

## Orchard Pest and Disease Management Conference 2024 Agenda

Below is the order in which the sessions will be given and the projected time slot in which they will occur. Note that the agenda is NOT a fixed time schedule and the actual time at which you are called to give your talk may vary.

Wednesday, January 10 <sup>th</sup>	
8:00 AM	<b>Registration/Name Tag Pickup</b>
9:00 AM	<b>Opening Business</b> —Chris Adams, OPDMC Chair
10:00 AM	Chemical Control / New Products
11:30 AM	<b>Lunch (on your own)</b>
1:00 PM	Biology / Phenology
2:30 PM	<b>Coffee Break</b>
3:00 PM	Biology / Phenology ( <i>cont'd</i> )
4:00 PM	<b>Keynote Address:</b> On the Road to IPM—Moving Towards a More Ecologically Based and Environmentally Friendly Pest Management System- Rick Hilton
5:00 PM	<b>Adjourn</b>
5:00 – 7:00 PM	<b>No Host Mixer (Hilton Lobby)</b>
Thursday, January 11 <sup>th</sup>	
8:00 AM	Biology / Phenology ( <i>cont'd</i> )
8:45 AM	Mating Disruption / SIR
10:00 AM	<b>Coffee Break</b>
10:30 AM	Mating Disruption / SIR ( <i>cont'd</i> )
11:00 AM	Thresholds / Monitoring
11:30 AM	<b>Lunch (on your own)</b>
1:00 PM	Thresholds / Monitoring ( <i>cont'd</i> )
1:30 PM	Biological Control
2:30 PM	<b>Coffee Break</b>
3:00 PM	Biological Control ( <i>cont'd</i> )
4:00 PM	<b>Adjourn</b>
Friday, January 12 <sup>th</sup>	
8:00 AM	Biological Control ( <i>cont'd</i> )
9:00 AM	Pathology / Diseases
11:00 PM	<b>Closing Business</b> — Chris Adams, OPDMC Chair; Tobin Northfield, Chair-Elect
12:00 PM	<b>Adjourn</b>

## Sessions: Speaker Order and Titles

For speakers: Each talk is allocated 15 minutes total for the presentation and questions. We suggest speaking for 12-13 minutes and reserving the rest of your time for audience questions.

### Chemical Control/New Products

<b>Chisom Molokwu</b>	Effect of Adjuvants on Immature Life Stages of Spotted Wing <i>Drosophila</i> (SWD)
<b>Vaughn Walton</b>	Attract and Kill as a strategy to manage <i>Drosophila suzukii</i> fruit damage
<b>Melissa Thayer</b>	Chemical Control of Two-Spotted Spider Mite with a Novel Miticide
<b>Calliope Arkilic</b>	Evaluation of Pyrethroid Insecticides for Walnut Husk Fly Control
<b>Melissa Thayer</b>	Early Season Chemical Control of Scales in Walnuts

### Biology/Phenology

<b>Lisa Neven</b>	Calorimetry-Assisted Degree Day Modeling
<b>Cindy Kron</b>	Unknown Flatheaded Borer Pest Found in Pear Fruit
<b>Grace Douglas</b>	Results of a weed survey of pear orchards conducted in three Pacific Northwest growing regions (2022-2023)
<b>Christopher Adams</b>	Maximizing Information Yield from Single Trap Multiple Release Experimental Design Data; Estimating Dispersive Distance, Probability of Catch, and Trapping Area
<b>Yan Yan</b>	Dispersive distance of DayGlo powder marked <i>Euscelidius variegates</i> (Hemiptera: Cicadellidae) in Oregon sweet cherry orchards
<b>Anders Wolher</b>	Phenology of <i>Euscelidius variegates</i> Reared Under Controlled Conditions
<b>Kyoo Park</b>	Seasonal Distribution of <i>Drosophila suzukii</i> in Relation to Temperature
<b>Heather Andrews</b>	Predictors of cherry susceptibility to attack by <i>Drosophila suzukii</i>
<b>Natalie Lareau</b>	Filbertworm Model Redevelopment
<b>Betsey Miller</b>	Hidden losses: a look at filbertworm damage to hazelnuts throughout nut development
<b>Abby Dhone</b>	Assessment of the filbertworm phenology model with field sampling of immature stages
<b>Nik Wiman</b>	Beetle Mania: Prionus root borer in Oregon hazelnuts
<b>Samaneh Sakaki</b>	Damage characterization and monitoring of <i>Chrysobothris mali</i> Horn (Coleoptera: Buprestidae) in California walnuts
<b>Sudan Gyawaly</b>	Phenology and Feeding Damage of Brown Marmorated Stink Bug in Almond and Peach Orchards in California

### **Mating Disruption/SIR**

- Chuck Burks** Performance of Sterile Codling Moth in California Pear Orchards
- Melissa Tesche** Making Sure the Moths are Sterile: A Look Inside Canada's Codling Moth Facility
- Nathan Moses-Gonzales** Modular Rearing with X-ray Sterility to Accelerate the Adoption of the Sterile Insect Technique
- Houston Wilson** Development of Sterile Insect Technique for Navel Orangeworm in California Orchards
- Nathalie Baena Bejarano** Navel orangeworm (Lepidoptera: Pyralidae) responses to sex pheromone when pre-exposed to mating disruption for SIR applications
- Jean (Tzu-Chin) Liu** Development of a Marking System for Navel Orangeworm Mark-Release-Recapture Research in California Nut Crops
- Raman Bansal** Radiation induces complex and temporally attenuating transcriptomic shifts for DNA repair and cellular stress response in navel orangeworm

### **Thresholds/Monitoring**

- Mahesh Ghimire** Hemipteran Pest Abundance and its Relation to Crop Damage in Almonds
- Edwin Harris** Assessing the performance of a multimodal trap for the brown marmorated stink bug
- Asselin Kelley** Ambrosia Beetle Lure Comparison in Pear Orchards of Hood River
- Calliope Arkilic** Monitoring of Walnut Husk Fly through the use of a new Aggregation Pheromone

### **Biological Control**

- Jhalendra Rijal** Effects of Entomopathogenic Fungus and Nematodes in Walnut Husk Fly Control
- William Walker** Exploring usage of novel viruses to control the codling moth
- Robert Orpet** Sharing Earwigs for Inoculation Biocontrol in Apple and Pear
- Aldo Hanel** Towards an earwig-friendly IPM program in pome fruit: non-target and sublethal effects of pesticides on earwigs
- Rebecca Schmidt-Jeffris** Lacewing releases for aphid management in organic apples
- Daniel Hausler** Augmentative biocontrol and predator recruitment in tree fruit
- Erica Moretti** Non-target effects of orchard pesticides on *Stethorus* sp.
- David Haviland** Introducing UC's new resource for identifying Phytoseiid mites of California
- Rebecca Schmidt-Jeffris** Eat your vegetables: Plant resource use by predatory mites in orchards
- Bonnie Ohler** Predators in a pear tree: Winter predation of pear psylla

**Counihan Sean** Survey of ground dwelling spiders within managed pear orchards in Hood River

**Claire Donahoo** Nontarget Host Identification of the Samurai Wasp, a Biological Control Agent of Brown Marmorated Stink Bug

**Pathology/Diseases**

**Tobin Northfield** Optimizing X-disease management

**Abby Clarke** Getting Into (or out of) the Weeds of X-disease: Groundcover Management for Reducing the Spread

**Adrian Marshall** Cultivating a Cultural Control Complex to Coexist with X-disease

**Marco Pitino** Translating Symbiont Technology from Citrus to Cherry: A Novel Strategy for Combatting Phytoplasma

**Amiri Achour** Management of apple powdery mildew in organic and conventional orchards

**Madan Pandey** Sensitivity to postharvest fungicides of several *Penicillium* species causing blue mold of pome fruits in Pacific Northwest

**Gwen Hoheisel** Evaluation of a novel in-field applicator to apply postharvest fungicides on apples

**Arild Arifin** Rapid and specific detection of major quarantine postharvest pathogens of pome fruit