



Advanced Crop Advisers Workshop

Feb. 12-13, 2019

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

Sponsored by



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. 12

Morning –

- 9 **Registration** (Atrium) and refreshments (Royale) “40 Chances” provided by Buffett Foundation
- 9:45 **General Session: Introduction** (Royale)
- 10 **General Session: Cash Flow Challenges: 2019 Outlook for Farm Profitability** (Royale)
Josh Tjosaas and Randy Zimmerman
This session will review 2018 farm profitability, 2019 projected cash flows and the breakeven for area crops. It also includes a summary of the 2019 crop price outlook and grain marketing strategies. (1 continuing education unit [CEU] – crop management)
- 11 **Concurrent Sessions:**
1) CSI, 2) Acid soils and 3) Corn disease (Participants will be able to attend three of five concurrent sessions during the day.)

Afternoon –

- 12:30 **Lunch and recognition of the North Dakota Certified Crop Adviser of the Year** (Royale)
- 1:15 **Concurrent Sessions:**
1) CSI, 2) Conservation till fertility and 3) Corn disease
- 2:45 **Break**
- 3:15 **Concurrent Sessions:**
1) Data, 2) Conservation till fertility and 3) Acid soils
- 4:45 **Adjourn**

Wednesday, Feb. 13

Morning –

- 8 **Breakfast** (Royale) and **registration** (Atrium)
- 8:15 **General Session: Weather: 2018 Harvest, 2019 Forecast and Utilizing NDAWN** (Royale)
Daryl Ritchison
This discussion will examine weather details that challenged the fall 2018 harvest. It also will include the forecast for 2019 and information on utilizing NDAWN data for crop management. (0.5 CEU – crop management)
- 9 **Concurrent Sessions:**
1) Soybean environment, 2) Alternative crops and 3) Cover crops (Participants will be able to attend three of four concurrent sessions during the day.)
- 10:30 **Break**
- 11 **Concurrent Sessions: 1) Herbicide layers, 2) Alternative crops and 3) Cover crops**

Afternoon –

- 12:30 **Lunch** (Royale)
- 1:15 **Concurrent Sessions: 1) Herbicide layers and 2) Soybean environment**
- 3 **Workshop ends**

CEUs

Certified crop advisers will have the opportunity to receive 10.5 continuing education units by attending both days of the workshop.

Hotel

The following hotel is 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

Concurrent Sessions

Tuesday, Feb. 12

■ CSI: Crop Detective (Executive and Board Rooms)

John Breker, Jason Hanson and David Willis

This discussion will help take the mystery out of field investigations.

(0.5 CEU – crop management; 0.5 CEU – nutrient management; 0.5 CEU – pest management)

■ Taking the Burn Out of Acid Soils (Directors Room – morning; Conference Room – late afternoon)

Jason Clark, Dave Franzen and Tom DeSutter

This session will include soil chemistry related to soil pH, the use of sugar beet lime and other lime sources, the impact of lime on soils that are incorporated or not, the problem of pH stratification in continuous no-till soils, and different methods for determining lime requirement for acid soil correction.

(0.5 CEU – nutrient management;
1.0 CEU – soil and water management)

■ Management of New and Re-emerging Corn Diseases (Conference Room)

Damon Smith

From bacterial leaf streak to tar spot, new diseases were found recently in Midwest corn fields. In addition, we have seen a re-emergence of diseases such as ear mold and stalk rot.

This session will detail research to learn how these new and re-emerging diseases may impact corn yield potential and how best to manage them.

(1.5 CEUs – pest management)

■ Soil Fertility in Strip and No-till Systems (Directors Room)

Dave Franzen and Fabian Fernandez

When consultants and farmers are used to throwing on fertilizer and working it in, the transition to no-till or strip-till includes considering fertilizer management as part of the system.

This session will provide some alternative methods for successful production in reduced-till systems.

(1.5 CEUs – nutrient management)

■ What is Data? What is Good Data? (Executive and Board Rooms)

Paul Bruns and Kelly Sharpe

This session is about how to utilize raw data, what happens to data in the cloud, and the process for producing good-quality data.

(1.5 CEU – crop management)

Wednesday, Feb. 13

■ Environmental Impacts on Soybean Production (Executive and Board Rooms – early morning; Directors Room – afternoon)

Seth Naeve

How does our challenging environment play a role on overall soybean development and yield? What management, if any, can we do to minimize these negative effects of our region?

(1.5 CEUs – crop management)

■ Cover Crops: Challenges With Integration in Row Crops (Directors Room)

Dave Franzen, Alan Peterson and Joel Ransom

NDSU research will be shared on the use of cover crops as companions in corn and soybean production, plus N management consequences with cover crops.

(1 CEU – crop management; 0.5 CEU – nutrient management)

■ Growing Something Besides Corn and Soybean: Production Issues With Alternative Crops (Conference Room)

Shana Forster and Michael Wunsch

Agronomic and disease management challenges and solutions in the production of pulses and alternative oilseeds will be discussed.

(1 CEU – crop management; 0.5 CEU – pest management)

■ Layers for Licking Weeds (Executive and Board Rooms)

Jeff Gunsolus, Joe Ikley and Tom Peters

Regional Extension weed specialists will lead a discussion on integrated weed management, emphasizing herbicide plus cultural and mechanical layers, to manage prominent herbicide-resistant weeds across crop sequences.

(1.5 CEUs – pest management)

Workshop Instructors

John Breker
Paul Bruns

Agvise, Northwood, N.D.
Precision Consulting Services,
Canby, Minn.

Jason Clark
Tom DeSutter
Fabian Fernandez
Shana Forster
Dave Franzen
Jeff Gunsolus
Jason Hanson
Joe Ikley
Seth Naeve
Tom Peters

South Dakota State University, Brookings
NDSU, Fargo
University of Minnesota, St. Paul
NDSU, Minot, N.D.
NDSU, Fargo
University of Minnesota, St. Paul
Rock and Roll Agronomy, Webster, N.D.
NDSU, Fargo
University of Minnesota, St. Paul
NDSU, Fargo, and
University of Minnesota

Alan Peterson
Joel Ransom
Daryl Ritchison
Kelly Sharpe
Damon Smith
Josh Tjosaas

NDSU, Fargo
NDSU, Fargo
NDSU, Fargo
GK Technology, Halstad, Minn.
University of Wisconsin, Madison
Northland Community &
Technical College, Moorhead

David Willis

Agassiz Crop Management,
Thief River Falls, Minn.

Michael Wunsch
Randy Zimmerman

NDSU, Carrington, N.D.
West Central Ag Services, Ulen, Minn.

Workshop Planning Committee

Greg Endres
co-chair

701-652-2951
NDSU, Carrington, N.D.

Phillip Glogoza
co-chair

218-236-2008
Univ. of Minnesota Extension, Moorhead

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218-281-8692
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Jerry Arneson

Bell Bank, Moorhead, Minn.

Darren Dunham

Centrol, Maxbass, N.D.

Dave Franzen

NDSU, Fargo

Robbie Holthausen

Syngenta, Fargo, N.D.

Chris Johnson

Centrol, Horace, N.D.

Brian Kuehl

West Central, Fargo, N.D.

Sarah Lovas

Lovas Consulting, Hillsboro, N.D.

Randy Nelson

University of Minnesota Extension,
Moorhead

Adam Spelhaug
Evan Twedt

Peterson Farms Seed, Harwood, N.D.
Dekalb/Asgrow, McHenry, N.D.

David Willis

Agassiz Crop Management,
Thief River Falls, Minn.

Preregistration

Preregistration (including fee payment) is required by Feb. 4. 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, first-served basis. The event has filled before the preregistration deadline in recent years.

Walk-in registrations will not be accepted.



Preregistration Form Advanced Crop Advisers Workshop

Electronic registration and credit card payment can be submitted at www.tinyurl.com/CRECstore or

https://epayment.ndus.nodak.edu/C22800_ustores/web/store_main.jsp?STOREID=29&SINGLESTORE=true

(Please print or type)

Name(s) _____

Organization _____

Address _____

City _____ State _____

ZIP _____ Phone () _____

Email _____

Fee: \$140 per person required by Feb. 4.

Fee for one day attendance is \$75.

If one day, please indicate day of attendance:

Feb. 12 or Feb. 13

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
PO Box 219
Carrington ND 58421

For more information, contact Linda Schuster:

Phone: 701-652-2951 • Fax: 701-652-2055

Email: linda.schuster@ndsu.edu

Requests for accommodations related to disability should be made to Linda Schuster at (701) 652-2951 by Jan. 4, 2019.