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Pre-registration welcome. Go to
<http://agronomy.unl.edu/fieldday>

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N EXTENSION



Weed Management & Cover Crops Field Day

Including On-site Demonstration of New Technologies & Herbicides for Weed Control in Corn, Soybean, and Sorghum and Cover Crops Research



Wednesday
June 27, 2018

8:30 a.m. – 3 p.m.
South Central Ag Lab
Clay Center, NE

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Agenda

8:00 a.m.

Registration (no cost)
Enjoy rolls & coffee!

All tours depart from the shop building area.

8:30 – 10:00 a.m.

Demonstration of projects for weed control in soybean

10:00 – 10:15 a.m.

Break (Refreshments provided)

10:15 a.m. – Noon

Demonstration of projects for weed control in corn and popcorn

12:00 – 1:00 p.m.

Lunch (Free)

1:00 – 3:00 p.m.

Cover crops research demonstrations

3:00 p.m.

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

CCA Credits are available.

Map



Directions

South Central Ag. Lab is located 4.5 miles west of Hwy 14 south (to Clay Center) & Hwy 6 Intersection, or 12.4 miles east of Hastings on Hwy 6. GPS Coordinates: 40.57539, -98.13776

Organizers:

Dr. Amit Jhala – Extension Weed Management Specialist

Dr. Roger Elmore – Cropping Systems Specialist

Support Staff: Irvin Schleufer, Sharon Hachtel, Michael Schlick and Caleb Wilford

Extension Specialist: Justin McMechan

Extension Educators: Ron Seymour, Chris Proctor, Jennifer Rees and Todd Whitney

Postdoctoral Scientists: Parminder Chahal, Katja Cole and Sabrina Ruis

Graduate Students: Ethann Barnes and Adam Striegel

At-a-Glance Weed Management and Cover Crop Field Day Schedule

8:00 – 8:30 a.m.	8:30 – 10:00 a.m.	10:00 – 10:15 a.m.	10:15 – Noon	12:00 – 1:00 p.m.	1:00 – 3:00 p.m.	3:00 p.m.
Registration Coffee & Rolls	Weed Control in Soybean	Break with refreshments provided	Weed Control in Corn & Popcorn	Lunch (free)	Cover Crops Research	End of Field Day

Weed Management Tour Details

Tour 1: On-Site Demonstration of New Technology/ Herbicides for Weed Control in Soybean

- 1. Comparison of Herbicide Programs for Weed Control in Soybean:** Unbiased comparison of several herbicide programs of different companies for weed control in Roundup Ready 2 Xtend and Liberty Link soybeans. New herbicides and multiple herbicide-resistant soybean cultivars will be discussed.
- 2. What NOT to do?** Considering several herbicide-resistant soybean traits, it is important to know which cultivar you have planted and spray herbicide accordingly. Demonstration plots will be shown to determine if you apply wrong herbicide.
- 3. Soybean yield and critical time for weed removal as influenced by soil applied herbicide:** Soybean must be kept weed free early in the season in order to avoid yield loss due to weed competition. Weeds will be removed at certain soybean growth stages and soybean yield will be determined.
- 4. Weed control and crop safety in MGI soybean:** Understand multiple herbicide-resistant soybean and herbicide programs for weed control and crop safety.

Tour 2: On-Site Demonstration of Herbicides for Weed Control in Corn

- 1. Comparison of Herbicide Programs for Weed Control in Corn:** Unbiased comparison of several herbicide programs by different companies for weed control in glyphosate plus glufosinate-resistant corn. Several new herbicides in corn will be discussed.
- 2. Response of white and yellow popcorn hybrids to glyphosate, Enlist DUO, or XtendiMax (26):** Nebraska is number one producer of popcorn in the USA. With commercialization of Xtend soybean and Enlist corn, off target movement of dicamba, glyphosate, 2,4-D may injure popcorn. Response of white and yellow popcorn to these herbicides will be demonstrated.
- 3. Control of Roundup Ready/LibertyLink volunteer corn in Enlist Corn:** Volunteer corn is an important weed in corn-soybean cropping systems. Several fields in Nebraska are continuous corn and control of volunteer corn is a challenge. A project will be demonstrated to control volunteer corn in Enlist corn.
- 4. Weed control and crop response in INZEN Sorghum:** INZEN sorghum is resistant to ALS inhibiting herbicide–nicosulfuron (Zest). Herbicide programs will be discussed for weed control in INZEN sorghum.

Cover Crop Tour Details

Tour 3: On-Site Demonstration of Cover Crops

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| 1 – 1:15 p.m. | Travel from the shop to Location 1 |
| 1:15 – 2:00 p.m. | Location 1 – This session will provide an overview on the effects of cover crops on weed suppression, pests (particularly wheat stem maggot) and beneficial insects. |
| 2:00 – 2:15 p.m. | Travel from Location 1 to Location 2. |
| 2:15 – 3:00 p.m. | Location 2 – This session will be on cover crop effects on soil health, including changes in soil microbial communities and soil physical properties with a focus on cover crop root biomass. |
| 3:00 p.m. | Transport back to the shop. |

**Optimizing Soybean Planting Date, Seeding Rate, & Seeding Depth in Nebraska:
Dr. Jim Specht, Professor Emeritus, UNL**