

# 2009 Crop Production Clinic HASTINGS

Adams County Fairgrounds  
947 S. Baltimore  
January 7, 2009

## Pest Management Sessions

- 8:45 **Welcome**
- 9:00 **IPM for Crops I**
- Managing corn diseases
  - Managing western bean cutworm
  - Impact of volunteer corn in soybean and corn
- 10:00 **IPM for Crops II**
- Managing wheat diseases
  - Managing insects in soybean
  - Benefits, cautions and strategies for fall herbicide applications
- 11:00 **Critical Issues in Pest Management**
- Determining thresholds for managing diseases
  - Modifying insect economic thresholds for higher commodity values
  - Glyphosate-resistance update
- 12:00 **Lunch**
- 1:00 **What's New in Pest Management?**
- What's new in Plant Pathology?
  - What's new in Entomology?
  - What's new in Weed Science?
- 2:00 **Application Technology and Environmental Stewardship**
- Preharvest intervals of fungicide applications
  - Ground, air, and chemigation applications of insecticides
  - Spray nozzle technology
- 3:00 **General Standards for Commercial Pesticide Applicators**

## Soil, Water, Crops Sessions

- 8:45 **Welcome**
- 9:00 **Soil Fertility**
- Can you afford to pay for Phosphorus in 2008
- 10:00 **In-season Water Management**
- Monitoring soil water content
  - Estimating crop water use with the ET gage
  - Using field based information to schedule irrigations
- 11:00 **Crop Production**
- Strategies to minimize high input costs
  - Continuous corn/corn, soy/soy and wheat/wheat systems
- 12:00 **Lunch**
- 1:00 **Soil Fertility**
- Enhanced Efficiency Fertilizers
- 2:00 **Reducing Irrigation Energy Use**
- Sources of energy inefficiency
  - Energy cost estimation
  - Matching pumping units with system requirements
- 3:00 **General Standards for Private Pesticide Applicators**



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## HASTINGS PRESENTERS

**Mark Bernards**  
Extension Weed Specialist  
Agronomy and Horticulture

**Chuck Burr**  
Extension Educator  
Phelps-Gosper Counties

**Suat Irmak**  
Water Resources Engineer  
Biological Systems Engineering

**Bob Klein**  
Western Nebraska Crop Specialist  
West Central Research and Extension Center

**Dewey Lienemann**  
Extension Educator  
Webster County

**Clyde Ogg**  
Extension Educator - Pesticide Education  
Agronomy and Horticulture

**Jennifer Rees**  
Extension Educator  
Clay County

**Lowell Sandell**  
Extension Educator - Weed Science  
Agronomy and Horticulture

**Ron Seymour**  
Extension Educator  
Adams County

**Darrel Siekman**  
Extension Educator  
Merrick County

**Stephen Wegulo**  
Extension Plant Pathologist  
Department of Plant Pathology

**Charles Wortmann**  
Nutrition Management Specialist  
Department of Agronomy and Horticulture

**Bob Wright**  
Extension Entomologist  
Department of Entomology

### **Registration**

Registration begins at 8:00 a.m. There is no preregistration. Cost of the clinic is \$50.00 and includes a noon meal, morning and afternoon refreshments, the 2009 Nebraska Guide for Weed Management, and the 2009 Crop Protection Clinic Proceedings. Checks should be made payable to the University of Nebraska-Lincoln.

### **Commercial/Noncommercial Pesticide Applicator Recertification**

Applicators may renew their licenses in the Ag Plant (01), Regulatory (REG), and Demonstration/Research (D/R) categories. To renew your license you must attend 1 Pest Management Session in the morning and all 3 Pest Management Sessions in the afternoon.

### **Private Pesticide Applicator Recertification**

Private applicators wishing to renew their license at the Clinic will be assessed an additional registration fee of \$30 to cover the cost of study materials. To renew your license you must attend 1 Pest Management Session in the morning, the 1:00 and 2:00 p.m. Pest Management Sessions, and the 3:00 p.m. session "General Standards for Pesticide Applicators."

### **Certified Crop Advisors**

Certified Crop Advisors can earn a maximum of 6.0 CEUs in a given day. The following credits are available in today's program: 6.0 CEU in Pest Management, 2.0 CEU in Nutrient Management, 2.0 CEU in Soil & Water Management, and 1.0 CEU in Crop Management. To earn your credits you will be expected to scan your card when you enter a session. You must also sign the sheet at the end of the day (as a backup record or if you don't have your card).

### **University of Nebraska-Lincoln websites that may be of interest to you**

Crop Protection Clinics	<a href="http://cpc.unl.edu">http://cpc.unl.edu</a>
Crop Watch	<a href="http://cropwatch.unl.edu">http://cropwatch.unl.edu</a>
Dept. of Agronomy & Horticulture	<a href="http://agronomy.unl.edu">http://agronomy.unl.edu</a> or <a href="http://hort.unl.edu">http://hort.unl.edu</a>
Dept. of Entomology	<a href="http://entomology.unl.edu">http://entomology.unl.edu</a>
Dept. of Plant Path	<a href="http://plantpath.unl.edu">http://plantpath.unl.edu</a>
Pesticide Education	<a href="http://pested.unl.edu">http://pested.unl.edu</a>
UNL Extension	<a href="http://extension.unl.edu">http://extension.unl.edu</a>
Weed Science	<a href="http://weedscience.unl.edu">http://weedscience.unl.edu</a>
WeedSOFT	<a href="http://www.weedsoft.org">http://www.weedsoft.org</a>