

Views from VanDeWalle

Brandy VanDeWalle, Extension Educator in Fillmore/Clay Counties

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South Central Ag Lab Field Day

On Wednesday, June 28, 2023, Nebraska Extension will be hosting a South-Central Ag Lab (SCAL) Field Day focusing on weed control. The free program starts at 9:00 a.m. with registration at 8:30 a.m. Pre-registration is appreciated for meal planning. All tours depart from the tent at SCAL. There will be a demonstration of projects for weed control in soybean, corn, and sorghum. Tours will feature on-site demonstration of new technology/herbicides for weed control in soybean and sorghum. Other topics include:

- Planting Green and Residual Herbicide Interaction in soybean: Planting green refers to no-till planting of the primary crop into actively growing cover crop. Cereal rye is the most 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.
- Inter-seeding Small Grains (Barley, Oat, and Wheat) in Soybean for Weed Suppression: Evaluate the effect of inter-seeding small grains into soybean on weed suppression and soybean yield and grain quality.
- Comparison of Herbicide Programs for Weed Control in Soybean: Unbiased compare of several herbicide programs of different companies for weed control in Roundup Ready 2 Xtend and Enlist soybean. New herbicides and multiple herbicide-resistant soybeans will be discussed for management of herbicide-resistant weeds.
- Evaluating Pre-emergence Herbicides for Weed Control in XtendFlex Soybean: Dicamba (XtendiMax) applied alone or in a mixture with other herbicides will be evaluated for early season weed control in XtendFlex soybean.
- 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.
- Control of Corn Volunteers in Enlist Corn: Volunteer corn is a major weed in corn-soybean cropping systems. Project will demonstrate how to control volunteer corn in Enlist corn using Assure II and a premix of glufosinate (Liberty) + FOP.
- Evaluating Surtain (saflufenacil + pyroxasulfone) for weed control and crop safety in corn: Surtain is the new Kixor herbicide based on solid-encapsulation technology, enabling pre- and post-emergence application for weed control in corn.
- Control of Corn Volunteers in iGrowth Sorghum: When sorghum is planted after corn, corn volunteer is a major weed. iGrowth sorghum is a new herbicide-resistant sorghum that provides an opportunity for post-emergence control of grass weeds, including corn volunteers. ImiFlex (imazamox) will be evaluated for control of corn volunteers.

For more information and to register, go to <https://agronomy.unl.edu/fieldday>. The 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.

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