

2009 Pennsylvania Agronomic Education Conference

January 20-21

Penn Stater Conference Center & Hotel

Schedule of Events

DAY ONE -- Tuesday, January 20

8:00 a.m. Registration

9:30 Welcome/ Opening Comments - PAES President Craig Altemose

General Sessions

9:40 Farm Bill Update – Barry Franz, NRCS - .5 Soil and Water CCA credit

10:10 Herbicide Resistance - Mark Loux, Ohio State - .5 Pest Management CCA credit & 1.0 Pest Management Pesticide credit

10:40 Efficacy of Fungicides for the Control of Diseases in Wheat, Corn and Soybeans – Erick Stromberg, Virginia Tech – 1.0 Pest Management CCA credit & 1.0 Pest Management Pesticide credit

11:30 2009 Economic Update – Lou Moore, Dept. of Ag. Ec. & Rural Sociology, Penn State - .5 Professional Development CCA credit — Current economic status of agriculture and what might be expected in 2009 will be discussed.

11:50 Group Lunch (part of conference registration fee)

1:00 p.m. Break-out Sessions (choose one)

A. **The Plant Density Opportunity – Get the Most Out of Every Acre** – Markus Jones, Monsanto – 1.0 Crop Management CCA credit — As growers aspire to increase yields, they will often find that they can increase their seeding rate to achieve this goal. Today's elite genetics, coupled with stress-mitigating insect traits allow for more plants per acre for higher yields

B. **Herbicide Product Update** – Mark Loux – 1.0 Pest Management CCA credit & 1.0 Pest Management

C. **Trends in No-Till Equipment** – Brinkley and Hirst – 1.0 Soil and Water CCA credit

1:50 Transition to Next Break-Out Sessions

2:00 Break-out Sessions (choose one)

D. **Selection of the Appropriate Fungicide for Disease Control in Intensive Wheat Management and Control of Gray Leaf Spot of Corn** – Erik Stromberg, Virginia Tech – 1.0 Pest Management CCA credit & 1.0 Pest Management Pesticide credit

E. **Nutrient Use Efficiency: What, When, Where, How?** – Doug Beegle, Dept. of Crop & Soil Sciences, Penn State – 1.0 Nutrient Management CCA credit — Pesticide credit — Using nutrients efficiently to maximize the agronomic and economic benefit while minimizing the environmental impacts has always been important, however, with high fertilizer prices and greater attention being focused on environmental issues it is critical that we maximize nutrient use efficiency (NUE). There is no simple technological solution to improving NUE. Approaches to smarter use of existing products and practices in a program of adaptive management practices will be discussed.

F. **Refuge in a Bag – Is it a Reality?** – Del Voight, Lebanon Co. Cooperative Extension, Penn State – 1.0 Crop Management CCA credit & 1.0 Pest Management Pesticide credit — This discussion will center on the current refuge requirements and focus on any new developments that may be available related to refuge in a bag. This method would reduce the amount of acres required to have in a non Bt acreage

2:50 Break

General Sessions

3:10 Legume as Cover Crops – Sjoerd Duiker, Dept. of Crop & Soil Sciences, Penn State – 1.0 Crop Management CCA credit — Leguminous cover crops fix nitrogen during a period when the land would otherwise be unused, which has a nitrogen fertilizer value to the following crop. The cover crop may also have a 'rotation effect' above and beyond its nitrogen value. The latest research on this topic will be reviewed.

4:00 What's Happening with Ethanol and its Impact on the Crop Markets – John Urbanchuk, GECC, LLC, Wayne, PA – 1.0 Crop Management CCA credit

4:50 Announcements/Adjourn – PAES President Craig Altemose

5:30 – 7:00 Social Hour – Industry Sponsored Reception

7:00 Student Industry Workshop

DAY TWO -- Wednesday, January 21, 2009

7:30 a.m. Registration

General Sessions

- 8:00 **Weather Update** – Paul Knight, Dept. of Meteorology, Penn State - .5 Crop Management CCA credit —
A discussion of weather patterns experienced during 2008 and a look forward to predicted possibilities for 2009.
- 8:30 **Global Perspective on Agriculture** – David Blandford, Dept. of Ag Economic and Rural Sociology,
Penn State – 1.0 Crop Management CCA credit — In the last few years we have witnessed major changes in
the economic environment facing U.S. Agriculture. This presentation will examine the forces that will shape the
future environment and assess their implications.
- 9:30 **Break**
- 9:50 **Break-out Sessions (choose one)**
- G. Cover Crop Species Selection** – Sjoerd Duiker – 1.0 Soil and Water CCA credit — Cover crops play an
important role in sustainable crop production. They are an important component of no-till systems. We will review
species selection as determined by producer's objectives, climate, soils, and crop rotation.
- H. Ethanol Materials, Technologies, Economics and Markets** – John Urbanchuk, GECCG, LLC, Wayne, PA –
1.0 Crop Management CCA credit
- I. Vertebrate Pest Control – Groundhogs, Deer & Geese** – Norm Conrad, Union Co. Cooperative
Extension, Penn State – 1.0 Pest Management CCA credit — This discussion focuses on the biology,
range, feeding patterns of groundhogs, white tail deer and geese. Participants will receive copies of the PSU
wildlife Management Factsheet series. Integrated control measures and state and federal rules and regulations
shall be discussed.
- 10:40 **Transition to Next Break-Out Sessions**
- J. Global Perspective on Agriculture Continued** – David Blandford – 1.0 Crop Management CCA credit
— A Detailed Analysis of the Global Influences on Commodities, Seed, Pesticide, and Fertilizer Markets.
- K. Management of Beneficial Insects** – John Tooker, Dept. of Entomology, Penn State – 1.0 Pest
Management CCA credit & 1.0 Pest Management Pesticide credit — Insect predators and parasitoids
can provide significant levels of pest control if they are allowed. We will consider various types of beneficial
insects and situations when they can be helpful in field crops suppressing insect pest populations. We will also
address pest control tactics that are compatible with natural enemies so that growers can consider integrating
natural enemies into their IPM programs.
- L. Impact of Soils on Crop Production** – Patrick Drohan, Dept. of Crop and Soil Sciences, Penn State –
1.0 Soil and Water CCA credit
- 11:45 **Luncheon and Business Meeting with Member-of-the-Year Presentation**
- General Sessions**
- 1:15 p.m. **The Value to Manure** – Doug Beegle – 1.0 Nutrient Management CCA credit — A very common question
these days is what is manure worth? It depends: Are you buying or selling? Do you have extra or you need nutrients?
Do you need all nutrients or just N? Where are you located? Is the manure on a regulated farm? and many more.
Considerations for looking at the value of manure in a variety of situations will be covered.
- 2:05 **Opportunities in Nutrient Management – DEP and Red Barn Consulting** – 1.0 Professional Development
CCA credit
- 2:55 **New Renewable Energy Technologies and Their Impact on Agriculture** – Tom Richard, Dept. of Ag.
Engineering, Penn State and Greg Roth, Dept. of Crop and Soil Sciences, Penn State – 1.0 Crop
Management CCA credit — This presentation will discuss new technologies such as cellulosic ethanol,
gasification, pyrolysis and other technologies that can impact the development of next generation biofuels and modify
the impact of future biofuel production on our agricultural systems. We will also discuss some new feedstocks that
are emerging and the potential impact on crop producers.
- 3:45 **Announcements/Closing Comments**
- 3:55 **Adjourn – Have a safe trip home and see you next year!**



Continuing Education Credits

Credits have been applied for CCA credits and Pesticide Application Training credits. As of publication, approval has not been received. If you are interested in what credits have been approved, please check the group's website at <http://paes.cas.psu.edu/> or contact Mary Johnston at 814-234-8771 or mej6@psu.edu after December 20. Amy Bradford at PennAg Industries will also have this information; contact her at abradford@pennag.com or 717-651-5920.

Hotel Reservation Information

The Penn State Conference Center Hotel is located off the Route 322 bypass on Park Avenue in Innovation Park. Room price is \$83 plus tax per night for a single and \$88 for a double room. Conferees are responsible for making their own reservations by December 20; rooms will be reserved on an "if available" basis after that date. Call the hotel at 800-233-7505 and indicate that you are with the PAES Agronomic Education Conference ID #PAE0119.

Conference Registration Information

The registration fee is \$165.00 for members and \$195.00 for non-members if received by January 4, 2009. The registration fee after that date is \$185.00 for members and \$215.00 for non-members. Dues for membership are \$25 per person. Payment of the registration fee includes any handout materials, all sessions, breaks, and the two lunches.

To register, mail or fax the completed registration form and payment to:

PAES

335 Willow Avenue
State College, PA 16801-7236
FAX: 814-235-1775

Full payment must be received prior to the conference; checks payable to **PAES**; **no credit cards are accepted**. Any questions, please contact Mary Johnston at 814-234-8771 or mej6@psu.edu.

Cancellations will be accepted until January 10th with full refund minus dues (if applicable). There will be no refunds after that date.

Questions on program content, contact Don Rill at (814)865-4433 or ndr10@psu.edu. For registration information, contact Mary Johnston at (814)234-8771 or mej6@psu.edu.

Sponsorship Opportunities

With plans for the PA Agronomic Education Conference moving quickly, the PAES Hospitality committee would like to again solicit your support. In order to offer a top quality conference while minimizing the cost to you, our membership, we are looking for sponsors to help defray some of our expenses. These sponsorships will be used toward the meeting breaks, the banquet, and the social hour. All sponsors will be recognized in the program handed out at the conference.

The levels of sponsorship are as follows: **PLATINUM** (\$1000 includes being listed on hand-out program front cover; exhibit table, podium & program recognition and one registration); **GOLD** (\$500+ includes exhibit table, podium & program recognition and 1 registration); **SILVER** (\$350+ – Exhibit table, podium & program recognition); **BRONZE** (\$250+ – podium & program recognition) and **Hospitality** sponsor (\$150+ – program recognition). Exhibit tables can also be set for a \$100 fee.

Please consider a sponsorship, as well as helping us to solicit those vendors that supply your business. All checks should be made payable to: **PAES** and mailed to Mary Johnston, 335 Willow Avenue, State College, PA 16801-7236. Thank you for your support.

PENNSYLVANIA AGRONOMIC EDUCATION SOCIETY
PA AGRONOMIC EDUCATION CONFERENCE
JANUARY 20 – 21, 2009
REGISTRATION/DUES FORM

PLEASE PRINT & SUBMIT A FORM FOR EACH REGISTRANT

NAME _____ LAST _____ FIRST _____

FIRM _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

DAYTIME TELEPHONE # (_____) _____
AREA CODE

E-MAIL ADDRESS _____

PLEASE SEND MY COPY OF THE PAES MEMBERSHIP DIRECTORY VIA _____ PDF TO EMAIL ADDRESS
 _____ U.S. MAIL

REGISTRATION FEES

Members - \$165.00 if received by Jan. 4; \$185.00 after Jan. 4 or walk-in \$ _____

Non-members - \$195.00 if received by Jan. 4; \$215.00 after Jan. 4 or walk-in \$ _____

Jan. 20 extra luncheon tickets - \$25.00 (one included in registration fee) \$ _____

Jan. 21 extra luncheon tickets - \$35.00 (one included in registration fee) \$ _____

Dues - \$25/ person if not attending conference \$ _____

I am an Honorary Member of the Society & do not need to pay dues. _____

Total remitted \$ _____

___ I AM A CCA.

Please send my Membership Roster to me via (check one) _____ email (pdf) _____ U.S. mail

SEND THIS FORM WITH CHECK (PAYABLE TO **PAES**) TO:

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 335 WILLOW AVENUE
 STATE COLLEGE, PA 16801-7236
 Phone: (814) 234-8771
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 E-mail: mej6@psu.edu
 Fed. ID #25-1694905

CREDIT CARDS ARE NOT ACCEPTED.



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STATE COLLEGE PA 16801-7236

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IMPORTANT: REGISTRATION MATERIALS



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