



September 2019 Newsletter

In this issue:

- 2019 Science Policy Experience on Pest Resistance Management a Big Success!
- Pollinator Video Contest: Win \$\$ - Deadline to submit, October 25
- P-IE Professional Award Winners Announced
- Student Volunteers Needed to Assist with P-IE Networking Session
- Plan to Attend the P-IE Networking Session in St. Louis – Two Interactive Events and Raffle Prizes
- Come to the P-IE Feedback Session in St. Louis to get involved with YOUR Section!

Science Policy Experience: Changing Our Dialogue on Resistance Management

If you were asked "How did that insect or weed become resistant?", many of you would answer with a scientifically based biological reason on how resistance developed in a particular geography. It is easy to dive into the facts about how resistance should have been managed. However, on August 6th and 7th, 2019, in Iowa, about 70 participants from across the US representing growers, ag retail, commodity groups, pesticide and biotech firms, lenders, NGOs, EPA, USDA, and university research and extension scientists convened to discuss why these wicked problems continue to develop, despite all the knowledge that exists. The Science Policy Experience on Pest Resistance Management was held on the first day in Logan, IA, and the second day in Ankeny, IA, and focused on community-based approaches for managing resistance. The workshop was co-sponsored by the ESA (PBT and P-IE Sections), Weed Science Society of America, Corteva Agriscience, IPRMP, and a U.S. Department of Agriculture, Animal and Plant Health Inspection Service (USDA-APHIS) grant to the WSSA.

Participants learned that pest resistance is a multidimensional problem that often fails to fully consider the human dimension of pest management. Because insects and weeds do not know property lines, effective pest management is impossible to do successfully on any one individual farm. It takes a communal approach to holistically manage these pests and to the degree possible, a proactive approach that delays the onset of resistance, as opposed to a reactive approach in responding to crises after they develop. An example was the effort by a diverse group of farmers and agriculturalists in western Iowa to engage with corn and soybean farmers. Presentations on the second day focused on weeds, pink bollworm, soybean aphid, science communication and the ESA's policy statements on resistance management.

The events supported the ESA Position Statement (2016) on IRM for genetically modified crops which emphasizes cooperation amongst stakeholders and research on socio-economic implications of policies. Cooperation begins with developing trust at all levels among the different stakeholder groups. Once connections are made that break the natural human barriers of communication, we can start to recognize that we all have very similar values and can relate to the importance and need to address current risks together. The science policy experience was a first of what the organizers hope to be the beginning of a continuous dialogue among all key stakeholders.



P-IE Pollinator Video Contest

Calling all pollinator/pollination researchers and educators – the P-IE Pollinator Video Contest is on for 2019! Create and submit a 3-5 min video on: 1) pollinator/pollination biology and ecology, or 2) pollinator research program highlights. Cash prizes will be awarded to the first- (\$500) and second-place (\$250) winners in each video category. Winning and honorable mention videos will be posted on the [P-IE Pollinator Video webpage](#), and highlights shared at the P-IE Networking Session in St. Louis (Monday, November 18, at 3:00 pm). Submit your pollinator videos [here](#) by **October 25, 2019**. Questions? Send an email to pievideocontest@gmail.com.

P-IE Professional Award Winners

Congratulations to our professional award winners for 2019! Come to the P-IE Networking Session in St. Louis (Monday, November 18, afternoon) to celebrate their accomplishments.

Lifetime Achievement Award in Entomology

Dr. Fred Gould, North Carolina State University

Recognition Award in Entomology (sponsored by Syngenta Crop Protection)

Dr. James Walgenbach, North Carolina State University

IPM Team Award (sponsored by Corteva Agriscience)

Development of Compatible IPM Tactics of Sugarcane Aphid on Sorghum

Brent W. Bean, United Sorghum Checkoff Program

Robert D. Bowling, Bayer Crop Science

Michael J. Brewer, Texas A&M University

G. David Buntin, University of Georgia

Norman C. Elliott, USDA ARS Field Crops Research Laboratory

John W. Gordy, Syngenta Crop Protection

Amanda J. Jacobson, Corteva Agriscience

Ronald J. Navarrete-Ganchozo, Bayer Crop Science

Nicholas J. Seiter, University of Illinois

Jason L. Thomas, University of Idaho

James B. Woolley, Texas A&M University

ESA Annual Meeting Volunteers Needed

Get Involved: The P-IE Networking Session needs student volunteers to assist with the annual business meeting. Volunteers are a crucial component to the meeting and we would be grateful for your time. If interested, please contact [Anh Tran](#) and include "P-IE Session Volunteer" in the subject line. Thanks for your assistance and support!



New Activities at P-IE Networking Session: Plan to Attend!

Join your colleagues and friends at the P-IE networking session in St. Louis on Monday, November 18th from 2:30-5:30pm in America's Center Room 230/231. The session will include two engaging activities: 1) speed-networking and 2) hot topic discussions. A presentation on the outcomes and lessons learned at the summer pest resistance management Science Policy Field Tour will follow the brief business meeting, award presentations, and pollinator video contest winners. As always, there will be pie and beverages, and raffle prizes. The two active-learning events will run concurrently with open networking and refreshments. Plan to participate and enjoy the company of your fellow P-IE members.

Speed-networking: We hope this event will facilitate conversations between career experts and students and early-career professional entomologists. To us, success for this event looks like a space full of people sharing their passion about why they do what they do. To register your interest in this event, we are requesting a short bio (250 words or less) from all of our participants by October 31st. Please include your name, photo, who you work for, where you work, contact info, and a brief statement about the kind of work that you do. These summaries will be sent out to all registered event participants in early November.

Event Time and Space: The Speed Networking event will take place in the adjacent hallway to the P-IE Networking Session room on Monday, November 18th from 4:30 - 5:10 pm (during the last hour of the P-IE Networking Session). A separate cash bar will be available in the Speed Networking space.

Event Schedule: The event will take place through rotating, 5-minute conversations. We will not be able to guarantee conversations between all participants. However, all participants could choose to use the remaining 20 minutes of the P-IE Networking Session social hour to meet up with an individual you missed or to schedule another time to meet up later in the meeting!

We hope future employers and employees working in entomology will take advantage of this ice-breaker event. Contact [Jeff Bradshaw](#) and [Nick Larson](#) to participate.

Hot Topics: Topics will be provided for debate and discussion in small groups. Attendees can join any of the discussions. The following topics (and leaders) have been selected by the Governing Council:

- Brown marmorated stinkbug in the western U.S., Lisa Neven

- Field sustainability of RNAi-based insecticides, Andrei Alyokhin
- Moving pest sampling into the 21st Century, Dominic Reisig
- Gene drive: Should we use it to control pests? Raul Medina
- IRM approaches for intensive crop production landscapes, Anders Huseth
- Pollinator conservation: bring a feast to a famine, Matt O'Neal
- P-IE Governing Council: Section and Society issues, David Onstad

Contact [David Onstad](#) for more information.

Two Raffle Prizes: Attend the networking session to win a fabulous raffle prize (hint, the prizes are rumored to be noise-cancelling headphones!



P-IE Feedback Session at ESA Annual Meeting

P-IE will hold a Feedback Session on Wednesday, November 20th from 7-8 am in the America's Center Room 263. Come and enjoy a free breakfast and interact with your fellow P-IE colleagues. The objective of the morning session is to promote discussion and feedback from P-IE members on any relevant topic, including the ESA conference sessions and content, Section initiatives and activities, and to develop future priorities for the Section. See you there!

P-IE Governing Council

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