2016 PENNSYLVANIA AGRONOMIC EDUCATION CONFERENCE



JANUARY 21-22, 2016 PENN STATER CONFERENCE CENTER STATE COLLEGE, PA

Hosted by:
The Pennsylvania
Agronomic
Education Society

what you can expect

The Pennsylvania Agronomic Education Conference is a winter tradition for Pennsylvania's agronomy industry. This two-day educational event provides technical information for all aspects of crop production and allows industry, academia and state agency representatives to network and discuss the newest technologies and systems you can use when advising your Pennsylvania crop producer clientele.

In addition to the conference sessions, the annual business meeting of the Pennsylvania Agronomic Education Society will take place on Thursday, January 21 during lunch. At this time the 2016 PAES Board will be elected and the Member of the Year annual content.

cost

Full Conference registration includes all meeting materials, group lunch, breaks and Wednesday evening hors d'oeuvres reception. Registration fee also includes a one-year membership in the Pennsylvania Agronomic Education Society, a \$25 value. **Two Day Early Bird Registration** (On/Before 12-31-2015) **\$220**

Two Day Registration (After 12-31-2015 and Walk-Ins).....\$240
One Day Registration....\$150

Online registration (payable with credit card) is available at http://www.cvent.com/d/nfqk2s.

For those who cannot participate in the conference, but would like to maintain membership in the Society, please use the **Membership only** section of the registration form to submit your dues. No other dues notification or reminder will be sent for this purpose.

PAES Membership Dues Only\$25

lodging

Our home for the Conference will be the Penn Stater Conference Center Hotel, located at 215 Innovation Blvd. near the Route 322 bypass. Attendees are responsible for making their own lodging arrangements by calling the hotel at (800) 233-7505. Room rates of \$96 plus tax per night/single occupancy apply when using Reservation Identification Number *PAAA16B* or referring to the conference name. *Room availability and rates cannot be guaranteed after <u>December 26, 2015</u>. Room cancellations must be made at least 72 hours prior to the arrival date to avoid a possible fee.*

certification program credits

Continuing education credits for the following Pennsylvania certification programs and licenses will be requested and available where appropriate and approved:

- Certified Crop Advisers
- Pennsylvania Pesticide Program
- Pennsylvania Nutrient Management Certification Program

Credits listed are <u>pending</u>. Upon approval, credits will be listed on the appropriate certification program website. A full listing of credits will also be included in the daily agenda distributed at the Conference.

questions?

Contact Amy Bradford at 717-651-5920 or abradford@pennag.com. This information may be found online at www.agsci.psu.edu/paes/conference.

certified crop advisor app

The CCA program will continue using 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.

Please note you will need a QR Code Reader installed on your phone or tablet/IPAD prior to being able to access the App.

Contact Amy Bradford (abradford@pennag.com or 717-651-5920) for assistance.



IPhone



Android

agenda - thursday, january 21, 2016

8 am	Registration and Visit Exhibits				
	(Outside President's Hall)				
9:30 – 11:30 am	Welcome and General Session				
	Moderator – John Rowehl, Conference Chair				
	(President's Hall 3&4)				
	"The Year in Review from an Agriculture Economics Perspective"				
	Lou Moore, Penn State University - Retired				
	Lou joins us to share his annual Ag Econ insight on current crop commodity				
	economic trends and perspective of what the coming year may bring.				
	0.5 CM CCA CEU				
	"Understanding the Honey Bee Decline"				
	Maryann Frazier, Penn State University				
	The honey bee decline is a complex issue. This session will provide an				
	update on the ongoing population decline, give an overview of possible				
	causes and highlight current research projects.				
	1.0 PM CCA CEU				
	"New and Reemerging Crop Disease Issues"				
	Alyssa Collins, Penn State University				
	Just when you thought you've got a handle on plant health, new diseases				
	show up and forgotten ones come back to haunt us. Get an update on				
	what's new and what you should be considering in 2016 and beyond.				
	0.5 PM CCA CEU; PA Pesticide				
11:30 am – 12:30 pm	Group Lunch				
	(Included in Registration)				
	(President's Hall 1&2)				
12:30 pm	General Session				
	(President's Hall 3&4)				
	"Fertilizer Markets – What's Ahead!"				
	Glen Buckley, NPK Fertilizer Advisory Service				
	The presentation will provide a general overview of the current nitrogen,				
	phosphate and potash markets. It will also provide a discussion of the key				
	factors likely to drive the fertilizer markets both short-term and long-term				
	as well as our outlook for supply availability and prices.				
	1.0 NM CCA CEU				
1:30 pm	Visit Exhibits				
r	(Outside President's Hall)				

thursday, january 21 (cont.)

2 - 2:50 pm

Breakout B – Room 207

Breakout Sessions – Group One

Breakout A – Room 206 "Weeds: A Year in Review and Considerations for 2016"

Dwight Lingenfelter, Penn State University

This session will provide an overview of some research results and key weed control issues that we dealt with this past year as well as provide insight on some potential problem weeds in the upcoming growing season. We will discuss management of weeds such as marestail, Palmer amaranth, waterhemp, ragweed, among others.

1.0 PM CCA CEU; PA Pesticide

"Changing View on Fun

"Changing View on Fungicides: Are They No Longer Just for Fungal Disease Control?"

Fric Tedford, Syngenta
Fungicide use on row crops has increased significantly over the past decade largely due to physiological effects from strobilurin fungicides that translate into economic benefits to growers. These benefits go beyond just biotic disease control; they also include mitigation of abiotic stresses that can adversely affect crop yield and quality. This presentation will address grower benefits and the science behind those benefits.

1.0 PM CCA CEU; PA Pesticide (Pending Approval)

Breakout C - Room 208

"Fertilizer Hedging Tools"

Scott Kleckner, INTL FCStone
This session will provide an intro on fertilizer hedging tools and uses.

1.0 NM CCA CEU

3 - 3:50 pm

Breakout A – Room 206

"Do You Need a Soil Health Test?" Charlie White, Penn State Extension Soil health is increasingly of interest to farmers and crop advisers and several soil health testing services are currently available, such as the Cornell Soil Health Test and the Solvita Soil Health Tool. This presentation will describe the soil properties that are measured by these soil health testing services and how they relate to crop management. Finally, we will discuss how standard soil test measurements, such as percent organic matter and Mehlich 3 nutrient concentrations compare to the new suite of soil health measurements using a dataset of soil samples collected from two dozen crop fields and pastures in Pennsylvania.

1.0 SW CCA CEU, PA NM

Breakout B - Room 207

University

"What are the Components of a Plasticulture Production System for Vegetable Crops in Pennsylvania" Dr. William Lamont, Penn State

The components of a plasticulture system of vegetable production will be discussed with thoughts on the various components and the major crops grown using this technology. These components are plastic mulches, drip irrigation systems, fertigation, stand establishment, windbreaks, pest management, season extension technology, and pest management on the following crops: tomatoes, peppers, eggplant, summer squash, cucumbers, muskmelons, pumpkins, cole crops, and sweet corn.

1.0 CM CCA CEU

Breakout C - Room 208

REPEATED SESSION

Breakout Sessions – Group Two

"Fertilizer Hedging Tools"

Scott Kleckner, INTL FCStone

This session will provide an intro on fertilizer hedging tools and uses.

1.0 NM CCA CEU

thursday, january 21 (cont.)

4 – 5 pm	General Session			
	(President's Hall 3&4)			
	"Genetically Modified Organisms – The Technology of Genetic			
	Engineering and How it is Changing Agriculture"			
	Dr. Troy Ott, Penn State University			
	This talk will cover the basics of genetic engineering and discuss new			
	technologies that are making the process more precise and affordable. We			
	will review the history of genetic engineering, current GMO foods and			
	future directions. Finally, we will discuss risks and benefits of GE along with			
	consumer perceptions of the technologies.			
	1.0 CM CCA CEU			
5 – 6:30 pm	Hospitality Hour			
	(Senate Lounge)			
	Enjoy a relaxing time visiting with friends and colleagues.			
7 pm	Student/Industry Workshop			
	(ASI Building)			

agenda - friday, january 22, 2016

7:30 – 9 am	General Session					
	(President's Hall 1&2) Moderator –Larry Burkhart, PAES President					
	-					
	"2015 Weather Recap and What's In Store for 2016" Kyle Imhoff, Penn State University					
	A recap of weather across the United	States (with a focus on				
	Pennsylvania) for the calendar year 2015 will be presented. Additionally a look ahead to the weather in 2016 will be discussed. Some long-range					
	forecasting techniques will be highlighted to explain the process of seasonal forecasting.					
	0.5 CM CCA CEU					
	"Late Coase Netwinst Beauting and for High Violding Cour"					
	"Late Season Nutrient Requirements for High Yielding Corn" Dr. James Camberato, Purdue University					
	Seasonal patterns of macro- and micro-nutrient uptake will be discussed					
	related to nitrogen fertilization. Respo					
	partitioning of nutrients in plant parts will also be discussed. 1.0 NM CCA CEU; PA NM					
0.20 40.20						
9:30 – 10:20 am	Breakout Sessions – Group One					
Breakout A – Room 206	Breakout B – Room 207	Breakout C – Room 208				
"Late Season Nutrient Requirements	"Technologies in Nutrient	"Planting Green: Delaying Cover				
for Soybeans"	Broadcasting that Maximizes	Crop Termination Until Cash Crop				
Dr. James Camberato, Purdue	Productivity and Improves	Planting"				
University	Efficiencies"	John Tooker, Heather Karsten and				
Seasonal patterns of macro- and micro- nutrient uptake will be discussed for	Craig Fenstermaker, Highway Equipment Company/New Leader	Heidi Myer, Penn State University Working with farmers, Penn State				
soybean. Partitioning in plant parts and	This session will focus on meeting	agronomy and entomology				
changes in nutrient uptake related to	the 4R's through new technologies	researchers are comparing				
genetic improvement will also be	in dry nutrient applications.	"planting green" or terminating				
discussed.	Specifics will be provided pertaining	cover crops at the time of plantin				
1.0 NM CCA CEU; PA NM	to how technologies in broadcasting	the subsequent cover crop or				
	equipment and enhanced nutrient	within 4 days, as compared to 10				
	technologies together will help	days – 2 weeks prior to cash crop				
	maximize productivity and improve	planting. A summary of what was				
	efficiencies in your dry nutrient	learned in 2015, the first year of				
	application.	research from five locations acros				
	NM CCA CEU	Pennsylvania will be presented.				
		1.0 SW CCA CEU; PA NM				

friday, january 22 (cont.)

10:35 – 11:25 am	Breakout Sessions – Group Two				
Breakout A – Room 206	Breakout B – Room 207 Breakout C – Room 208				
REPEATED SESSION	"Setup, Operations and Calibration	"Correlating Plant Analysis and			
"Late Season Nutrient Requirements	of Broadcast Spreaders"	Soil Testing to Plant Growth and			
for Soybeans"	Craig Fenstermaker, Highway	Yield"			
Dr. James Camberato, Purdue	Equipment Company/New Leader	Tim Hoerner, Agri Analysis, Inc.			
University	Maintenance, setup, operations and	This session will assist users of			
Seasonal patterns of macro- and micro-	calibration are key to precision	analytical services in their			
nutrient uptake will be discussed for	nutrient placement and application.	understanding of the basic			
soybean. Partitioning in plant parts and	This session will answer the	principles of how Soil Analysis and			
changes in nutrient uptake related to	question: With variable nutrient	Plant Analysis work together to			
genetic improvement will also be	products, how do you setup your	maximize economic crop			
discussed.	broadcast spreader to maximize	productivity while reducing			
1.0 NM CCA CEU; PA NM	broadcast capabilities and improve	nutrient risks to the environment.			
	your efficiencies?	Descriptions of several forms of			
	1.0 NM CCA CEU; PA NM	plant analysis and soil analysis will			
		be provided, along with			
		explanations of the underlying			
		analysis steps associated with			
		each. The use of the resulting			
		analysis data to promote			
		maximum plant growth and yields			
		will be discussed.			
		1.0 NM CCA CEU; PA NM			
11:35 am – 12:35 pm	General Session				
	(President's Hall 3&4)				
	Moderator – Nicole Carutis, PAES President-Elect "GMO Retailer/Consumer Trends"				
	David McCorkle, Pennsylvania Food Merchants Association				
	This session will provide a brief update on GMO legislative labeling				
	initiatives and international consumer education trends. Mr. McCorkle				
	will suggest that a team approach linking production agriculture, food				
	processors, distributors and retailers is a better method for addressing				
	consumer concerns than regulatory and legislative initiatives.				
	1.0 CM CCA CEU				
12:45-1:45 pm	Lunch & Annual PAE				
	(Included in Registration)				
	(President's Hall 1&2)				
	Emcee: Larry Burkhart, PAES President				
	After lunch we will conduct the 2016 Society Assual Business Mostins				
	After lunch we will conduct the 2016 Society Annual Business Meeting, election of the 2016 PAES Board, 2016 Member of the Year Award				
	presentation.				
	presentation.				
	"Closing Comments/Adjourn" – Nicole	e Carutis, PAES President – Elect			
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registration form



Pennsylvania Agronomic Education Conference January 21-22, 2016

Penn Stater Conference Center - State College, PA

Registration Form

For reduced conference fee register before Midnight on December 31, 2015!

Two Ways to Register:

- Online (with Credit Card) Simply log onto http://www.cvent.com/d/nfqk2s to enter your contact information, registration preferences and credit card information for immediate registration, credit card processing and confirmation/receipt of payment.
- 2. **Via Fax/Email/Mail** –Those requesting an invoice or paying by check may complete the information below and return to:

 Amy Bradford | PAES

2215 Forest Hills Drive, Suite 39 | Harrisburg PA 17112 P: 717-651-5920 | F: 717-651-5926 | E: abradford@pennag.com

CONTACT INFORMATION Information will be used for PAES membership purposes.								
Name:								I am a CCA: □Yes □No
Company/Affiliation:								
Address:								
City:	State:	e: Zip Code: E-mail:						
Phone:		Cell: Fax:			Fax:			
I prefer to receive information via: ☐ Mail ☐ Fax ☐ Email I would be interested in serving on the: ☐ PAES Board ☐ Conference Planning Committee								
REGISTRATION Fee includes all conference materials, meals (Thursday breakfast, Thursday reception, lunch both days, breaks both days) and one year Society membership dues (\$25 value) for one person.								
Full Conference	☐ Before	☐ Before December		r 31		Walk-In	Total: \$	
Registration		\$220			\$240			10tal. ş
One Day Registration	☐ \$150 I Will Attend: ☐ Thursday, Jan. 21 ☐ Friday, Jan. 21					Total: \$		
Extra Luncheon Tickets	Thursday, January 21 Friday, January 22 #x \$25 #x \$25				2	Total: \$		
Grand Total Due						\$		
Please List Any Special Dietary Needs:								
ANNUAL PAES MEMBERSHIP ONLY								
For those interested in PAES membership but $unable$ to $attend$ conference. \square \$25				Total: \$				
PAYMENT OPTIONS								

☐ Please Invoice Me

☐ Check Enclosed (Payable to PAES)

support the PAES Scholarship Endowment

Help us groW the future of Pennsylvania's agronomic industry!

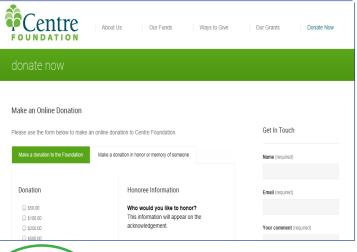
Your **Pennsylvania Agronomic Education Society** has partnered with the Centre Foundation to raise funds to endow the **PA Agronomic Education Society Trustee Scholarship** for Penn State students seeking a degree in the crop and soil sciences. PAES has committed to raise \$50,000 in order to endow a scholarship that will receive matching funds from the PSU Board of Trustees. Our commitment alone has already led to two scholarships being rewarded. To meet our commitment to the PSU Board of Trustees and create the scholarships into perpetuity, we ask for you to join the effort to make this commitment to our agronomic future a reality! Donations are tax deductible, charitable contributions! **Follow these easy steps to donate toward helping our crop of students**



Visit www.centre-foundation.org/funds/336-pennsylvania-agronomic-education-society-fund to learn about the PAES fund to support college students interested in pursuing studies in crop and soil sciences.

Pennsylvania Agronomic Education Society Fund

Supporting Students in the Crop and Soil Sciences



This fund was established by the Pennsylvania Agronomic Education Society (PAES) to encourage more students to pursue a degree in the crop and soil sciences. The PAES is more than 200 professionals engaged in the agronomic sciences. Society members share an interest in staying abreast of the

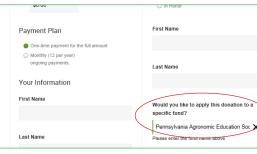


Click on "Donate Now" button for easy-to-complete online donation form. Contributions may be made as a one-time or monthly payment.





Be sure "Pennsylvania Agronomic Education Society Fund" appears in the field asking "Would you like to apply this donation to a specific fund?





Click Submit to complete online credit card transaction.



Story of Fund

Prefer to Donate via Check?

Check donations should be made payable to "Centre Foundation" with "PA Agro Fund" included in the memo. Please mail checks with contact information and any special acknowledgement information (i.e. Anonymous; In Memory/Honor of) to: Centre Foundation, 1377 Ridge Master Drive, State College, PA 16803

Tax Deductible Contribution:

Receipt of your tax deductible contribution will be acknowledged and provided by the Centre Foundation.

Corporate Matching:

Does your employer offer corporate matching? Contact the Centre Foundation at (814) 237-6229 to discuss how you can double your contribution with a corporate match.

For More Information:

Contact Amy Bradford, PAES Secretary at 717-651-5920 or abradford@pennag.com.

