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)

Afternoon
12:30 Lunch (Royale)
1:15 General Session: Mining Field Data to Discover Increased Crop Value (Royale) Grant Meiring 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 Hartertz, Kirk Houwitt 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 – crop management and 0.5 pest management)
- Successful No-till Systems in High-clay Soils (Board Room)
  - Boomer Patterson, Doug Toussaint and Nick Vinite
  - 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 Beasezay 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 Schafer, 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 Without Nonherbicide-tolerant Crops on a Farm’s Long-term Weed Management (Directors Room)
  - Darren Duhaney, 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)

**Workshop Planning Committee**
- Greg Endres
  - 701-652-2991
  - NDCEG, Fargo
- Philip Glogoza
  - 218-236-2008
  - GL Consulting, Wahpeton
- Jerry Amosom
  - 701-282-2701
  - University of Minnesota, Crookston
- Darren Duhaney
  - 701-652-2991
  - NDCEG, Fargo
- Dave Franzen
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- Robbie Helfstons
  - 701-652-2991
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- Chris Johnson
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- Brian Kuehl
  - 701-652-2991
  - NDCEG, Fargo
- Greg LaPlante
  - 701-652-2991
  - NDCEG, Fargo
- Randy Nelson
  - 701-652-2991
  - NDCEG, Fargo
- Adam Spelhaug
  - 701-652-2991
  - NDCEG, Fargo

**Workshop Instructors**
- Pat Beasezay
  - NDCEG, Fargo
- Darren Duhaney
  - Central, Minn., N.D.
- Francis Glenn
  - Greeen Seed, Blenheim, Ontario
- Phillip Glogoza
  - University of Minnesota, Moorhead
- Bob Hartertz
  - Iowa State University, Ames
- Kirk Hewitt
  - NDCEG, Fargo
- Chris Johnson
  - Central, N.D.
- Chris Kilman
  - NDCEG, Fargo
- Janet Knodel
  - NDCEG, Fargo
- Dew Malvick
  - University of Minnesota, St. Paul
- Raj Mann
  - MN Department of Agriculture, St. Paul
- Randy Martinson
  - Martinson Ag Enterprise, Fargo
- Grant Meilbeng
  - NDCEG and North Dakota Corn Growers Association, Fargo
- Mike Ostlie
  - NDCEG, Fargo
- Boomer Patterson
  - Bottowa, N.D.
- Jeff Peterson
  - Great Plain Moody, St. Cloud, Minn.
- Jerry Sauser
  - North Dakota Department of Agriculture, Bismarck
- Art Schafer
  - University of Georgia, Ontario
- Doug Tressenn
  - Walpack, N.D.
- Jeff Tymsen
  - North Dakota Department of Agriculture, Bismarck
- Mike Velde
  - Legacy Seeds, Clinton, Wis.
- Nick Vinite
  - Gardner, N.D.
- Joshua Wiersma
  - University of Minnesota, Crookston
- Dave Willis
  - Agro Tech Crop Management, Thief River Falls, Minn.
- Bonnie Woodworth
  - North Dakota Bankers Association, Halley, N.D.
- Adam Spelhaug
  - University of Minnesota, Crookston

**Hotels**
The following hotels are offering discounted room rates for workshop participants. If making a room reservation, identify yourself as an Advanced Crop Advisor Workshop participant.
- Holiday Inn: 877-282-2700 or 701-282-2700
  - www.fargohi.com
- Expressway Suites: 877-239-4303 or 701-239-4303;
  - www.expresswaysuitesfargo.com

**Requests for accommodations related to disability should be made to Linda Schuster at (701) 652-2593 by Feb. 20, 2017.**

**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.

**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 229
  - Carrington, N.D. 58421
  - (701) 652-2593
  - Fax (701) 652-2085
  - Email: linda.schuster@ndsu.edu

**Preregistration Form**

**Advanced Crop Advisers Workshop**

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

https://payment.ndsu.nodak.edu/C228000_stores/web/store_main.jsp?STOREID=29&STORE=TRUE

(Please print or type)

Name(s) __________________________________________________________

_______________________________________________________... State________ Zip __________ Phone (    )_____________________ Email _________________________________________________

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**Organization _____________________________________________**

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**Address ________________________________________________**

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**City __________________________ State________ Zip __________**

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**Fax: 218-236-2008**

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**Email: Pedro@trotter.com**

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

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**Feb. 28 or March 1**

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**c/o Linda Schuster**

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**Carrington Research Extension Center**

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**P.O. Box 229**

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**Carrington, ND 58421**

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