of *Sporisorium reliianum* Populations from Mexico, USA, and Niger. International Sorghum and Millets Newsletter 39:110-113.
- Xu, J.-R., and J.F. Leslie. 1996. Strain genotypes of *Gibberella fujikuroi* mating population A (*Fusarium moniliforme*) mapping population. Fungal Genetics Newsletter 43:61-65.
- Xu, J.-R. and J.F. Leslie. 1993. A computer program for constructing classical genetic linkage maps in haploid fungi. Fungal Genetics Newsletter 40:80-82.
- Zeller, K.A., J.E. Jurgenson and J.F. Leslie. 1999. AFLP markers reveal genetic variation in Egyptian populations of *Cephalosporium madis*. Fungal Genetics Newsletter 46 (Supplement): 94
- Zeller, K.A., J.E. Jurgenson and J.F. Leslie. 1999. Mapping vegetative incompatibility (*vic*) loci in *Gibberella fujikuroi* (*Fusarium moniliforme*). Fungal Genetics Newsletter 46 (Supplement): 94
- Zeller, K.A., J.E. Jurgenson, J.F. Lelie, E.M. El-Assiuty and H.A. El-Shafey. 1998. Genetic variation in *Cephalosporium maydis* from Egypt. Phytopathology 88:S103.

Abstracts

- Arjula, V., and J.F. Leslie. 1996. Construction of "near-isogenic" lines in *Fusarium moniliforme* (*Gibberella fujikuroi* mating population A). *Phytopathology* 86:S103
- Bowden, R. L., J. E. Jurgenson, J.-K. Lee, Y.-W. Lee, S. H. Yun, K. A. Zeller, and J. F. Leslie. 2003. A second generation genetic map of *Gibberella zeae*. *Fungal Genetics Newsletter* 50(Suppl.): 102.
- Bowden, R.L. and J.F. Leslie. 1993. A method for crossing *Gibberella zeae*. Proc. VIIth International Fusarium Workshop, p. 45.
- Bowden, R.L. and J.F. Leslie. 1992. Evidence for outcrossing in *Gibberella zeae* (*Fusarium graminearum*). *Phytopathology* 82:1065.
- Bowden, R.L. and J.F. Leslie. 1991. Vegetative compatibility groups in *Fusarium graminearum* from wheat scab. *Phytopathology* 81:1168.
- Brooker, N.L., J.F. Leslie and M.B. Dickman. 1990. Nitrate nonutilizing mutants of *Colletotrichum*. *Phytopathology* 80:1057.
- Campbell, C.L. and J.F. Leslie. 1993. Genetic diversity in *Fusarium moniliforme* recovered from maize seed at 12 locations. Proc. 6th Internat. Cong. Plant Path. p. 68.
- Campbell, C.L., J.F. Leslie and R. Farrokhi-Nejad. 1992. Genetic diversity of *Fusarium moniliforme* in seed from two maize cultivars. *Phytopathology* 82:1082.
- Casela, C.R., P.A.I. Guthrie, U.L. Rosewich and R.A. Frederiksen. 1993. Variability in *Colletotrichum graminicola*, causal agent of sorghum anthracnose. Second Intl. Colletotrichum Workshop, July 25-28. Lake Placid, New York.
- Casela, C.R. and R.A. Frederiksen. 1991. Dilatory resistance to *Colletotrichum graminicola* and latent period of anthracnose on sorghum genotypes. Academic Publishers, Dordrecht, the Netherlands and Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 273.
- Casela, C.R., A.S. Ferreira, R.A. Frederiksen and R.R. Duncan. 1990. Reaction of selected sorghum lines to anthracnose in Brazil. *Agron. Abst.* p. 178.
- Casela, C.R. and R.A. Frederiksen. 1990. Survival of sclerotia of *Colletotrichum graminicola* in sorghum stalks. *Agron. Abst.* p. 130.
- Chaisrisook, C. and J.F. Leslie. 1990. Genetic diversity within populations of *Fusarium* section *Liseola* from corn and sorghum in Kansas. *Phytopathology* 80:1042.
- Correll, J.C. and J.F. Leslie. 1987. Recovery of spontaneous selenate resistant mutants from *Fusarium oxysporum* and *Fusarium moniliforme*. *Phytopathology* 77:1710.
- Cui, Y., C. Magill, J. Magill, and R. Frederiksen. 1995. Cloning and mapping of chalcone synthase and phenylalanine ammonia-lyase genes in sorghum. *Phytopathology* 85:1160.
- Darnetty, J.F. Leslie and S. Muthukrishnan. 1990. Antifungal activities from the grains of corn, sorghum and wheat. *Phytopathology* 80:1055.

- Desjardins, A.E., R.D. Plattner and J.F. Leslie. 1993. Genetic analysis of fumonisin biosynthesis and virulence in *Gibberella fujikuroi* mating population A. Proc. VIIIth International Fusarium Workshop, p. 46.
- Desjardins, A.E., R.D. Plattner, J.F. Leslie and P.E. Nelson. 1991. Genetic analysis of fumonisin biosynthesis in *Fusarium moniliforme* mating population A. Phytopathology 81:1224.
- Dickman, M.B. and J.F. Leslie. 1989. The *nit-2* gene of *Neurospora crassa* has DNA homologues in other filamentous ascomycetes. Fungal Genetics Newsletter 36:7
- Dickman, M.B. and J.F. Leslie. 1989. Regulation of nitrogen metabolism in *Fusarium* by a homologous *Neurospora* gene. Phytopathology 79:1172.
- Diourte, M., L. E. Claflin, and B. A. Ramundo. 1997. Infection and colonization of sorghum plants by two *Fusarium* species involved in the etiology of Pokka Boeng. Phytopathology 87:S24.
- Diourte, M., and L. E. Claflin. 1997. Characterization of *Fusarium* isolates from Kansas and Mali. Phytopathology 87:S24.
- DuTeau, N.M. and J.F. Leslie. 1991. RAPD Markers for *Gibberella fujikuroi* (*Fusarium* section *Liseola*). p. 273. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- DuTeau, N.M. and J.F. Leslie. 1991. RAPD Markers for *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 38:37.
- El-Assiuty, E. M., A. M. Ismael, K. A. Zeller and J. F. Leslie. 1999. Relative colonization ability of greenhouse-grown maize by four lineages of *Cephalosporium maydis*. *Phytopathology* 89: s23.
- Farrokhi-Nejad, R. and J.F. Leslie. 1990. Vegetative compatibility group diversity within populations of *Fusarium moniliforme* isolated from corn seed. Phytopathology 80:1043.
- Jardine, D.J. and J.F. Leslie. 1997. Aggressiveness to mature maize plants of *Fusarium* strains differing in the ability to produce fumonisins. Phytopathology 87:S5.
- Huss, M.J. and J.F. Leslie. 1993. A novel technique for the selection of "near-isogenic" lines using vegetative compatibility differences. Fungal Genetics Newsletter 40A:26
- Huss, M.J. and J.F. Leslie. 1993. Isozyme variation among six different biological species within the *Gibberella fujikuroi* species complex (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 40A:26.
- Jardine, D.J. and J.F. Leslie. 1997. Aggressiveness to mature maize plants of *Fusarium* strains differing in the ability to produce fumonisins. Phytopathology 87: s5.
- Jardine, D.J. and J.F. Leslie. 1991. Aggressiveness of isolates of *Gibberella fujikuroi*, mating population "F", on grain sorghum. Phytopathology 81:1236.
- Jardine, D.J. and J.F. Leslie. 1991. Aggressiveness of isolates of *Gibberella fujikuroi*, (*Fusarium* Section *Liseola* on Grain Sorghum. p. 274. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Jensen, S.G., P. Lambrecht, G.N. Odvody and A.K. Vidaver. 1991. A leaf spot of pearl millet caused by *Pseudomonas syringae*. Phytopathology 71:1193.

- Jeon, J.-J., H. Kim, H.-S. Kim, K. A. Zeller, T. Lee, S.-H. Yun, R. L. Bowden, J. F. Leslie, and Y.-W. Lee. 2003. Genetic diversity of *Fusarium graminearum* from maize in Korea. *Fungal Genetics Newsletter* 50(Suppl.): 142.
- Kedera, C.J., J.F. Leslie and L.E. Claflin. 1992. Systemic infection of corn by *Fusarium moniliforme*. *Phytopathology* 82:1138.
- Kerenyi, Z., J.F. Leslie and L. Hornok. 1998. A PCR-based method for the detection of isolates with a common mating type in seven mating populations of *Gibberella fujikuroi*. *Proceedings of the Annual Meeting of the Hungarian Society for Microbiology (Miskolc)*: p. 65.
- Klein, K.K., J.F. Leslie, and B. Salleh. 1995. Distribution of *Gibberella fujikuroi* by biological species, mating type, and female fertility in a Malaysian maize field. *Fungal Genetics Newsletter* 42A:71.
- Klittich, C.J.R. and J.F. Leslie. 1988. Unusual isolates of *Fusarium moniliforme* from sorghum in Kansas. *Phytopathology* 78:1519.
- Klittich, C.J.R., J.F. Leslie and J.D. Wilson. 1986. Spontaneous chlorate resistant mutants of *Gibberella fujikuroi* (*Fusarium moniliforme*). *Phytopathology* 76:1142.
- Kunene, I.S., G.N. Odvody and R.A. Frederiksen. 1991. Mechanism of parasitism and identity of the chytrid used for biological control of systemic sorghum downy mildew. p. 275. *In Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.*
- Kunene, G.N. Odvody and R.A. Frederiksen. 1991. Environmental Conditions Affecting the Efficacy of *Gaertneriomyces* spp. as a Biocontrol Agent of Sorghum Downy Mildew. p. 275. *Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.*
- Kunene, I.S., G.N. Odvody and R.A. Frederiksen. 1990. *Gaertneriomyces* sp. as a potential biological control agent of systemic downy mildew infection of *Sorghum bicolor*. *Phytopathology* 80:1048.
- Kunene, I.S., G.N. Odvody and R.A. Frederiksen. 1991. Environmental conditions affecting the efficacy of *Gaertneriomyces* spp. as a biological control agent of systemic sorghum downy mildew. p. 275. *In Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.*
- Landivar, J.A., D.J. Lawlor, D.T. Gardiner, J.H. Benedict, G. Odvody and B.R. Eddleman. 1991. The effects of tillage on soil water storage and productivity of corn, cotton, and sorghum crops. *Agronomy Abstracts, 1991; Southern Branch Abstracts:8.*
- Leslie, J. F., K. A. Zeller, A. Logrieco & A. Moretti. 2001. Species diversity and genetic variation among *Fusarium* isolated from prairie grasses. *Phytopathology* 91: s54.
- Leslie, J.F. 1998. Genetics and significance of vegetative compatibility of phytopathogenic fungi. *Proceedings of the 6th International Mycology Congress (Jerusalem, Israel)*: p. 89.
- Leslie, J.F. 1998. Finding variation in agriculturally important toxigenic fungi. *Proceedings of the 1st COST Workshop on Agriculturally Important Toxigenic Fungi (Athens, Greece)*: p. 8.
- Leslie, J.F., and K.K. Klein. 1996. Hermaphrodite frequency and the frequency of sexual reproduction in fungal populations. *Inoculum* 47(3):18.
- Leslie, J.F., and K.K. Klein. 1995. Motherhood and the price of sex. *Fungal Genetics Newsletter* 42A:71.

- Leslie, J.F. and C.T. Yamashiro. 1993. The *het-8* locus of *Neurospora crassa*. Fungal Genetics Newsletter 40A:26.
- Leslie, J.F. 1993. Vegetative compatibility in *Fusarium moniliforme*. Proc. VIIth International Fusarium Workshop, p. 49.
- Leslie, J.F. 1993. Biological species within *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Proc. VIIIth International Fusarium Workshop, p. 53.
- Leslie, J.F. 1991. Collecting free spores for genetic analysis without violating independence assumptions. Fungal Genetics Newsletter 38:52
- Leslie, J.F., S. Shaw and V.E. Elliott. 1991. Geographic distribution of mating populations from *Gibberella fujikuroi* (*Fusarium* section *Liseola*). Fungal Genetics Newsletter 38:37.
- Leslie, J.F., S. Shaw and V. Elliott. 1991. Geographic Distribution of Mating Populations from *Gibberella fujikuroi* (*Fusarium* section *Liseola*). p. 275. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Leslie, J.F., C.J.R. Klittich and C. Chaisrisook. 1990. Fertility of isolates belonging to *Fusarium* section *Liseola* from corn and sorghum. Phytopathology 80:963.
- Leslie, J.F., C.J.R. Klittich and C. Chaisrisook. 1990. Fertility of isolates from *Fusarium* section *Liseola*. Mycological Society of America Newsletter 41(1):24.
- Leslie, J.F., C.J.R. Klittich and J.C. Correll. 1988. Genetic exchange between natural isolates of *Fusarium*. Mycological Society of America Newsletter 39(1):36.
- Leslie, J.F., F. Hwang and F.J. Doe. 1986. Homothallic and heterothallic isolates of *Fusarium subglutinans*. Phytopathology 76:1142
- Leslie, J.F. 1984. A novel method for generating partial genomic duplications. Neurospora Newsletter 31:15.
- Mansuetus, S.B.A., R.A. Frederiksen, R.D. Waniska, G.N. Odvody, J. Craig and D.T. Rosenow. 1991. Investigation of the mating groups of *Fusarium* section *Liseola* on sorghum in Texas. p. 275. In Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Mansuetus, S.B.A., R.A. Frederiksen, R.D. Waniska and G.N. Odvody. 1990. Effect of grain characteristics of sorghum on infection by grain mold. Agron. Abst. p. 43.
- Mansuetus, S.B., R.A. Frederiksen, R.D. Waniska, G.N. Odvody and J. Craig. 1990. The effect of glume characteristics of sorghum on infection by *Fusarium moniliforme*. Agron. Abst. p. 189.
- Mansuetus, S.B., R.A. Frederiksen, R.D. Waniska, G.N. Odvody and J. Craig. 1990. The role of glumes of sorghum in resistance to grain mold. Phytopathology 80:1069.
- Matheussen, A.M., P.W. Morgan and R.A. Frederiksen. 1990. Changes in gibberellin content in sorghum panicles infected with *Sporisorium reilianum* (head smut). Agron. Abst. p. 54.
- Mei, W., L.E. Claflin and B.A. Ramundo. 1995. Pathogenicity of various strains in *Fusarium* Section *Liseola* to corn and sorghum. Phytopathology 85:1199.

- Muriithi, L.B., L.E. Claflin, and B.A. Ramundo. 1995. Survival of *Pseudomonas andropogonis* in grain sorghum debris. *Phytopathology* 85:1164.
- Naidoo, G., C.W. Magill and R.A. Frederiksen. 1991. Characterization of host specialized isolates of *Sporisorium Reilani*, using molecular markers. p. 276. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Ngoko, Z., R.A. Frederiksen, J. Craig and J.D. Smith. 1990. Characterization of slow rusting components in maize inbreds and single crosses. *Phytopathology*. 80:(A901)
- Odvodny, G.N., R.W. Toler, M.P.K. Theu and J.C. Remmers. 1991. Incidence and expression of sorghum yellow banding virus in South Texas. p. 276. *In Proc. International Sorghum and Millet CRSP Conference*. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Odvodny, G.N., N.M. Spencer and J.C. Remmers. 1990. Effect of seed treatment fungicides and herbicide antidotes on seed deterioration of sorghum in South Texas storage environments. *Phytopathology* 80:1060.
- Odvodny, G.N., R.W. Toler and J.C. Remmers. 1990. Occurrence and expression of sorghum yellow banding virus in South Texas. *Phytopathology* 80:1027.
- Oh, B.J., G.W. Xu, R.A. Frederiksen and C.W. Magill. 1991. Developing RFLP markers for Sorghum head smut resistance genes. p. 276. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Owens, C.K., and R.A. Frederiksen. 1995. Detection of sexual compatibilities in *Sporisorium reilianum* by plate matings. Proc. 19th Biennial Grain Sorg. Res. and Util. Conf. March 5-7, 1995. Lubbock, TX. 19:110.
- Ploetz, R. C., J. L. Haynes, A. Vazquez, J. F. Leslie & A. El-Sattar. 1999. A preliminary study on the causal agent of mango malformation in Egypt. *Phytopathology* 89: s60.
- Ramundo, B.A. and L.E. Claflin. 1991. *Pseudomonas andropogonis*: A diverse bacterial incitant of leaf stripe in sorghum. p. 277. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Reddy, J.R., L.E. Claflin and B.A. Ramundo. 1991. Systemic colonization of grain sorghum plants by *Xanthomonas Campestris* pv. *Holcicola*. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1. p. 277.
- Ring, A.S. and G.N. Odvodny. 1990. A characterization of fusaria associated with corn, cotton, and sorghum in South Texas. *Phytopathology* 80:1045.
- Rodriguez-Herrera, R., W.W. Rooney, R.D. Waniska, D.T. Rosenow, and R.A. Frederiksen. 1998. Path analysis for grain old resistance in sorghum. *Agron. Abst.* p. 80.
- Saleh, A. A., and J. F. Leslie. 2003. Molecular phylogenetic analysis indicates *Cephalosporium maydis* is a distinct taxon in the *Gaeumannomyces-Phialophora* species complex. *Fungal Genetics Newsletter* 50(Suppl.): 142.
- Saleh, A. A., and J. F. Leslie. 2003. Biological species in the *Gibberella fujikuroi* species complex (*Fusarium* section *Liseola*) recovered from maize and sorghum in Egypt. *Fungal Genetics Newsletter* 50(Suppl.): 142.

- Shaw, S.F., V. Elliott and J.F. Leslie. 1993. Genetic diversity in *Gibberella fujikuroi* (*Fusarium* Section *Liseola*) from bananas. *Fungal Genetics Newsletter* 40A:25.
- Shaw, S.F., V. Elliott, I.M. Mansour and J.F. Leslie. 1993. Genetic diversity in *Fusarium* Section *Liseola* from mangoes. *Fungal Genetics Newsletter* 40A:25.
- Vargas, J. I., R. L. Bowden, K. A. Zeller and J. F. Leslie. 2001. Comparisons of North and South American populations of *Gibberella zeae*. *Phytopathology* 91: s91.
- Wiltse, C.C., W.L. Rooney, R.A. Frederiksen, and D.T. Rosenow. 1997. Survey of anthracnose resistance sorghum germplasm lines to identify additional resistance genes. *Agron. Abst.* p. 72.
- Woudt, L.P., A. Neuvel, A. Sikkema, W.A.J. de Milliano, C.L. Campbell, and J.F. Leslie. 1995. *Fusarium oxysporum* from cyclamens. *Fungal Genetics Newsletter* 42A:94.
- Woudt, L.P., A. Sikkema, J.F. Leslie, A. Neuvel, M. de Lange, W.A.J. de Milliano and M.Q.J.M. van Grinsven. 1993. Identification of isolates of *Fusarium oxysporum* f. sp. *cyclamenis* by DNA-fingerprinting, vegetative compatibility, and PCR. *Proc. 6th International Cong. Plant Path.*, p. 43.
- Xu, X., L.E. Claflin, B.A. Ramundo and D.J. Jardine. 1995. Optimizing production for *Ramulispora sorghi*. *Phytopathology* 85:1169.
- Xu, J.-R. and J.F. Leslie. 1993. RFLP map and electrophoretic karyotype of *Gibberella fujikuroi* (*Fusarium moniliforme*). *Fungal Genetics Newsletter* 40A:25
- Xu, J.-R., K. Yan, M.B. Dickman and J.F. Leslie. 1993. Variability of electrophoretic karyotypes of six biological species within the *Gibberella fujikuroi* species complex (*Fusarium* Section *Liseola*). *Fungal Genetics Newsletter* 40A:25.
- Xu, J.-R. and J.F. Leslie. 1992. Electrophoretic karyotypes of *Gibberella fujikuroi* mating populations A-F. *Phytopathology* 82:1150.
- Yao, Cheng-Lin, C.W. Magill, R.A. Frederiksen and M.R. Bonde. 1991. Application of Cloned DNA Fragments to Differentiate and Detect *Peronosclerospora* Species. p. 277. *Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub.* 92-1.
- Zeller, K. A., J. I. Vargas, G. Valdovinos-Ponce, J. F. Leslie, & R. L. Bowden. 2003. Population genetic differentiation and lineage composition among *Gibberella zeae* in North and South America. *Fungal Genetics Newsletter* 50(Suppl.): 143
- Zeller, K. A., J. E. Jurgenson, and J. F. Leslie. 2001. Simultaneous mapping of multiple *vic* loci in *Gibberella fujikuroi* Mating Population A (*Fusarium verticillioides*). *Phytopathology* 91: s99.
- Zeller, K. A., E. M. El-Assiuty and J. F. Leslie. 2000. Relative colonization ability of maize by four lineages of *Cephalosporium maydis* from Egypt. *Inoculum* 51(3): 69.
- Zeller, K. A., J. E. Jurgenson and J. F. Leslie. 1999. Mapping vegetative incompatibility (*vic*) loci in *Gibberella fujikuroi* (*Fusarium moniliforme*). *Fungal Genetics Newsletter* 46(Supplement): 94.
- Zeller, K.A., J.J. Jurgenson, J.F. Leslie, E.M. El-Assiuty and H.A. El-Shafey. 1998. Genetic variation in *Cephalosporium maydis* from Egypt. *Phytopathology* 88:S103.

Pathology

- Zeller, K.A. and J.F. Leslie. 1997. *Fusarium moniliforme* (*Gibberella fujikuroi*) mutants with altered vegetative compatibility phenotypes. Fungal Genetics Newsletter 44A:114.
- Zeller, K.A., and J.F. Leslie. 1996. Some mutants that overcome vegetative incompatibility in *Fusarium moniliforme* (*Gibberella fujikuroi* mating population A). Phytopathology 86:S32.
- Zvoutete, P., L.E. Claflin and B.A. Ramundo. 1991. Portal of entry of *Xanthomonas Campestris* pv. *Holcicola* into grain sorghum plants. p. 277. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.
- Zvoutete, P., L.E. Claflin and B.A. Ramundo. 1991. Seedborne role and longevity of *Xanthomonas Campestris* pv. *Holcicola* in grain sorghum. p. 278. Proc. International Sorghum and Millet CRSP Conference. Corpus Christi, TX. INTSORMIL Pub. 92-1.

Sociology/Anthropology



Journal Articles

- Barkin, David, Rosemary Batt and Billie DeWalt. 1991. La Sustitución Global entre Granos: el Caso de América Latina. *Comercio Exterior* 41(1):9-23.
- Barkin, David and Billie R. DeWalt. 1988. Sorghum and the Mexican food crisis. *Latin American research review* 23(3):30-59.
- Barkin, David and Billie R. DeWalt. 1985. "La crisis alimentaria Mexicana y el sorgo." *Problemas del Desarrollo* 61:65-85.
- Busch, L. and W.B. Lacy. "Sorghum research and human values," *Agricultural Administration*. 15 (1984):205-22.
- Coughenour, C. Milton, Timothy Frankenberger, and Elizabeth Skartvedt. 1985. "Women farmers in rural settlements in North Kordofan, Sudan." *The Ahfad Journal* 2:9-22.
- Coughenour, C. Milton and Saadi M. Nazhat. 1986. "The process of agricultural change among women of North Kordofan, Sudan." *The Ahfad Journal* 2:131-140.
- DeWalt, Billie. 1988. Halfway there: Social science in agricultural development and the social science of agricultural development. *Human Organization* 47:343-353.
- DeWalt, Billie. 1988. The cultural ecology of development: Ten precepts for survival. *Agriculture and Human Values* Volume V (1 and 2):112-123.
- DeWalt, Billie. 1987. Between the volcanoes. *the World and I*. 12:490-501.
- DeWalt, Billie, Kathleen DeWalt, Jose Carlos Escudero and David Barkin. 1987. Agrarian reform and small farmer welfare: Evidence from four Mexican communities. *Food and Nutrition Bulletin* 9(3):46-52.
- DeWalt, Billie R., 1986. "Economic assistance in Central America: Development or improvishment?" *Cultural Survival Quarterly* 10:14-18.
- DeWalt, B.R., 1985. Anthropology, sociology, and farming systems research. *Human Organization* 44:106-114.
- DeWalt, B.R., 1985. Mexico's second green revolution. *Mexican Studies/Estudios Mexicanos* 1:29-60.
- DeWalt, B.R., 1984. International development paths and the policies: The Cultural Ecology of Development. *The Rural Sociologist*. 4:255-268.
- DeWalt, Kathleen, Billie R. DeWalt, Jose Carlos Escudero and David Barkin. 1990. Shifts from maize to sorghum production: Nutrition effects in four Mexican communities. *Food Policy* 15:395-407.
- DeWalt, Kathleen M. and Billie R. DeWalt. 1987. Nutrition and agricultural change in Southern Honduras. *Food and Nutrition Bulletin* 9(3):36-45.
- Lacy, William, M. Hansen, L. Busch, and J. Burkhardt. 1986. "Plant breeding and biotechnology: New technologies raise important social questions." *BioScience* 36:29-39.

Lacy, William. 1985. "The roles of sociologists in two A.I.D. programs" and "The role of social scientists in INTSORMIL." *The Rural Sociologist* 5 (4):273,285-289.

Marcotte, Paul and Louis Swanson. 1987. "The disarticulation of farming systems research with national agricultural systems: Bringing FSR back in." *Agricultural Administration and Extension* 27:1-17.

Book, Book Chapters and Proceedings

Acker, David G. 1993. Developing effective researcher-extension farmer. 1993. p. 210-231. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

Barkin, David, Billie R. DeWalt, Kathleen M. DeWalt, and José Carlos Escudero. 1988. El Impacto Nutricional de la Sustitución del Cultivo de Maíz por Sorgo en Cuatro Comunidades. p. 59-90. *In Centro de Ecodesarrollo and Fundación Friedrich Naumann, Producir para la Desnutrición?* Mexico: Centro de Ecodesarrollo.

Barkin, David and Billie DeWalt. 1985. El Sorgo y la Crisis Alimentaria Mexicana. p. 153-167. *In Compton L. Paul and Billie R. DeWalt (eds.), El Sorgo en Sistemas de Producción en América Latina.* Mexico: INTSORMIL/ICRISAT/CIMMYT.

Bowen, Nina Renee and Pamela Stanbury. 1993. Responsee to social science research and the CRSPs - Office of Women in Development. p. 272-274. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

Busch, Lawrence. 1993. Socioeconomic implications of biotechnology for developing countries. p. 91-101. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

Chavas, Jean-Paul. 1993. Risk and public goods: Implications for technology development. p. 181-191. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

Cummins, David G. 1993. Issues related to CRSP research agendas: Responses of the CRSPs. p. 269-271. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

DeWalt, Billie D. 1993. Using local-level knowledge to improve agriculture and natural resource management. p. 141-153. *In Proceedings of A Workshop on Social Science Research and the CRSP's, June 9-11, 1992.* University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

DeWalt, Billie and David Barkin. 1991. Mexico's two green revolutions: feed for foods. p. 12-39. *In Della E. McMillan (ed.). Anthropology and Food Policy: Human Dimensions of Food Policy in Africa and Latin America.* Athens: University of Georgia Press.

DeWalt, Billie R. 1989. Halfway there: Social science in agricultural development and the social science of agricultural development. p. 39-61. *In, Constance McCorkle (ed.). Social sciences in International Agricultural Research: Lessons from the CRSPs.* Boulder, CO: Lynne Rienner Publishers.

- DeWalt, Billie R. and David Barkin. 1987. Seeds of change: the effects of hybrid sorghum and agricultural modernization in Mexico. p. 138-165. *In* H. Russell Bernard and Pertti J. Pelto, (eds.). *Technology and Social Change* (2nd ed.). Prospect Heights, IL: Waveland Press.
- DeWalt, Billie R. and Kathleen M. DeWalt. 1985. El Contexto Socioeconómico para la Investigación sobre el Sorgo en el Sur de Honduras. p. 57-67. *In* Compton L. Paul and Billie R. DeWalt (eds.). *El Sorgo en Sistemas de Producción en América Latina*. Mexico: INTSORMIL/ICRISAT/CIMMYT.
- DeWalt, Billie R. 1985. Microcosmic and macrocosmic processes of agrarian change in Southern Honduras: The cattle are eating the forest. p. 165-186. *In* Billie R. DeWalt and Pertti J. Pelto, (eds.). *Micro and Macro Levels of Analysis in Anthropology: Issues in Theory and Research*. Boulder, CO: Westview Press.
- DeWalt, Billie R. 1985. Un Panorama de la Producción del Maíz y Sorgo en el Hemisferio Occidental. p. 274-280. *In* Compton L. Paul and Billie R. DeWalt (eds.). *El Sorgo en Sistemas de Producción en América Latina*. Mexico: INTSORMIL/ICRISAT/CIMMYT.
- DeWalt, Kathleen M. and Billie R. DeWalt. 1989. Incorporating nutrition into agricultural research: A case study from Southern Honduras. p. 165-185. *In* Barbara Rylko-Bauer, Ann McElroy and John van Willigen, (eds.). *Making Our Research Useful: Anthropology in Action*. Boulder, CO: Westview Press.
- DeWalt, Kathleen M. and Billie R. DeWalt. 1989. Social science approaches to including nutrition research in the sorghum/millet CRSP. p. 86-100. *In* Constance McCorkle, (ed.) *Social Sciences in International Agricultural Research: Lessons from the CRSPs*. Boulder, CO: Lynne Rienner Publishers.
- Ferguson, Anne E. 1993. Differences among women farmers: Implications for African agricultural research programs. 47-62. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Frankenberger, Timothy R. 1993. Farmer/consumer participation in research development. p. 195-209. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Gilles, Jere Lee. 1993. Social sciences and collaborative research: Toward an agenda for the social sciences in agriculture. p. 7-18. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Johnston, Bruce F. 1993. Problems of commodity markets in developing countries: Implications for technology development. p. 75-88. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Lynam, John K. 1993. Sustainability: The challenge for international agricultural research. p. 119-140. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Norton, George W. 1993. Impact of food policies on the development of agricultural technologies. p. 102-115. *In* *Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

- Oehmke, James F. 1993. Impact measurement and policy distortions: Results from American and African fieldwork. p. 235-243. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Reeves, Edward C., Billie R. DeWalt and Kathleen M. DeWalt. 1987. The International Sorghum/Millet Research Project. p. 72-83. *In Robert M. Wulff and Shirley J. Fiske (eds.), Anthropological Praxis: Translating Knowledge into Action*. Boulder, CO: Westview Press.
- Roth, Michael, Keith Wiebe and Steven Lawry. 1993. Land tenure and agriculture structure: Implications for technology. p. 157-180. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Sanders, John H. and Sunder Ramaswamy. 1993. Impacts of new technology in Burkina Faso and the Sudan: Implications for future technology and design. p. 244-265. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Sapp, Stephen G. 1993. Sociopsychological aspects of consumer preferences. p. 65-74. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Staatz, John M. and Richard H. Bernsten. 1993. Technology development and household food security. p. 21-46. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.
- Stonich, Susan C. and Billie R. DeWalt. 1989. The political economy of agricultural growth and rural transformations in Honduras and Mexico. p. 202-230. *In Sheldon Smith and Edward Reeves, (eds.). Human Systems Ecology: Studies in the Integration of Political Economy, Adaptation, and Socionatural Regions*. Boulder, CO: Westview Press,
- Yohe, John. 1993. Framing a strategic research agenda. p. 3-6. *In Proceedings of A Workshop on Social Science Research and the CRSP's*, June 9-11, 1992. University of Kentucky, Lexington, KY. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. No. 93-3.

Dissertation and Theses

Ph.D. Degrees

- Adelski, Elizabeth. 1987. Ejidal Agriculture in Northern Sinaloa, Mexico: Agricultural Resources, Production and Household Well-Being. Ph.D. diss. University of Kentucky, Lexington, KY.
- Marcotte, Paul. 1986. Farming Systems Research as a Method for Introducing Sorghum in the Dominican Republic: A Synthesis of the Positivist and Critical Paradigms. Ph.D. diss. University of Kentucky, Lexington, KY.
- Matli, Musi. 1989. The effects of leader involvement in extension program development. Ph.D. diss. University of Nebraska, Lincoln, NE.
- Nazhat, Saadi Mohammed. 1987. Technology Diffusion for Agricultural Development and Desertification Control in Semi-Arid Regions. Ph.D. diss. University of Kentucky, Lexington, KY.

Roth, M. 1986. An Economic Evaluation of Agricultural Policy in Burkina Faso, West Africa: A Sectoral Modeling Approach. Ph.D. diss. Purdue University, West Lafayette, IN

Savadogo, K. 1986. An Analysis of the Economic and Socio-Demographic Determinants of Household Food Consumption in Ouagadougou, Burkina Faso. Ph.D. diss. Purdue University, West Lafayette, Indiana.

Miscellaneous Publications

DeWalt, Billie R. and Kathleen M. DeWalt. 1984. Sistemas de Cultivo en Pespire, Sur de Honduras: Un Enfoque de Agroecosistemas. Estudios Antropologicos e Históricos # 4 del Instituto HondureZo de Antropología e Historia: Tegucigalpa, Honduras.

Fordham, Miriam, Billie R. DeWalt and Kathleen M. DeWalt. 1988. El Rol Económico de la Mujer Campesina en Honduras. Estudios Antropologicos e Historicos # 7 del Instituto HondureZo de Antropología e Historia: Tegucigalpa.

Striga



Journal Articles

- Babiker, A.G.T., T. Cai, G. Ejeta, L.G. Butler and W.R. Woodson. 1994. Enhancement of ethylene biosynthesis and germination in *Striga asiatica* Seeds by Thidiazuron and selected Auxins. *Physiologia Plantarum* 91:529-536.
- Babiker, A.G.T., G. Ejeta, L.G. Butler and W.R. Woodson. 1993. Ethylene biosynthesis and Strigol-Induced germination of *Striga asiatica*. *Physiologia Plantarum* 88:359-365.
- Babiker, A.G.T., L.G. Butler, G. Ejeta and W.R. Woodson. 1993. Enhancement of ethylene biosynthesis and germination with Cytokinins and 1-Aminocyclopropane-1-carboxylic Acid in *Striga asiatica* Seeds. *Physiologia Plantarum* 89:21-26.
- Bell-Lelong, D.A., D.E. Hess, G. Ejeta, and L.G. Butler. 1994. Do phenolics from the parasitic weed *Striga* inhibit host photosynthesis and growth? *Acta Horticultuae* 381, 683-686.
- Cai, T., A.G.T. Babiker, G. Ejeta and L.G. Butler. 1993. Morphological response of witchweed (*Striga asiatica*) to in vitro culture. *J. Exp. Botany* 44:1377-1384.
- Cherif-Ari, O., T.L. Housley and G. Ejeta. 1990. Sorghum root length density and the potential for avoiding *Striga* parasitism. *Plant and Soil* 121:67-72.
- Ejeta, G. and L.G. Butler. 1993. Host-parasite interactions throughout the *Striga* life cycle and their contributions to *Striga* resistance. *African Crop Sci. J.* 1:75-80.
- Hess, D.E. and G. Ejeta. 1992. Inheritance of resistance to *Striga* in sorghum genotype SRN-39. *Plant Breeding* 109:233-241.
- Hess, D.E., G. Ejeta and L.G. Butler. 1992. Selecting sorghum genotypes expressing a quantitative biosynthetic trait that confers resistance to *Striga*. *Phytochemistry* 31:493-497.
- Mohammed, A., G. Ejeta, and T. Housley. 2001. *Striga asiatica* seed conditioning and 1-aminoacyclopropane-1-carboxylate oxidase activity. *Weed Research* 41:165-176.
- Mohammed, A.H., G. Ejeta, L.G. Butler, and T.L. Housley. 1998. Moisture Content and Dormancy in *Striga asiatica* seeds. *Weed Research* 38:257-265
- Netzly, D.H., J.L. Riopel, G. Ejeta and L.G. Butler. 1988. Germination Stimulants of Witchweed (*Striga asiatica*) from Hydrophobic Root Exudate of Sorghum. *Weed Sci.* 36:441-446.
- Netzley, D., J. Riopel, G. Ejeta and L. Butler. 1987. Germination stimulants of witchweed (*Striga asiatica*): Components of the hydrophobic root exudate of sorghum. *Weed Sci.* 36:441-446.
- Netzly, D.H. and L.G. Butler. 1986. Roots of sorghum bicolor exude hydrophobic droplets containing biologically active components. *Crop Sci.* 26:775-778.
- Reda, F., L.G. Butler, G. Ejeta and J.K. Ransome. 1994. Screening of maize genotypes for low *Striga asiatica* stimulant production using the "Agar Gel Technique." *African Crop Science J.* 2, 173-177.
- Siame, B.A., K. Wood, G. Ejeta and L.G. Butler. 1993. Isolation of Strigol, a Germination Stimulant for *Striga asiatica*, from Natural Host Plants. *J. Agric. Food Chem.* 41:1486-1491.

- Vogler, R.K., G. Ejeta and L. Butler. 1996. Inheritance of low production of *Striga* germination stimulants in sorghum. *Crop Sci.* 36:1185-1191.
- Vogler, R.K., G. Ejeta and L.G. Butler. 1996. Integrating biotechnological approaches for the control of *Striga*. *Afric. Crop Sci. Journ.* 3:217-222.
- Weerasuriya, Y., B. Siame, D.E. Hess, G. Ejeta and L.G. Butler. 1993. Influence of Conditions and Genotype on the Amount of *Striga* Germination Stimulants Exuded by Roots of Several Host Crops. *J. Agric. Food Chem.* 41:1492-1496.

Book, Book Chapters and Proceedings

- Babiker, A.G.T. 2002. *Striga* control in Sudan: An integrated approach. p. 159-164. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Babiker, A.G.T. 1997. Integrated use of *Striga*-resistant sorghum varieties. p. 517-524. *In* D.T. Rosenow et al (eds). Proc. of International Conference on Genetic Improvement of Sorghum and Millet, 23-27 September 1996. Lubbock, Texas.. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Babiker, A.G.T., N.E. Ahmed, G. Ejeta, L.G. Butler, A. Mohamed, M.G. El Mana, S.M. El Taye, and B.E. Abdel Rhamman. 1996. Chemical control of *Striga hermonthica* on sorghum, p. 769-776. *In* M.T. Moreno, J.I. Cubero, D. Berner, D. Joel and L.J. Musselman (eds). Advances in Parasitic Plant Research: Proceedings of the Sixth International Parasitic Weeds Symposium. Direccion General De Investigacion Agraria. April 16-18, 1996. Cordoba, Spain.
- Babiker, A.G.T., I.A. Ali, G. Ejeta, L.G. Butler and W.R. Woodson. 1995. *Striga asiatica* germination requires stimulation of 1-aminocyclo-propane 1-carboxylic acid (ACC) synthesis and oxidation. P. 23-24. *In* J.A. Bailey and J.A. Lane (eds.). Proceedings of International Workshop on Parasitic Plants: Biology and Resistance. IACR-Long Ashton Research Station, Bristol, UK. May 30th-June 2nd, 1995.
- Butler, L.G., G. Ejeta, A.G. Babiker, and D.E. Hess. 1997. *Striga*-Host Relationships and Their Role in Defining Resistance. p. 490-504. *In* Rosenow et al. (eds) Proc. of International Conference on Improvement of Sorghum and Pearl Millet, 22-27 September, Lubbock, Texas. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Butler, L.G. 1995. Chemical Communication Between the Parasitic Weed *Striga* and Its Crop Host: A New Dimension in Allelochemistry, Insights into Allelopathy. p. 158-168. Inderjit and F. Einhellig, (eds.). ACS Books, Washington.
- Butler, L.G. G. Ejeta and A.G.T. Babiker. 1995. Biochemical aspects of an interdisciplinary program of research on control of *Striga*. P. 25-26. *In* J.A. Bailey and J.A. Lane (eds.). Proceedings of International Workshop on Parasitic Plants: Biology and Resistance. IACR-Long Ashton Research Station, Bristol, UK. May 30th-June 2nd, 1995.
- Butler, L.G. and G. Ejeta. 1991. Several Approaches to the *Striga* Problem Being Developed at Purdue University. p. 14. Proc. 2nd Workshop of the PanAfrican *Striga* Control Network (PASCON). June 1991, Nairobi, Kenya.
- Butler, L.G., G. Ejeta, D.E. Hess, B. Siame, Y. Weerasuriya and T. Cai. 1991. Some novel approaches to the *Striga* problem. p. 500-503. *In* J.K. Ransom et al. (eds.) Proc. 5th International Symp. on Parasitic Weeds. June, 1991, Nairobi, Kenya.

- Butler, L.G. and G. Ejeta. 1991. *Striga*: A model for collaborative interdisciplinary research. p. 119-123. Proc. INTSORMIL Principal Investigators Conference, Scottsdale, AZ.
- Ejeta, G., A. Bibiker, K. Belete, P. Bramel, A. Ellicott, C. Grenier, T. Housley, I. Kapran, A. Mohamed, P. Rich, C. Shaner and A. Toure. 2001. Breeding for durable resistance to *Striga* in sorghum. p. 165-169. *In*: Fer et al. (eds.) Seventh International Parasitic Weed Symposium. 5-8 June, Nantes, France.
- Ejeta, G., A. Mohammed, P. Rich, A. Melakeberhan, T. Housley, and D. Hess. 2000. Selection for specific mechanisms of resistance to *Striga* in sorghum. p. 29-40. *In* B.I.G. Haussmann, et al. (eds.) Proceedings of Workshop on Breeding for *Striga* Resistance in Cereals, Ibadan, Nigeria.
- Ejeta, G. 2000. *Striga*: Noxious Parasitic Weeds of Tropical Cereals and Legumes. p. 53-57. *In*: R.A. Frederiksen and G.N. Odvody (eds.) Compendium of Sorghum Diseases. APS Press.
- Ejeta, G., L.G. Butler, D.E. Hess, T. Obilana, and B.V.S. Reddy. 1997. Breeding for *Striga* Resistance in Sorghum. p 504-516. *In* Rosenow et al. (eds) Proc. of International Conference on the Genetic Improvement of Sorghum and Pearl Millet, 22-27 September, Lubbock, Texas. INTSORMIL, University of Nebraska, Lincoln, NE. Publ. 97-5.
- Ejeta, G. and L.G. Butler. 1996. Biotechnological approaches for understanding mechanisms of resistance to *Striga*, p. 568-573. *In*. M.T. Moreno et al. (eds). Advances in Parasitic Plant Research. Sixth International Parasitic Weed Symposium, Cordoba, Spain, April, 16-18, 1996.
- Ejeta, G., L.G. Butler and A.G.T. Babiker. 1995. Genetics, breeding and agronomy of *Striga* resistance in sorghum. P. 27-28. *In* J.A. Bailey and J.A. Lane (eds.). Proceedings of International Workshop on Parasitic Plants: Biology and Resistance. IACR-Long Ashton Research Station, Bristol, UK. May 30th-June 2nd, 1995.
- Ejeta, G. and L.G. Butler. 1993. Host plant resistance to *Striga*. p. 561-569. *In* D.R. Buxton et al. (eds.). International Crop Science I. Crop Science Society of America.
- Ejeta, G., L.G. Butler, D.E. Hess and R.K. Vogler. 1991. Genetic and breeding strategies for *Striga* resistance in sorghum. p. 539-544. Proc. 5th International Symp. on Parasitic Weeds, June, 1991. Nairobi, Kenya.
- Hess, D.E., J. Kroschel, D. Traoré, A.E.M. Elzein, P.S. Marley, A.A. Abbasher and C. Diarra. 2002. *Striga*: Biological control strategies for a new millenium. p. 165-170. *In* J. Leslie (Ed.). Proceedings of Global 2000 Sorghum and Pearl Millet Diseases III, Sept. 24-29-2000. Iowa State University Press, Ames, IA.
- Hess, D.E. G. Ejeta and L.G. Butler. 1991. Research into germination of *Striga* seed by sorghum root exudates. p. 217-222. Proc. 5th International Symp. on Parasitic Weeds. June, 1991, Nairobi, Kenya.
- Hess, D. and G. Ejeta. 1987. Effect of cultural treatments on infestation of *Striga hermonthica* (Del.) Berth. (*Scrophulariaceae*) on sorghum in Niger. p. 367-375. *In*: H.C. Weber and W. Forstreuter (eds.) Proc. Fourth Intl. Symp. on Parasitic Flowering Plants. Marburg, Federal Republic of Germany. Aug. 1987.
- Housley, T., G. Ejeta, A. Charif, D. Netzley and L. Butler. 1987. Progress towards an understanding of sorghum resistance to *Striga*. p. 411-419. *In*: H.C. Weber and W. Forstreuter (eds.) Proc. Fourth Int. Symp. on Parasitic Flowering Plants. Marburg, Federal Republic of Germany. Aug. 1987.
- Mohamed, A., P.J. Rich, T.L. Housley, and G. Ejeta. 2001. *In vitro* techniques for studying mechanisms of *Striga* resistance in sorghum. p. 96-101. *In*: Fer et al. (eds.) Seventh International Parasitic Weed Symposium. 5-8 June, Nantes, France

Striga

- Mohamed, A.H., G. Ejeta, and T.L. Housley. 2001. Control of *Striga* Seed Germination. p. 125-127. *In*:Fer et al. (eds) Proceedings of the 7th International Parasitic Weed Symposium. 5-8 June, Nantes, France.
- Mohamed, A., A. Ellicott, C. Grenier, P.J. Rich, C. Shaner, and G. Ejeta. 2001. Hypersensitive Resistance to *Striga* in Sorghum. p. 204-207. *In*:Fer et al. (eds) Proceedings of the 7th International Parasitic Weed Symposium. 5-8 June, Nantes, France.
- Netzley, D., G. Ejeta, T. Housley, D. Hess and L. Butler. 1986. Mechanisms of resistance to *Striga* in sorghum. p. 50-52. *In* S.J. ter Borg (ed.) Proc. Intl. Symp. on Biology and Control of Orobanche. LH1VPO, Wageningen, The Netherlands.
- Rich, P.J., A. Mohamed, A. Ellicott, C. Grenier, C. Shaner, and G. Ejeta. 2001. Sources of potential *Striga* resistance mechanisms among wild relatives of sorghum. p. 239-240. *In*: Fer et al. (eds.) Seventh International Parasitic Weed Symposium. 5-8 June, Nantes, France.

Dissertation and Theses

M.S. Degrees

- Weerasuriya, Y. 1992. Root exudation of germination stimulants for *Striga asiatica* by hosts and other plants, and production of antibodies to *Striga* seed surface antigens. M.S. thesis. Purdue University, West Lafayette, IN.

Ph.D. Degrees

- Siame, A.B. 1993. Isolation of Strigol from *Striga* Host Plants and the Role of Flavonoids in Sorghum Leaf Disease Reaction. Ph.D. Diss. Purdue University, West Lafayette, IN.

Other Degrees

- Hess, D.E. 1989-90. Agar gel assay for *Striga* germination stimulant production by host crop roots. Postdoctoral. Purdue University, West Lafayette, IN.

Miscellaneous Publications

- Butler, L.G. 1989. *Striga*: Scourge of African Cereals. INTSORMIL Publ. 89-1. University of Nebraska, Lincoln, NE.
- Ejeta, G., L.G. Butler and A.G.T. Babiker. 1993. New Approaches to the Control of *Striga*: *Striga* Research at Purdue University, p. 27. Purdue Agric. Res. Bulletin #RB 991.
- Sankara, E., J.B. Dickey L. Butler and G. Ejeta. Performance of sorghum lines under *Striga hermonthica* infestation in Burkina Faso. P. 131-145 in J. Lowenberg-Deboer (ed.). Purdue University. I.NERA Report to USAID.
- Wubeneh, Nega, and John H. Sanders, "Diffusion of *Striga*-Resistant Cultivars in Tigray, Ethiopia: A Preliminary Report to INTSORMIL," Progress Report made to INTSORMIL on field activities, April 2001, 10 pages.

Abstracts

- Bell-Lelong, D.A., D.E. Hess, G. Ejeta and L.G. Butler. 1993. Do phenolics from the parasitic weed *Striga* inhibit host photosynthesis and growth. Proc. Symp. on Natural Phenols in Plant Resistance. Int. Soc. for Hort. Science. Sept. 13-17, Freising, Germany. Abs. #1-32.
- Bell-Lelong, D. and L.G. Butler. 1991. Biochemical ecology of the *Striga*-host relationship. McKnight Program Retreat. Nov. 23, 1991.
- Butler, L.G., A.G. Babiker, T. Cai and G. Ejeta. 1994. Possible growth factors for the parasitic weed *Striga* from sorghum host plants. Agron. Abst. 123
- Cherif Ari, O., T.L. Housley and G. Ejeta. 1986. Sorghum root development and the potential for *Striga* parasitism. Agron. Abst. p. 92.
- Ejeta, G. 199. Interdisciplinary collaborative research towards the control of *Striga*. Agron. Abst., p. 46.
- Ejeta, G., Y. Weerasuriya and L.G. Butler. The use of simple lab assays to identify mechanisms of Sorghum Resistance to *Striga*. Agron. Abst. p. 123.
- Hess, D.E. and G. Ejeta. 1988. Genetics of resistance to *Striga hermonthica* in sorghum. Agron. Abst. p. 83.
- Hess, D.E., R.K. Vogler, G. Ejeta and L. Butler. 1989. Phenolic compounds in *Striga*-resistant and susceptible sorghums. Agron. Abst. p. 85.
- Ibrahim, Y.A. Melakeberhan, Y. Weerasuriya, N. Cisse, J. Bennetzen, and G. Ejeta. 1998. Construction of a sorghum linkage map and identification of loci involved in *Striga* resistance. p. 156. Agron. Abst. ASA, Madison, WI.
- Mohamed, A.H., P.J. Rich, T.L. Housley, and G. Ejeta. 2000. Mechanisms of *Striga* resistance in sorghum. Agron. Abst. p. 111.
- Mohamed, A., P.J. Rich, A. Melakeberhan, T. Housley, and G. Ejeta. 1998. An in vitro system for evaluating sorghum germplasm for post-infection *Striga* resistance mechanisms. Agron. Abst., p. 76.
- Siame, B. and L.G. Butler. 1991. Isolation and characterization of water-soluble germination stimulants for *Striga*. p. 258-259. Proc. International Sorghum and Millet CRSP Conference (INTSORMIL) Conference in Corpus Christi, TX.
- Vogler, R.K., G. Ejeta, L.G. Butler and W.E. Nyquist. 1993. Association between low stimulant production and field resistance against *Striga asiatica* in sorghum. Agron. Abst. p. 104.
- Vogler, R.K., G. Ejeta and L.G. Butler. 1991. Selecting sorghum genotypes for *Striga* resistance using an agar gel assay. p. 266. International Sorghum and Millet CRSP Conference.
- Vogler, R.K., G. Ejeta and L. Butler. 1991. Inheritance of low stimulation of *Striga* seed germination in sorghum cultivar SRN-39. Agron. Abst. p. 120.
- Vogler, R.K., G. Ejeta and L.G. Butler. 1991. Selecting sorghum genotypes for *Striga* resistance using an agar gel assay. p. 266. Proc. International Sorghum and Millet CRSP Conference (INTSORMIL) Conference in Corpus Christi, TX.

Striga

Weerasuriya, Y. G. Ejeta and L.G. Butler. 1992. Production of host-derived developmental signals for witchweed. Agron. Abst. p. 118.

Weerasuriya, Y. and L.G. Butler. 1991. Stimulation and inhibition of *Striga* seed germination. p. 259. Proc. International Sorghum and Millet CRSP Conference (INTSORMIL) Conference in Corpus Christi, TX.

INTSORMIL
Principal Investigators



INTSORMIL Principal Investigators

Dr. Larry Claflin
Department of Plant Pathology
Kansas State University
Manhattan, KS 66506

Dr. Gebisa Ejeta
Department of Agronomy
Purdue University
West Lafayette, IN 47907

Dr. Bruce Hamaker
Dept. of Food Science-Smith Hall
Purdue University
West Lafayette, IN 47907

Dr. Joe Hancock
Department of Animal Sciences and Industry
Kansas State University
Manhattan, KS 66506

Dr. John Leslie
Department of Plant Pathology
Kansas State University
Manhattan, KS 66506

Dr. Clint Magill
Dept. of Plant Pathology and Molecular Biology
Texas A&M University
College Station, TX 77843-8182

Dr. Martha Mamo
Department of Agronomy and Horticulture
University of Nebraska
Lincoln, NE 68583-0915

Dr. Stephen Mason
Department of Agronomy
University of Nebraska
Lincoln, NE 68583-0915

Dr. Bonnie Pendleton
West Texas A&M University
P.O. Box 60998
Canyon, TX 79016-0001

Dr. Gary Peterson
Texas A&M Agric. Exp. Station
Route 3
Lubbock, TX 79401

Dr. Henry Pitre
Department of Entomology
Mississippi State University
Mississippi State, MS 39762

Dr. Lloyd Rooney
Dept. of Soil & Crop Sciences
Texas A&M University
College Station, TX 77843

Dr. William L. Rooney
Department of Soil and Crop Sciences
Texas A&M University
College Station, TX 77843-2474

Dr. Darrell Rosenow
Texas A&M Agric. Exp. Station
Route 3
Lubbock, TX 79401

Dr. John Sanders
Department of Ag Economics
Purdue University
West Lafayette, IN 47907

Dr. Mitchell R. Tuinstra
Department of Agronomy
Kansas State University
Manhattan, KS 66506

Dr. Ralph Waniska
Soil and Crop Sciences Department
Texas A&M University
College Station, TX 77843

Dr. Jeffrey Wilson
USDA/ARS - Crop Genetics and Breeding
P.O. Box 748
Tifton, GA 31793

Dr. Charles Wortmann
Department of Agronomy and Horticulture
University of Nebraska
Lincoln, NE 68583-0915

