

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

Director of Marine Extension and Georgia Sea Grant. The University of Georgia, July 2013-present.
Georgia Power Professor of Water Policy, Joint Appoint between Carl Vinson Institute of Government and the Department of Biological and Agricultural Engineering, University of Georgia, June 2009-June 2013.
Professor, Biological and Agricultural Engineering, University of Georgia, July 2006-2009.
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.
Engineer, Hill-Fister Engineering Corp. Athens, GA. January 1989 to July 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

2011 Barnard Hill Fellow Award for Distinguished Public Service and Outreach
2009 Barnard Hill Award for Distinguished Public Service and Outreach
2009 Appointed Georgia Power Endowed Professor of Water Resources Policy
2009 Elected Fellow in the International Soil and Water Conservation Society
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.

Publications

1 book edited, 5 book chapters, 54 journal articles, 48 Extension bulletins, 202 abstracts or Convention Papers

Recent Research Publications:

Bellflower, J.B., B.H. Kiepper, J.C. Perry, L.M. Risse, and R.C. Smith, 2012, Water and Electricity Consumption on Pasture and Confined Dairies in Georgia, *Applied Engineering in Agriculture* 28(2):259-263.

Bellflower, J.B., J.K. Bernard, D.K. Gattie, D.W. Hancock, L.M. Risse, and C.A. Rotz, 2012, A case study of the potential environmental impacts of different dairy production systems in Georgia. *Agricultural Systems* 108:84-93.

Singh, K., L.M. Risse, K.C. Das, J. Worley and S. Thompson, 2012. Pyrolysis of Poultry Litter Fractions for Bio-Char and Bio-Oil Production, *Journal of Agricultural Science and Applications* 1(2):37-44.

Mullen, J., U. Bekchanov, B. Karali, D. Kissel, M. Risse, K. Rowles, and S. Collier, 2011. Assessing the Market for Poultry Litter in Georgia: Are Subsidies Needed to Protect Water Quality? *Journal of Agricultural and Applied Economics* 43(4):553-568.

Romeis, J.J., C. R. Jackson, L.M. Risse, A.N. Sharpley, and D.E. Radcliffe, 2011. Hydrologic and Phosphorus export Behavior of Small streams in Commercial Poultry-Pasture Watersheds. *Journal of the American Water Resources Association* 47(2):367-385.

Butler, D.M., D. Franklin, M.L. Cabrera, L.M. Risse, D.E. Radcliffe, L.T. West, and J.W. Gaskin, 2010. Assessment of the Georgia P Index on-farm at the field-scale for grassland management. *Journal of Soil and Water Conservation* 65(3):200-210.

Mukundan, R., D.E. Radcliffe, and L.M. Risse, 2010. Spatial resolution of soil data and channel erosion effects on SWAT model predictions of flow and sediment, *Journal of Soil and Water Conservation*. 65(2):92-104.

Mukundan, R., D.E. Radcliffe, J.C. Ritchie, L.M. Risse, and R.A. McKinley, 2010. Sediment Fingerprinting to Determine the Source of Suspended Sediment in a Southern Piedmont Stream, *Journal of Environmental Quality* 39:1328-1337.

Singh, K, K. Lee, J. Worley, L.M. Risse, and K.C. Das, 2010. Anaerobic Digestion of Poultry Litter: A Review. *Applied Engineering in Agriculture*. Feb. 12, 2010.

Singh, K., L.M. Risse, K.C. Das, J. Worley, and S. Thompson, 2010. Effect of Fractionation and Pyrolysis on Fuel Properties of Poultry Litter. *Journal of Air & Waste Management Association* 60:875-883.

Zhu, X., L. M. Risse, S. C. McCutcheon, E. W. Tollner, T. C. Rasmussen and L. West, 2010. Laboratory Investigation of Rill Erosion on Compost Blankets under Concentrated Flow Conditions. *Transactions of the ASABE* 53(4):

Recent Extension Publications:

Risse, L.M., F. Henning, and C. Butts, 2012. Know how and when to Watersmart. UGA Cooperative Extension Circular 1024.

Saha, U., L. Sonon, M. Risse, and D. Kissel, 2011. Water Quality and Common treatments for Private Drinking Water Systems. UGA Cooperative Extension Bulletin 939.

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>

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>

Risse, L.M., 2006. Chapter 1: Environmental Stewardship, Water Quality and Nutrient Release. In: Bass, T.M., and L.M. Risse ed., 2006. *Small Farm Nutrient Management Primer for Unpermitted animal feeding operations*. University of Georgia Cooperative Extension Bulletin 1293.

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>