

2014
**Keystone
Crops and Soils
Conference**
October 28 & 29

Date
October 28-29, 2014

Time
8 a.m. - 5 p.m.

Location
Harrisburg/Hershey Holiday Inn
604 Station Road, Grantville, PA 17028

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; Commercial Manure Hauler/Broker and Odor programs have been submitted. **Credits noted in brochure are pending final approval and subject to change.**

Day One Agenda: Tuesday, October 28, 2014

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

Registration
Welcome
General Session - "Building Healthy Soils and Healthy Streams"

Dr. Bernard Sweeney, Stroud Water Research Center and Ray Archuleta, NRCS

Protecting water resources begins with taking care of the land, including cropland, pastures, and riparian areas. In this presentation, NRCS conservationist and soils expert Ray Archuleta, and Stroud Water Research Center's Dr. Bernard Sweeney, will describe how soil building farming practices combine with forested stream buffers to restore water quality and stream life. **1.0 SW CCA CEU; PA Nutrient Mgmt**

10 - 10:50 a.m.

Breakout Sessions - Group 1

SESSION A (MAJESTIC 1)
"Water Quality Updates and Research"

Amy Galford, Penn State Extension

This session will summarize a recent study of irrigation water quality in PA, which varies widely depending on the water source. We will also discuss proper water well construction, protection of groundwater quality and related regulatory updates. **1.0 SW CCA CEU; PA Nutrient Mgmt**

SESSION B (MAJESTIC 2)
"Precision Ag Technology Update"

Ken Diller, C.B. Hooper, Inc.

This session will help CCAs and other advisers have a better understanding of the fast-paced changes in Precision Agriculture. Be sure to follow-up this session by visiting the Hooper Precision Ag trailer located outside.

1.0 CM CCA CEU; PA Pesticide Core

SESSION C (MAJESTIC 3)
"Nutrient & Manure Management Program Updates"

Frank Schneider, State Conservation Commission and Steve Taglang, PA Dept. of Environmental Protection

In this session, receive an update on Act 38 Nutrient Management Program changes as well as a DEP update on the implementation of the Manure Management and Ag E&S regulatory requirements. The status of the six regional ag watershed assessments and any recent updates to the state environmental regulatory program for agriculture will also be discussed.

1.0 NM CCA CEU; PA Nutrient Mgmt

11 - 11:50 a.m.

Breakout Sessions - Group 2

SESSION A (MAJESTIC 1)
"Carryover to Cover Crops and Residuals"

Bill Curran, Penn State University

Soil-applied herbicides are often used in order to maximize cover crop production. Bill will discuss the newest cover crop varieties and their susceptibility to this application.

1.0 PM CCA CEU; PA Pesticide

SESSION B (MAJESTIC 2)
"Commodity Market Update"

Jim Dunn, Penn State University

This presentation focuses on the current economics of agricultural markets, especially corn and soybeans. Livestock and dairy markets will also be included since these animals are the main consumers of feed. It will also discuss events in important markets such as China, Russia, and Brazil and their implications for prices. **1.0 CM CCA CEU;**

SESSION C (MAJESTIC 3)
"Odor Management Program Update"

Karl Dymond, State Conservation Commission

This session will provide updates on Act 38 Odor Management Program changes, review the components of an Odor Management Plan (OMP) and discuss the regulatory requirements of when an OMP is required and by whom.

1.0 NM CCA CEU; PA Odor Mgmt

SESSION D (PARKING LOT)
"Precision Ag Trailer"

Provided by C.B. Hooper, Inc.

Technology availability is allowing farmers to become more precise and effective with chemical application. Visit this hands-on, interactive display of planters, sprayers and harvesting technologies. Exercises will allow understanding of how equipment can assist with record-keeping and data management. **1.0 CM CCA CEU; PA Pesticide Core**

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)

"Philosophy and Approach to Soil Testing"

John Spargo, Penn State Agricultural Analytical Services Laboratory

Why is it that samples sent to two different labs sometimes come back with different results? How do soil test lab methods differ? Why do labs choose different analytical methods? What are the differences in fertilizer recommendation philosophies and why?

1.0 NM CCA CEU; PA Pesticide; PA Nutrient

Mgmt

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SESSION B (MAJESTIC 2)

REPEATED SESSION

"Commodity Market Update"

Jim Dunn, Penn State University

This presentation focuses on the current economics of agricultural markets, especially corn and soybeans. Livestock and dairy markets will also be included since these animals are the main consumers of feed. It will also discuss events in important markets such as China, Russia, and Brazil and their implications for prices. **1.0 CM CCA CEU;**

SESSION C (MAJESTIC 3)

"Weed Seasonal Review and Year in Review"

Bill Curran, Penn State University

2014 has experienced an increase in resistant weed varieties in Pennsylvania. Hear more on this issue and ongoing research in weed management. **1.0 PM CCA CEU; PA Pesticide**

3 - 3:50 p.m.

Breakout Sessions - Group 4

SESSION A (MAJESTIC 1)

"Considerations for Fertility Management in No-Till"

Doug Beegle, Penn State University

A no-till planting system has many advantages but also requires that an agronomist understands how methods of soil sampling, fertilizer and lime application and manure management are affected.

1.0 NM CCA CEU; PA Nutrient Mgmt; PA Manure Hauler/Broker

SESSION D (PARKING LOT)

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SESSION B (MAJESTIC 2)

"NRCS Program Update"

Barry Frantz, USDA-NRCS

This session will summarize financial and technical assistance available to help producers implement new conservation practices. It will include an update on the status of the federal Farm Bill and how that affects conservation programs and practices available to farmers.

1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION C (MAJESTIC 3)

"Disease Resistance Management – Fungicide Efficacy"

Alyssa Collins, Penn State University

Alyssa will discuss how to reduce fungicide resistance by using selection management and proper disease identification.

1.0 PM CCA CEU; PA Pesticide

4 - 4:50 p.m.

Breakout Sessions - Group 5

SESSION A (MAJESTIC 1)

REPEATED SESSION

"Philosophy and Approach to Soil Testing"

John Spargo, Penn State Agricultural Analytical Services Laboratory

Why is it that samples sent to two different labs sometimes come back with different results? How do soil test lab methods differ? Why do labs choose different analytical methods? What are the differences in fertilizer recommendation philosophies and why?

1.0 NM CCA CEU; PA Pesticide; PA Nutrient

Mgmt

SESSION B (MAJESTIC 2)

"On Farm Network/Soybean Trials"

Del Voight, Penn State Extension

Receive an update of on-going and newly developed soybean trials on farms throughout Pennsylvania being conducted in conjunction with the Pennsylvania Soybean Board.

1.0 CM CCA CEU

SESSION C (MAJESTIC 3)

"National Cover Crop Research"

Dr. Tracy Blackmer, Cover Crop Solutions

Dr. Blackmer will discuss how we get to the point of giving nutrient credits for the cover crops your clients grow and making cover crops pay.

1.0 NM CCA CEU; PA Nutrient Mgmt



Day Two Agenda: Wednesday, October 29, 2014

8 a.m. **Registration**
8:45 - 9:45 a.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**

10 - 10:50 a.m. **Breakout Sessions - Group 1**

SESSION A (MAJESTIC 1)
"Restoring Pennsylvania's Waters and the Chesapeake Bay"
Kelly O'Neill, Chesapeake Bay Foundation
Kelly will describe efforts across Pennsylvania by farmers, businesses, municipalities and wastewater treatment plants to reduce pollution. She will also discuss economic benefits of healthy waters, and programs to help farmers with conservation efforts.
1.0 NM CCA CEU; PA Nutrient Mgmt; PA Manure Hauler/Broker

SESSION B (MAJESTIC 2)
REPEATED SESSION
"Precision Ag Technology Update"
Ken Diller, C.B. Hooper, Inc.
This session will help CCAs and other advisers have a better understanding of the fast-paced changes in Precision Agriculture. Be sure to follow-up this session by visiting the Hooper Precision Ag trailer located outside.
1.0 CM CCA CEU; PA Pesticide Core

SESSION C (MAJESTIC 3)
"Soybean Output Product Pipeline"
Del Voight, Penn State Extension
Del will discuss the different technologies in the development pipeline that will be beneficial for the soybean end-user. Technologies to be discussed will include changes in oil content and oil make-up.
1.0 CM CCA CEU

11 - 11:50 a.m. **Breakout Sessions - Group 2**

SESSION A (MAJESTIC 1)
"How the Cornell Soil Health Test Kit Can Help You and Your Clients"
Bob Schindelbeck, Cornell University
Quantifying soil health can be done by using various test kits on the market. In this session learn about the Cornell Soil Health Test Kit, which links cropping practices with soil health test results. Bob will explain the kit, how to use it and how the tests can be applied to help your customers.
1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION B (MAJESTIC 2)
"Understanding and Integrating the Different Crop Record Applications"
Chris Creek, Precision Planting
Chris will be discussing how to work successfully with different crop record platforms for precision ag applications. The session will also cover the topic of variable rate planting recommendations. **1.0 CM CCA CEU; PA Pesticide**

SESSION C (MAJESTIC 3)
"Empowering You to Share Your Agronomic Story with Confidence"
Jane DeMarchi, American Seed Trade Association
Within every agricultural sector it is critical for the farmers and those in the field to be confident and comfortable with sharing their story of how they provide our nation and world with food and fiber. At times the conversation may get difficult and emotional. Jane will equip attendees with the information and background needed to feel confident about having simple conversations with people who may voice opposition, misunderstanding or concern surrounding GMOs and other agronomic practices. **1.0 CM CCA CEU**

SESSION D (PARKING LOT)
"Precision Ag Trailer"
Provided by C.B. Hooper, Inc.
Technology availability is allowing farmers to become more precise and effective with chemical application. Visit this hands-on, interactive display of planters, sprayers and harvesting technologies. Exercises will allow understanding of how equipment can assist with record-keeping and data management. **1.0 CM CCA CEU; PA Pesticide Core**

12 p.m. **LUNCH**

12:45 - 1:45 p.m. **General Session**
"PA 4Rs Update"
Brooke Rosenbaum, PA 4R Alliance
The PA 4R Alliance has been formed and is working to promote nutrient stewardship using the Right Source, Right Rate, Right Time, Right Place mission. Brooke will provide an update on the Alliance's programs and initiatives.
and "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)

"Assessing Soil Health and Fertility Using the Solvita Test"

Will Brinton, Woods End Farm & Laboratories, Inc.

As the developer of the Solvita soil test program, Will will share how the program differentiates itself from other options available. One example of focus will be the Solvita's incorporation of the Haney test to address biologicals.

1.0 SW CCA CEU; PA Nutrient Mgmt

SESSION B (MAJESTIC 2)

"Use of Cover Crops as Forages"

Marvin Hall, Penn State University

You know that cover crops reduce soil erosion, increase soil organic matter and improve water infiltration, but did you know that they can also provide high yields of some very high quality forage? At this session you will be exposed to techniques of "having your cake and eating it to" when it comes to cover crops.

1.0 CM CCA CEU

SESSION C (MAJESTIC 3)

REPEATED SESSION

"Empowering You to Share Your Agronomic Story with Confidence"

Jane DeMarchi, American Seed Trade Association

Within every agricultural sector it is critical for the farmers and those in the field to be confident and comfortable with sharing their story of how they provide our nation and world with food and fiber. At times the conversation may get difficult and emotional. Jane will equip attendees with the information and background needed to feel confident about having simple conversations with people who may voice opposition, misunderstanding or concern surrounding GMOs and other agronomic practices. 1.0 CM CCA CEU

3 - 3:50 p.m.

Breakout Sessions - Group 4

SESSION A (MAJESTIC 1)

"Diseases Seasonal Update and Year in Review"

Alyssa Collins, Penn State University

Agronomic crops saw lower disease pressure throughout the 2014 growing season. Alyssa will provide a year-to-date review as well as discuss identification and application techniques.

1.0 PM CCA CEU; PA Pesticide

SESSION B (MAJESTIC 2)

REPEATED SESSION

"Understanding and Integrating the Different Crop Record Applications"

Chris Creek, Precision Planting

Chris will be discussing how to work successfully with different crop record platforms for precision ag applications. The session will also cover the topic of variable rate planting recommendations.

1.0 CM CCA CEU; PA Pesticide

SESSION C (MAJESTIC 3)

"Recent Developments in Cereal Grains"

Greg Roth, Penn State University

There's lots of exciting developments in small grains: improved scab resistance in wheat, growth regulators, intensive management, hybrid rye, hullless barely, malting barley, triticale and more. This presentation will review some of the current research on these topics from PA and elsewhere.

1.0 CM CCA CEU

SESSION D (PARKING LOT)

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4 - 4:50 p.m.

Breakout Sessions - Group 5

SESSION A (MAJESTIC 1)

"Soil Health Test Roundtable with Bob Shindelbeck and Will Brinton"

Moderator: John Spargo, Penn State University

Take part in this informal question and answer session and allowing for in-depth comparison of the two soil testing programs presented earlier in the day.

1.0 SW CCA CEU

SESSION B (MAJESTIC 2)

REPEATED SESSION

"On Farm Network/Soybean Trials"

Del Voight, Penn State Extension

Receive an update of on-going and newly developed soybean trials on farms throughout Pennsylvania being conducted in conjunction with the Pennsylvania Soybean Board.

1.0 CM CCA CEU

SESSION C (MAJESTIC 3)

"Advances in Interseeding Cover Crops: 2014"

Greg Roth, Penn State University

Now in its third generation of design, the Penn State Interseeder is continuing to demonstrate utility for establishing cover crops in shorter season growing areas in Pennsylvania and neighboring states. We continue to improve the system by testing different species and varieties of cover crops and the compatibility of herbicide use with the system. Alternate uses of the implement are also being developed.

1.0 CM CCA CEU; PA Pesticide

2014
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Conference**
October 28 & 29

Registration Form

Registrations Due by:
OCTOBER 15, 2014

Two Ways to Register:

1. Online (with credit card)

Directions: Log onto <http://www.cvent.com/d/04qtk6/4W> 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? _____

Registration Fee:

Both Days - \$180
 One-Day Only* - \$110
(*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 13, 2014**. 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.