

## Sponsor recognition

Thank you to our sponsors for their support of the South Central Agricultural Laboratory Field Day. At the time of this publication, we wish to acknowledge the Nebraska Soybean Board and the Clay County Corn Growers. A complete list will be available at the field day.

## Planning Committee:

- Leonardo Bastos, UNL PhD Candidate in Soil Fertility/Precision Ag
- Roger Elmore, Nebraska Extension Cropping Systems Agronomist
- Sharon Hachtel, Office Associate
- Suat Irmak, Harold W. Eberhard Distinguished Professor of Biological Systems Engineering
- Tamra Jackson-Ziems, Nebraska Extension Plant Pathologist
- Amit Jhala, Nebraska Extension Weed Management Specialist
- Michael Schlick, Research Farm Manager
- John Westra, Associate Director, University of Nebraska Southeast Extension
- Robert Wright, Nebraska Extension Entomologist



University of Nebraska–Lincoln Institute of Agriculture and Natural Resources

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**SOUTH CENTRAL AGRICULTURAL LABORATORY**

*Institute of Agriculture and Natural Resources*

## South Central Agricultural Laboratory Field Day

Wednesday, Aug. 29

8:30 a.m. – 4:00 p.m.

Clay Center, NE

**Register  
online  
by Aug. 26**

*CCA credits available*



## Agenda

**8:30 a.m.**

Registration and view posters  
Enjoy rolls & coffee!

**8:55 a.m.**

Welcome and overview of the day  
*John Westra, Associate Director,  
University of Nebraska Southeast Extension*

**9:00 a.m. – 10:20 a.m.**

*Choose a tour – Cover Crops, Disease  
Management, or Water Management\**

**10:30 a.m. - 11:50 a.m.**

*Choose a tour – Insect Management, Nutrient  
Management, or Weed Management\**

**12:00 p.m. – 1:00 p.m.**

Lunch and Keynote Speaker  
*Mike Boehm, University of Nebraska-Lincoln  
Harlan Vice Chancellor for the Institute of  
Agriculture and Natural Resources and  
University of Nebraska vice president for  
Agriculture and Natural Resources.*

**1:00 p.m. – 2:20 p.m.**

*Choose a tour – Cover Crops, Disease  
Management, or Water Management\**

**2:30 p.m. - 3:50 p.m.**

*Choose a tour – Insect Management, Nutrient  
Management, or Weed Management\**

**4:00 p.m.**

End of field day. Thank you for coming.  
Have a good trip home!

**\*Tours depart from the shop area**

## Register Online

Register online at:

<https://go.unl.edu/2018scalfieldday>

by Aug. 26 for lunch planning purposes

## Map/Directions



South Central Agricultural Laboratory  
Research Farm is located at 851 Hwy. 6  
near Harvard, NE

*Directions:* 13 miles east of Hastings on  
Hwy. 6 or 4.5 miles west of the intersection  
of Hwy. 14 and Hwy. 6 north of Clay  
Center.

*GPS Coordinates:* 40.57539, -98.13776

## Contact Information

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<https://scal.unl.edu>

[shachtel1@unl.edu](mailto:shachtel1@unl.edu)



UNL.SCAL



Approximately 100+ applied field research trials are conducted at SCAL annually by University of Nebraska-Lincoln faculty and United States Department of Agriculture/Agricultural Research Service scientists. Trials are focused on irrigation and water management, soil fertility, entomology, weed science, cropping systems, disease management, and crop variety testing. Field day speakers will share information about their research for improved crop production and profitability.

Continuing Education Units have been applied for and are pending.



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## At-a-Glance Field Day Schedule *Refreshments provided under the big tent all day*

<b>8:30 a.m. - 8:50 a.m.</b> Registration Coffee & Rolls	<b>8:50 a.m. - 9:00 a.m.</b> Tours depart from shop area	<b>9:00 a.m. - 10:20 a.m.</b> Session 1	<b>10:20 a.m. - 10:30 a.m.</b> Tours move to next session of your choice	<b>10:30 a.m. - 11:50 a.m.</b> Session 2	<b>11:50 a.m. - 12:00 p.m.</b> Return to shop area	<b>12:00 p.m. - 12:50 p.m.</b> Lunch & Speakers	<b>12:50 p.m. - 1:00 p.m.</b> Tours depart from shop area	<b>1:00 p.m. - 2:20 p.m.</b> Session 3	<b>2:20 p.m. - 2:30 p.m.</b> Tours move to next session of your choice	<b>2:30 p.m. - 3:50 p.m.</b> Session 4	<b>3:50 p.m. - 4:00 p.m.</b> Tours conclude. Return to shop area.
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## Field Day Tour Details – Topics and presenters

Attend 4 of the 6 sessions.

Morning sessions are repeated in the afternoon (except Water Management see below)

### Cropping Systems

- From cover crops to corn ear issues-  
*Roger Elmore, Nebraska Extension Cropping Systems Agronomist; Katja Koehler-Cole, UNL Agronomy Post-Doctoral Research Associate; Justin McMechan, University of Nebraska Crop Protection and Cropping Systems Specialist; and Osler Ortez Amador, UNL PhD Graduate Student*

### Insect Management

- European corn borer, Corn rootworm, and Western bean cutworm  
*Robert Wright, Nebraska Extension Entomologist*

### Weed Management

- Opportunities and challenges for weed control in soybean  
*Amit Jhala, Nebraska Extension Weed Management Specialist*

### From Inhibitors to Sensors

- Nitrogen fertilizer management in irrigated corn  
*Leonardo Bastos, UNL PhD Candidate in Soil Fertility/Precision Ag; Brian Krienke, Nebraska Soils Extension Educator; and Joe Luck, Nebraska Extension Precision Ag Specialist*

### Disease Management

- Corn and soybean disease updates  
*Tamra Jackson-Ziems, Nebraska Extension Plant Pathologist*

### Water Management

- Fundamentals of variable rate irrigation and fertigation in comparison to fixed rate irrigation and conventional fertilizer management (morning)  
- Impact of cover crops on soil quality (afternoon)  
*Suat Irmak, Harold W. Eberhard Distinguished Professor of Biological Systems Engineering*

**Register online by Aug. 26**

