

Sam E. Feagley
Professor and State Soil Environmental Specialist
Dept. of Soil and Crop Sciences, Texas A&M University, College Station, Texas

Education/Training:

1979 PhD Soil Chemistry, University of Missouri
1976 MS Soil Fertility and Chemistry, Texas A&M
1974 BS Chemistry, Texas A&M

Positions and Employment:

9/12 – present Professor Soil and Crop Sciences Department, Texas A&M and State Soil Environmental Specialist (75% Teaching, 25% Extension)
5/00 – 8/12 Professor Soil and Crop Sciences Department, Texas A&M and State Soil Environmental Specialist (75% Extension, 25% Teaching)
2/95 - 4/00 Professor Soil and Crop Sciences Department, Texas A&M State Soil Environmental Specialist (100% Extension)
7/82 - 1/95 Associate Professor Agronomy Department, Louisiana State University Soil Chemistry (52% Research, 48% Teaching)
6/79 - 6/82 Assistant Professor Agronomy Department, Louisiana State University Soil Chemistry (75% Research, 25% Teaching)
6/76 - 5/79 Graduate Assistant Agronomy Department, University of Missouri Ph.D. program
6/74 - 5/76 Graduate Assistant Soil and Crop Sciences Dept., Texas A&M M.S. program

Program Overview:

The major emphases are nutrient management related to land application and regulatory interpretation of rules and regulations related to animal manure and biosolids, nutrient management of organic sources of nutrients, saline and sodic soil remediation, reclamation of drastically altered lands, soil and water metal remediation, and land application of drilling fluids. Programs are planned to develop research yielding information that can be used to implement educational programs with county agents, specialists, and through other agencies such as NRCS, TCEQ, RCT, EPA, and TSSWCB. Demonstrations and programs are with Texas A&M AgriLife Research and Extension, and other departments such as Ag. Engineering, Horticulture, Dairy Science, Animal Science, and Poultry Science.

Significant 5 Year Accomplishments:

Research: Research with the Phosphorus Index and co-projects have led to modifying TCEQ CAFO regulations and NRCS nutrient management standard to utilize 0-6 inches instead of 0-2 and 2-6 inch soil samples and Mehlich 3 extractant with ICP analysis for P. **Teaching:** SCSC 615 in the fall covering land reclamation of surface mined lands, biosolids land application rules and CAFO and NRCS nutrient management rules and guidance. SCSC 301, Soil Science, spring, summer, and fall. SCSC420/620, Brazilian Agriculture and Food Production Systems.

Publications *Ten most recent publications (42 total):*

1. Feagley, S.E. 2014. Introduction to Soils and Soil Science: Laboratory Exercises. 6th edition. Kendall Hunt.
2. D. Osmond,* A. Sharpley, C. Bolster, M. Cabrera, S. Feagley, B. Lee, C. Mitchell, R. Mylavarapu, L. Oldham, F. Walker, and H. Zhang. 2012. Comparing Phosphorus Indices from Twelve Southern U.S. States against Monitored Phosphorus Loads from Six Prior Southern Studies. JEQ. 41:1741-1749.
3. Redmon, Larry, Mark McFarland, Sam Feagley, and Travis Miller. 2010. Gulf oil spills: Potential impacts and management strategies for agricultural land. SCS-2010-04. SCS-2009-16.
4. Feagley, Sam, Mark Atwell, and Jacob Eickstead. 2009. Lead in your garden soil? SCSC-2009-16.
5. Provin, Tony, Mark McFarland, Sam Feagley and Larry Redmon. 2008. Pasture and soil management following tidal saltwater intrusion. SCS-2008-06. Texas A&M AgriLife Extension Bookstore.
6. Osmond, D.L., M.L. Cabrera, S.E. Feagley, G.E. Hardee, C.C. Mitchell, P.A. Moore, Jr., R.S.

- Mylavarapu, J.L. Oldham, J.C. Stevens, W.O. Thom, F. Walker, and H.Zhang. 2006. Comparing ratings of the southern phosphorus indices. *J. Soil Water Cons.* 61(6):325-337.
7. Grichar, W.J., J.D. Nerada, and S.E. Feagley. 2005. Use of chicken litter for bermuda grass production in south Texas. *J. Sust. Agric.* 25:67-90.
8. Day, J.W. Jr., Jae-Young Ko, J. Rybczyk, D. Sabins, R. Bean, G. Berthelot, C. Brantley, M.L. Cardoch, W. Conner, J.N. Day, A.J. Englande, S. Feagley, E. Hyfield, R. Lane, J. Lindsey, J. Mistich, E. Reyes, and R. Twilley. 2004. The use of wetlands in the Mississippi Delta for wastewater assimilation: A review. *Ocean Coastal Mang.* 47:671-69.
9. Mukhtar, S. J.U. Ullman, B.W. Auvermann, S.E. Feagley, and T.A. Carpenter. 2004. Impact of anaerobic lagoon management on sludge accumulation and nutrient content for dairies. *Trans. ASAE.* 47:251-257.
10. Kim, Jung-Ho, and Sam E. Feagley. 2002. Runoff of trifluralin, metolachlor, and metribuzin from a clay loam soil of Louisiana. *J. Environ. Sci. Health, Part B.* B37:405-415.

Awards and Honors:

Louisiana State University

1980-1982, 1984-1987: Agronomy Club Advisor

1982: Outstanding Professor in Agronomy, Awarded by Undergraduate Agronomy Club

1988: Agriculture Students Association Outstanding Undergraduate Teacher in the College of Agriculture Award

1992: Joe E. Sedberry Outstanding Undergraduate Teaching Award in the College of Agriculture

1993: Student Government Outstanding Teacher in the College of Agriculture

Texas A&M University

2005: Special Achievement Award for Teaching, Soil and Crop Sciences Department

2009: Outstanding Teacher in the College of Agriculture and Life Sciences (COALS), Gamma Sigma Delta

2009: Honor Professor Award, COALS

2010: Hurricane Ike Landscape Recovery and Renovation Team, Texas AgriLife Extension Superior Service Award

2015: Vice Chancellor's Award in Excellence for Teaching, Texas A&M AgriLife.

Soil Science Society of America

2004: Outstanding Service Award, SSSA Council of Soil Science Examiners (CSSE)

2010: Irrrometer Professional Certification Service Award

American Society of Agronomy

2012: ASA Fellow

CREES

2013: Evaluation team for teaching and extension of Crop and Soil Environmental Sciences at Virginia Tech University

Professional Experience:

- Advised/co-advised 4 postdoctoral research associates, 5 PhD students, and 11 MS students.
- Authored/co-authored 31 peer-reviewed journal articles, 1 book, 2 book chapters, 8 Extension bulletins, 14 proceedings, 11 handbooks, and 111 scientific abstracts/presentations.
- Acquired \$4,171,512 of which \$3,337,210 went to my research program.
- Courses instructed: LSU: Soils and the Environment (AGRO 1051), Soil Science (AGRO 2051), Agronomic Internship (AGRO 3090), Soil Fertility and Management (AGRO 4052), Chemical Properties of Soils (AGRO 4055), Advance Soil Chemistry (7055)
TAMU: Soil Science (SCSC 301), Brazilian Agriculture and Food Production (SCSC 420/620), Soil and Water Environmental Issues (AGRO 489), Reclamation of Drastically Altered Lands (SCSC 615)