

Registration: \$180/person

Includes reference materials; hand lens; cap; lunch on both days; supper on Aug. 18; and break refreshments.

To register, complete the attached form. Enclose check made to University of Nebraska-Lincoln. Completed registration forms and fees must be received by Aug. 5. Mail to:

UNL Panhandle Research and Extension Center
4502 Avenue I, Scottsbluff, NE 69361
Attn: Penny

After Aug. 5. registration is accepted if space is still available. The fee is \$220 per person.

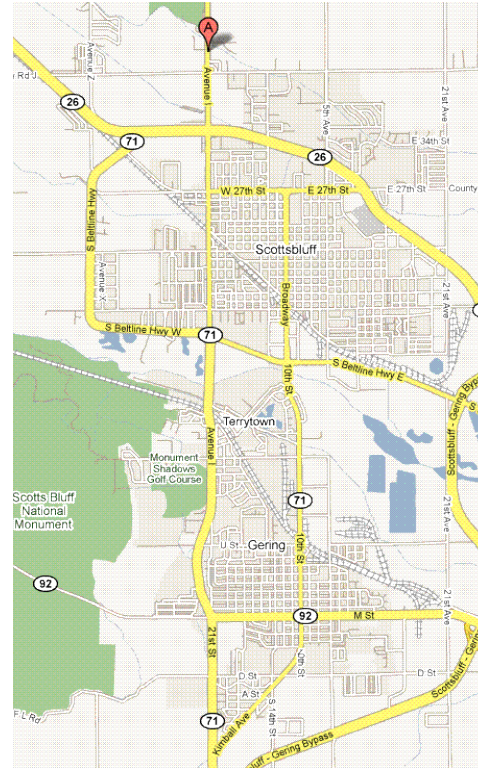
The fee is refundable due to cancellation up to Aug. 6. No refunds issued after this date; however, substitutions are allowed.



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 with the nondiscrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture.

How to Get Here:



Motels:

Attendees are responsible for making their own hotel reservations as early as possible. These motels are located along Highway 26:

Days Inn
1901 21st Avenue
Scottsbluff NE
308-635-3111

Super 8 Motel
2202 Delta Drive
Scottsbluff NE
308-635-1600

Comfort Inn
1902 21st Avenue
Scottsbluff NE
308-632-7510

Holiday Inn Express
1810 Frontage Road
Scottsbluff NE
308-632-1000

Hampton Inn & Suites
301 W Hwy 26
Scottsbluff NE
308-635-5200

Monument Inn & Suites
1130 M St.
Gering, NE
308-436-1950

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RETURN SERVICE REQUESTED

UNIVERSITY OF
Nebraska
Lincoln **EXTENSION**

Know How. Know **now.**

High Plains Advanced Cropping School: **Sunflowers**

August 16-17, 2012

UNL Panhandle Research and Extension Center
Scottsbluff, NE

Topics and Presenters

The 2012 Panhandle Advanced Cropping School for Sunflowers has been designed especially for individuals working in the sunflower crop production industry. This school is an in-depth, field-oriented, hands-on workshop designed to teach the management of sunflower production, including the diagnosis of production problems in the western Great Plains and the sunflower production regions of the Rocky Mountains.

A special emphasis will be placed on stress related problems that can cause yield reduction. Nebraska CCA (Certified Crop Advisor) credits will be applied for and can be earned upon completion of the workshop. Check with your state for reciprocity with the Nebraska certified crop advisor program.

SCHEDULE:

Thursday:

8:30.....Registration

12:45Lunch

5:30.....Steak Dinner

Friday:

9:00.....Sessions begin

Noon.....Lunch, adjourn

TOPICS:

KEYNOTE: Sunflower markets and Quality (*Larry Kleingartner, past executive director, National Sunflower Association*)

Sunflower Hybrids and Growth Stages in the High Plains

(*Dipak Santra, alternative crops breeding specialist, and Drew Lyon, dryland cropping systems specialist*)

- Types of sunflower cultivars – oil vs. confection
- Characteristics and performance of common cultivars in the area
- Emerging future traits for future improvement of hybrids
- Stages of sunflower development
- Impact of planting dates on sunflower development and yield

Herbicide Injury to Sunflowers (*Robert Wilson, Weed Specialist*)

- Effect of herbicide carryover to sunflowers
- Symptoms of herbicide drift on sunflowers
- Differences between herbicide injury and other causes
- Performance of herbicides labeled for weed control in sunflowers

Sunflower Insects in the High Plains (*Jeff Bradshaw, Entomologist*)

- Impact of planting dates and varieties on insect infestation
- Tools for monitoring sunflower insects
- Identifying common sunflower insect pests
- Recognizing the difference between insect damage and other causes

Identifying Sunflower Diseases and Distinguishing Between Them (*Bob Harveson, Plant Pathologist*)

- Differences between abiotic and biotic diseases
- Methods for field scouting, and which diseases to look for at different times during the season
- Pathogen cycles and their roles in disease development and progress
- Methods for disease management

Irrigation and Nutrient Management in Sunflowers (*Jim Schild, Extension Educator; C. Dean Yonts, Irrigation Specialist; and Gary Hergert, Soil and Nutrient Management Specialist*)

- Water requirements for sunflowers
- Nitrogen requirements for sunflowers

Sunflower Planting and Harvest Yield Loss Assessment (*John Nowatski, agricultural machine systems specialist, North Dakota State University*)

Name (first and last): _____

Phone: _____ E-mail: _____

Company name: _____

Address (mailing address for kits to be sent via U.S. Postal Service): _____

City, State, Zip: _____

Special Needs: _____

Mail (with \$180 check payable to *University of Nebraska-Lincoln*) to: UNL Panhandle R&E Center, Attn: Pat Martin, 4502 Avenue I, Scottsbluff, NE 69361. Registration fees received after Aug. 5 are \$220, subject to space.