Tony L. Provin
Professor and Extension Soil Chemist
Dept. of Soil and Crop Sciences, Texas A&M AgriLife Extension, College Station, Texas

Education/Training

1996	PhD	Soil Chemistry, Purdue University
1991	MS	Soil Fertility, Iowa State University
1989	BS	Ag Science/Agronomy, Illinois State University
1987	AAS	Agri-Marketing, Parkland College

Positions and Employment

2010-present	Professor, Department of Soil and Crop Sciences, Texas A&M AgriLife Extension Service, College Station, TX
2004-2010	Associate Professor, Department of Soil and Crop Sciences, Texas A&M AgriLife Extension Service, College Station, TX
1996-2004	Assistant Professor, Department of Soil and Crop Sciences, Texas A&M AgriLife Extension Service, College Station, TX

Program Overview

My Extension and research program focuses on testing methodologies for the evaluation of water, plant and soils as related to agronomic and environmental considerations. Additionally, the program focuses on the collection of samples prior to analyses and the development of fertilizer, amendments or other cultural practice recommendations to improve both economic and environmental productivity of the landscape. The center piece of my program revolves around the Soil, Water and Forage Testing Laboratory, the outreach Extension components of nutrient management and water quality, and utilization of advanced instrumentation for analytical analyses of agricultural samples.

Significant 5 Year Accomplishments

Research and Extension program: Acquired $5,593,639 of which $3,501,735 went to my program. I was instrumental in the renovation of an existing building and subsequent relocation of the Soil, Water and Forage Testing Laboratory. This move freed up approximately 3000 sq ft of laboratory space in the Heep Center for alternative laboratory uses, plus provided much needed new space for the soil testing program and increased accessibility of the soil testing program to the public. I generated multiple new online programs for the calculation of nutrient/fertilizer requirements, assessment of limestone quality, and fertilizer choice and rate of applications. These online resources were instrumental to increasing the soil testing programs website usage to over 4.5 million hits during the past five years.

Publications *Ten most recent publications*

1. Wise, Jatara, Donald Vietor, Tony Provin, Sergio Capareda, Clyde Munster, and Akwasi Boateng. 2012. Mineral nutrient recovery from pyrolysis systems. Environ. Progress & Sustain. Energy. Vol 31-2. pg. 251-255.

2. Hanson, N.E., D.M. Vietor, C.L. Munster, R.H. White, and T.L. Provin. 2012. Runoff and Nutrient Losses from Constructed Soils Amended with Compost. Applied and Environ. Soil Sci. Vol. 2012. Article ID 542873.

3. J.P. Wright, F.M.Hons, J.O. Storlien, T.L. Provin, H. Shahandeh, R.P Wiedenfeld. 2012. Management effects of bioenergy sorghum growth, yield and nutrient uptake. Biomass and Bioenergy. Vol 46: 593-604.

4. M. L. Bumguardner, C. L. Munster, T. Provin, M. Ha, 2013. Soil Loss Due to Residue Removal in the Oso Creek Watershed, Texas. Transactions of the ASABE. 56(1): 83-90.

5. Ha, M., C.L. Munster, T.L. Provin. 2014. Optimized feedstock logistics for mobile pyrolysis units in the North Central region of the U.S. Transactions of ASABE, 57(4): 1131-1140.

6. Ha, M., C.L. Munster, T.L. Provin. 2014. A Geographic Information Systems program to optimize feedstock logistics for mobile pyrolysis units. Transactions of ASABE, 57(1): 249-257.

7. Provin, T. and H Zhang. 2014. DTPA and DTPA-Sorbitol Extraction of Micronutrients. In: Soil Test Methods From the Southeastern. United States Southern Cooperative Series Bulletin No. 419
ISBN# 1-58161-419-5

8. Provin, T. 2014. Total Carbon and Nitrogen and Organic Carbon via Thermal Combustion Analysis. In: Soil Test Methods From the Southeastern. United States Southern Cooperative Series Bulletin No. 419
ISBN# 1-58161-419-5

9. Hardy,D.H. and R. Mylavarapu, and T. Provin. 2014. Quality Assurance and Quality Control in a Soil Test Laboratory. In: Soil Test Methods From the Southeastern. United States Southern Cooperative Series Bulletin No. 419 ISBN# 1-58161-419-5

10. Wang, J., T. Provin and H. Zhang. 2014. Measurement of Soil Salinity and Sodicity. In: Soil Test Methods From the Southeastern. United States Southern Cooperative Series Bulletin No. 419 ISBN# 1-58161-419-5

Awards and Honors

- American Society for Horticultural Science-Southern Region - Extension Communication Award (2014) team award for Landscape Management publication.

- Texas AgriLife Extension Service Team Award for Superior Service- Deep Soil Sampling for Nitrogen Mgmt. Team (2012)

- Texas AgriLife Extension Service Team Award for Superior Service-Hurricane Ike Landscape Recovery (2011)

- Texas AgriLife Vice Chancellor's Award in Excellence-Team Award for Bio-Resource Cycling-Research Team (2010)

- Texas AgriLife Vice Chancellor's Award in Excellence-Team Award for Hurricane Ike Tidal Surge Recovery (2009)

- Texas AgriLife Extension Service Team Award for Superior Service-Hurricane Ike Tidal Surge Recovery (2009)

- Texas Environmental Excellence Award for Agriculture – Team Award (2009)