

INSIDE AGRONOMY

ISSUE 29 - NOVEMBER 17, 2025

PURDUE
UNIVERSITY

Agronomy

All issues of *Inside Agronomy* are available on the Agronomy website.

Agronomy's Lee receives Spirit of Land-Grant Mission Award

Story by Charles Wineland

Photo by Katherine Jacobson

October 21, 2025

Click the photos below to see the full story.



The Kernel lab Represents Purdue at the 11th Zamorano Symposium



The Purdue Corn Agronomy Team recently traveled to Ohio to participate in the **11th Zamorano Symposium**, an event that brings together Zamorano alumni and collaborators from across the U.S. for research presentations, networking, and technical discussions.

During the event, **Dr. Dan Quinn**, Assistant Professor of Agronomy and Extension Corn Specialist, participated as an invited speaker, presenting on **optimizing corn performance in rye-based cropping systems** and sharing strategies to overcome challenges related to emergence, nitrogen use, and yield.



A special highlight of the event was **Johnny Fabricio Garrido**, visiting scholar in the Kernel Lab, earning **1st place in the poster competition**.

Congratulations to Johnny for this outstanding achievement and for representing Purdue Agronomy with excellence!

SOIL SCIENCE SIMPLIFIED

Sixth Edition

Shams Rahman Rahmani
Donald P. Franzmeier
William W. McFee
John G. Graveel
Helmut Kohnke

NEW! available
January 2026

For more than seventy years, *Soil Science Simplified* has guided generations of students toward a clear understanding of the nature, properties, and importance of soils. Building on the legacy of the distinguished Purdue University faculty who shaped earlier editions, this Sixth Edition continues the tradition of making complex concepts approachable while incorporating major advances in the field.

Dr. Shams Rahman Rahmani expands and modernizes this classic introduction, integrating contemporary developments in soil science and environmental management. New material explores the use of the Web Soil Survey—the world's largest natural resource database—with step-by-step guidance for first-time users. A new section examines the vital role of soils in the global carbon cycle, explaining both their contribution to greenhouse gas emissions and their potential for carbon sequestration. Expanded discussions of soil drainage, irrigation, and soil pH deepen readers' understanding of how soil management affects agriculture, water resources, and the environment.

Concise, accessible, and scientifically sound, *Soil Science Simplified* remains the ideal text for introductory soil science courses in universities, colleges, and vocational programs, as well as a valuable reference for anyone who seeks to understand and protect one of Earth's most essential natural resources.

© 2026; Page count and price to be determined.

Brief Contents:

- 1 The Nature and Function of Soil
- 2 Soil Mineralogy and Chemistry
- 3 Soil Physical Properties
- 4 Soil, Water, and Climate Relations
- 5 Soil Formation
- 6 Soil Morphology
- 7 Soil Classification
- 8 U.S. Soil Surveys
- 9 Soil Organic Matter and Microbes
- 10 Soil Fertility and Plant Growth
- 11 Soil Erosion and Its Control
- 12 Soil and the Environment
- 13 Soil Data and Calculations

To be sent an exam copy
upon publication:

email Senior Editor Don Rosso
([djrr@waveland.com](mailto:djr@waveland.com))

with your address, course number and title,
and course enrollment.



Waveland Press, Inc.

4180 IL Route 83, Suite 101 Long Grove, Illinois 60047
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SOIL SCIENCE SIMPLIFIED

Fifth Edition

NEW 6th Edition Coming Soon!
Available January 2026

Shams R. Rahmani
William W. McFee
Helmut Kohnke

Donald P. Franzmeier
John G. Graveel
For details: rahmani@purdue.edu

Congratulations SARA! Outstanding Clinical Faculty/Lecturer Award

Submitted by Dr. Laura Bowling

On behalf of the College of Agriculture Awards Selection Committee and the Office of Academic Programs, it is my pleasure to announce this year's recipients of the CoA faculty and staff teaching awards!

You are invited to celebrate our awardees' outstanding impact on our students at the Celebration of Teaching Excellence on Tues, December 2nd from 4:00-6:00 pm in the Purdue Memorial Union East/West Faculty Lounge. RSVPs requested by Tues, Nov 18th to receive free drink tickets at the event!

John Lumkes
Assistant Dean & Associate Director, Office of
Academic Programs



CONGRATS

2025-26 TEACHING AWARD RECIPIENTS

Kohls Outstanding Undergraduate Teaching
KATHRYN ORVIS (HLA)

Kohls Outstanding Early Career Teaching
EUN JOONG OH (FS)

Outstanding Service to Students
ALLIE KINGERY (FS)

Pfendler Outstanding Undergraduate Counselor
VIKKI WEAKE (BCHM)

Outstanding Teacher for Clinical Faculty & Lecturers
SARA ALLEN (AGRY)

Taylor Excellence in Teaching Innovation
AARON THOMPSON (HLA)

Outstanding Undergraduate Advising
ANDY OPPY (AGEC)

Join us in recognizing our awardees at the
CELEBRATION OF TEACHING EXCELLENCE
Tues, December 2 at 4:00-6:00pm (PMU East/West Faculty Lounge)

Register by Nov 18 using the link provided for 2 FREE drink tickets at the event!



SSSA Fellows

Sylvie Brouder & Ron Turco

Agronomic Education and Extension Award

Corey Gerber (not pictured)

Crop Science Extension Education Award

Shaun Casteel

ASA Distinguished Service Award

Sylvie Brouder

Bridge Scholar - Ariano Lazo



CSA Fellow

Ignacio Ciampitti

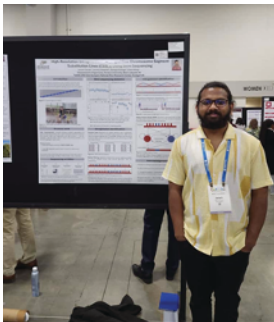


Purdue Agronomy Representation



Boilermaker Reception

Agronomy Graduate Student Award Recipients at CANVAS



Jairam Baba Danao

2nd place Poster Competition

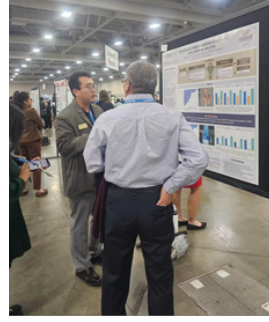
Genomics, Molecular Genetics
& Biotechnology Division



Jose Andres Vaca Zarraga

2nd place Poster Competition

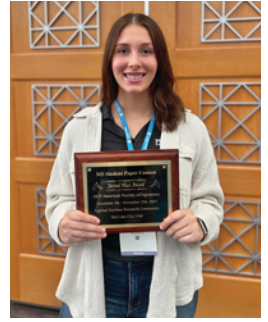
Crop Ecology
Management and Quality



Lizeng Zhao

2nd place Poster Competition

Climatology and Modeling
Section



Ava Antic

2nd place MS Paper Contest

ASA of Soybean Research



Natalia da Silva Volpato

3rd place Oral Competition

Crop Physiology and
Metabolism



Leonardo Lemes Bosche

3rd place Oral Competition

Nutrient Management
Community



Ariana Lazo

2025 Bridge Scholar
of the Tri-Society

ENVIRONMENTAL HEALTH AND SAFETY

FACILITY AND OCCUPATIONAL SAFETY

EYEWASH AND SAFETY SHOWERS



Proper Procedures for Decontamination

Emergency showers and eyewash stations serve the same purpose—to help workers quickly flush away hazardous substances, including corrosive chemicals, acids and airborne contaminants like dust that can cause injury.

Safety Shower Procedures: If exposure occurs, act immediately. Go to the nearest safety shower without delay.

- Remove all contaminated clothing and jewelry before stepping under the shower.
- Remain under the running water for at least 15 minutes to ensure complete decontamination.
- After flushing for the full 15 minutes, seek medical attention right away.



Administrative Operations

FacOccSafety@groups.purdue.edu
765-494-6371

Eyewash procedures: If a hazardous substance enters your eyes, go to the nearest eyewash station immediately.

- Push the activation lever. This will open the dust covers and start the flow of water from both nozzles.
- Use your fingers to hold your eyelids open and position your eyes directly in the water streams.
- Rinse continuously for at least 15 minutes, do not stop early.
- After flushing for the full 15 minutes, seek medical attention right away.

Key Reminders

- Know the location of the nearest eyewash and safety shower station before starting work.
- Keep access and surrounding area clear at all times.
- Test your equipment weekly to ensure its function in the event of an emergency.
- Report any malfunctions to your building deputy.



August V.2.

ENVIRONMENTAL HEALTH AND SAFETY

HAZARDOUS MATERIALS MANAGEMENT

CONTAMINATED LAB DEBRIS



What to Know Before You Dispose

Submit pickup requests online.
<https://ehsa.it.purdue.edu/ehsa/>

What is Contaminated Lab Debris?

Contaminated lab debris includes materials such as paper, plastic or glass that have been heavily exposed to chemicals or other hazardous substances. Because of the potential risks, this debris must be collected and disposed of by Environmental Health and Safety.

Examples of gross contamination include:

- Items used during spill cleanup (e.g., gloves, paper towels, absorbent pads)
- Kimwipes, cotton balls or filter papers saturated during procedures
- Small items that cannot be easily rinsed (e.g., pipette tips, small empty test tubes)

Items to collect separately:

- Glass (broken or intact)
- Sharps (needles, razors, knives)
- Used silica gel
- Gloves, paper, and plastic waste



Administrative Operations

Collecting Debris for Disposal

Debris waste must be collected using the same safety protocols as liquid hazardous waste:

- Keep the waste container closed when not in use.
- Do not overfill; debris containers must not exceed 30 pounds.
- Affix an orange hazardous waste tag to the outside of the container.
- On the tag, list the types of debris with estimated percentages.
- Record all contaminants as "trace," including any chemicals that have contacted the items, even if they appear dry.

A plastic bucket with screw top lid is an excellent container for debris collection and can be provided by EHS.

PURDUE UNIVERSITY HAZARDOUS WASTE DISPOSAL TAG

PI: Robin Ridgway

- | | |
|----------------------------|----------------|
| 1. <u>gloves</u> | % <u>25</u> |
| 2. <u>paper towels</u> | % <u>25</u> |
| 3. <u>plastic pipettes</u> | % <u>15</u> |
| 4. <u>weigh boats</u> | % <u>35</u> |
| 5. <u>methanol</u> | % <u>trace</u> |
| 6. <u>toluene</u> | % <u>trace</u> |

HAZARD (check all that apply)

- | | | |
|------------------------------------|---|--------------------------------------|
| ☐ Flammable | ☐ Water-reactive | ☐ Reactive |
| ☐ Corrosive | ☐ Oxidizer | ☐ Carcinogen |
| | ☒ Toxic | ☐ Other _____ |



Completed Hazardous Waste Disposal Tag

August V.2.

AGRONOMY FALL 2025 SEMINAR SERIES

**Mondays at
2:30 p.m.
LILY 2-425**

(unless otherwise noted)

Join friends and colleagues as they discuss the latest in Agronomy and other related topics.

Visit the Agronomy Seminar Series Website at: purdue.ag/agryseminars or by scanning the QR code below.



**PURDUE
UNIVERSITY®**

Agronomy

Date	Speaker
November 17th	Dr. Scott Jackson - University of Georgia Topic: Designer Crops - Integrating Engineering and Biology to Meet Future Demands Host: Dr. Jianxin Ma
November 24th	Dr. Max Leung - Arizona State University Topic: Cannabis Sativa, The Environment, and Your Health Host: Dr. Yichao Rui
December 1st	Dr. Veena Veena - Danforth Plant Science Center Topic: "Unlocking the Potential of Plant Genetic Engineering: Opportunities and Challenges" Host: Dr. Cankui Zhang
December 8th	Dr. Lisa Ainsworth - University of Illinois Topic: Optimizing soybean canopies for improved photosynthesis in current and future atmospheres Host: Dr. Jianxin Ma



**RSVP Here
for
Agronomy Accolades**



Grain Post-Harvest & Recertification Workshop

CREDITED WORKSHOP

This workshop is geared toward farmers, commercial grain storage handlers, pest management professionals and food processing quality-control managers. The goal is to help attendees effectively manage postharvest systems to reduce pests, choose appropriate pest-control strategies and adopt integrated pest management systems. The workshop also will serve as an opportunity for Indiana's certified advisers to earn applied for CCH credits (Cat.7A, 7D, RT).

EVENT INFO + REGISTRATION

DECEMBER 3, 2025 | 8:30AM - 4:45 PM

**REGISTRATION FEE
\$140.00**

PURDUE UNIVERSITY- BECK AG CENTER
4550 US HWY 52-W
WEST LAFAYETTE, IN 47907

REGISTRATION LINK: [CVENT.ME/MGDDVX](https://cvent.me/mgddvx)



Agronomy



Agricultural and
Biological Engineering

EA / EOU