

AGRONOMY SEMINAR SERIES

FALL 2025

MONDAY, SEPTEMBER 8, 2025

2:30 P.M.

LILY 2-425

Attend virtually via Zoom

Seminar links will be posted at: purdue.ag/agryseminars



Dr. Armstrong is an Environmental Soil Scientist and Associate professor in the Department of Agronomy at Purdue University. His research program investigates the agronomic, environmental, and economic impacts of current and emerging regenerative agricultural practices that reduce nutrient and soil loss and promote carbon farming in the Upper Mississippi River Basin. Dr. Armstrong's research is executed on multiple scales ranging from the soil microbiome to the evaluation of conservation practices on field and watershed scales. Annually, his applied research program advances the knowledge of the agricultural and farming community on cropping systems management that facilitates nutrient loss reduction, nutrient cycling, and competitive crop productivity.

DR. SHALAMAR ARMSTRONG

ASSOCIATE PROFESSOR AND SOIL SCIENTIST
DEPARTMENT OF AGRONOMY
PURDUE UNIVERSITY

Contributions of Cover Crops to Sustainably Intensified Agricultural Systems

Sustainably intensified (SIA) cropping systems foster the main goal of maximizing profitability, while minimizing environmental damage. Dr. Armstrong will share key findings from his research program that quantified the contributions of cover crop inclusion to farm production and nutrient loss reduction at the field and watershed scales. Further, he will focus on adaptive management practices that reduce yield gaps in cover crop systems.



Agronomy