

INSIDE AGRONOMY

ISSUE 28 - OCTOBER 27, 2025

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Agronomy

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

Big, beautiful bins!

The majority of this year's grain is safely tucked away and we were able to celebrate the success of a more efficient harvest along with many of the individuals who made the center possible, through problem identification, conceptualization, financing, design, and documentation.

Many thanks to our incredible team who work together so well for pulling off a party - Lexie Wilson, Marcus Mues, Stephanie Orem, and Tom Pluimer. Rachel Stevens, Aaron Kult, and Evan Bossung got everything neat and tidy for the event. Thank you to Torbert Rocheford for helping to get the idea of the ground and serving as reception host, and many thanks to John Evans for creating the lovely laser etched plaque of the grain bins.

Submitted by Laura Bowling



While in Pisa (Italy) recently, Anna Paltseva represented Purdue University at two international soil science events — SUITMA 13 and the FAO Global Symposium on Soil Sealing and Urban Soils. At SUITMA, she presented results from a USDA NRCS-funded collaboration, part of the agency's first Urban Soil Survey, focused on mapping heavy metal concentrations across land uses and soil depths in St. Louis, Missouri. She also delivered a keynote talk at the FAO Symposium, emphasizing the role of soil in urban planning, desealing, and climate resilience.



BOILERMAKER RECEPTION



11/10/2025 • 5:30-7:30 PM

MARRIOTT SKYLIGHT BALLROOM - LIGHT HORS D'OEUVRES TO BE SERVED



COLLEGES OF AGRICULTURE & ENGINEERING

JOINT POSTER SESSION

AND

NETWORKING GATHERING

FRIDAY, NOVEMBER 7th /// 3-6:30 PM /// MARRIOTT HALL



SUBMIT A POSTER >>>

FILL OUT THE FORM
ON THE EVENT PAGE

DEADLINE: OCTOBER 27th

ON TAP:



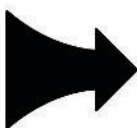
**LIVE
MUSIC**

STOP BY FOR A BITE & NETWORK WITH YOUR PEERS!



LEARN MORE

FULL MENU, POSTER FORM, CONTACT US
purdue.ag/coag-coeng



WPS Training

The USEPA mandates pesticide safety training for employees who encounter agricultural use pesticides while working at a farm, greenhouse, nursery, or forest and do not possess a Certified Pesticide Applicators license. To ensure compliance, EHS is offering Worker Protection Standard (WPS) training at the times and location listed below. Annual training is required.

November 4, 2pm-3pm	LILY 2425
November 17, 11am – 12pm	LILY 2425
November 18, 1pm-2pm	LILY 2425

Contact Jennifer Kraus, jakraus@purdue.edu with any questions or concerns.

POSTER PRINTING GUIDELINES



Poster printing requests must be submitted 24-hours in advance of the time the poster needs to be picked up. Last minute requests are not guaranteed to be printed.

Posters should be designed in the size needed and saved as a PDF file prior to requesting print.

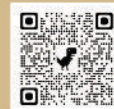
Posters may be designed in either landscape or portrait directions, however one direction must not exceed 41.5" (landscape not more than 41.5" in height and portrait not more than 41.5" in width).

PROOF PROOF PROOF

BEFORE you request that your poster be printed, ensure that it has been proofed by your faculty and anyone else that is knowledgeable about the information included. It is very expensive to print posters and reprints due to lack of proofing is an unnecessary expense.

Poster printing is for Agronomy & Botany only. Please do not direct your peers from other departments to request a poster print from the Agronomy Main Office. Requests from students outside of these departments will be denied.

Be sure you are following the poster guidelines <https://ag.purdue.edu/departments/agry/about/posters.html> or by scanning the QR code.



Please email your poster as a PDF to:
AGRYadmin@purdue.edu

Welcome Baby Willa Margaret Tshering Sherpa!



We are excited to introduce the newest addition to the Agronomy family! Willa was born on Saturday, October 11th at 6:45 a.m. to Roli Wilhelm and Phurchhoki Sherpa.



CONGRATULATIONS, AGRONOMY CLUB!
2025 AG OLYMPICS WINNERS



54TH AGRONOMY SOPHOMORE DINNER WITH THE FACULTY

The 54th Agronomy Sophomore Dinner with the Faculty was held at the John Purdue Room in Marriott Hall on October 22nd. The event was organized by Dr. Lee Schweitzer and hosted by Dr. Laura Bowling. The long-standing Agronomy Family tradition is appreciated by all who participate!



The Soils Judging Team recently returned from the Region 3 Contest, hosted by Michigan State in Bad Axe, MI. This was the first time that Michigan State hosted the contest in 40 or 50 years. The event brought together nine universities and 71 competitors. This year's contest proved especially challenging, as the practice pits didn't show all the different parent materials and subsurface features that were in the contest. Despite the challenges, the team recognized they were in a different set of conditions and pulled off a hard-fought victory, placing 1st overall. With this victory, the team earned a spot to compete at the National contest this spring in North Carolina.

Results

Overall - 1st place

Team Judging - 3rd place

Individuals

Emmeline Seest - 1st place

Kaia Wright - 3rd place

Kyra Kiel - 5th place

Levi Brush - 9th place

Nick Beckner - 14th place

Bekah Turner - 15th place

Katelyn McMillian - 20th place

Bryce Brown - 29th place



GRADUATE STUDENT HIGHLIGHTS

To recognize the accomplishments resulting from the hard work of our Graduate Students, the Graduate Student Committee will regularly feature recently published papers, peer-reviewed or extension articles by our graduate students in the department's bi-weekly newsletter.

Submitted by Dr. Cankui Zhang

Vargas-Rojas, L., Wang, D.R. (2025).dpest: Streamlining creation of PEST input files for DSSAT crop model calibration.Journal of Open Source Software, July 2025.<https://doi.org/10.21105/joss.08188>

Graduate student: Vargas-Rojas, L.

Krause, M. R., Arbelaez, J. D., Asdal, Å., Belkodja, R., Boury, N., Blake, V. C., ... Ting, To-Chia, Wang, D.R.... Hayes, P. M. (2025). Oregon Wolfe barley genetic stocks–Research and teaching tools for next generation scientists.Journal of Plant Registrations,19(3), e70004.doi: 10.1002/plr2.70004

Graduate student: Ting, To-Chia

Kantar, M., Ewing, P., Bančič, J., Fumia, N., Garba, I., Jamshidi, S., ... Siddhartho, S.P....& Wang, D.R. (2025). Computational design for more engaged, impactful, and dynamic agricultural research.Crop Science,65(2), e70034.doi: 10.1002/csc2.70034

Postdoctoral scientist: Jamshidi, S.;PIs: Wang, D.R. and Paul S.

Brock MT, Nozue K, Kliebenstein DJ, Ewers BE, Mackay DS, Maignien L, Wang D.R., Weinig C, Maloof JN. Characterization of transcriptional and metabolic responses to a complex plant growth-promoting soil inoculum. Plant Biology. 2025 May 28.doi: 10.1111/plb.70034

PI: Wang, D.R.

Campbell, Q., Bedford, J. A., Yu, Y., Halpin-McCormick, A., Castaneda-Alvarez, N., Runck, B., ... Wang, D.R...& Kantar, M. B. (2025). Agricultural landscape genomics to increase crop resilience.Plant Communications,6(2).doi: 10.1016/j.xplc.2025.101260

PI: Wang, D.R.

A Critical Review on Soil Chemical Processes that Control How Soil pH Affects Phosphorus Availability to Plants

A June 2019 review article published in the journal "Agriculture" by Chad Penn and Jim Camberato recently reached 1000 cites! An impressive milestone! Read it at: <https://doi.org/10.3390/agriculture9060120>

BEGIN PLANNING NOW!

If you are in a shared space, such as a grad student office, and would like to split into groups, see Stephanie in the main office for a door assignment elsewhere in the department.



Deck the Halls with Seasonal Cheer!

AGRONOMY DOOR DECORATING CONTEST

***Doors must
be decorated
by Monday,
December
1st to be
included in
the voting.***

***Prizes for
three categories!***

- Most Creative
- Best Constructed
- Most Agronomic

A QR Code for voting will be shared after December 1st.

Winners will be announced December 11th!

ONE VOTE SUBMISSION PER PERSON!

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.**

Zoom links for virtual attendance and online-only seminars will be shared closer to their scheduled date.

A detailed flyer will be shared prior to each seminar. Please refer to the specific event flyer for any changes.

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



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Agronomy

Date	Speaker
September 8th	Dr. Shalamar Armstrong - Purdue University Topic: Contributions of Cover Crops to Sustainably Intensified Agricultural Systems Host: Dr. Eileen Kladvko
September 15th	Dr. Alex Lipka - University of Illinois Topic: Leveraging recent biological findings and resources into crop statistical genetics Host: Dr. Diane Wang
September 19th 10:30 a.m.	Dr. Jianhua Yu - University of California, Irvine Distinguished Ag Alumni Special Seminar Host: Dr. Laura Bowling
September 22nd	Dr. Shofi Islam - Indiana Crop Improvement Association Topic: Indiana Crop Improvement Association R & D overview and potential collaboration Host: Dr. Torbert Rocheford
September 29th	Dr. Abebe Menkir International Institute of Tropical Agriculture Hosts: Dr. Torbert Rocheford & Dr. Gebisa Ejeta
October 6th	Dr. Mike Castellano - Iowa State University Topic: "The Iowa Nitrogen Initiative: Integrating research, extension, and education for the benefit of all" Host: Dr. Ignacio Ciampitti
October 20th	Dr. Caio Canella Vieira - University of Arkansas Topic: Soybean Breeding Host: Dr. Katy Rainey
October 27th	Dr. Bo Guo - University of Arizona Topic: Fate and Transport of PFAS Hosts: Dr. Linda Lee & Dr. Laura Bowling
November 3rd	Dr. Bryan Runck - University of Minnesota Topic: TBD Host: Dr. Diane Wang
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