

## Refereed Journal Articles at Vernon – Crops & Forages

### 1974

Bordovsky, D.G., W.R. Jordan, E.A. Hiler and T.A. Howell. 1974. Choice of irrigation timing indicator for narrow row cotton. *Agronomy Journal* 66:88-91.

Gerard, C.J. 1974. Influence of antecedent soil moisture suction on saturated hydraulic conductivity of soils. *Soil Science Society of America Proceedings* 38:506-509.

### 1975

Stafford, R.E. and C.R. Lewis. 1975. Natural crossing in guar, *Cyamopsis tetragonoloba* (L.) Faub. *Crop Science* 15:876-877.

### 1976

Rogers, C.E. and R.E. Stafford. 1976. Budding phenology of guar in the Rolling Plains of Texas. *Agronomy Journal* 68:496-499.

Stafford, R.E., J.I. Kinman, L.E. Brooks and C.R. Lewis. 1976. Registration of crop cultivars. *Crop Science* 6(2):309.

Stafford, R.E., J.S. Kirby, M.L. Kinman and C.R. Lewis. 1976. Registration of Kinman and Esser guar. *Crop Science* 16(20):310.

### 1978

Gerard, C.J. 1978. Root growth along plexiglas surfaces by sugarcane under different soil salinity conditions. *Agronomy Journal* 70:639-643.

### 1979

Johnson, D.A., and R.D. Wilcoxson. 1979. Inheritance of slow rusting of barley infected with *Puccinia hordei* and selection of latent period and number of uredia. *Phytopathology* 69: 145-151.

Kingston, B.D., and L.M. Pike. 1979. Internal fruit structure of warty and non-warty cucumbers (*Cucumis sativus* L.). *HortScience* 14: 544-546.

## **1980**

Gerard, C.J. 1980. Emergence force by cotton seedlings. *Agronomy Journal* 72:473-476.

## **1981**

Johnson, A.B., F.N. Owens, K.L. Mizwicki, and B.R. Wilson. 1981. Abomasal nutrient infusion of steers fed weathered prairie hay. *Journal of Animal Science* 53: 1401-1405.

Stafford, R.E. and C.R. Lewis. 1981. Registration of five guar germplasm lines. *Crop Science* 21:147-148.

## **1982**

Gerard, C.J., P.D. Sexton and G. Shaw. 1982. Physical factors influencing soil strength and root growth. *Agronomy Journal* 74:875-879.

Johnson, A.B., F.N. Owens, and K.L. Mizwicki. 1982. Abomasal protein infusions for growing steers fed corn grain rations. *Journal of Animal Science* 54: 189-195.

Sexton, P.D. and C.J. Gerard. 1982. Emergence force of cotton seedlings as influenced by salinity. *Agronomy Journal* 74:699-702.

Stafford, R.E. 1982. Yield stability of guar breeding lines and cultivars. *Crop Science* 22:1009-1011.

Stafford, R.E. 1982. Effect of honeybees on crossing percentage and pod-set in guar. *Crop Science* 22:1049-1051.

## **1983**

Stafford, R.E., D.T. Ray, D.L. Johnson, and R.K. Thompson. 1983. Five guar germplasm lines. *Crop Science* 23:808.

Stafford, R.E., and T.E. Thompson. 1983. Registration of sunflower parental lines HA 207. *Crop Science* 23:195.

## **1984**

Gerard, C.J., P.D. Sexton and D.M. Conover. 1984. Effect furrow diking, subsoiling and slope

position on crop yields. *Agronomy Journal* 76:945-950.

## **1985**

Ray, D.T. and R.E. Stafford. 1985. Genetic nomenclature in guar. *Crop Science* 25:177-179.

Ray, D.T. and R.E. Stafford. 1985. Registration of 'Santa Crus' Guar. *Crop Science* 25:1124-1125.

Seiler, G.J. and R.E. Stafford. 1985. Factor analysis of components of yield in guar. *Crop Science* 25:905-908.

Stafford, R.E. and D.T. Ray. 1985. Registration of Lewis guar. *Crop Science* 25:365.

## **1986**

Gerard, C.J. 1986. Laboratory experiments on the effects of antecedent moisture content and residue application on structural properties of a fragile soil. *Soil and Tillage Research*. 7:63-74.

Gerard, C.J. and W.D. Worrall. 1986. An automated system for harvesting wheat cultivars grown under a line source sprinkler irrigation system. *Agronomy Journal* 78:348-350.

Stafford, R.E. and G.J. Seiler. 1986. Path coefficient analyses of yield components in guar. *Field Crops Research* 14:171-179.

## **1987**

Bordovsky, D.G. 1987. Effect of irrigation level on yield of pinto dry beans and tenderness after cooking. *HortScience* 22(4):585-586.

Cox, T.S. and W.D. Worrall. 1987. Electrophoretic variation among and within strains of 'Kharkof' wheat maintained at 11 locations. *Euphytica* 36:815-822.

Gerard, C.J. 1987. Laboratory experiments on the effects of antecedent moisture and residue application on aggregation of different soils. *Soil and Tillage Research* 9:21-32.

Porter, K.B., W.D. Worrall, J.H. Gardenhire, E.C. Gilmore, M.E. McDaniel and N.A. Tuleen. 1987. Registration of 'TAM 107' and 'TAM 108' wheat. *Crop Science* 27:818-819.

Stafford, R.E. 1987. Description and breeding behavior of two partial male sterile guar plants. *Plant Breeding* 98:292-296.

Worrall, W.D., E.C. Gilmore and K.B. Porter. 1987. Registration of TX78V2408 and TX78V3630 wheat germplasm lines. *Crop Science* 27:1097-1098.

## 1988

Stafford, R.E. 1988. Inheritance of rosette-raceme in guar. *Crop Science* 28:609-610.

## 1989

Porter, K.B., G.L. Peterson, W.D. Worrall, M.E. McDaniel, N.A. Tuleen, D.S. Marshall and L.R. Nelson. 1989. Registration of TXGH10563B, TXGH10989 and TXGH13622 greenbug-resistant wheat germplasm lines. *Crop Science* 29:1585-1586.

Stafford, R.E. 1989. Derivation of backcross populations in guar using a controlled natural crossing technique. *Guar Res. Ann.* 5:4-7.

Stafford, R.E. 1989. Inheritance of partial male-sterility in guar. *Plant Breeding* 103:43-46.

Stafford, R.E., and G.L. Barker. 1989. Heritability and interrelationships of pod length and seed weight in guar. *Plant Breeding* 103:47-53.

## 1990

Jacoby, P.W., C.H. Meadors and L.E. Clark. 1990. Effects of triclopyr, clopyralid and picloram on growth and production of cotton (*Gossypium hirsutum*). *Journal of Production Agriculture* 3:297-301.

Mathieson, J.T., C.M. Rush, D.G. Bordovsky, L.E. Clark and O.R. Jones. 1990. Effects of tillage on common root rot of wheat in Texas. *Plant Disease* 74:1006-1008.

Richwine, P.A. 1990. Effect of fall planting date on bulb yield of 'sweet winter' onion in the Rolling Plains of Texas. *HortScience* 25: 981.

Scott, R.A., W.D. Worrall and W.A. Frank. 1990. Comparison of three techniques for measuring antibiosis to Russian wheat aphid. *Southwestern Entomologist* 15(4):439-446.

## 1991

Clark, L.E., H.T. Wiedemann, C.J. Gerard and J.R. Martin. 1991. A reduced tillage system with furrow diking for cotton production. *Trans. of the Amer. Soc. Agr. Eng.* 34:1597-1603.

Scott, R.A., W.D. Worrall and W.A. Frank. 1991. Screening for resistance to Russian wheat aphid in triticale. *Crop Science* 31: 32-36.

Worrall, W.D. and R.A. Scott. 1991. Differential reaction of Russian wheat aphid to various small-grain host plants. *Crop Science* 31:312-314.

## **1993**

Beyers, S. J., and S. H. Amosson. 1993. Using spreadsheet compilers in extension computer education. *Amer. Journal Agric. Econ.* 75:1319.

Graybosch, R.A., C.J. Peterson, L.E. Hanson, W.D. Worrall, D.R. Shelton and A. Lukaszewski. 1993. Comparative flour quality and protein characteristics of IBL/IRS and IAL/IRS wheat-rye translocation lines. *J. Cereal Science.* 17:95-106.

Marshall, D.S, J.H. Gardenhire, B.A. Shafer, K.B. Porter, M.D. Lazar, M.E. McDaniel, L.R. Nelson, and W.D. Worrall. 1993. Registration of Tambar 500 barley. *Crop Science* 33: 889-913.

## **1994**

Woodard, H.J., L.R. Hossner, A.B. Onken, L.E. Clark, V.A. Haby, B.W. Hipp, J.E. Matocha, J.E. Mulkey, and R.P. Wiedenfeld. 1994. A preliminary comparison of the ammonium acetate EDTA soil phosphorus extraction method to the Bray 1 and Olsen soil phosphorus extraction methods. *Communications Soil Science Plant Analysis* 25: 2909-2923.

## **1995**

Lazar, M.D., C. D. Salisbury, and W. D. Worrall. 1995. Variation in drought susceptibility among closely related wheat lines. *Field Crops Research* 41: 147-153.

Marshall, D.S, J.H. Gardenhire, R.L. Sutton, L.W. Rooney, M.D. Lazar, M.E. McDaniel, L.R. Nelson, and W.D. Worrall. 1995. Registration of 'TAM 300' wheat. *Crop Science* 35: 593-594.

Worrall, W.D., S.P. Caldwell, D.S. Marshall, M.E. McDaniel, S. Sema-Saldivar, and M.D. Lazar. 1995. Registration of TAM-202 wheat. *Crop Science* 35:1224-1225.

Worrall, W.D., E.C. Gilmore, K.B. Porter, and M.E. McDaniel. 1995. Registration of TAM-200 and TAM-201 wheat. *Crop Science* 35:1224.

Worrall, W.D., K.B. Porter, M.D. Lazar, M.H. Gomez, D.S. Marshall, L.R. Nelson, and M.E.

McDaniel. 1995. Registration of TAM-109 wheat. *Crop Science* 35:1223.

## **1996**

Bevers, S. J., J. E. Slosser, and D. G. Bordovsky. 1996. Yield and income response to planting dates and harvest aid chemicals in Texas cotton production. *Journal of Economic Entomology* 89(2): 343-346.

Clark, L.E., T.R. Moore, and J.L. Barnett. 1996. Response of cotton to cropping and tillage systems in the Texas Rolling Plains. *Journal of Production Agriculture* 9:55-60.

Lazar, M. D., C.D. Salisbury, W.D. Worrall, K.B. Porter, L.W. Rooney, D.S. Marshall, M.E. McDaniel, L.R. Nelson, and N.A. Tuleen. 1996. Registration of seven related wheat germplasms differing in irrigation response. *Crop Science* 36:818-819.

Lazar, M. D., W.D. Worrall, K.B. Porter, and N.A. Tuleen. 1996. Registration of eight closely related wheat germplasm lines differing in biotype E greenbug resistance. *Crop Science* 36:1419.

Pinchak, W.E., W.D. Worrall, S.P. Caldwell, L.J. Hunt, N.J. Worrall and M. Conoly. 1996. Effect of wheat cultivar on forage and cattle production under graze-out management. *Journal of Range Management* 49:126-130.

Wiedemann, H. T., and L.E. Clark. 1996. Chain diking effects on runoff and winter wheat production. *Agronomy Journal* 88: 541-544.

## **1997**

Amosson, S.H., M.L. Waller, J.G. Smith, and S.J. Bevers. 1997. Master Marketer program. *Amer. J. Agric. Econ.* 79: 1738.

Lazar, M.D., W.D. Worrall, G.L. Peterson, K.B. Porter, L.W. Rooney, N.A. Tuleen, D.S. Marshall, M.E. McDaniel, and L.R. Nelson. 1997. Registration of 'TAM 110' wheat. *Crop Science* 37:1978-1979.

## **1998**

Bordovsky, D.G., M. Choudhary and C.J. Gerard. 1998. Tillage effects on grain sorghum and wheat yields in the Texas Rolling Plains. *Agronomy Journal* 90: 638-640.

Marshall, D.S, R.L. Sutton, W.D. Worrall, L.W. Rooney, M.D. Lazar, M.E. McDaniel, L.R. Nelson. 1998. Registration of 'TAM 301' wheat. *Crop Science* 38: 552-553.

## 1999

Bordovsky, D.G., M. Choudhary and C.J. Gerard. 1999. Effect of tillage, cropping, and residue management on soil properties in the Texas Rolling Plains. *Soil Science* 164: 331-340.

Fritz, A.K., S. Caldwell and W.D. Worrall. 1999. Molecular mapping of Russian Wheat Aphid resistance from triticale accession PI 386156. *Crop Science* 39:1707-1710.

Sij, J.W., G. R. Bowers, M. O. Way and D. L. Boykin. 1999. Insect defoliation and population dynamics in blends of resistant and susceptible soybean cultivars. *Agronomy Journal* 91:82-87.

## 2000

Malinowski, D.P., and D.P. Belesky. 2000. Adaptations of endophyte-infected cool-season grasses to environmental stresses: Mechanisms of drought and mineral stress tolerance. *Crop Science* 40:923-940.

## 2001

Choudary, M., and D.G. Bordovsky. 2001. Plant stand density and row configuration effect on production of Texas pinkeye hull cowpea. *Texas Journal of Agriculture and Natural Resources* 14: 104-111.

Dotray, P.A., T.A. Baughman, J.W. Keeling, W.J. Grichar, and R.G. Lemon. 2001. Effect of Imazapic application timing on Texas peanut (*Arachis hypogaea*). *Weed Technology* 15:26-29.

Grichar, W. J., P. A. Dotray, R. G. Lemon, T. A. Baughman, V. B. Langston, and B. Braxton. 2001. Using Strongarm for weed control in Texas peanuts. *Texas Journal of Agriculture and Natural Resources* 14:125-132.

Malinowski, D.P., W.E. Pinchak, T.A. Baughman, and G.D. Antilley. 2001. Effects of herbicide and liquid nitrogen fertilizer application on the establishment of wheatgrass pastures in the Texas Rolling Plains. *Texas Journal of Agriculture and Natural Resources* 14:58-67.

Olson, B.L.S., T.A. Baughman and J.W. Sij. 2001. Grain sorghum desiccation with sodium chlorate and paraquat in the Texas Rolling Plains. *Texas Journal of Agriculture and Natural Resources* 14:80-83.

## 2002

Baughman, T. A., W. J. Grichar, and D. L. Jordan. 2002. Tolerance of Virginia-type peanut to

different application timings of 2,4-DB. *Peanut Science* 29:126-128.

Bordovsky, D.G., M. Choudhary and R.J. Ansley. 2002. Survival of plant species as a function of salinity and slope position. *Texas Journal of Agriculture and Natural Resources* 15: 81-90.

## **2003**

Bennett, B., and S. Bevers. 2003. Developing a comprehensive business planning extension program. *Journal of Extension* 41: 1-10.

Light, G. G., T. A. Baughman, P. A. Dotray, J. W. Keeling, and D. B. Wester. 2003. Yield of glyphosate-tolerant cotton as affected by topical glyphosate applications on the Texas High Plains and Rolling Plains. *Journal of Cotton Science* 7:231-235.

Malinowski, D.P., A.A. Hopkins, W.E. Pinchak, J.W. Sij and R.J. Ansley. 2003. Productivity and survival of defoliated wheatgrasses in the Rolling Plains of Texas. *Agronomy Journal* 95: 614-626.

## **2004**

Hopkins, A.A., D.P. Malinowski, H. Zhang, and D.W. Walker. 2004. Russian wildrye seedlings are sensitive to acidic soil. *Crop Science* 44:2187-2192.

Grichar, W. J., B. A. Besler, T. A. Baughman, P. A. Dotray, R. G. Lemon, and S. A. Senseman. 2004. Cotton response to imazapic and imazethapyr residues following peanut. *Texas Journal of Agriculture and Natural Resources* 17:32-39.

Lazar, M.D., W.D. Worrall, G.L. Peterson, A.K. Fritz, D.S. Marshall, L.R. Nelson, and L.W. Rooney. 2004. Registration of 'TAM 111' wheat. *Crop Science* 44:355-356.

Malinowski, D.P., H. Zuo, D.P. Belesky, and G.A. Alloush. 2004. Evidence for copper binding by extracellular root exudates of tall fescue but not perennial ryegrass infected with *Neotyphodium* spp. endophytes. *Plant and Soil* 267:1-12.

## **2005**

Malinowski, D.P., H. Zuo, B.A. Kramp, J.P. Muir, and W. E. Pinchak. 2005. Obligatory summer-dormant cool-season perennial grasses for semiarid environments of the southern Great Plains. *Agronomy Journal* 97:147-154.

Min, B. R., W. E. Pinchak, J. D. Fulford, and R. Puchalla. 2005. Studies on bloat and in vitro



rumen gas production in cattle grazing winter wheat pasture and its prevention with condensed tannins. *J. Animal Science* 83:1322-1331.

Min, B. R., W. E. Pinchak, J. D. Fulford, and R. Puchalla. 2005. Effect of feed additives on rumen characteristics and frothy bloat dynamics in steers grazing wheat pasture. *Animal Feed Science and Technology* 123-124:614-629.

Muir, J.P., R.L. Reed, and D.P. Malinowski. 2005. Forage and seed of *Strophostyles* species as affected by location and harvest height. *Native Plant J.* 6 (2):123-130.

Sij, J.W., J.P. Ott, B.L.S. Olsen, and T.A. Baughman. 2005. Growth and yield response to simulated hail damage in guar. *Agronomy Journal* 97: 1636-1639.

## 2006

Choudhary, M., and D.G. Bordovsky. 2006. Timing of glyphosate application on control of silverleaf nightshade and glyphosate-resistant cotton yield. *Weed Technology* 20: 198-203.

Malinowski, D.P. and D.P. Belesky. 2006. Ecological importance of *Neotyphodium* spp. grass endophytes in agroecosystems. *Grassland Science* 52:1-14.

Min, B. R., W. E. Pinchak, R.C. Anderson, J. D. Fulford, and R. Puchalla. 2006. The effect of condensed tannins supplementation on in vitro ruminal bacterial growth, frothy bloat dynamics and average daily gain by steers grazing wheat forage. *J. Animal Science* 84: 2546-2554.

Min, B. R., W. E. Pinchak, R.C. Anderson, and M.E. Hume. 2006. In vitro bacterial growth and in vivo rumen microbiota populations associated with potential bloat dynamics in steers grazing winter wheat forage. *J. Animal Science* 84: 2873-2882.

Sij, J.W., B.L.S. Olson, J.P. Ott, and T.A. Baughman. 2006. Stalk persistence of interseeded wheat and rye cover crops treated at two growth stages and six rates of glyphosate. *Texas Journal of Agriculture and Natural Resources* 19:93-101.

Sij, J.W., W.E. Pinchak, J.P. Ott, B. Min, D. Malinowski, and D. Robinson. 2006. Returns mixed on wheat pasture response to N and maintenance P in wheat/stocker systems. *Fluid Journal* 14: 8-10.

## 2007

Malinowski, D.P. W.E. Pinchak, B.A. Kramp, H. Zuo, and T.J. Butler. 2007. Supplemental irrigation and fall dormancy effects on alfalfa productivity in a semiarid, subtropical climate with a bimodal precipitation pattern. *Agronomy Journal* 99:621-629.

Min, B. R., W. E. Pinchak, R.C. Anderson, T. Callaway, and M.E. Hume. 2007. The effect of tannins on the in vitro growth of *Escherichia coli*. O157:H7 and in vivo growth of generic *E. coli* excreted from steers. *J. Food Protection* 70: 543-550.

Min, B. R., W. E. Pinchak, D. Matthews, and J. D. Fulford. 2007. In vitro rumen fermentation and in vivo bloat dynamics of steers grazing winter wheat to corn oil supplementation. *Animal Feed Science and Technology* 133: 192-205.

Olson, B.L.S., J.W. Sij, and T.A. Baughman. 2007. Guar tolerance to postemergence herbicides. *Weed Technology* 21: 523-525.

Sij, J.W., B.L.S. Olson, J.P. Ott, and D.P. Malinowski. 2007. Tolerance of three wheatgrass cultivars to sulfosulfuron herbicide. *Texas Journal of Agriculture and Natural Resources* 20:32-41.

Sij, J.W., W.E. Pinchak, D.P. Malinowski, D.L. Robinson, S.J. Bevers, T.A. Baughman, and R.J. Gill. 2007. Yield and economic responses to phosphorus fertilizer placement in dual-use and grain-only wheat production systems. *Agronomy Journal* 99: 773-778.

## 2008

Batla, M.A., J.E. Woodward, P.A. Dotray, and T.A. Baughman. 2008. Infection of two *Ipomoea* spp. by *Sclerotinia minor*. *Phytopathology* 98(6) suppl: p. S210.

Beslar, B.A., W.J. Grichar, S.A. Senseman, R.G. Lemon, and T.A. Baughman. 2008. Effects of row pattern configurations and reduced (1/2 $\times$ ) and full rates (1 $\times$ ) of imazapic and diclosulam for control of yellow nutsedge (*Cyperus Esculentus*) in peanut. *Weed Technology* 22:558-562.

Clewis, S.B., D.K. Miller, C.H. Koger, T.A. Baughman, A.J. Price, D. Porterfield, and J.W. Wilcut. 2008. Weed management and crop response with glyphosate, s-metolachlor, trifloxysulfuron, prometryn, and MSMA in glyphosate-resistant cotton. *Weed Technology* 22: 160-167.

Grichar, W.J., P.A. Baumann, T.A. Baughman, and J.D. Nerada. 2008. Weed control and bermudagrass tolerance to imazapic plus 2,4-D. *Weed Technology* 22: 97-100.

Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2008. Yellow nutsedge (*Cyperus esculentus*) control and peanut tolerance to s-metolachlor and diclosulam combinations. *Weed Technology* 22: 442-447.

Gutierrez-Bañuelos, H., R.C. Anderson, G.E. Carstens, L.O. Tedeschi, W.E. Pinchak, E. Cabrera-Diaz, N.A. Krueger, T.R. Callaway, and D.J. Nisbet. 2008. Effects of nitroethane and monensin on ruminal fluid fermentation characteristics and nitrocompound-metabolizing bacterial populations. *Journal of Agricultural and Food Chemistry* 56 (12): 4650-4658.

Malinowski, D.P., D.P. Belesky, B.A. Kramp, J. Ruckle, J. Kigel, and W.E. Pinchak. 2008. A method to differentiate summer-dormant from summer-active tall fescue and orchardgrass accessions at germination stage. *Australian J. Agric. Res.* 59:1092–1102.

Min, B. R., W. E. Pinchak, R. Merkel, S. Walker, G. Tomita, and R.C. Anderson. 2008. Comparative antimicrobial activity of tannin extracts from perennial plants on mastitis pathogens. *Scientific Research and Essay* 3: 66-73.

Woodward, J.E., M. A. Batla, P.A. Dotray, T.A. Wheeler, and T. A. Baughman. 2008. Disease Notes: First report of *Sclerotinia minor* infecting *Ipomoea hederacea* and *I. coccinea* in Texas. *Plant Disease* 92: 482.

Woodward, J.E., C. Nui, R. J. Wright, M. A. Batla, and T. A. Baughman. 2008. Disease Notes: First report of *Sclerotinia sclerotiorum* infecting peanut in Texas. *Plant Disease* 92: 1468.

## **2009**

McCorkle, Dean A., Mark L. Waller, Stephen H. Amosson, Stan J. Bevers, Jackie G. Smith. 2009. The economic impact of intensive commodity price risk management education. *Journal of Extension* 47:1-11.