

Jason G. Warren

Address: Oklahoma State University
Department of Plant and Soil Science Phone: 405-744-1721
368 Agricultural Hall Fax: 405-744-5269
Stillwater, OK 74078-6028
Email: Jason.warren@okstate.edu

Education:

B.S. Environmental Sciences, Oklahoma State Univ. 1999
M.S. Plant and Soil Sciences, Oklahoma State Univ. 2001
Ph.D. Crop and Soil Environmental Sciences, Virginia Tech 2005
Post doctorate, USDA-ARS 2006-2008

Positions:

June 2008-present: **Assistant Professor**, Dept. of Plant and Soil Sciences,
Oklahoma State University.

July 2003-April 2006: **Senior Research Specialist**, Eastern Shore Agricultural
Research and Extension Center, Virginia Polytechnic
Institute and State University.

June 2001-June 2003: **Graduate Research Assistant**, Dept. of Crop and Soil
Environmental Sciences, Virginia Polytechnic Institute and
State University.

May 1999-May 2001: **Graduate Research Assistant**, Dept. of Plant and Soil
Sciences, Oklahoma State University.

Highlights:

Refereed Journal Publications-16
Proceedings and Abstracts-24
Extension/Reports-8
Grant Support- 4 for a total of \$76,850

Recent Publications:

Sistani, K.R., **J.G. Warren**, N. Lavahn, S. Hggins, and S. Shearer. 2009. Quantification of Greenhouse Gas Emissions from Soil Applied Swine Effluent by Different Methods. *Soil Sci. Soc. Am. J. In Press*.

Sistani, K.R., H.A. Torbert, T.R. Way, C.H. Bolster, D.H. Pote, and **J.W. Warren**. 2009. Broiler litter application method and runoff timing effects on nutrient and E. coli losses from tall fescue pasture. *J. Environ. Qual.* 38:1-8.

Warren, J.G., K.S. Sistani, T.R. Way, D.A. Mays, and D.H. Pote. 2008. A new method of poultry litter application to perennial pasture: subsurface banding. *Soil Sci. Soc. Am. J.* 72: 1832-1837.

- Cook, K.L., M.J. Rothrock, Jr., **J.G. Warren**, K.R. Sistani, and P.A. Moore, Jr. 2008. Effect of alum treatment on the concentration of total and ureolytic microorganisms in poultry litter. *J. Environ. Qual.* 37:2360-2367.
- Warren, J.G.**, S.B. Phillips, and G.L. Mullins. 2008. Impact of soil type and application rate on the availability of P applied as alum-treated poultry litter. *Comm. Soil Sci. Plant Anal.* 39:2515-2533.
- Rothrock Jr., M.J., K.L. Cook, **J.G. Warren**, and K.R. Sistani. 2008. The effect of alum addition on microbial communities in poultry litter. *Poultry Sci.* 87:1493-1503
- Rothrock, M. J. Jr., K.L. Cook, N. Lovanh, **J. Warren**, and K. Sistani. 2008. Development of a quantitative real-time polymerase chain reaction assay to target a novel group of ammonia-producing bacteria found in poultry litter. *Poultry Sci.* 87:1058-1067.
- Warren, J.G.**, C.J. Penn, J. McGrath, and K. Sistani. 2008. The impact of alum addition on organic P transformations in poultry litter and litter amended soil. *J. Environ. Qual.* 37:469-476
- Warren, J.G.**, S.B. Phillips, G.L. Mullins, and L.W. Zelazny. 2006. Impact of alum-treated poultry litter applications on fescue production and soil phosphorous fractions. *Soil Sci. Soc. Am. J.* 70:1957-1966.
- Warren, J.G.**, J.A. Hattey, J.C. Turner, and S.B. Phillips. 2006. Comparison of two micrometeorological methods to determine ammonia volatilization from lagoon swine effluent. *Comm. Soil Sci. Plant Anal.* 37:1339-1356.
- Warren, J.G.**, S.B. Phillips, G.L. Mullins, D.A. Keahey, and C.J. Penn. 2006. Environmental and production consequences of using alum-amended poultry litter as a nutrient source for corn. *J. Environ. Qual.* 35: 172-182.
- Phillips, S.B., **J.G. Warren**, and G.L. Mullins. 2005. Nitrogen rate and application timing affect 'Beauregard' sweet potato yield and quality. *HortScience* 40: 214-217.
- Phillips, S.B., D.A. Keahey, **J.G. Warren**, and G.L. Mullins. 2004. Estimating winter wheat tiller density using spectral reflectance sensors for early-spring, variable-rate nitrogen applications. *Agron. J.* 96:591-600.
- Penn, C.J., G.L. Mullins, L.W. Zelazny, **J.G. Warren**, and J.M. McGrath. 2004. Surface runoff losses of phosphorus from Virginia soils amended with turkey manure using phytase and high available phosphorus corn diets. *J. Environ. Qual.* 33:1431-1439.
- Wu, J., D.L. Nofziger, **J. Warren**, and J. Hattey. 2003. Estimating ammonia volatilization from swine-effluent droplets in sprinkle irrigation. *Soil Sci. Soc. of Am. J.* 67:1352-1360.
- Wu, J., D.L. Nofziger, **J.G. Warren**, and J.A. Hattey. 2003. Modeling ammonia volatilization from surface-applied swine effluent. *Soil Sci. Soc. of Am. J.* 67:1-11.