



# Advanced Crop Advisers Workshop

Feb. 28 and  
March 1, 2017

Holiday Inn  
I-29 and 13th Ave. S., Fargo

Sponsored by

NDSU EXTENSION  
SERVICE



UNIVERSITY OF MINNESOTA  
EXTENSION  
Driven to Discover<sup>SM</sup>

## Audience

This is an advanced workshop for agricultural professionals, including crop consultants, agronomists, Extension agents and agribusiness representatives, who advise farmers with crop production recommendations.

## Agenda

### Tuesday, Feb. 28

#### Morning

- 9 Registration (Atrium) and refreshments (Royale)
- 9:45 General Session: **Introduction** (Royale)
- 10 Concurrent Sessions: 1) **Weed management with cover crops**, 2) **No-till**, 3) **Farm Profitability** (participants will be able to attend three of four concurrent sessions during this day)
- 11:30 Lunch and General Session: **NDSU Football – Ag Influence** (Royale)  
*Chris Klieman*  
He will review football season highlights and discuss agriculture's influence on the program.

#### Afternoon

- 12:45 Concurrent Sessions: 1) **Weed management with cover crops**, 2) **No-till**, 3) **Disease/insect update**
- 2:15 **Break**
- 2:45 Concurrent Sessions: 1) **Disease/insect update**, 2) **Farm Profitability**
- 4:15 General Session: **Utilizing Iowa Experience to Assist Us With Managing Herbicide-resistant Weeds** (Royale)  
*Bob Hartzler*  
Our region is being invaded rapidly with glyphosate-resistant weeds. An overview of Iowa experiences will be shared to assist us

as weed management plans are developed for 2017 and beyond.

(1 continuing education unit (CEU) – pest management)

### Wednesday, March 1

#### Morning

- 8 Breakfast (Royale) and registration (Atrium)
- 8:20 General Session: **Getting to Our “Happy Place”: The Route to Pesticide and Plant Trait Labeling** (Royale)  
*Jerry Sauter*  
This is a quick refresher on federal, state and emergency pesticide labeling, and how this process plays out in light of the new herbicide-resistant traits and the new formulations of old active ingredients.  
(1 CEU – pest management)
- 9:15 Concurrent Sessions: 1) **Forages**, 2) **Neonic insecticides**, 3) **Alternative crop weed management** (participants will be able to attend two of three concurrent sessions during this day)
- 10:45 **Break**
- 11 Concurrent Sessions: 1) **Forages**, 2) **Neonic insecticides**, 3) **Alternative crop weed management**

#### Afternoon

- 12:30 Lunch (Royale)
- 1:15 General Session: **Mining Field Data to Discover Increased Crop Value** (Royale)  
*Grant Mehring and Jochum Wiersma*  
Topics include procedures to conduct on-farm research to generate useful data, using statistics to properly interpret data and the potential for big data use to make crop management decisions.  
(1.5 CEUs – crop management)
- 3 **Workshop ends**

# Concurrent Sessions

## Feb. 28

### ■ Herbicide and Weed Control Considerations With Cover Crops (Executive Room)

Bob Hartzler, Kirk Howatt and Mike Ostlie

They will review herbicide factors to consider when using cover crops, emphasizing plant species' tolerance of soil herbicide residues. Discussion will include the use of cover crops as a tool for integrated weed management.

(1.5 CEUs – 1 crop management and 0.5 pest management)

### ■ Successful No-till Systems in High-clay Soils (Board Room)

Boomer Patterson, Doug Toussaint and Nick Vinje

Some producers have a deep fear of converting from conventional tillage to no-till or strip-till systems. The panel consists of farmers who have had long-term success with no-till or decided to make the plunge and have been successful so far. They will explain why they do it, how they do it and some of the challenges of high-clay soils.

(1.5 CEUs – soil and water management)

### ■ Some Plant Disease Here and a Few Insects There (Directors Room)

Dean Malvick, Janet Knodel, Pat Beauzay and Phillip Glogoza

They will discuss a new corn disease and provide updates on soybean diseases and management. They also will talk about a few new insects to watch and some new products for controlling old adversaries, and provide other updates of interest.

(1.5 CEUs – pest management)

### ■ 2017 Outlook for Farm Profitability: Agricultural Liens' Impact on Your Agronomy Business (Conference Room)

Randy Martinson, Jeff Peterson and Josh Tjosaas

This session will review the outlook for 2017 farm profitability. Participants will receive a summary of the 2017 crop price outlook and grain marketing strategies, and learn about 2017 projected cash flows and breakeven for area crops. This session is a primer on the basics of Minnesota/North Dakota agricultural liens and their impact on your agronomy business.

(1.5 CEUs – crop management)

## March 1

### ■ Insights on Corn Silage Hybrids and Salt-tolerant Alfalfa Varieties (Executive Room)

Francis Glenn and Mike Velde

This session will offer two unique subjects: 1) advantages of silage-specific versus dual-purpose corn hybrids and 2) development of salt-tolerant alfalfa varieties and their role in managing saline soils.

(1.5 CEUs – crop management)

### ■ Neonicotinoid Insecticides: Balancing Pollinator Protection and Insect Management (Board Room)

Art Schaafsma, Bonnie Woodworth and Raj Mann

This session is a review of the concerns about neonic insecticides, the problems perceived by regional beekeepers and regulatory moves in the face of these concerns.

(1.5 CEUs – pest management)

### ■ Opportunities With Nonherbicide-tolerant Crops on a Farm's Long-term Weed Management (Directors Room)

Darren Dunham, Chris Johnson and Dave Willis

A panel of consultants will discuss their experiences with weed control in crop rotations that include small-grain and other nonherbicide-tolerant crops. The interactive session has the goal of helping you put together a plan for multiyear weed control.

(1.5 CEUs – pest management)

# Preregistration

**Preregistration (including fee payment) is required by Feb. 20. The workshop fee is \$140 per person (\$75 for one-day attendance). The workshop is limited to 150 people. Preregistrations will be accepted on a first-come basis. The event has filled before the preregistration deadline in recent years.**

**Walk-in registrations will not be accepted.**

## Workshop Instructors

Pat Beauzay	NDSU, Fargo
Darren Dunham	Centrol, Maxbass, N.D.
Francis Glenn	Glenn Seed, Blenheim, Ontario
Phillip Glogoza	University of Minnesota, Moorhead
Bob Hartzler	Iowa State University, Ames
Kirk Howatt	NDSU, Fargo
Chris Johnson	Centrol, Horace, N.D.
Chris Klieman	NDSU, Fargo
Janet Knodel	NDSU, Fargo
Dean Malvick	University of Minnesota, St. Paul
Raj Mann	Minnesota Department of Agriculture, St. Paul
Randy Martinson	Martinson Ag Risk Management, Fargo
Grant Mehring	NDSU and North Dakota Corn Growers Association, Fargo

Mike Ostlie	NDSU, Carrington
Boomer Patterson	Bottineau, N.D.
Jeff Peterson	Gray Plant Mooty, St. Cloud, Minn.
Jerry Sauter	North Dakota Department of Agriculture, Bismarck

Art Schaafsma	University of Guelph, Ontario
Doug Toussaint	Wahpeton, N.D.
Josh Tjosaas	Northland Farm Business Management, Moorhead, Minn.

Mike Velde	Legacy Seeds, Clinton, Wis.
Nick Vinje	Gardner, N.D.
Jochum Wiersma	University of Minnesota, Crookston
Dave Willis	Agassiz Crop Management, Thief River Falls, Minn.

Bonnie Woodworth	North Dakota Beekeepers Association, Halliday, N.D.
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## Workshop Planning Committee

Greg Endres	701-652-2951
co-chair	NDSU, Carrington, N.D.
Phillip Glogoza	218-236-2008
co-chair	University of Minnesota Extension, Moorhead
Jerry Arneson	Bell Bank, Moorhead, Minn.
Darren Dunham	Centrol, Maxbass, N.D.
Dave Franzen	NDSU, Fargo
Robbie Holthusen	Syngenta, Fargo, N.D.
Chris Johnson	Centrol, Horace, N.D.
Brian Kuehl	West Central, Fargo, N.D.
Greg LaPlante	GL Consulting, Wahpeton, N.D.
Randy Nelson	University of Minnesota Extension, Moorhead
Adam Spelhaug	Peterson Farms Seed, Harwood, N.D.

## Hotels

The following hotels are offering discounted room rates for workshop participants. If making a room reservation, identify yourself as an Advanced Crop Adviser Workshop participant.

Holiday Inn: 877-282-2700 or 701-282-2700  
[www.fargohi.com](http://www.fargohi.com)

Expressway Suites: 877-239-4303 or 701-239-4303;  
[www.expresswaysuitesfargo.com](http://www.expresswaysuitesfargo.com)



## Preregistration Form Advanced Crop Advisers Workshop

Electronic registration and credit card payment can be submitted at [www.tinyurl.com/CRECstore](http://www.tinyurl.com/CRECstore)

or

[https://epayment.ndus.nodak.edu/C22800\\_ustores/web/store\\_main.jsp?STOREID=29&SINGLESTORE=true](https://epayment.ndus.nodak.edu/C22800_ustores/web/store_main.jsp?STOREID=29&SINGLESTORE=true)

(Please print or type)

Name(s) \_\_\_\_\_

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Organization \_\_\_\_\_

\_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_ Phone ( ) \_\_\_\_\_

Email \_\_\_\_\_

**Fee:** \$140 per person required by Feb. 20.

Fee for one day attendance is \$75.

If one day, please indicate day of attendance:

☐ Feb. 28 or ☐ March 1

**Please make check payable to:**

Advanced Crop Advisers Workshop

**Return form and fee to:**

Advanced Crop Advisers Workshop  
c/o Linda Schuster  
Carrington Research Extension Center  
P.O. Box 219  
Carrington, ND 58421

(701) 652-2951 fax (701) 652-2055  
Email: [linda.schuster@ndsu.edu](mailto:linda.schuster@ndsu.edu)

*Requests for accommodations related to disability should be made to Linda Schuster at (701) 652-2951 by Feb. 20, 2017.*