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Advanced Crop Advisers Workshop

Feb. 9-10, 2016

Holiday Inn

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

Sponsored by

NDSU EXTENSION SERVICE



UNIVERSITY OF MINNESOTA
EXTENSION
Driven to DiscoverSM

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. 9

Morning

- 9 Registration (Atrium) and refreshments (Royale)
- 9:45 General Session: **Introduction** (Royale)
- 10 Concurrent Sessions: **Alternative crop disease, cover crops and corn establishment** (participants will be able to attend three of four sessions during the day)
- 11:30 Lunch and General Session: **African and Asian small-scale farming: What can we learn?** (Royale)
Hans Kandel
Farming in the tropics requires different techniques than in the northern Great Plains. However, challenges in farming are universal, and some of the principles of tropical farming can benefit us, too.
(0.5 CEU – crop management)

Afternoon

- 12:45 Concurrent Sessions: **Cover crops, corn establishment and insect/disease update**
- 2:15 **Break**
- 2:45 Concurrent Sessions: **Alternative crop disease and insect/disease update**

- 4:15 General Session: **Utilizing Iowa experience to assist us with managing herbicide-resistant weeds** (Royale)
Bob Hartzler
Our region rapidly is being invaded with glyphosate-resistant weeds. An overview of Iowa experiences will be shared to assist us as weed management plans are developed for 2016 and beyond.
(1 continuing education unit (CEU) – pest management)

Wednesday, Feb. 10

Morning

- 8 Breakfast (Royale) and registration (Atrium)
- 8:30 General Session: **Current and future farm financial challenges** (Royale)
Josh Tjosaas and Russell Tweiten
The presenters will review 2016 projected cash flow and break-even points for area crops and the challenges for farm operation succession and retirement.
(1 CEU – crop management)
- 9:30 Concurrent Sessions: **Weeds and water issues** (participants will be able to attend both sessions)
- 11 Concurrent Sessions
- 12:30 Lunch (Royale)

Afternoon

- 1:15 General Session: **Split N application for corn and wheat: Where, when, how and what to expect** (Royale)
Dave Franzen and Dave Mengel
This session will include results from North Dakota and Kansas on corn and wheat split nitrogen (N) applications, where they might be useful, how to apply and figure out in-season N rates, and what kinds of results a grower might expect, given rainfall patterns, seasons and soils.
(1.5 CEUs – 1.5 nutrient management)
- 3 **Workshop ends**

Concurrent Sessions

Feb. 9

■ Alternate crop disease management (Executive Room)

Mohamed Khan, Sam Markell and Michael Wunsch

The most current management information will be presented on white mold, downy mildew, Cercospora and other diseases affecting regional crops.

(1.5 CEUs – pest management)

■ Microorganisms and cover crops: What positive things can we see? (Board Room)

Michael Lehaman and Hal Weiser

The session will consider the invisible world of soil microorganisms, what they do that is helpful to producers, and how cover cropping is one management tool that promotes soil microorganisms and their beneficial activities.

(1.5 CEUs – soil and water management)

■ What’s emerging with corn stands? (Directors Room)

Jeff Coulter and Joel Ransom

The presenters will review research from Minnesota to western North Dakota on corn plant populations.

(1.5 CEUs – crop management)

■ A fusion of insect and disease topics (Conference Room)

Bob Koch and Bruce Potter

Updates will be provided on a range of topics, including soybean aphid, soybean cyst nematode and corn rootworm.

(1.5 CEUs – pest management)

Feb. 10

■ What’s your plan to control herbicide-resistant weeds? (Executive Room)

Darren Dunham, Bob Hartzler and Tom Peters

The interactive session has the goal of helping you put together a plan for season-long and multiyear weed control.

(1.5 CEUs – pest management)

■ The developing water issues facing agriculture (Directors Room)

Michael Ell and Warren Formo

The discussion will look at buffer zones, best management practices, the Waters of the U.S. federal rule and more regarding water issues across the region.

(1.5 CEUs – soil and water management)

Preregistration

**Preregistration (including fee payment) is required by Feb. 5.
The workshop fee is \$140 per person
(\$75 for one-day attendance).**

**The preregistration fee after
Feb. 5 is \$175 (\$100 for one day).
A full refund of the preregistration
fee will be issued if requested
by Feb. 5.**

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

Workshop Instructors

Jeff Coulter	University of Minnesota, St. Paul
Darren Dunham	Centrol, Maxbass, N.D.
Michael Ell	North Dakota Department of Health, Bismarck
Warren Formo	Minnesota Agricultural Water Resource Center, Eagan
Dave Franzen	NDSU, Fargo
Bob Hartzler	Iowa State University, Ames
Hans Kandel	NDSU, Fargo
Mohamed Khan	NDSU, Fargo
Bob Koch	University of Minnesota, St. Paul
Michael Lehaman	U.S. Department of Agriculture – Agricultural Research Service, Brookings, S.D.
Sam Markel	NDSU, Fargo
Dave Mengel	Kansas State University, Lincoln
Tom Peters	NDSU, Fargo
Bruce Potter	University of Minnesota, Lamberton
Joel Ransom	NDSU, Fargo
Josh Tjosaas	Northland Farm Business Management, Moorhead, Minn.
Russell Tweiten	AgCountry Farm Credit Services, Fargo
Hal Weiser	Natural Resources Conservation Service, Jamestown, N.D.
Michael Wunsch	NDSU, Carrington, N.D.

Workshop Planning Committee

Greg Endres <i>co-chair</i>	(701) 652-2951 NDSU, Carrington, N.D.
Phillip Glogoza <i>co-chair</i>	(218) 236-2008 University of Minnesota Extension, Moorhead
Jerry Arneson	Bell State Bank and Trust, 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.
Jerad Liedberg	Monsanto, Warren, Minn.
Randy Nelson	University of Minnesota Extension, Moorhead
Adam Spelhaug	Peterson Farms Seed, Harwood, N.D.



Preregistration Form Advanced Crop Advisers Workshop

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

(Please print or type)

Name(s) _____

Organization _____

Address _____

City _____ State _____

Zip _____ Phone () _____

Email _____

Fee: \$140 per person required by Feb. 5.

Fee for one day attendance is \$75.

If one day, please indicate day of attendance:

☐ Feb. 9 or ☐ Feb. 10

Fee after Feb. 5 is \$175 (\$100 for one day).

Please make check payable to:

Advanced Crop Advisers Workshop

Return form and fee to:

Advanced Crop Advisers Workshop
c/o Linda Schuster
Research Extension Center
Box 219
Carrington, ND 58421
(701) 652-2951 fax (701) 652-2055
Email: linda.schuster@ndsu.edu

Individuals with disabilities are invited to request reasonable accommodations to participate in NDSU-sponsored programs and events.

To request an accommodation, please contact Linda Schuster at (701) 652-2951 by Feb. 5, 2016 to make arrangements.