

A Short Course on Herbicide Modes of Action and Herbicide Resistance

Thomas C Mueller¹, Todd Gaines², Dale Shaner², Franck Dayan²

¹University of Tennessee, Knoxville, TN

²Colorado State University, Fort Collins, CO



Introduction

- Do you need a concentrated, focused short course to refresh your knowledge of herbicide modes of action and herbicide resistance? This is the course for you!!
- www.tnwss.org
- 2019 course is planned to be held August 5-8, 2019 in Fort Collins, CO

What is included in the course

1. >26 hours of instruction, hands-on demonstrations and field trips
2. All students receive comprehensive workbook detailing course content

What does the course cost?

Course fee is \$1000 per person
Course materials and handouts included with registration

Hotels and meals not included in registration.

www.tnwss.org for details

Instructors/presenters



Steve Duke, USDA-ARS PhD, Duke University. Published > 400 peer-reviewed articles (as well as numerous books).



Dale L. Shaner PhD, University of Illinois. Weed science researcher for 36 years at University of California, Riverside, American Cyanamid/ BASF and USDA-ARS. Expertise in herbicide mechanism of action, herbicide resistance and herbicide-soil-plant interactions.



Patrick J. Tranel, University of Illinois PhD, Michigan State University. Professor with expertise in herbicide resistance and weed molecular biology, genetics, and genomics.



Todd A. Gaines, Colorado State Univ. PhD, Colorado State University Assistant Professor. Areas of emphasis include molecular biology and genetics of herbicide resistance, and developing novel traits in crops through mutagenesis.



Peter Sikkema, University of Guelph PhD, University of Western Ontario. Peter conducts research on weed management in corn, soybean, cereals and edible beans. Peter has published more than 300 peer-reviewed manuscripts and was the author/co-author of more than 300 presentations at scientific conferences.



Franck E. Dayan, Colorado State University PhD Auburn University. Research Plant Physiologist for more than 20 years. Area of emphasis includes the mode of action of natural and synthetic herbicides, and mechanisms of resistance to herbicides.

Field image



Attendees tour field plots at previous Short Course

Closing thoughts

TN Weed Science Short Course
On Herbicide Modes of Action and
Resistance in Weeds
www.tnwss.org

August 5-8, 2019
Fort Collins, CO

Lory Student Center
Colorado State University
Fort Collins, CO 80523-8033
970-491-0229

For more information

Contact: Tom Mueller, Coordinator
phone = 865-974-8805
tmueller@utk.edu

Tennessee Weed Science Society
P. O. Box 53141
Knoxville, TN 37950

www.tnwss.org