

## **CURRICULUM VITAE**

### **MARK LEE MCFARLAND**

**Regents Fellow, Professor and Extension Specialist  
Texas AgriLife Extension Service  
Department of Soil and Crop Sciences  
College Station, Texas 77843-2474**

#### **Education**

Doctor of Philosophy - 1988; Texas A&M University; Emphasis: Soil Science

Master of Science - 1984; Texas A&M University; Emphasis: Rangeland Reclamation

Bachelor of Science - 1980; Angelo State University; Emphasis: Biology/Chemistry

#### **Research and Education Emphasis**

I conduct applied research and provide educational outreach to agricultural producers, industry groups, agency personnel and the general public concerning nutrient management, water resource management, waste management and disturbed land reclamation. Major emphasis is directed toward the use of best management practices to minimize agricultural nonpoint source pollution and to improve the economic sustainability of agricultural production systems. Significant research and educational program efforts have focused on efficient use of nitrogen and phosphorus in crop production systems, including extensive work on nitrogen management in corn, cotton and forage grasses, and phosphorus management in corn, cotton and grain sorghum. Other work has focused on strategies for the use and management of organic nutrient sources including manures, composts and biosolids, and reclamation of disturbed and contaminated soils impacted by hydrocarbons, heavy metals, and salts.

#### **Experience**

2003 - present: Texas AgriLife Extension Service, College Station, Texas

Professor and Extension Soil Fertility Specialist, and Extension Water Quality Coordinator, Department of Soil and Crop Sciences.

Sept. 1998 - Aug. 2003: Texas Cooperative Extension, College Station, Texas

Associate Professor and Extension Soil Fertility Specialist, and Extension Water Quality Coordinator, Department of Soil and Crop Sciences.

Aug. 1995 - Sept. 1998: Texas Agricultural Extension Service, College Station, Texas

Assistant Professor and Extension Soil Fertility Specialist, and Extension Water Quality Coordinator, Department of Soil and Crop Sciences.

Dec. 1993 - July 1995: Texas Natural Resource Conservation Commission, Austin, Texas

Section Manager, Agriculture and Rural Assistance Division.

June 1992 - Dec. 1993: West Virginia University, Morgantown, West Virginia

Extension Soil and Water Resources Specialist and Assistant Professor of Agronomy (70% Extension, 30% Research/Teaching).

### **Professional Memberships**

Soil Science Society of America (1984 – present)  
American Society of Agronomy (1984 – present)  
Texas Board of Professional Geoscientists (2003 – present)

### **Honors and Awards**

Extension Superior Service Team Award (2011)  
Southern Region Leadership Award (2011)  
Extension Superior Service Team Award (2010)  
Vice Chancellor's Award in Excellence (2009)  
Extension Superior Service Team Award (2009)  
Association of Public Land Grant Universities – Excellence in Extension Award (2009)  
Texas Environmental Excellence Award, team member (2009)  
Regents Fellow Service Award (2008)  
Extension Superior Service Team Award (2008)  
Extension Superior Service Team Award (2007)  
Committee for Shared Leadership - Special Recognition (2004)  
Extension Specialist Departmental Award (2002)  
Sigma Xi Scientific Research Society (1997)  
EPA Region VI Administrators Environmental Excellence Award (1996)  
Governor's Environmental Excellence Award - (1995)  
Excellence in Extension - Water Quality, Texas Agricultural Extension Service (1992)  
Alpha Chi Omega (1979)

### **Refereed Publications: Senior Author (7), Co-Author (12)**

Borisova, T., M. Smolen, D. Boellstorff, M.L. McFarland, D. Adams, B. Mahler. 2012. Public preferences for water resource topics and information sources in the Southern Region. *Journal of Extension*. (in review)

Borisova, T., D. Adams, A. Flores-Lagunes, R. Mahler, D.E. Boellstorff, M.L. McFarland, M. Smolen and C. Gardner. 2011. Participation in volunteer-driven programs and its effects on homeowner's landscaping practices. *Journal of Extension*. 10223RIB

Muir, J.P., T. Butler, T.J. Helton, and M.L. McFarland. 2010. Dairy manure compost application rate and timing influence bermudagrass yield and nutrient concentration. *Crop Science*. 50:2133-2139.

Helton, T.J., T.J. Butler, M.L. McFarland, F.M. Hons, S. Mukhtar, and P. Muir. 2008. Effects of Dairy Manure Compost and Supplemental Inorganic Fertilizer on Coastal Bermudagrass. *Agron. J.* 100:924-930.

Mukhtar, S., M.L. McFarland and C.A. Wagner. 2008. Runoff and Water Quality from Inorganic Fertilizer and Erosion Control Compost Treatments on Roadway Sideslopes. *Transactions of the ASABE* 51(3):927-936.

Wright, A.L., F.M. Hons, R.G. Lemon, M.L. McFarland, and R.L. Nichols. 2007. Microbial Activity and Soil C Sequestration for Reduced and Conventional Tillage Cotton. *Applied Soil Ecology*. 38:168-173.

- Wright, A.L. F.M. Hons, R.G. Lemon, M.L. McFarland, and R.L. Nichols. 2007. Stratification of Nutrients in Soil for Different Tillage Regimes and Cotton Rotations. *Soil and Tillage Res.* 96:19-27.
- Grichar, W.J., J.D. Nerada and M.L. McFarland. 2003. Response of coastal bermudagrass to gypsum applications. *Texas Journal of Agriculture and Natural Resources.* 15:15-22.
- Grichar, W.J., B.A. Besler, A.J. Jaks, K.D. Brewer and M.L. McFarland. 2001. Use of Agricultural and Power Plant By-Product Gypsum for South Texas Potato Production. *Texas J. Sci.* Vol. 13.
- Monks, C.D., M.L. McFarland, J. Hatton, S. Poland, and T. Basden. 1997. Cover crop response to late-season planting and nitrogen application. *J. Production Ag.* 10:289-293.
- Monks, C.D., W.K. Vincill, J.P. Hatton, M.L. McFarland and D.P. Dalaney. 1997. Effect of glyphosate, imazameth, nicosulfuron and primisulfuron on johnsongrass (*Sorghum halepense* (L.)) regrowth the following year. *Weed Tech.*
- McFarland, M.L., D.N. Ueckert, F.M. Hons, and S. Hartmann. 1994. Selective placement burial of drilling fluids: Effects on soil properties, buffalograss and fourwing saltbush after four years. *J. Range Management.* 47:475-480.
- McFarland, M.L., D.N. Ueckert, and F.M. Hons. 1992. Selective-placement burial of drilling fluids in west Texas: I. Effects on soil chemical properties. *J. Environ. Qual.* 21:135-139.
- McFarland, M.L., D.N. Ueckert, and F.M. Hons. 1992. Selective-placement burial of drilling fluids in west Texas: II. Effects on plant growth and chemical composition. *Environ. Qual.* 21:140-144.
- McFarland, M.L. and F.M. Hons. 1989. Effects of furrow diking and tillage on corn grain yield and nitrogen accumulation. *Agron. J.* 83:382-386.
- McFarland, M.L., F.M. Hons and R.G. Lemon. 1989. Effects of tillage and cropping sequence on soil physical properties. *Soil and Tillage Res.* 17:77-86.
- McFarland, M.L., D.N. Ueckert and S. Hartmann. 1989. Transplanting shrubs for revegetation of salt-affected soils in western Texas. *Landscape and Urban Planning.* 19:377-381.
- McFarland, M.L., D.N. Ueckert, and S. Hartmann. 1987. Revegetation of oil well reserve pits in West Texas. *J. Range Management.* 40:122-127.
- Potter, R.L., D.N. Ueckert, J.L. Petersen, and M.L. McFarland. 1986. Germination of fourwing saltbush seeds: Interaction of temperature, osmotic potential, and pH. *J. Range Management.* 39:43-46.

#### **Extension Publications (104)**

- Boellstorff, D.E., K.A. Uhlman, M.L. McFarland and J.W. Smith. 2011. Private Drinking Water Well Basics. Factsheet, 2 pp.
- McCorkle, D. and M.L. McFarland. 2011. Managing nitrogen costs and protecting water resources. MKT-3558AM. Texas AgriLife Extension Service, College Station, Texas.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Waste Utilization. SP-403. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Waste Storage Facility. SP-404. Texas AgriLife Extension Service, College Station, TX.

- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Filter Strips. SP-405. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Heavy Use Area Protection. SP-406. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Water Harvesting Catchment. SP-407. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Livestock Shade Structure. SP-408. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Access Control. SP-409. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Building Location. SP-410. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Fence. SP-411. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Watering Facility. SP-412. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Feed, Salt and/or Mineral Locations. SP-413. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Roof Runoff Structure. SP-414. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Prescribed Grazing. SP-415. Texas AgriLife Extension Service, College Station, TX.
- Peterson, J.L., L.A. Redmon, and M.L. McFarland. 2011. Reducing Bacteria with Best Management Practices for Livestock: Stream Crossing. SP-416. Texas AgriLife Extension Service, College Station, TX.
- Redmon, L. and M.L. McFarland. 2011. Preparing for the next drought. Texas AgriLife Extension Service. College Station, Texas.
- Timmons, J. J.C. Cathey, N. Dictson, and M.L. McFarland. 2011. Feral hogs and water quality in Plum Creek. Texas AgriLife Extension Service. College Station, Texas.
- Timmons, J. J.C. Cathey, N. Dictson, and M.L. McFarland. 2011. Feral hogs impact ground-nesting birds. Texas AgriLife Extension Service. College Station, Texas.
- Timmons, J. J.C. Cathey, N. Dictson, and M.L. McFarland. 2011. Feral hogs laws and regulations in Texas. Texas AgriLife Extension Service. College Station, Texas.

- Timmons, J. J.C. Cathey, N. Dictson, and M.L. McFarland. 2011. Feral hog transportation regulations. Texas AgriLife Extension Service. College Station, Texas.
- Timmons, J. J.C. Cathey, N. Dictson, and M.L. McFarland. 2011. Feral hogs and disease concerns. Texas AgriLife Extension Service. College Station, Texas.
- Young, M., D. Fromme, M.L. McFarland and S. Klose. 2011. Deep soil testing offers potential to reduce fertilizer costs. Farm Assistance Focus 2011-13. Texas AgriLife Extension Service, College Station, Texas.
- Uhlman, K.A., D.E. Boellstorff and M.L. McFarland. 2011. Well Owner Drought Response. Texas AgriLife Extension Service. 1 p.
- Uhlman, K.A., D.E. Boellstorff, M.L. McFarland and J.W. Smith. 2011. Facts about Fracking . . . . and Your Drinking Water Well. 4 pp.
- Boellstorff, D.E., M.L. McFarland, and C.T. Boleman. 2010. Water Issues in Texas. A Survey of Public Perceptions and Attitudes About Water. Texas AgriLife Extension Service, College Station, Texas. B-6219.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Recognizing Feral Hog Sign. Extension Publication L-5523.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Snaring Feral Hogs. Extension Publication L-5528.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Building a Feral Hog Snare. Extension Publication L-5529.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Box Traps for Capturing Feral Hogs. Extension Publication L-5525.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Corral Traps for Capturing Feral Hogs. Extension Publication L-5524.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Door Modifications for Feral Hog Traps. Extension Publication L-5527.
- Lewis, C., Berg, M., Dictson, N., Gallagher, J., McFarland, M., and James C. Cathey. 2010. Placing and Baiting Feral Hog Traps. Extension Publication L-5526.
- McCorkle, D., M.L. McFarland, R. Boman, T. Baughman, D. Fromme and G. Morgan. 2010. Managing Nitrogen Costs and Protecting Water Resources. Economic Impact Brief. Texas AgriLife Extension Service, College Station, Texas.
- McCorkle, D., M.L. McFarland, T. Provin and D. Coker. 2010. Rio Grande Valley Nutrient Management Education Program. Economic Impact Brief. Texas AgriLife Extension Service, College Station, Texas.
- McCorkle, D. M.L. McFarland, and N. Dictson. 2010. Protecting the Plum Creek Watershed. Economic Impact Brief. Texas AgriLife Extension Service, College Station, Texas.
- Timmons, J., Rattan, J., Campbell, T., Long, D., Higginbotham, B., Campion, D., McFarland, M., Dictson, N., and J.C. Cathey. 2010. Using Fences to Exclude Feral Hogs from Wildlife Feeding Stations. Texas AgriLife Extension Service, College Station, Texas.
- Berg, M., McFarland, M., and N. Dictson. 2009. The Plum Creek Watershed: Your Water, Your Home. Publication SCS-2009-15. Texas AgriLife Extension Service, College Station, Texas.
- Dictson, N. J., W. Ling, and M.L. McFarland. 2009. Geronimo and Alligator Creeks Watershed Partnership Fact Sheet. Texas AgriLife Extension Service, College Station, Texas.
- Lemon, R., R. Boman, M. McFarland, B. Bean, T. Provin and F. Hons. 2009. Nitrogen Management in Cotton. SCS-2009-1. Texas AgriLife Extension. College Station, TX.s.

- Bean, B. and M.L. McFarland. 2008. Getting the Most Our of Your Nitrogen Fertilization In Corn. Texas AgriLife Extension Service. Amarillo, Texas. Panhandle Extra. Vol. 10, Issue 1.
- Berg, M., M. McFarland, and N. Dictson. 2008. The Plum Creek Watershed: Your Water, Your Home. For the Plum Creek Watershed Partnership, Texas AgriLife Extension Service, College Station, Texas.
- Provin, T.L., S.E. Feagley, J.L. Pitt, and M.L. McFarland. 2008. Soil Testing Following Flooding, Overland Flow of Waste Waters and other Freshwater Related Disasters. Texas AgriLife Extension Service. College Station, Texas. SCS-2008-07.
- Provin, T.L., M.L. McFarland, S.E. Feagely, and L. Redmon. 2008. Pasture and Soil Management Following Tidal Saltwater Intrusion. Texas AgriLife Extension Service. College Station, Texas. SCS-2008-06.
- Berg, M., M.L. McFarland, and N. Dictson. 2007. Plum Creek Watershed Protection Plan. 153 pp. Texas AgriLife Extension Service. College Station, Texas.
- Dictson, N. J., M. Berg, and M.L. McFarland. 2007. Plum Creek Watershed Partnership Fact Sheet. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L., S.E. Feagley, and T.L. Provin. 2007. Land Application of Drilling Fluids: Landowner Considerations. Texas AgriLife Extension Service, College Station, Texas.
- Osmond, D.L., M.L. McFarland, R. Koenig, and D. Beegle. 2007. Phosphorus Management within Multi-state Watersheds. SERA-17. Watershed Management and Policy.
- Peterson, J.L., M.L. McFarland, N. Dictson, D. Boellstorff, and M. Berg. 2007. Texas Watershed Steward Handbook: A Water Resource Training Curriculum. Publication B-6203. 138 pp. Texas AgriLife Extension Service, College Station, Texas.
- Peterson, J., M. McFarland, N. Dictson, D. Boellstorff, M. Berg. 2007. Texas Watershed Steward Program Fact Sheet. Texas AgriLife Extension Service, College Station, Texas.
- Stichler, C., A. Abrameit and M. L. McFarland. 2006. Best Management Practices for Conservation/ Reduced Tillage. Publication B-6189. Texas Cooperative Extension. College Station, Texas.
- Dozier, M and M.L. McFarland. 2006. Drinking Water Standards. Publication B-6186. Texas Cooperative Extension. College Station, Texas.
- Dozier, M. and M.L. McFarland. 2006. Estandares del agua potable. Publication B-6186S. Texas Cooperative Extension. College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2006. Southern Region Water Quality Coordination Project Impact Report. Texas Cooperative Extension, College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2006. CSREES National Integrated Water Quality Program Impact Report. Texas Cooperative Extension, College Station, Texas.
- McFarland, M.L., F.J. Mazac, A. Abrameit, and R. Leps. 2006. Effects of Nitrogen Rate on Yield and Quality of Tifton 85 Bermudagrass, 2001-2005. Stiles Farm Report. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L., R.G. Lemon, F.J. Mazac, A. Abrameit, R. Leps, J. Pigg, and D. Mott. 2006. Effects of Humic Acid Application on Corn, Cotton, and Improved Bermudagrass. Stiles Farm Report. Texas Cooperative Extension. College Station, Texas.
- Helton, T.J., M.L. McFarland, F.M. Hons, J.P. Muir, and S. Mukhtar. 2006. In: Nutrient Management in the Southern Region. R. Mylavarapu (ed.) E-Publication: 1:2. January 2006.

- Lemon, R. and M. L. McFarland. 2005. Premature Senescence Syndrome. SCS.-2005-23. Texas Cooperative Extension, College Station, Texas.
- Dictson, N., M.L. McFarland, D.E. Boellstorff and C. Gerngross. 2005. The Texas Watershed Steward Program. Texas Cooperative Extension. College Station, Texas.
- Provin, T.L., S.E. Feagley, J.L. Pitt, and M.L. McFarland. 2005. Soil Testing Following Flooding, Overland Flow of Waste Waters and Other Water Related Disasters. Texas Cooperative Extension. College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2005. Southern Region Water Quality Coordination Project Impact Report. Texas Cooperative Extension, College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2005. CSREES National Integrated Water Quality Program Impact Report. Texas Cooperative Extension, College Station, Texas.
- Hons, F.M., M.L. McFarland, R.G. Lemon, T. Provin and R. Nichols. 2005. Improving the Efficiency of Nitrogen Management in Cotton. In: Nutrient Management in the Southern Region. E-Newsletter: 1:1. April 2005. R. Mylavarapu (ed.).
- McFarland, M.L., M.C. Dozier, and R.C. Runyan. 2005. Emergency Factsheet for Disinfecting Water Wells by Shock Chlorination. Texas Cooperative Extension, College Station, Texas.
- McFarland, M.L., M.C. Dozier, and R.C. Runyan. 2005. Emergency Factsheet for Tratando Pozos con Cloro. Texas Cooperative Extension, College Station, Texas.
- Dozier, M.C. and M.L. McFarland. 2005. Emergency Factsheet for Tratando Agua Almacenada con Cloro. Texas Cooperative Extension, College Station, Texas.
- Dozier, M.C. and M.L. McFarland. 2005. Emergency Factsheet for Shock Chlorination of Stored Water Supplies. Texas Cooperative Extension, College Station, Texas.
- McFarland, M.L., D.E. Boellstorff, T.L. Provin, M.C. Dozier and N.J. Dictson. 2005. What You Should Do If Your Water Well Has Been Flooded. Texas Cooperative Extension, College Station, Texas.
- F.M. Hons, M.L. McFarland, R.G. Lemon, R.L. Nichols, R.K. Boman, V.A. Saladino, F.J. Mazac, Jr., R.L. Jahn, and J.R. Stapper. 2004. Managing Nitrogen Fertilization in Cotton. L-5458. Texas Cooperative Extension, College Station, Texas.
- Dozier, M.C. and M.L. McFarland. 2004. Drinking Water Problems: Lead. L-5452. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L. and M.C. Dozier. 2004. Drinking Water Problems: Iron and Manganese. L-5451. Texas Cooperative Extension. College Station, Texas.
- Dozier, M.C. and M.L. McFarland. 2004. Solving Water Quality Problems in the Home. L-5450. Texas Cooperative Extension. College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2004. Southern Region Water Quality Coordination Project Impact Report. Texas Cooperative Extension, College Station, Texas.
- Boellstorff, D.E. and M.L. McFarland. 2004. CSREES National Integrated Water Quality Program Impact Report. 12-04. Texas Cooperative Extension, College Station, Texas.
- Grichar, W.J., J.D. Nerada, M.L. McFarland and L. Nickel. 2003. Response of Coastal Bermudagrass to Gypsum Applications. CTR 2003-1. Texas Agricultural Experiment Station, Beeville, Texas.
- Gerngross, C.A., M.L. McFarland and W.H. Thompson. 2003. Compost Sampling Guidelines. Texas Cooperative Extension. College Station, Texas.

- McFarland, M.L., M.C. Dozier, and R.C. Runyan. 2003. Shock Chlorination of Wells. L-5441. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L., M.C. Dozier, and R.C. Runyan. 2003. Tratando pozos con cloro. L-5441S. Texas Cooperative Extension. College Station, Texas.
- Dozier, M.C. and M.L. McFarland. 2003. Solving Water Quality Problems in the Home. L-5450. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L. and M.C. Dozier. 2003. Como resolver los problemas sobre la calidad del agua en el hogar. L-5450S. Texas Cooperative Extension. College Station, Texas.
- Haby, V.A., M.L. McFarland, and L. Redmon. 2002. Soil Acidity and Liming. Texas Agricultural Experiment Station/Texas Agricultural Extension Service. Exp. Sta. Bul. No. 1970. College Station, Texas.
- McFarland, M.L. and D. Boellstorff. 2002. Nutrient and Pesticide Management in the Southern Region. Texas Cooperative Extension. College Station, Texas.
- Boellstorff, D. and M.L. McFarland. 2002. Watershed Management in the Southern Region. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L. and D. Boellstorff. 2002. The Southern Region Water Quality Coordination Project. Texas Cooperative Extension. College Station, Texas.
- Boellstorff, D. and M.L. McFarland. 2002. The Southern Region Water Quality Information System. Texas Cooperative Extension. College Station, Texas.
- McFarland, M.L. and R.G. Lemon. 2002. Irrigation Water Quality: Critical Levels for Peanuts, Cotton, Corn and Grain Sorghum. L-5417. Texas Cooperative Extension. College Station, Texas.
- Livingston, S.D., M.L. McFarland and C. Stichler. 2002. Correcting Iron Deficiencies in Grain Sorghum. L-5155. Texas Cooperative Extension. College Station, Texas.
- Espinosa, L.A., C.R. Stichler and M.L. McFarland. 2001. Crop Reference Manual for the Lower Rio Grande Valley. Texas Cooperative Extension. College Station, Texas.
- Espinosa, L.A., M. L. McFarland and C.R. Stichler. 2001. Phosphorus and Crop Production. Texas Cooperative Extension. College Station, Texas.
- Espinosa, L.A., M.L. McFarland and C.R. Stichler. 2001. Nitrogen and Crop Production. Texas Cooperative Extension. College Station, Texas.
- Grichar, W. J., B.A. Besler, A.J. Jaks, K.D. Brewer and M.L. McFarland. 2000. Comparison of Agricultural and Power Plant By-Product Gypsum for South Texas Potato Production. CTR-20-02. Texas Agricultural Experiment Station, Yoakum, Texas.
- Feagley, S., M.L. McFarland and T. Provin. 2000. Nutrient Management Planning Certification Workbook. SCS-01. Texas Agricultural Extension Service, College Station, Texas.
- McFarland, M.L. and M.C. Dozier. 2000. Typical Water Quality Problems and Treatment Alternatives. SCS-02. Texas Agricultural Extension Service, College Station, Texas.
- McFarland, M.L. and Tony Provin. 1999. Hydrogen Sulfide in Drinking Water - Causes and Treatment Alternatives. L-5312. Texas Agricultural Extension Service, College Station, Texas.
- McFarland, M.L. and W.R. English. 1999. The Role of Extension in the Clean Water Action Plan. Southern Perspectives. Southern Rural Development Center. Mississippi State, Miss. Vol. 3, No. 3.
- McFarland, M.L. 1999. The Lake Fork Creek Hydrologic Unit Project. Misc. Pub. Texas Agricultural Extension Service, College Station, Texas.

- McFarland, M.L. 1999. The Seymour Aquifer Hydrologic Unit Project. Misc. Pub. Texas Agricultural Extension Service. College Station, Texas.
- McFarland, M.L. 1999. Typical Water Contaminants and Problems: Iron and Manganese. Texas Agricultural Extension Service, College Station, Texas.
- McFarland, M.L. and R.G. Lemon. 1998. Irrigation Water Quality - Critical Salt Levels for Irrigation of Peanuts, Cotton, Corn and Grain Sorghum. SCS-1998-02. Texas Agricultural Extension Service. College Station, Texas.
- McFarland, M.L., R.G. Lemon and C. Stichler. 1998. Non-Traditional Soil Additives - Can They Improve Crop Production? L-5302. Texas Agricultural Extension Service. College Station, Texas.
- McFarland, M.L., T.L. Provin and S.E. Feagley. 1997. Managing crop nutrients through soil, manure and effluent testing. L-5175. Texas Agricultural Extension Service, College Station, Texas.
- Stichler, C., M. L. McFarland and C.Coffman. 1997. Irrigated and dryland grain sorghum production in south and southwest Texas. B-6048. Texas Agricultural Extension Service, College Station, Texas.
- Stichler, C. and M.L. McFarland. 1997. Crop nutrient needs in south and southwest Texas. B-6053. Texas Agricultural Extension Service, College Station, Texas.

### **Abstracts and Proceedings (83)**

- Boellstorff, D.E., K.A. Uhlman, M.L. McFarland, B. Clayton, J.W. Smith and B. VanDelist. 2011. A Texas Well Owner Network to Safeguard Private Well and Aquifer Integrity. Platform Presentation, 2011 Private Well Symposium. Southbury, Massachusetts.
- Boellstorff, D.E., M.L. McFarland, C.T. Boleman, and R. Mahler. 2011. Attitudes and Behavior toward Water Resources in Texas. Platform Presentation, Southern Region Water Conference. Athens, Georgia.
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### **Financial Support of Research and Education Programs (\$23,075,740)**

#### 2011 - \$1,777,398

- USDA CSREES (406 National Integrated Water Program): \$1,340,000
- Texas State Soil and Water Conservation Board: \$417,398
- United Sorghum Checkoff Program: \$20,000

#### 2010 - \$1,865,049

- USDA CSREES (406 National Integrated Water Program): \$1,340,000
- USDA CSREES (Special Grant): \$6,000
- Texas State Soil and Water Conservation Board: \$474,627
- Texas Commission on Environmental Quality: \$20,779
- Texas Cotton State Support Committee: \$15,147
- Texas Water Resources Institute: \$29,275

#### 2009 - \$1,581,006

- USDA CSREES (406 National Integrated Water Program): \$1,270,000
- USDA CSREES (Special Grant): \$6,000
- Texas State Soil and Water Conservation Board: \$247,711
- Texas Water Resources Institute: \$37,295

Texas Cotton State Support Committee: \$20,000

2008 - \$1,826,892

USDA CSREES (406 National Integrated Water Program): \$1,250,000

USDA CSREES (Special Grant): \$35,000

USDA CSREES (Rio Grande Basin Initiative): \$10,000

Texas State Soil and Water Conservation Board: \$464,892

Texas Water Resources Institute: \$20,000

Texas Cotton State Support Committee: \$20,000

Cotton Incorporated: \$27,000

2007 - \$1,862,403

USDA CSREES (406 National Integrated Water Program): \$1,245,000

USDA CSREES (Special Grant): \$21,000

USDA CSREES (Rio Grande Basin Initiative): \$10,000

Texas State Soil and Water Conservation Board: \$520,000

Texas Commission on Environmental Quality: \$20,779

Texas Cotton State Support Committee: \$15,624

2006 - \$2,007,919

USDA CSREES (406 National Integrated Water Program): \$1,238,490

USDA CSREES (Special Grant): \$20,388

USDA CSREES (Rio Grande Basin Initiative): \$24,000

Texas State Soil and Water Conservation Board, CWA 319(h): \$329,958

Texas State Soil and Water Conservation Board, CWA 319(h): \$380,083

Texas Cotton State Support Committee: \$15,000

2005 - \$1,930,777

USDA CSREES (406 National Integrated Water Program): \$1,251,000

USDA CSREES (Special Grant): \$22,736

USDA CSREES (406 National Integrated Water Program): \$275,000

USDA CSREES (Rio Grande Basin Initiative): \$24,000

Texas State Soil and Water Conservation Board, CWA 319(h): \$358,041

2004 - \$2,159,272

USDA CSREES (406 National Integrated Water Program): \$1,251,000

USDA CSREES (Special Grant): \$21,052

USDA CSREES (Rio Grande Basin Initiative): \$24,000

Texas State Soil and Water Conservation Board, CWA 319(h): \$440,000

Texas State Soil and Water Conservation Board, CWA 319(h): \$393,220

Texas Cotton State Support Committee: \$30,000

2003 - \$1,649,014

USDA CSREES (406 National Integrated Water Program): \$1,299,930

USDA CSREES (406 National Integrated Water Program): \$275,000

USDA CSREES (Rio Grande Basin Initiative): \$39,000

Texas Cotton State Support Committee: \$21,584

Texas Cattle Feeders Association: \$13,500

2002 - \$2,379,300

USDA CSREES (406 National Integrated Water Program): \$1,299,991

USDA CSREES (Rio Grande Basin Initiative): \$25,587

Texas Commission on Environmental Quality, CWA 319(h): \$824,094  
Texas State Soil and Water Conservation Board, CWA 319(h): \$203,178  
Texas Cotton State Support Committee: \$21,450  
Soil and Water Conservation Fund: \$5,000

2001 - \$1,100,888

USDA-CSREES (406 Integrated Water Quality Grants): \$1,040,000  
Biotec, International: \$28,688  
State Soil and Water Conservation Fund: \$16,700  
National Peanut Council: \$15,500

2000 - \$1,085,343

USDA-CSREES (406 Integrated Water Quality Grants): \$1,040,000  
Texas Cotton State Support Committee: \$28,943  
State Soil and Water Conservation Fund: \$6,700  
State Soil and Water Conservation Fund: \$9,700

1999 - \$378,367

USDA-CSREES: \$335,614  
Texas State Support Committee: \$15,000  
Lower Colorado River Authority: \$12,000  
State Soil and Water Conservation Fund: \$7,253  
USDA-NRCS (EQIP Program): \$5,500  
TAEX Internal Education Grant: \$3,000

1998 - \$406,284

USDA-CSREES (Water Quality Program): \$22,500  
USDA-CSREES (Water Quality Program): \$22,500  
Texas State Soil and Water Conservation Board (CWA 319): \$309,659  
Texas State Support Committee: \$15,000  
USDA-NRCS (EQIP Grant Program): \$3,000  
USDA-NRCS (EQIP Grant Program): \$1,125  
USDA-NRCS (EQIP Grant Program): \$4,500  
Lower Colorado River Authority: \$12,000  
Elgin Vegetative Project: \$1,000  
Boral, Inc.: \$12,000  
TAEX Internal Education Grant: \$3,000

1997 - \$383,232

USDA-CSREES (Water Quality Program): \$45,000  
USDA-CSREES (Water Quality Program): \$45,000  
USDA-CSREES (Water Quality Program): \$45,000  
USDA-CSREES (Water Quality Program): \$120,000  
Texas State Support Committee: \$15,000  
Texas State Support Committee: \$21,262  
Cozinco, Inc.: 3,000  
General Land Office (Coastal Zone Management Program): \$31,970  
Texas Natural Resource Conservation Commission: \$30,000  
TAEX Internal Education Grants (4): \$26,000  
Elgin Vegetative Project: \$1,000

1996 - \$682,596

USDA-CSREES (Water Quality Program): \$60,000

USDA-CSREES (Water Quality Program): \$60,000

USDA-CSREES (Water Quality Program): \$60,000

USDA-CSREES (Water Quality Program): \$120,000

Lower Colorado River Authority: \$31,096

Texas State Soil and Water Conservation Board (CWA 319 Grant): \$348,000

Texas Water Resources Institute: \$1,500

Potash and Phosphate Institute: \$2000