

**8th Annual  
West Central Water and  
Crops Field Day**

Name \_\_\_\_\_

Address \_\_\_\_\_

Affiliation or Business \_\_\_\_\_

**Register Today**

While there is no cost to attend this year's *Water and Crops Field Day*, registrations are needed by **Friday, September 7th**, for planning. Please complete the registration form and mail or FAX to:

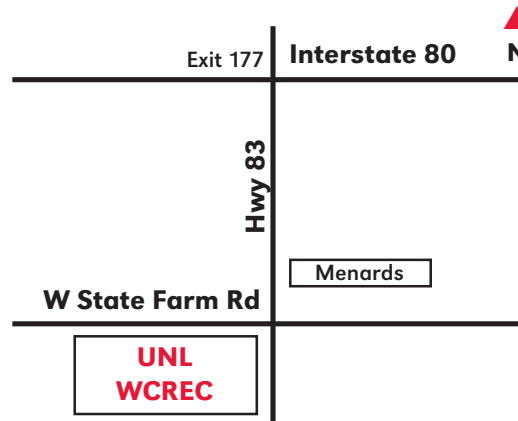
Ellen Heil  
WCREC  
402 West State Farm Road  
North Platte, NE 69101  
FAX: 308-696-6780

Or you may send the necessary information in an e-mail to: [ellen.heil@unl.edu](mailto:ellen.heil@unl.edu).

**Exhibitors and Donors**

- Agri Affiliates
- Adams Bank & Trust
- AquaCheck
- Central NE Public Power and Irrigation District
- Eco-Drip Irrigation
- Farmers Co-op Elevator Association
- Farm Credit Services of America
- Holzfasters Equipment
- J&K Irrigation
- Lindsay Corporation
- Nebraska Corn Board
- Nebraska Public Power District
- Orthman Manufacturing
- Pivot Electric
- Sargent Irrigation
- Senninger Irrigation
- T-L Irrigation
- Twin Platte NRD

Directions to UNL-WCREC, from I-80: take exit 177, go south on Hwy 83. After 1.5 miles, at the traffic lights, turn right (west) on W. State Farm Rd. After 0.1 miles, turn left (south) on Snyder Dr. and find a parking space.



For more information, please call the West Central Research and Extension Center at (308) 696-6701 or e-mail to: [ellen.heil@unl.edu](mailto:ellen.heil@unl.edu).

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska-Lincoln Extension educational programs abide by the nondiscrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture.

**8th Annual  
West Central Water and  
Crops Field Day**

Presented by the  
University of Nebraska-Lincoln  
Institute of Agriculture  
and Natural Resources  
West Central Research and  
Extension Center

**Thursday, September 13, 2012  
North Platte, Nebraska**

CCA Credits have been applied for  
in Soil and Water

**Sponsors**

- Agri Affiliates, Inc.
- Holzfasters Equipment, Inc.
- Lindsay Corporation
- Orthman Manufacturing, Inc.
- Pivot Electric, Inc.
- Sargent Irrigation Co.



# 8th Annual West Central Water and Crops Field Day

Thursday, September 13, 2012

## All Times CDT

8:00 a.m. **Registration — View Exhibits**

9:10 a.m. **Welcome.**

*Don Adams*, District Director, UNL-WCREC

9:20 a.m. **Breeding Crops for Water Use Efficiency.**

*Tom Hoegemeyer* (UNL Plant Breeder) and *Aaron Lorenz* (UNL Plant Geneticist). Scientists pursue cutting-edge tools to more effectively characterize drought response, map genes, and increase genetic gain for drought tolerance through selection and sexual recombination. A description of modern day breeding programs and how they are being used to address critical needs, including water management, will be given.

10:00 a.m. **Consumptive Water Use in Nebraska.**

*Derrel Martin*, UNL Irrigation Specialist. Consumptive water use in Nebraska is critical. Understanding when and how water is being used for production agriculture will be discussed. In addition, insight in how to efficiently manage water in cropping systems to get the most “crop per drop” will be covered.

10:40 a.m. **Break — View Exhibits**

11:00 a.m. **The Cost of Water.**

*Matt Stockton*, UNL Agricultural Economist. Current trends in climate and demand of agricultural products point to the need to manage water in the most beneficial way. Water is the lifeblood of farming and knowing its cost is essential to the sustainability and profitability of the farm. So what does water cost?

11:40 a.m. **A New Era for Water Perspectives.**  
*Roberto Lenton*, Director, Water for Food Institute. Food production has become the focus of many different agencies in recent years. This discussion will focus on why this is the case, where things are headed in terms of water management globally, and how we will start to address global problems relating to water and food production.

12:20 p.m. **Lunch — View Exhibits**

1:25 p.m. **UNL Research and Field Demonstrations;** four tour stops repeated four times, starting at 1:25, 2:00, 2:35, and 3:10 p.m.

### ◆ ***Invasive Weeds and Horticulture***

- *Steve Young*, UNL Weed Ecology Specialist
- *David Lott*, UNL Horticulture Educator

### ◆ ***Irrigation Research and Drought-Tolerant Corn Hybrids***

- *Simon van Donk*, UNL Irrigation Specialist
- *John Shanahan*, Pioneer Hi-Bred Agronomy Research Manager

### ◆ ***Nutrient and Water Management Strategies to Optimize Yields***

- *Tim Shaver*, UNL Nutrient Management Specialist
- *Charles Wortmann*, UNL Nutrient Management Specialist

### ◆ ***Pesticides and Traits for Improving Agricultural Productivity***

- *Greg Kruger*, UNL Cropping Systems Specialist
- *Chandler Mazour*, Monsanto Water Utilization Learning Center Manager

3:40 p.m. **Adjourn — Thanks for Attending!**

Please join us for the **8th Annual University of Nebraska West Central Water and Crops Field Day**. The Field Day will be held at the University of Nebraska West Central Research and Extension Center (UNL-WCREC) in North Platte, Nebraska.

This year's program will include University and Industry presentations and a field tour of UNL research and demonstrations on cropping, irrigation practices that conserve water, invasive weeds, and pesticide applications. Specific topics include water use by crops, irrigation technology, residue management, soil nutrient management, role of invasive weeds in water consumption, and wind tunnel research for optimizing pesticide applications.

There is no cost to attend the Field Day and a complimentary meal will be served. Participants are invited to register by **September 7, 2012** so appropriate plans can be made for meals, teaching resources and tour logistics.

---

*Appreciation is expressed to our sponsors, exhibitors, and donors for their support and participation.*