

Session & Registration Information

Receive the most up-to-date information and research data to help you advise your clients on current agronomic and nutrient management issues facing Pennsylvania's crop farmers.

Approval for Certified Crop Advisers CEUs and CECs for the Pennsylvania Nutrient Management; Pesticide; and Commercial Manure Hauler/Broker programs have been submitted. **Credits noted in brochure are pending final approval and subject to change.** Please visit the certification program website for verification of credit approvals.

Day One Agenda: Tuesday, October 27, 2015

8 a.m.
8:30 a.m.
8:45 - 9:45 a.m.

Registration

Welcome

General Session - "Exploring Year-Ahead Weather Forecasting and a Sneak Peek at the 2016 Crop Season"

Bill Kirk, Weather Trends International

We'll explore how year-ahead weather forecasting has been a valuable PROACTIVE tool for Fortune 500 companies the past 12 years and how this 12 time award winning technology is now used in the Agricultural sector. The 2016 high-level year-ahead weather forecast through Fall 2016 will be discussed and how it will impact farmers and commodity prices. **1.0 CM CCA CEU**

10 - 10:50 a.m.

Breakout Sessions - Group 1

SESSION A (MAJESTIC 1)

"The Season in Review: Crops"

Greg Roth, Penn State University

This session will provide a review of some of the issues encountered in grain production in the 2015 season. This will include the early season frost, impact of heavy rain in June, the mini drought in August, and some of the research results we generated on corn, soybean, malting barley and hybrid rye this year. **1.0 CM CCA CEU**

SESSION B (MAJESTIC 2)

"What's in Your Water? The Importance of Irrigation Water Quality to Crop Production"

Bryan Swistock, Penn State University

Water is a vital component to any crop production but the quality of irrigation water is often taken for granted. This presentation will discuss typical sources of irrigation water along with common water quality problems and best management practices for water supplies.

1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION C (MAJESTIC 3)

"Year in Review: Insects"

John Tooker, Penn State University

From a pest management perspective, each year brings new challenges or novel situations. We will review the 2015 growing season to discuss the main challenges faced by growers and some of the lesson to be learned from some of the latest research on insect pests in field and forage crops. **1 PM CCA CEU; PA Pesticide**

11 - 11:50 a.m.

Breakout Sessions - Group 2

SESSION A (MAJESTIC 1)

"Current Issues in Corn Silage Production"

Greg Roth, Penn State University

This session will focus on some of the objectives of corn silage hybrid evaluation work and what we are doing for the 2015 season. This will include a review of starch and NDF digestibility screening, variation of fatty acid composition of corn silage and some of the impacts of farm management and environmental conditions on corn production. **1.0 CM CCA CEU**

SESSION B (MAJESTIC 2)

"Variable Rate Nutrient Application Strategies and Results"

Dr. Wade Thomason, Virginia Tech

Precision nutrient management offers the ability to refine the "4-R" approaches of "Right Place" and "Right Rate" at sub-field levels. We will discuss strategies for making decisions from precision ag data, with an emphasis on in-season remote sensing. In addition, the interaction of sub-field nutrient management with other precision ag technologies such as variable-rate seeding will be addressed.

1.0 NM CCA CEU; PA Nutrient Mgmt

SESSION C (MAJESTIC 3)

"Unmanned Aircraft for Agricultural Applications"

Dr. Joe Sommer, Penn State University

Basic terminology and performance of unmanned aircraft (UA) commonly called drones will be introduced. The presentation will include live demonstration of a commercial multirotor UA and discussion about practical agricultural applications, safety and operating policy. **1.0 CM CCA CEU**

12 p.m.

LUNCH

12:45 - 1:45 p.m.

General Session - "Agronomic Updates"

Receive up-to-date technical information from representatives of Pennsylvania's crop production support and service industry. **1 PM CCA CEU; PA Pesticide**

2 - 2:50 p.m.

Breakout Sessions - Group 3

SESSION A (MAJESTIC 1) **"Pesticides and Groundwater"**

Amy Galford, Penn State Extension

This session will review groundwater movement, routes of groundwater contamination, pesticide behavior in the environment, and pollution prevention methods. A groundwater model will be displayed to give a visual demonstration of groundwater and contaminant movement. **1.0 SW CCA CEU; PA Nutrient Mgmt; PA Pesticide**

SESSION B (MAJESTIC 2)

REPEATED SESSION

"Variable Rate Nutrient Application Strategies and Results "

Dr. Wade Thomason, Virginia Tech

Precision nutrient management offers the ability to refine the "4-R" approaches of "Right Place" and "Right Rate" at sub-field levels. We will discuss strategies for making decisions from precision ag data, with an emphasis on in-season remote sensing. In addition, the interaction of sub-field nutrient management with other precision ag technologies such as variable-rate seeding will be addressed.

1.0 NM CCA CEU; PA Nutrient Mgmt

SESSION C (MAJESTIC 3)

REPEATED SESSION

"Unmanned Aircraft for Agricultural Applications"

Dr. Joe Sommer, Penn State University

Basic terminology and performance of unmanned aircraft (UA) commonly called drones will be introduced. The presentation will include live demonstration of a commercial multirotor UA and discussion about practical agricultural applications, safety and operating policy. **1.0 CM CCA CEU**

3 - 3:50 p.m.

Breakout Sessions - Group 4

SESSION A (MAJESTIC 1) **"Pond and Lake Management"**

Amy Galford, Penn State Extension

This session will review the basics of managing a pond or lake for various uses including the importance of controlling nutrients in the watershed. Permits needed for various pond management activities will be reviewed.

1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION B (MAJESTIC 2) **"Agronomic Considerations in Pipeline Planning and Remediation"**

Dave Messersmith, Penn State Extension

Pennsylvania is in the midst of an unprecedented natural gas pipeline buildout as the industry connects well sites from the gas fields of northern and western areas of the state to consumers along the East Coast. In the process, many farmed acres across the region will be impacted pipeline construction activity. This presentation will focus on helping agricultural landowners understand easement negotiations, calculating crop damage payments, and best practices for returning impacted sites to crop production after construction is complete.

1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION C (MAJESTIC 3) **"Seed Treatments used in Agriculture, Treatment Stewardship, and Future Innovation"**

Michael Webb, Bayer CropScience

This session will take a look at the some of the current treatments on the market and their efficacy, address treatment stewardship, and look a future innovation.

1.0 PM CCA CEU; PA Pesticide

4 - 4:50 p.m.

Breakout Sessions - Group 5

SESSION A (MAJESTIC 1) **"A CCA's Role in Understanding the Avian Influenza Issue"**

Dr. Greg Martin, Penn State Extension

Avian Flu has devastated the Midwest this spring and threatens PA flocks this fall. This discussion describes the disease, issues and agronomic impacts preparing a CCA to be helpful to their poultry farmer customers and clients.

1.0 SW CCA CEU

SESSION B (MAJESTIC 3)

REPEATED SESSION

"Seed Treatments used in Agriculture, Treatment Stewardship, and Future Innovation"

Michael Webb, Bayer CropScience

This session will take a look at the some of the current treatments on the market and their efficacy, address treatment stewardship, and look a future innovation.

1.0 PM CCA CEU; PA Pesticide



Day Two Agenda: Wednesday, October 28, 2015

- 8 a.m.**
8:45 - 9:45 a.m. **Registration**
General Session - "Agronomic Updates"
Receive up-to-date technical information from representatives of Pennsylvania's crop production support and service industry. **1 PM CCA CEU; PA Pesticide**
-
- 10 - 10:50 a.m.** **General Session - "Helping Your Clients Tell Their Story"**
Andrew Frankenfield, Penn State Extension
- Farmers are in the minority of the general public. There are many misconceptions out there about modern production agriculture. Whether it is about animal welfare, antibiotics, hormones, pesticides or GMO's people hear many negative things about agriculture. This session will go over ways you and your farmer clients/customers communicate with the public about how and why they farm. **1.0 PD CCA CEU**
-
- 11 - 11:50 a.m.** **Breakout Sessions - Group 2**
- | | | |
|--|--|--|
| <p><u>SESSION A (MAJESTIC 1)</u>
"Looking at the Potential of Hemp Cultivation in Central Pennsylvania"
<i>Jeff Graybill, Penn State Extension</i>
This session will provide a brief history of hemp production in the United States, the current regulatory status of hemp cultivation and the past and potential uses which include oil, fiber, bedding, building material and rope.
1.0 CM CCA CEU</p> | <p><u>SESSION B (MAJESTIC 2)</u>
"The 2015 Disease Year in Review"
<i>Alyssa Collins, Penn State University</i>
A recap of the most important disease issues of the past year, and a glimpse of potential challenges for the future. Updates on new and improved plant health management approaches.
1.0 CM CCA CEU; PA Pesticide</p> | <p><u>SESSION C (MAJESTIC 3)</u>
"Challenges, Progress, and Promise in the Pursuit of Poultry Litter and Solid Residuals Injection."
<i>Amy Shober, University of Delaware</i>
Growers seeking to incorporate solid residuals, such as poultry litter and biosolids, in no-till, reduced tillage, and pasture systems have few, if any, options. In this session, we will discuss the status of and modifications to existing solid manure injectors, present results of litter injector grain corn field trials, and describe advances in solid manure injector design.
1.0 NM CCA CEU; PA Nutrient Mgmt</p> |
|--|--|--|
-
- 12 p.m.** **LUNCH**
- 12:45 - 2 p.m.** **General Session - "Agronomic Updates"**
Receive up-to-date technical information from Representatives of Pennsylvania's crop production support and service industry. **1 PM CCA CEU; PA Pesticide**
-
- 2 - 2:50 p.m.** **Breakout Sessions - Group 3**
- | | | |
|---|--|---|
| <p><u>SESSION A (MAJESTIC 1)</u>
"Soybean Research Report"
<i>Del Voight, CCA, Penn State Extension</i>
This session will summarize the soybean research being conducted by Penn State Extension. 1.0 CM CCA CEU</p> | <p><u>SESSION B (MAJESTIC 2)</u>
"What's Going on in Field Research at the PSU Farm"
<i>Alyssa Collins, Penn State University</i>
Each year dozens of events and over 60 experiments take place at Penn State's Southeast Research & Extension Center (Landisville). Dr. Collins gives us a glimpse of the activities and operations at SEAREC and how they benefit you and your growers. Take this opportunity to ask questions and suggestions new directions for research and programs.
1.0 CM CCA CEU; PA Pesticide</p> | <p><u>SESSION C (MAJESTIC 3)</u>
"Fertility Management Strategies for Building Small Grain Yields"
<i>Amy Shober, University of Delaware</i>
Small grain yields are a function of several yield building and yield protecting factors. In this session, we will discuss some fertility management strategies that can help increase small grain yields, with a focus on N management, secondary nutrients, and micronutrients. In this session, we will also discuss interested trends in soil test K and explore what these trends might mean for soil K management for all grain crops.
1.0 NM CCA CEU; PA Nutrient Mgmt</p> |
|---|--|---|

3 - 3:50 p.m.

Breakout Sessions - Group 4

SESSION A (MAJESTIC 1)
"Ag Technology Update"

Travis Green, Ag Leader Technology

New and legacy precision ag technology continues to improve operational efficiencies, while collecting data that is being utilized in "small data" and "big data" programs. Learn how farmers and ag retailers can pair yesterday's hardware investment with today's technology, while keeping the door open for future innovations. **1.0 CM CCA CEU; PA Pesticide**

SESSION B (MAJESTIC 2)
"A Year in Review: Weeds"

Dwight Lingenfelter, Penn State University

This session will highlight the weed control projects conducted at Penn State as well as provide updates about problem weed issues around the state, such as resistant marestail and Palmer amaranth.

1.0 PM CCA CEU; PA Pesticide

SESSION C (MAJESTIC 3)
"Lessons Learned from the 2015 North American Manure Expo"

Kelly Patches, Penn State University; Jennifer Bratthauer, Franklin County Conservation District

This session will provide a recap of the 2015 North American Manure Expo held in Chambersburg, PA for two days in July. The scope and reach of Manure Expo was impressive, attracting nearly 2,000 people from 26 states. The Expo combined a Tour Day (3 separate tours), live-action manure spill response demonstration, manure application demonstrations, industry trade show, and educational session. Attendees will hear first-hand accounts of everything it took to put on this Expo from beginning to end, including site location, local support, vendors/sponsors/exhibitors, finances and much more.

1.0 NM CCA CEU

4 - 4:50 p.m.

Breakout Sessions - Group 5

SESSION A (MAJESTIC 1)
"Non-Conventional Grains Marketing"

John Berry, Penn State Extension

We've all heard people talking or have read stories about the expanding market opportunities for non-GMO, transitional and organic grains. This session will review the current state of these markets and explore opportunities for grain producers to participate in the associated non-conventional market channels. We will be certain to cover market demand, quality and volume expectations, as well as potential buyers and brokers. **1.0 CM CCA CEU**

SESSION B (MAJESTIC 2)
"Are you Ready to Take Action Against Herbicide Resistant Weeds?"

Dwight Lingenfelter, Penn State University and John Bray, Penn State Extension

This will be a hands-on session that allows participants to use some of the resources from the "Take Action Against Resistant Weeds" initiative. Each person will be given materials and a worksheet to work thru some typical herbicide programs used in the state to determine if they provide enough effective herbicide modes of action to manage the target weeds. These resources can be used to evaluate other herbicide programs for your clients or farm.

1.0 CM CCA CEU: PA Pesticide



Thank You to these Conference Sponsors

as of 10/5/2015

BASF Corporation
Dairy One
Dow AgroSciences
Gowan Company
Honeywell
Nachurs Alpine Solutions
Syngenta Crop Protection, Inc.
Valent USA
Verdesian

H
A
R
V
E
S
T

Ag Leader Technology
Baker Ag Lime
BRANDT
Eddie Mercer Agri-Services, Inc.
Koch Agronomic Services
Martin Limestone

P
L
A
N
T

2015
**Keystone
Crops and Soils
Conference**

October 27 & 28 | Harrisburg-Hershey Holiday Inn
Grantville, PA

Registration Form

**Registrations Due by:
OCTOBER 19, 2015**

Two Ways to Register:

1. Online (with credit card)

Directions: Log onto <http://www.cvent.com/d/prqhlz/1Q> and provide all information necessary to complete your registration. When this option is used, there is no need to complete and submit this form. You will receive an email receipt upon completion of registration.

2. Via Fax/Email/Mail

Directions: Complete the remainder of the form as usual and submit with payment to:

Amy Bradford | PennAg Industries Association
2215 Forest Hills Drive, Suite 39 | Harrisburg, PA 17112
Phone: 717-651-5920 | Fax: 717-651-5926 | Email: abradford@pennag.com

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Are You a Certified Crop Adviser (CCA)?

No **Yes** - Certification # _____

If yes, how many acres do you advise? _____

If yes, would you be interested in serving on the PA CCA Board?

No **Yes**

Registration Fee:

Both Days - \$200

One-Day Only* - \$130

(*Please Indicate Which Day) Tuesday Wednesday

Payment:

Payment Enclosed (Check payable to PennAg Industries Association)

Payment Forthcoming (Check payable to PennAg Industries Association)

Please Invoice Me

ATTENTION CCAS!

CCA credits at this meeting will be credited via QR Codes as an alternative to sign-in sheets. Smartphone users should download the "Certified Crop Adviser" App by scanning the codes below or visiting iTunes (iPhone/iPad) and Play Store (Android) prior to arriving at the conference.



iPhone



Android

Hotel Reservations:

A block of rooms has been reserved at the Holiday Inn-Hershey/Harrisburg at a special rate of \$115 plus tax per night for a single or double room. To reserve a room in the block, please call the hotel directly at 717-469-0661 and mention the Keystone Crops and Soils Conference to receive our group rate. Reservations for this rate must be made by **October 16, 2015**. After this date, rooms will may be reserved on an as-available basis at the normal rate. For more information about the hotel, including directions, visit www.stayholiday.com.