

Dr. Steven Green
Professor of Soil and Water Conservation

Curriculum Vitae

Contact Information

College of Agriculture
Arkansas State University
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Professional Preparation

Brigham Young University	Conservation Biology	B.S., 1996
Purdue University	Agronomy	M.S., 1999
Purdue University	Soil Management and Land Use	Ph.D., 2002

Appointments

Professor of Soil & Water Cons.	Arkansas State University	2015-present
Associate Professor of Soil & Water Cons.	Arkansas State University	2009-2015
Assistant Professor of Soil & Water Cons.	Arkansas State University	2006-2009
Postdoctoral Research Soil Scientist	USDA-Agric. Res. Service	2002-2005

Courses Taught at Arkansas State University

Soils (undergraduate)	Soil Quality Assessment (grad/undergrad)
Soil Fertility (graduate/undergraduate)	Environmental Sustainability (graduate)
Soil & Water Conservation (grad/undergrad)	
Sustainable Agriculture Field Course (grad/undergrad)	

Awards

A-State Excellence in Teaching Award, 2016
Outstanding Associate Editor, Natural Science Education, 2016
A-State Learning Outcomes Professor of the Month, 2015
ASU Environmental Stewardship Award, 2008

Synergistic Activities

Advisor to Board of Directors, Arkansas Soil Health Alliance
Board Member, Arkansas State Board of Registration for Professional Soil Classifiers
Secretary/Treasurer, East Arkansas Resource Conservation & Development Board
Past-president-Arkansas Plant Food Association
Active Member-American Society of Agronomy and Soil Science Society of America
Active Member- Arkansas Cover Crop Advisory Committee
Past-Associate Editor-Natural Science Education (journal)

Research Activities

Current research focuses on soil health, sustainable management, and cropping systems management. Cropping systems investigated include soil health attributes in row crop production systems and nutrient use efficiencies. Outreach to regional farmers and industry partners occur regularly to identify obstacles to management practices that show promise for improved sustainability.

Grants and External Funding

Total: \$4,743,286

As PI: \$3,226,647

Technical Output

Peer reviewed scientific publications: 23

Book chapters: 2

Technical bulletins: 1

Conference presentations, workshops, and field days: numerous

Selected Scientific Publications

Burns, B. W., **Green, V. S.**, Hashem, A. A., Massey, J. H., Shew, A., Adviento-Borbe, M. A. A., & Milad, M. 2021. Determining spatially explicit nitrogen deficiencies for maize using various remote sensing indices. *Precision Agriculture*, in press.

Iseyemi, O.O., Farris, J., Moore, M.T., **Green, S.**, Locke, M.A., & Choi, S. 2019. Characterizing organic carbon storage in experimental ditch systems in northeast Arkansas. *Soil Science Society of America Journal*, 83: 751–760.

Dong, H., **V.S. Green**, A. Nishiwaki, T. Yamada, J.R. Stewart, et al. 2019. Winter hardiness of *Miscanthus* (I): Overwintering ability and yield of new *Miscanthus* × *giganteus* genotypes in Illinois and Arkansas. *GCB Bioenergy* 11: 691–705. doi: 10.1111/gcbb.12588.

Larbi, PA and **S Green**. 2018. Time Series Analysis of Soybean Response to Varying Atmospheric Conditions for Precision Agriculture. *Precision Agriculture* 19:1113-1126.

Lindsay, Karen, Michael Popp, Chales West, Amanda Ashworth, Alexandre C. Rocateli, Rodney Farris, Gopal Kakani, Felix Fritschi, **Steven Green**, MW Alison, Michael Maw, Lucia Acosta-Gamboa. 2017. Predicted Harvest Time Effects on Switchgrass Moisture Content, Nutrient Concentration, Yield, and Profitability. *Biomass Bioenergy* 108:74-89.

Bouldin, Jennifer L., **V Steven Green**, and John W P Klasky. 2016. Earthworm Preference Bioassays to Evaluate Land Management Practices. *Bulletin of Environmental Contamination and Toxicology* 96:767–72.

Green VS, West CP, Rocatelli A. 2015. Switchgrass responds well to nitrogen in the Arkansas Delta Region, but not to phosphorus or potassium. *Better Crops with Plant Food* 99:21–23.