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Pre-registration welcome at
agronomy.unl.edu/fieldday

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Weed Management Field Day

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

FREE TO ATTEND.
PRE-REGISTRATION REQUIRED.
agronomy.unl.edu/fieldday

Wednesday
June 23, 2021

9 a.m. – 1 p.m.
South Central Ag Lab
Clay Center, NE



Agenda

8:30 – 9 a.m.

Registration (no cost)
Enjoy rolls & coffee!

All tours depart from the shop building area.

9 – 10 a.m.

Demonstration of projects for weed control in soybean

10 – 10:15 a.m.

Break (Refreshments provided)

10:15 a.m. – Noon

Demonstration of projects for weed control in corn and sorghum

12 – 1:00 p.m.

Lunch (Free)

1 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:

Amit Jhala – Extension Weed Management Specialist

SUPPORT STAFF:

Irvin Schleufer, Mike Schlick and Sharon Hachtel

EXTENSION EDUCATORS:

Jennifer Rees, Michael Sindelar and Nathan Mueller

GRADUATE STUDENTS

Trey Stevens, William Neels, Shawn McDonald, Jasmine Mausbach, Ramandeep Kaur and Mandeep Singh

At-a-Glance Weed Management Field Day Schedule

8:30 – 9 a.m.

Registration
Coffee & Rolls

9 – 10 a.m.

Weed Control
in Soybean

10 – 10:15 a.m.

Break with
refreshments provided

10:15 – Noon

Weed Control in
Corn & Sorghum

12 – 1 p.m.

Lunch (free)

Weed Management Tour Details

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

- 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 Enlist soybean. New herbicides and multiple herbicide-resistant soybean cultivars will be discussed.
- 2. Weed Control and Crop Safety in XtendFlex Soybean:** Understand soybean resistant to dicamba, glyphosate, and glufosinate and herbicide programs and their crop safety.
- 3. Weed Control and Crop Safety in Enlist Soybean:** Understand soybean resistant to 2,4-D choline, glyphosate, and glufosinate and their crop safety.
- 4. Planting Green and Residual Herbicide Interaction:** Planting green refers to no-till planting of the primary crop into actively growing cover crop. Cereal rye is the most commonly planted cover crop in corn/soybean cropping systems in Nebraska. The objectives of this project are (1) To evaluate effect of planting green on performance of residual herbicides applied pre-emergence for weed control in soybean, and (2) Effect of early termination of cereal rye versus planting green on soil health, weed control, and soybean yield.

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

- 1. Comparison of Herbicide Programs for Weed Control in Corn:** Unbiased comparison of herbicide programs by different companies for weed control in Roundup Ready/LibertyLink corn. New herbicides in corn will be discussed.
- 2. Control of XtendFlex Soybean Volunteers in Enlist Corn:** Volunteer soybean is not a major issue in corn-soybean cropping systems; however, sometimes it can be an issue. Projects will be demonstrated to control XtendFlex soybean volunteers with PRE and POST herbicides in Enlist corn.
- 3. Control of Johnsongrass in Roundup Ready Sweet Corn:** Grass weed control is a challenge for sweet corn growers. Herbicide options for control of johnsongrass and foxtail in popcorn and Roundup Ready sweet corn will be discussed.
- 4. Comparison of herbicide programs for weed control in herbicide-resistant sorghum:** The objective of this study is to compare weed control in iGrowth, Double Tree, and Inzen Sorghum traits.
- 5. Evaluating Atrazine Alternatives for Weed Control in Field Corn:** Atrazine is one of the most commonly used herbicides in Nebraska corn production. Due to increasing concern of surface and ground water contamination of atrazine, it is possible that US EPA may restrict atrazine use that will require alternative herbicides for weed control in corn. Herbicide programs without atrazine will be discussed and their performance for residual weed control in corn will be demonstrated.