State Representative Information:
Name: DeAnn Presley
Organization: Kansas State University
Email: deann@ksu.edu
Phone: 785-532-1218

Research: New and continued research on cover crops in a variety of crop rotations is occurring at several sites in Kansas. Some of the projects include:

- Chuck Rice – USDA NIFA water cap grant. Advisor to Soil Health Partnership, farmer’s standard practices plus one new management. Validation and correlation of Haney and Cornell soil health tests.
- Lucas Haag – Rotation intensification. Colorado State CIG, covers for grazing, two years of data, 4 sites in Kansas. Spring and summer plantings.
- Nathan Nelson – Kansas Agricultural Watershed (KAW) site, cropping system impacts on water quality, cover crops and fertilizer management and sediment loss, nutrient cycling, soil fertility, soil health parameters. National CIG for water quality and Soil Health – long term No-Till.
- Peter Tomlinson – Kansas Agricultural Watershed site, cropping system impacts on greenhouse gas emissions from agriculture, soil biological measurements. In 2018, established a new on-farm study to evaluate cover crop options ahead of cotton in south central Kansas.
- Stu Duncan – Brown, Doniphan counties. Highland Community College. 10 treatments, three replications, in a corn-soybean rotation – winter cover. Profile sample out of each plot. Collaborator with P. Tomlinson on new cover crops in cotton project in south central Kansas.
- Gretchen Sassenrath – State CIG – precision conservation using cover crops to improve soil health and profitability, and control weeds; Grazing of cover crops, biomass production of different cover crops in southeast Kansas for extended grazing period, in collaboration with J. Farney. No-Till in SE KS. Focus on Soil Health, No-Till, Cover Crops, soil-borne diseases in soybeans and wheat. Demonstration of Soil Health.
- John Holman – 12th year – soil water soil organic matter, carbon. Weed suppression, 3 years and nine site years of data. Hay or graze – H2O use efficiency.
- Anita Dille – on farm studies on cover crops and weed suppression.
- Jaymelynn Farney – Animal scientist, grazing cover crops, toxic plants.
Extension & Outreach:

- Many new and ongoing extension programs are active in Kansas. Many cover crop field days and meetings occurred throughout the state with cooperation between Kansas State University Research and Extension, the Kansas NRCS, county Conservation Districts, and non-profit organizations such as the Kansas Alliance of Wetlands and Streams.
  - The Kansas NRCS and/or Conservation Districts have assisted with or been a part of numerous field days, tours, presentations, or workshops on soil health, cover crops, no-till, etc.
  - Numerous Kansas State University faculty giving presentations at local, state, and national level research or extension meetings on the topic of cover crops.

Contributors: Kansas State University, Kansas USDA-Natural Resources Conservation Service, Kansas Association of Conservation Districts, Kansas Alliance of Wetlands and Streams.

Funding from: Kansas Crop Improvement Association, Kansas Soybean Commission, USDA NIFA Hatch, and NCR-SARE.

Peer-reviewed publications during the reporting period:


Reports of Progress (non-peer reviewed):


