

LAWRENCE MARK RISSE

Education

Ph.D. in Agricultural Engineering, Purdue University, May 1994.

M.S. in Agricultural Engineering, University of Georgia, March 1989.

B.S. in Agricultural Engineering, University of Georgia, March 1987.

Employment

Professor, Biological and Agricultural Engineering, University of Georgia, July 2006-present.

Associate Professor, Biological and Agricultural Engineering, University of Georgia, April 1999-July 2006.

Public Service Assistant, University of Georgia, Serve as State Extension Specialist in Agricultural Pollution Prevention. December 1994 to April 1999.

Agricultural Engineer, USDA-ARS National Soil Erosion Research Laboratory. January 1992 to November 1994.

Research Engineer II, University of Georgia. September 1989 to December 1991.

Engineer, Hill-Fister Engineering Corp. Athens, GA. January 1989 to July 1989.

Research Assistant, University of Georgia. January 1987 to January 1989.

Hydrologic Technician, United States Geological Survey, Atlanta, GA, Summer 1986.

Professional Societies

ASAE, National Association of County Agents, Soil and Water Conservation Society

Serve on five National Committees for ASAE and more than ten State-level committees

Past President of Georgia Section ASAE and Georgia SWCS

Editor for Transactions of the ASAE, Soil and Water Division

Awards

2009 Barnard Hill Award for Distinguished Public Service and Outreach

2003 Georgia Engineer of the Year

2001 Nolan Mitchell Young Extension Specialist of the Year from ASAE

1999 Hammer Award presented to Farm*A*Syst from Vice President Al Gore

1999 "Working together for Rural America" Award from the U.S. Forest Service

1998 ASAE Blue Ribbon Educational Awards for AWARE team

1997 Superior ASAE Paper Award in *Transactions of the ASAE*

1997 Outstanding Young Extension Professional (State Staff) from Georgia Association of County Agricultural Agents

Contributions to Service

Developed and Lead Agricultural Pollution Prevention Program. Dr. Risse has developed and implemented a comprehensive agricultural pollution prevention program for the State of Georgia. This program provides technical assistance and applied research to stakeholders throughout the State. Through his partnership with the State's Pollution Prevention Assistance Division, he has been able to establish a program that an EPA region 4 official recently referred to as a model for the Southeastern United States.

UGA College of Agricultural and Environmental Sciences Water Quality Coordinator. Dr. Risse coordinates College activities for the USDA Southern Region 406b Water Quality Program for Georgia. This program provides training and outreach in water quality to agents, professionals and concerned citizens throughout the State. As part of the program, Dr. Risse enables coordination between State agencies within Georgia and with other land grant Universities in other States within the the region.

AWARE team founder and leadership. Dr. Risse has been instrumental in establishing the AWARE team (Animal Waste Awareness in Research and Extension) at the University of Georgia. This interdisciplinary team serves as the clearinghouse for information and activities on animal waste management in Georgia. As part of this team, Dr. Risse edits a quarterly newsletter, has established a Statewide list serve and webpage, organizes an annual tour of farms and conference, and has provided input to state regulatory agencies.

Publications

1 book edited, 3 book chapters, 32 journal articles, 42 Extension bulletins, 172 abstracts or Convention Papers

Recent Research Publications:

- Centner, T.J., C.L. Presley Fowler, L.M. Risse, M.E. Wetzstein, and J.D. Mullen, 2007. Implementing Environmental Management Systems to Protect Water Quality from Animal Waste Nutrients. *Environmental Research Journal* 1(3/4): 333-344.
- Faucette, L.B., L.M. Risse, C.F. Jordan, M. Cabrera, D.C. Coleman, and L.T. West, 2006. Vegetation and Soil Quality Effects from Hydroseed and Compost Blankets Used for Erosion Control in Construction Activities. *Journal of Soil and Water Conservation*, 61(6):355-362.
- Faucette, L.B., C.F. Jordan, L.M. Risse, M. Cabrera, D.C. Coleman, and L.T. West, 2005. Evaluation of Storm Water from Compost and Conventional Erosion Control Practices in Construction Activities. *Journal of Soil and Water Conservation* 60(6):288-297.
- Lin, Z., D.E. Radcliffe, M.B. Beck, and L.M. Risse, 2007. Modeling Phosphorus in the Upper Etowah Basin: Identifying sources under uncertainty. *Water Science and Technology* 56(6): 29-37.
- Lin, Z., D.E. Radcliffe, L.M. Risse, J.J. Romeis, and C.R. Jackson, 2009. Modeling Phosphorus in the Lake Allatoona Watershed Using SWAT: II. Effect of Land Use Change. *Journal of Environmental Quality* 38:121-129
- Radcliffe, D.E., Z. Lin, L.M. Risse, J.J. Romeis, and C.R. Jackson, 2009. Modeling Phosphorus in the Lake Allatoona Watershed Using SWAT: I. Developing Phosphorus Parameter Values. *Journal of Environmental Quality* 38:111-120.
- Risse, L.M., S. Thompson, J. Governo, and K. Harris, 2008. Evaluation of SiltSaver BSRF. *Journal of Soil and Water Conservation* 63(5):265-273.
- Singh, K., L.M. Risse, K.C. Das and J. Worley, 2008. Effect Of Fractionation On Fuel Properties Of Poultry Litter. *Applied Engineering in Agriculture* 24(3):1-5.
- Singh, K., L.M. Risse, and J. Worley, 2007. Sludge Measurement Using Global Positioning System (Gps) Enabled Sonar Equipped Airboat in a Lagoon. *Applied Engineering in Agriculture*.24(5):603-609.
- Singh, K., L.M. Risse, and J. Worley, 2009. Determination Of Composition Of Cellulose And Lignin Mixtures Using Thermo Gravimetric Analysis. *Journal of Energy Resources Technology* 131(2).
- Zhu, X., and L.M. Risse, 2009. Field Investigation of Compost Blankets for Erosion Control Under Concentrated Flow Conditions. *Transactions of the ASABE* 52(1):81-91.

Recent Extension Publications:

- Kissel, D.E., L.M. Risse, L. Sonon, and G. Harris, 2008. Calculating the Fertilizer Value of Broiler Litter, UGA Extension Bulletin C 933 / November 2008. <http://pubs.caes.uga.edu/caespubs/pubcd/C933/C933.htm>
- Risse, L.M., T.M. Bass, and C.W. Ritz, 2005. A review of Georgia's Animal Feeding Operation Regulations. University of Georgia Cooperative Extension Bulletin Number 1257. <http://pubs.caes.uga.edu/caespubs/pubcd/B1257.htm>
- Risse, L.M. and H. Smith Tanner, 2004. Watershed Assessment in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-1. <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-1.pdf>
- Risse, L.M. and H. Smith Tanner, 2004. TMDLs in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-2 <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-2.pdf>
- Risse, L.M. and H. Smith Tanner, 2004. Water Quality Standards in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-3. <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-3.pdf>
- Risse, L.M. and H. Smith Tanner, 2004. Drinking Water Protection in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-5. <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-5.pdf>
- Risse, L.M. and H. Smith Tanner, 2004. Urban Stormwater Management in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-6. <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-6.pdf>
- Risse, L.M., T.M. Bass, and C. Ritz, 2004. A guidebook for developing Environmental Management Systems on Georgia Poultry Farms. The University of Georgia Cooperative Extension Service Special Bulletin #42.
- Smith, M., Risse, L.M. and H. Smith Tanner, 2004. Environmental impacts of Septic Tanks in Georgia. The University of Georgia Cooperative Extension Service Bulletin 1242-4, <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1242-4.pdf>
- Seymour, R.M., G.L. Wade, and L.M. Risse, 2008. Developing a WaterSmart Landscape. UGA Extension Circular 930. <http://pubs.caes.uga.edu/caespubs/pubs/PDF/C930.pdf>