

# Entomological Society of America Plant-Insect Ecosystems Section

## April 2013 Newsletter



<http://www.entsoc.org/pie>

### P-IE Calendar

- April 30 – Deadline for ESA National Office Nominations to the Section
- May 1 – Deadline for P-IE Undergraduate nominations
- May 1-June 3 – Submitted Posters and Papers to National Meeting Open
- May 15 – Deadline for Branches to submit their nominations for national office
- June 1 – Deadline for Nominations for section Student Rep, committees and boards
- June 16-19 – North Central Branch Meeting
- August 9 – Deadline for Nominations for MS Students for Legend of Entomology Award

### Nominations for ESA National Office & P-IE Committees

The Section has until May 16 to submit nominations for ESA national offices. We are therefore requesting that you submit nominations or volunteer to run for office to the P-IE Section Nominating Committee or directly to the GC by **April 30** so we can have a runoff election if needed. *We need candidates for 1) ESA VP Elect, 2) P-IE VP Elect, 3) ESA Treasurer and 4) Certification Board Representative.*

By or before June 1, the P-IE Nominating Committee also needs candidates to represent P-IE for the following: 1) Student Affairs (active student), 2) P-IE Secretary, 3) P-IE Treasurer, 4) Student Awards Committee Member from Government, 5) P-IE Nominating Committee members one each from SEB and International Branch, 4) JEE Editorial Board, 6) JIPM Editorial Board, 7) J Med Ent Editorial Board, 8) Fellows Judging Panel (must be a Fellow), 9) Insect Physiology, Biochem. & Tox. Award, and the 10) Kenneth & Barbara Starks Plant Resistance Award.

The 2013 P-IE Nominating Committee members are:

David Held, chair	Southeastern	dwh0004@auburn.edu
Rachid Hanna, vice-chair	International	r.hanna@cgiar.org
Mary Purcell-Miramontes	Eastern	mpurcel@nifa.usda.gov
Doug Walsh	Pacific Branch	dwalsh@wsu.edu
Tom Royer	Southwestern	tom.royer@okstate.edu
Rob Venette	North Central	rvenette@fs.fed.us
Bonnie Pendleton, <i>ex officio</i>	P-IE GC, P-IE Past Pres.	bpendleton@wtamu.edu

## Student Award Nominations

It is time to nominate well-deserving undergraduate and Masters students. The P-IE Section annually awards as many as four undergraduates and one Masters student with \$1,500 cash awards, as well as a plaque and recognition at the P-IE Section meeting at the Annual Meeting of ESA. The undergraduate and Masters winners are expected to give poster or oral presentations at the ESA annual meeting. Complete guidelines are available on the Section portion of the ESA website <http://www.entsoc.org/pie> and there is a summary below for the undergraduate award or by contacting the student award committee chair Dr. Miriam Cooperband, [mcooperb@aphis.usda.gov](mailto:mcooperb@aphis.usda.gov). The deadlines this year for the P-IE Section undergraduate student awards is May 1, and August 9 for the M.S. award.

The Undergraduate Achievement Award committee will consider applications from students who have demonstrated activity and achievement in entomology, and who have distinguished themselves in either: 1) an undergraduate research project; 2) a creative approach to teaching; or 3) a creative achievement in outreach. Applicants must be members of the ESA and must be enrolled as undergraduate students (not necessarily in an Entomology Department) at the time of application. (See [http://entsoc.org/membership/join\\_renew/join\\_form](http://entsoc.org/membership/join_renew/join_form) for information on how to become an ESA undergraduate member). Preference will be given to student members of the P-IE Section or to those whose research, teaching or outreach accomplishments are related to the P-IE Section disciplinary areas.

Applications will consist of:

- 1) Two letters of support from the academic advisor, undergraduate research advisor, department head, or other faculty familiar with the student's achievements (the student need not be an Entomology major or in an Entomology Department) (2 page maximum per letter),
  - 2) An official copy of the student's transcript, or a transcript copy signed by a faculty member, that includes most recent GPA,
  - 3) A resume or C.V. of the applicant (3 page maximum),
  - 4) An abstract, or summary, of the accomplishment (whether research, teaching or outreach), demonstrating the creativity and significance of the accomplishment (1 page maximum),
  - 5) A statement by the applicant agreeing — if selected — to submit and present a paper or poster the year of the award in the P-IE Section of the National meeting of the Entomological Society of America..
- Applications are to be submitted as attached electronic files (PDF or Word), and submitted by the nominating academic advisor, department head, or supervising faculty member.

## 2013 ESA-SME: First Quarter Report on USEPA Liaison Activities

Mark Whalon, March 21, 2013

Interaction and activities with USEPA OPP and other Divisions representing the Entomology Society of America as Subject Matter Expert (SME) and liaison during the first quarter of 2013 site visit in Washington, DC.

Jill Schroeder (Weed Science Society of America's SME) and ESA's SME, Mark Whalon, teamed up to meet with USEPA staff from several different Divisions to address Pesticide Resistance Management Terminology (RM). Please see the attached Document. Your comments are most welcome...

Clayton Myers (BEAD) helped to organize the Conference and I have attached the terminology that USEPA is considering. If you are interested in resistance, please take the time to peruse these suggested terms. Keep in mind that a specific term or 'descriptive-set-of-words' may be targeting a pathogen or weed situation rather than an arthropod circumstance. The Agency's hope is that these terms would be adopted by the scientific organizations involved, so that unambiguous communication can occur where field resistance may generate a policy response. If you are interested, please look these terms over and forward your suggestions and comments to me via my email address (whalon@msu.edu) or directly to Clayton Myers (USEPA:BEAD). The Agency hopes to complete the stakeholder feedback by May 2013.

At the request of Lois Rossi (Registration Division), Dan Rosenblatt invested time with the SME to address USEPA's Maximum Residue Limit (MRL) policy in specialty crops in the US. The problem is twofold. First, MRLs are sometimes not harmonized between trading countries across the globe (although the EU now has the CODEX system which has mandated a "harmonization" in Europe), and many non-EU countries lag far behind. This means that producers in the US who choose to export their produce will likely face different and changing regulations depending on the countries they export to. The US also has some of the most lenient pesticide residue tolerances anywhere on earth. Therefore, businesses wishing to export to various edible products to the US, for the most part, have much easier thresholds to overcome than do US exporters in reciprocal trade. Obviously this situation leads to trade barriers and export problems for US producers of agriculture products. A subsequent meeting led by Lois Rossi outlined USEPA plans to continue to support and promulgate sound MRL policy through the Codex Alimentarius ([www.codexalimentarius.org/](http://www.codexalimentarius.org/)) processes, but the scheduling and time required to achieve these goals often exceed two or even five years! As the SME, I plan to focus some effort on these issues in the months ahead so expect more discussion over the summer.

USEPA's appreciation of the Invasive Species Threat continues to be a high priority for the Agency, and the Agency's long-term strategy is to provide the Pest Management Tools that the Nation needs to address invasives. However, the Agency believes that the current emergency exemption processes under FIFRA and FQPA will be sufficient to address this rising tide of short-notice arthropod invaders. I do not necessarily believe that a majority of entomologists in the field would share this view. Please email me your comments. It is my expectation that this issue will be a high priority in further discussions with the Agency in 2013, and I would appreciate your input and suggestions addressing what the Agency can do to more rapidly engage the invasives introduced into the US.

## **P-IE Section Symposiums for ESA Annual Meeting**

The P-IE GC received 32 symposia to rank and select as Section Symposia. This was a very hard task because of the very high quality of all submissions. Our rankings were based on not only potential attendance but also we selected at least one symposium from the many diverse areas that P-IE members represent. Our rankings were submitted to the ESA Program Chairs, and the following P-IE Section Symposia were accepted. The others will be Member Symposia. It is clear the 2013 Austin meeting will be jam packed with great content so make your plans to attend if you haven't already.

## **Plant–Insect Ecosystems Section Symposia:**

### **Arthropod Food Webs: A System for Studying Dynamic Responses to Global Change**

Organizer: Ashley Asmus

### **Beyond the LC50: Advancements in Toxicological Research on Pollinators**

Organizers: Kristen Hladun, Reed Johnson

### **Biofuel Cropping Systems: Connecting Beneficial Arthropods, Ecosystem Services, and Landscape Effects**

Organizers: Ashley Bennett, Julie A. Peterson

### **Climate Change & Arthropod Pest Dynamics: Research to Accelerate our Science and Inform Public Policy**

Organizers: William D. Hutchison, Robert Venette

### **Connecting Healthy Pollinators, Diverse Microbiota, and the Changing Environment**

Organizers: Tugrul Giray, Vanessa Corby-Harris, Gloria DeGrandi-Hoffman

### **Connecting Research, Outreach and Regulatory efforts to Protect Honey Bee Health**

Organizers: Robyn Rose, Jeff Pettis

### **Corn Rootworm Management: Current Status, Challenges & Novel Strategies**

Organizers: Murugesan Rangasamy, Nandi Nagaraj

### **Current Status of Vegetable Insect Pests in the USA**

Organizers: Shimat V. Joseph, David G. Riley

### **Does Successful Resistance Management Require At Least Some Government Regulation?**

Organizers: Rick Roush, Fred Gould, Anthony M. Shelton, Bruce E. Tabashnik

### **Ecological Services of Insect Microbial Control Agents**

Organizers: Denny Bruck, Steven P. Arthurs

### **Exchange of Insects between Native and Non-native Plants: Novel Food Webs, Invasions, and Biocontrol**

Organizer: Ian S. Pearse

### **Insect Ecology in the World's Most Populated Habitat: Connecting Scientists, Practitioners, and the Public**

Organizers: Elsa Youngsteadt, Emily K. Meineke, Adam Dale

### **Insect-Microbe-Plant Interactions (Interactions between Insect Herbivores, Microorganisms and Their Host Plants)**

Organizers: Diana Six, Peter Witzgall

### **Integrated Pest Management in the Connected World of Whole-Farm Ecosystems**

Organizers: Norman Leppla, Thomas A. Green

### **Interactions between Biological Control of Pests and Other Ecosystem Services**

Organizers: SD Wratten, Doug A. Landis, William E. Snyder

### **Mechanisms of Resistance: From Mechanism to Management, IRAC US Symposium Series: No.9**

Organizers: Graham P. Head, Caydee Savinelli, Bradley W. Hopkins, Daniel Vincent, Scott Ludwig, Natalie Hummel

### **Modern Concepts for Statistical Modeling of Field Studies: From GLMs to GLMMs.**

Organizers: Sara Duke, Dale W. Spurgeon

### **Plant Defense and Insect Counter-Defense: An Ongoing Battle**

Organizers: Joe Louis, Seung Ho Chung

### **Solutions for Invasive Insect Pests in a Connected World**

Organizers: Suhas Vyavhare, Raul F. Medina, MO. Way, Bonnie B. Pendleton

### **The Effect of Microbes on Insect-Plant Interactions**

Organizers: Allison Hansen, Clare Casteel

### **The Environment as the Sculptor: How Abiotic Factors Shape Plant-Insect Interactions**

Organizer: Warren B. Sconiers

### **The Larry Larson Symposium: How Science has Impacted a Connected World by Expanding the Use of Insecticides Beyond Core Agricultural Markets**

Organizers: Luis E. Gomez, Mike P. Tolley

## **Not Another Survey**

Yes the P-IE GC is considering a short survey soon to poll members on ways to improve service to members and the effectiveness of the section. If you have a question that would help us sharpen our focus please share it with your favorite GC member the next few weeks.

## **P-IE Governing Council (GC)**

Bonnie Pendleton, Past President (bpendleton@wtamu.edu)

Gary Thompson, President (gdthompson@dow.com)

John Adamczyk, Vice President ( jadamczyk301@gmail.com)

Sujaya Rao, Vice President Elect (sujaya@oregonstate.edu)

Melissa Willrich Siebert, Secretary (mwillrichsiebert@dow.com)

Paula Davis, Treasurer (paula.davis@pioneer.com)

Alton "Stormy" Sparks, ESA Governing Board Representative (asparks@uga.edu)

Joy Newton, Student Representative (joysbugs@gmail.com)