

**TUESDAY, AUGUST 4, AT SHICKLEY, NEB.**

## Including on-site demonstrations of projects for control of Atrazine and HPPD inhibitor-resistant Palmer amaranth in field and seed corn

- Palmer amaranth, a member of the pigweed (Amaranthaceae) family, is one of the most troublesome weeds in corn fields.
- Atrazine and HPPD-inhibiting herbicides-(Callisto, Laudis, Impact) resistant Palmer amaranth in south central Nebraska is of particular concern because of the proximity to intense seed corn production, which is heavily reliant on these herbicides for weed control.
- Greenhouse dose-response studies have confirmed resistance when atrazine and HPPD inhibitors were applied post-emergence.
- Field experiments will demonstrate how to control resistant Palmer amaranth in field and seed corn production fields in Nebraska.

### On-Site Demonstration of Projects



- Dose response of Atrazine, Callisto, Corvus, Balance Flexx applied pre-emergence to Palmer amaranth in field corn
- Tank mixing Atrazine with Callisto or Balance PRO at different rates for control of Palmer amaranth
- Tank mixing Atrazine with Callisto, Laudis, or Armezone applied post-emergence for control of Palmer amaranth
- Herbicide programs for resistant Palmer amaranth control in seed corn
- Management of Palmer amaranth in
  - Roundup Ready Corn
  - Liberty Link Corn
- Evaluate programs of Corvus or Balance Flexx followed by DiFlexx in Roundup Ready corn
- Understanding emergence of Palmer amaranth for most effective control
- Understanding effect of tillage on Palmer amaranth emergence
- Overlapping residual herbicides for Palmer amaranth control in field corn

### Keynote Speaker



Dr. Curtis Thompson, Professor of Weed Science and State Extension Agronomy Leader with Kansas State University will be the keynote speaker for the Field Day. Dr. Thompson has been with Kansas State University since 1993. He was the first to confirm atrazine and HPPD inhibitors-resistant Palmer amaranth in Kansas and conducted several field experiments for management of this problem weed in Kansas.

### Three CCA Credits are available.

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.

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### FIELD DAY SCHEDULE

- 8:30 am Registration (no cost)  
Enjoy Rolls and Coffee
- 9:00 am Welcome
- 9:05 am Palmer amaranth Introduction
- 9:20 am Field Day Tours
- 12 pm Lunch (free)
- 12:15 pm Keynote Speaker
- 1:30 pm Adjourn

### DIRECTIONS

From Geneva, NE go south on Hwy 81 for 7 miles. Turn west onto Hwy 74 for 12 miles. Turn north on Rd 2 for 3 miles. Turn west on Rd. Q for 0.1 mile. Farm field is located on the north side of Rd Q. Click map for directions.



### FOR MORE INFORMATION, CONTACT

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**TWO WAYS TO REGISTER:**

**While there is no cost to attend this program, registrations are needed by August 3 for meal and tour logistics.**

**SAVE TIME AND GO ONLINE** at <http://agronomy.unl.edu/weedresistmgt>

**OR FILL OUT THE FORM BELOW AND MAIL OR FAX TO:**

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