

Apple Crop Protection Research Review

Confluence Technology Center, Wenatchee

January 29, 2025

Host: WA Tree Fruit Research Commission (WTFRC)

Chair: Teah Smith (WTFRC Board Member)

Washington and Oregon Credits pending.

Time	Presenter	Title^	Status#	Year(s)
8:00		Registration		
8:15	Chair	Teah Smith: Welcome		
	Hanrahan	Meeting Etiquette & Housekeeping (<i>LIVE</i>)		
Project Reports				
		<i>Codling Moth Management</i>		
8:30	Northfield	Codling moth taskforce (<i>LIVE</i>)		
8:40	Walker	GE of Moth Viruses for Enhanced Insecticidal Efficacy	NCE/FINAL	21-23
8:50	Walker	Novel Control of Codling Moth with RNA Interference	NCE/CONT	22-24
9:00	Crowder	Assessing Effects of Orchard Management on CM Ecology	NCE/CONT	22-24
9:10	Curtiss	Crop Protection Product Efficacy Testing for CM-Laboratory	FINAL	23-24
9:25	Curtiss	Developing the Toolkit for CM Hotspot Management	CONT	24-26
9:35	Curtiss	Quantifying CM Capture, Lure Plume Reach, and Trap Area	FINAL	22-24
9:50	Nielsen	Codling moth resistance to virus overview (<i>LIVE</i>)		
10:10	Nielsen	Survey for Codling Moth Virus Resistance in WA (<i>out of cycle</i>)	CONT	24
Break 10:20 – 10:50				
		<i>Insect Management/MRL's</i>		
10:50	Schmidt	Pesticide Residues of WA Apples	CONT	23-25
11:00	Hoheisel	Eval and Optimization of Robotics + and VariMas 3 Sprayer	NCE/CONT	24
11:10	Schmidt-Jeffris	Best Practices for Releasing Lacewings in Apples	CONT	24-26
11:20	Schmidt-Jeffris	Whirligig Mite: A New Biocontrol Agent for Apples and Pears	CONT	24-26
		<i>Soil and Rhizosphere Biology/Refugia/Decay Management</i>		
11:30	Somera	Assessing Barriers & Benefits of AMF Colonization in Apple	NCE/CONT	22-24
11:40	Orpet	Assessing Refugia Plantings for Biocontrol Services	CONT	24-25
11:50	Amiri	Detect Sources of Patulin in Processed Apple Products	NCE/FINAL	21-23
		<i>Fireblight (FB)</i>		
12:00	Zhao	Comprehensive Monitoring/Mapping Antibiotics Resistance	NCE/FINAL	22-23
12:10	Doty	Phase 3 New Biocontrol Strains Against Fire Blight	NCE/CONT	23-24
12:20	Dupont	Functional Peptides as New Tools for Control of Fire Blight	FINAL	23-24
12:35	Santander	New Products for Prevention/Control of Shoot Trauma FB	FINAL	23-24
12:50	Dupont	New Org. Fireblight Products + Timings for Season Long Control	CONT	24-26
Adjourn @ 1:00pm				
Social hour 5-6:30 @ WSU Tree Fruit Extension Center (1100 N Western Ave, Wenatchee WA)				

^Titles: some titles have been abbreviated to fit into table, see project reports for full titles

#CONT = continuing project report (10 min), FINAL = final project report (15 min), NCE: no-cost-extension (10 min)

All reports are available for download approximately two weeks prior to the research review from www.treefruitresearch.org. The ZOOM link will be posted prior to the meeting on the website. Final reports will be permanently added to the searchable database (<https://treefruitresearch.org/advanced-search/>) within three months of the research review. Additional inquiries may be addressed to Mackenzie Perrault (Mackenziep@treefruitresearch.com).