



# Kansas Applicator Institute

July 29 – 30, 2025 | Hutchinson: Kansas Applicator Institute: Where applicators and certified crop advisors discuss tomorrow's precision application – today. \*Note, new this year, 1A Exam is offered Wednesday, July 30 at 2 p.m., (Additional Fee required for Kansas Dept. of Agriculture). \*

## KEYNOTE SPEAKERS

**DR. RAYMOND CLOYD**  
Kansas State University

**KATIE STRATHMAN**  
BASF

**DR. DEEPAK JOSHI**  
Kansas State University

**JEFF WHITWORTH**  
Kansas State University

**DR. SARAH LANCASTER**  
Kansas State University

**PROVALUE INSURANCE**

## REGISTER

**DATES:** July 29 - 30, 2025

**TIME:** 8:30 a.m. - 5:00 p.m. & 7:30 a.m. - 1:30 p.m.

**CITY:** Hutchinson

**PRICE:** \$190 or \$100

To register, fill out and return the bottom portion via fax 785-234-2930, or via email to [lisa@kansasag.org](mailto:lisa@kansasag.org).

To pay by check or be billed please return this form and payment to Lisa Anschutz, 816 SW Tyler, Topeka, KS 66612. Refunds must be requested 72 hours in advance of the event for a full refund.



Company Name:	Full Registration \$190	Tuesday Only \$100	Core Hour Only \$40
Attendee Name & Email:			
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### CREDIT CARD PAYMENT INFORMATION

Credit Card #: .....

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**Tuesday, July 29, 2025**8:30 a.m. — **Registration**9:15 - 9:20 a.m. — **Welcome**9:20 - 10:10 a.m. — **Pesticide Application Program: Is Your Program Hitting the Mark?**

J.D. Pruitt | ProValue Insurance | Credit: 1.0, 1A

**The Presentation:** A review of the application, record keeping and training procedures in place to identify whether or not your program is actually meeting the requirements.

10:10 - 11:00 a.m. — **Factors that Impact the Effectiveness of Pesticides to Manage Insect & Mite Pest Populations**

Dr. Raymond Cloyd | KSU Agronomy | Credit: 1.0, 1A

**The Presentation:** Five factors that impact the effectiveness of pesticides: Poor coverage of plant parts, infrequent applications of pesticides, water hardness, water pH, photo-decomposition (exposure to light)

**About Raymond:** Dr. Raymond A. Cloyd has an extension and research appointment at KSU. His research and extension program involved pest management/plant protection in greenhouses, nurseries, landscapes, turfgrass, conservatories, interiorscapes, Christmas trees, and vegetables and fruits. Dr. Cloyd is an extension specialist in horticultural entomology for the state of Kansas with a major clientele that includes homeowners, master gardeners, and professional and commercial operators. He has a Ph.D. in Entomology from Purdue University.

11:00 - 11:25 a.m. — **Break**11:25 a.m. - 12:15 p.m. — **How to Herbicide**

Katie Strathman | BASF | Credit: 1.0, 1A

**The Presentation:** This training is a discussion on herbicide site of action and herbicide applications under varying conditions.

**About Katie:** Katie Strathman is the Technical Service Representative in eastern and central Kansas for BASF. Prior to her current role, Katie worked for BASF at the BASF Midwest research farm in Seymour, IL where she oversaw the technical marketing research trials. Katie holds two degrees: a Bachelor of Science in Agronomy-Farm Business Management with a minor in entomology and a Master of Science in Agronomy-Crop Production & Physiology, both from Iowa State University. Having grown up on a corn and soybean farm in northwest Iowa, Katie has roots in agriculture. She currently resides in northeast Kansas where, when her schedule permits, she is also a stand-in farmhand for her husband and his family.

12:15 - 1:15 p.m. — **Lunch**1:15 - 2:05 p.m. — **Precision Agriculture**

Dr. Deepak Joshi | Kansas State University | Credit: 1.0, 1A

**The Presentation:** The presentation will explore the diverse applications of drones in precision agriculture, including field scouting for crop health assessment, monitoring crop growth stages, managing soil nutrients, different stresses, and predicting yields. In addition to these analytical uses, the talk will also highlight the practical and operational aspects of drone technology, such as aerial spraying and seeding.

**About Deepak:** Dr. Joshi is an Assistant Professor and Extension Specialist in Precision Agriculture in the Department of Agronomy at Kansas State University, PhD South Dakota State University. His extension and applied research focus on precision agriculture and on-farm decision-making, leveraging a variety of sensor-based technologies, including drones, satellites, ground sensors, and open-access datasets.

2:05 - 2:55 p.m.

**2025 Crop Insect Pests**

Dr. Jeff Whitworth | Kansas State University | Credit: 1.0, 1A

**The Presentation:** Attendees will improve their ability to identify currently active pests in corn, soybeans, grain sorghum, cotton, sunflowers, and alfalfa. Management recommendations for the organisms will also be discussed.

**About Jeff:** Dr. Whitworth is a professor and Extension specialist for Entomology. He has 40+ years of experience in identifying and managing insect pests.

2:55 - 3:15 p.m.

**Break**

3:15 - 4:05 p.m.

**Optimizing Glufosinate**

Dr. Sarah Lancaster | Kansas State University | Credit: 1.0, 1A

**The Presentation:** Glufosinate (Liberty, others) has become a key herbicide for postemergence weed control in soybeans and cotton. This presentation will include data-based discussions as well as demonstrations of some key factors influencing the efficacy of glufosinate applications including nozzle selection, application volume, weed density and environmental conditions.

**About Sarah:** Sarah Lancaster, PhD is an Assistant Professor and Extension Specialist at the KSU Agronomy Department. She was raised on an integrated crop and livestock farm in east central Missouri and holds degrees from the University of Missouri, North Carolina State University, and Texas A&M University.

4:15 - 4:15 p.m.

**Ride and Drive Demo**

Fairgrounds

4:45 - 7:00 p.m.

**Dinner and Social**

Encampment Building



**Wednesday, July 30, 2025**

All presentations will be given three times between 7:30 a.m. and 12:30 p.m.

**7:30 a.m. Exhibits and Tradeshow Open****Rotation Your responsibilities as a CDL driver and Certified Applicator**

Paul Thurston | ProValue Insurance | Credit: 1.0, 1A

**The Presentation:** This presentation reviews an individual's responsibilities in the roles of a professional driver of a commercial motor vehicle and as a professional chemical applicator. Ensuring the public's safety daily when operating commercial motor vehicles on the public roads and when applying agricultural chemicals.

**Rotation Weed ID**

Dr. Sarah Lancaster | Kansas State University | Credit: 1.5, 1A

**The Presentation:** This session will involve hands-on training for weed identification techniques and practice identifying weed seedlings. Key plant structural features to help identify weeds will be highlighted along with common characteristics of weeds within taxonomic families. Differences in broadleaf and grass weed seedling development and implications for control options will be covered. Participants will have an opportunity to identify weed seedlings from live samples.

**About Sarah:** Sarah Lancaster, PhD is an Assistant Professor and Extension Specialist at the KSU Agronomy Department. She was raised on an integrated crop and livestock farm in east central Missouri and holds degrees from University of Missouri, North Carolina State University, and Texas A&M University.

**Rotation Core Hour**

Kansas Dept. of Agriculture | Credit: 1.0, CORE

**2:00 p.m. 1A Commercial Applicator Exam**

Administered by: Kansas Dept. of Agriculture

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