

**92<sup>nd</sup> Cumberland-Shenandoah Fruit Workers Conference  
December 1-2, 2016**

**Hilton Garden Inn, Winchester, VA**

**CONFERENCE AGENDA**

**Thursday, December 1**

- 8:00 – 9:00      **Registration** – Pre-registration room
- 9:00 – 9:10      **Call to Order** – 92<sup>nd</sup> Cumberland-Shenandoah Fruit Workers Conference
- 9:10 – 10:10     **Call of the States**
- 10:10 – 11:00    **Call of the Industry**
- 11:00 – 11:15    **Break**
- 11:15 – 12:15    **General Session**  
**Apple production in Jumla, Nepal.** Chris Bergh. Virginia Tech, AHS Jr. AREC,  
Winchester, VA.  
**Virginia’s wine grape industry beyond 2020: Plant, planting and pest  
considerations.** Tony Wolf. Virginia Tech, AHS Jr. AREC, Winchester, VA.
- 12:15 – 1:15     **Lunch**
- 1:15 – 5:00      **Concurrent Sessions**  
Entomology  
Horticulture  
Plant Pathology
- 5:30              **Mixer**

**Friday, December 2**

- 8:00 – 9:00      **Business Meeting**
- 9:00              **Concurrent Sessions continued**

## Concurrent Sessions Agenda Entomology

### Thursday, December 1

- 1:15 – 1:30 **Ambrosia beetle trials in NY apples – Round 2.** Art Agnello, Dave Combs, Forest English-Loeb, and Josh Neal. Cornell University, NYSAES, Geneva, NY.
- 1:30 – 1:45 **How the loss of Lorsban could affect apple IPM.** David Biddinger and Katie Ellis. Penn State University, FREC, Biglerville, PA.
- 1:45 – 2:00 **Control of periodical cicada oviposition damage on non-bearing apple trees using methods approved for organic production.** Daniel Frank. WV University, Morgantown, WV.
- 2:00 – 2:15 **Field validation of the Z-Trap technology for monitoring codling moth and oriental fruit moth.** Greg Krawczyk, Brian Lehman, Larry Hull, and Johnny Park. Penn State University, FREC, Biglerville, PA.
- 2:15 – 2:30 **Performance of pheromone lures and sprayable pheromone for mating disruption of oriental fruit moth and codling moth.** Steve Schoof and Jim Walgenbach. NC State University, MHCRC, Mills River, NC.
- 2:30 – 2:45 **Emergence of overwintering *Halyomorpha halys* from experimental shelters along a transect from New Jersey to Georgia.** Chris Bergh, Tracy Leskey, Jim Walgenbach, George Hamilton, Mike Toews and Angel Acebes-Doria. Virginia Tech. AHS Jr. AREC, Winchester, VA.
- 2:45 – 3:00 ***Halyomorpha halys* feeding and mortality comparison of Closer and Bifenthrin treated fruit.** Peter Jentsch and Dana Acimovic. Cornell University, Hudson Valley Lab, Highland, NY.
- 3:00 – 3:15 **Break**
- 3:15 – 3:30 **Refinement of perimeter-based management tactics for *H. halys* in apple orchards.** Brent Short and Tracy Leskey. USDA-ARS AFRS, Kearneysville, WV.
- 3:45 – 4:00 **Association of pheromone trap captures and BMSB damage in NC apples.** Emily Ogburn, Steve Schoof, and Jim Walgenbach. NC State University, MHCRC, Mills River, NC.
- 4:00 – 4:15 **Differences in population response of *Halyomorpha halys* to pheromone traps in apple and peach.** Anne Nielsen, Joe Kaser and Clement Akosten-Mensah. Rutgers University, RAREC, Bridgeton, NJ.
- 4:15 – 4:30 **Improving trap-based monitoring tools for brown marmorated stink bug.** Tracy Leskey, Brent Short, William Morrison, Kevin Rice and Tom Kuhar. USDA-ARS AFRS, Kearneysville, WV.
- 4:30 – 4:45 **Monitoring brown marmorated stink bug and its egg parasitoids in the tree canopy: Initial approaches.** Nicole Quinn, Tracy Leskey and Chris Bergh. Virginia Tech, AHS Jr. AREC, Winchester, VA.
- 4:45 – 5:00 **Host stimuli affects the foraging of the brown marmorated stink bug.** Rob Morrison and Tracy Leskey. USDA-ARS AFRS, Kearneysville, WV.

### Friday, December 2

- 9:00 – 9:15 **Effect of trap position and bait type on capture of spotted wing drosophila.** Dean Polk and Kyle Clement. Rutgers University, RFREC, Cream Ridge, NJ.
- 9:15 – 9:30 **Does canopy manipulation impact yield and SWD infestation levels in the outer versus inner canopies of raspberries?** Chris Taylor, Bryan Butler and Kelly Hamby. Univ. Maryland, College Park, MD.
- 9:30 – 9:45 **Developing attract-and-kill strategies to manage spotted wing drosophila, *Drosophila suzukii* Katsumara, in raspberry.** Peter Jentsch and Tim Lampasona. Cornell University, Hudson Valley Lab.
- 9:45 – 10:00 **Development of attract-and-kill strategy for spotted wing drosophila.** Kevin Rice and Tracy Leskey. USDA-ARS AFRS, Kearneysville, WV.

## Concurrent Sessions Agenda Horticulture

### Thursday, December 1

- 1:15 – 1:30 **Development of the Northeast Center to Advance Food Safety (NECAFS).** Christopher Walsh. University of Maryland, College Park, MD.
- 1:30 – 1:45 **A fruit maturity program for the Mid-Atlantic region; New cultivars and new technologies.** Christopher Walsh, Kathleen Hunt, Brianne Redman, Tara Baugher, and Norma Young. University of Maryland, College Park, MD.
- 1:45 – 2:00 **Bitter pit in Honeycrisp on G-41 vs M9-337: Field observations from a grower extension visit.** Daniel Donahue. Cornell University, Highland, NY.
- 2:00 – 2:15 **Mystery blotches on peach fruit: Occurrence and things that do NOT cause bronzing.** Guido Schnabel, Juan Carlos Melgar, and Jaine Allran. Clemson University, Clemson, SC.
- 2:15 – 2:30 **Sunburn management of Honeycrisp in New York.** Gemma Reig Cordoba. Cornell University, Highland, NY.
- 2:30 – 2:45 **Using paper bags for the production of high-quality peaches in the southeastern U.S.** Juan Carlos Melgar, Jaine Allran, and Guido Schnabel. Clemson University, Clemson, SC.
- 2:45 – 3:00 **Planting hole amendment and mulch effects on blueberry establishment and yield in southern Delaware.** Emmalea Ernest. University of Delaware, Georgetown, DE.
- 3:00 – 3:15 **Can a weak graft union be predicted by a tree's cellular anatomy?** Michael Basedow and Robert Crassweller. Penn State University, University Park, PA.
- 3:15 – 3:30 **Break**
- 3:45 – 4:00 **Evaluation of early thinning with 1-Naphthaleneacetamide or artificial spur extinction (ASE), with and without post-bloom 1-Naphthaleneacetic acid plus carbaryl.** Jim Schupp, Edwin Winzeler, and Melanie Schupp. Penn State University, Biglerville, PA.
- 4:00 – 4:15 **An autonomous measurement system for dormant trees.** Amy Tabb. USDA-ARS, Kearneysville, WV.
- 4:15 – 4:30 **Thermal shock temperature and timing effects on apple stigmatic receptivity, pollen tube growth, and leaf injury.** Tom Kon and Jim Schupp. NC State University, Mills River, NC.
- 4:30 – 5:00 **Catch-up/Discussion**

## Concurrent Sessions Agenda Plant Pathology

### Thursday, December 1

- 1:15 – 1:30 **Quiescent *Erwinia amylovora* in apple budwood.** Kerik Cox and Kiersten Tancos, Cornell University, Geneva, NY
- 1:30 – 1:45 **Changes in epiphytic bacteria in the apple phyllosphere following post-bloom applications of streptomycin and kasugamycin.** Kerik Cox and Kiersten Tancos, Cornell University, Geneva, NY
- 1:45 – 2:00 **Managing fire blight in Pennsylvania: What worked and what didn't in 2016.** Kari Peter and Brian Lehman, Penn State University, Biglerville, PA.
- 2:00 – 2:15 **Evaluation of low rates of kudos and two new prohexadione formulations for suppressing shoot growth and fire blight management.** Brian Lehman, Edwin Winzeler, Jim Schupp, and Kari Peter, Penn State University, Biglerville, PA
- 2:15 – 2:30 **Population dynamics of *Erwinia amylovora* on apple flower stigmas and effect of antibiotic treatment.** Suzanne Slack and George Sundin, Michigan State University, East Lansing, MI
- 2:30 – 2:45 **Fire blight management in apple: Observations from Mid-Atlantic tree fruit iPIPE project.** Mahfuz Rahman, West Virginia University.
- 2:45 – 3:00 **Armed and dangerous: Postharvest fungicide-resistant blue mold.** Wayne Jurick II, USDA-ARS, Beltsville, MD.
- 3:00 – 3:15 **Breaking the mold with *Penicillium* comparative genomics.** Wayne Jurick II, USDA-ARS, Beltsville, MD.
- 3:15 – 3:30 **Break**
- 3:45 – 4:00 **Brown rot management in Pennsylvania: Fungicides and fruit bagging.** Kari Peter and Brian Lehman, Penn State University, Biglerville, PA.
- 4:00 – 4:15 **Peach bacterial spot control: Comparison of oxytetracycline, kasugamycin, and copper bactericides.** Norman Lalancette and Lorna Blaus, Rutgers University, Bridgetown, NJ
- 4:15 – 4:30 **Management of peach diseases with biorational and conventional fungicides.** Norman Lalancette, Lorna Blaus and Peninah Feldman, Rutgers University, Bridgetown, NJ.
- 4:30 – 4:45 **Methods for identifying *Colletotrichum* species causing ripe rot of grape in Virginia.** Charlotte Oliver and Mizuho Nita, Virginia Tech, Winchester, VA.
- 4:45 – 5:00 **2016 Glomerella observations in apple: Not your average bitter rot.** Sara Villani, NC State University, Mills River, NC.

### Friday, December 2

- 9:00 – 9:15 **DMI fungicides for control of *Colletotrichum* species.** Guido Schnabel and Shuning Chen, Clemson University, Clemson SC.
- 9:15 – 9:30 **Understanding bitter rot in apples: A review of recent literature.** David Rosenberger, Cornell University, Highland, NY.
- 9:30 – 9:45 **Highlights of 2016 fungicide testing on apples.** Keith Yoder, VA Tech, Winchester, VA.
- 9:45 – 10:00 **2016 Fungicide efficacy trials for apple disease management in Pennsylvania.** Kari Peter and Brian Lehman, Penn State University, Biglerville, PA.
- 10:00 – 10:15 **Fungicide performance trials for management of grape powdery mildew, downy mildew, and late season rots at Winchester, VA. 2016.** Mizuho Nita, Sabrina Hartley, and Amanda Bly, VA Tech, Winchester, VA.