

Northwest Pear Research Review (Hybrid Format)

Thursday, February 20, 2025

In Person: The Columbia Gorge Hotel, Hood River

Virtual: <https://us02web.zoom.us/j/83937421656>

Host: WA Tree Fruit Research Commission on Behalf of Fresh and Processed Pear Committees (FPC/PPC)

Pear Research Subcommittee Chair: Shawn Cox

WA or OR pesticide recertification credits pending for full attendance (1PM – 5:15PM)

Time	Presenter	Title^	Status*	Year(s)	Progress
12:30		Registration open			
1:00	Cox	Welcome			
1:10	Schmidt	Meeting etiquette & housekeeping			
Project Reports					
		<i>Pest Management</i>			
1:15	Schmidt-Jeffris	What Factors Impact Mite Outbreak in Pear?	NCE/FINAL	22-23	
1:25	Adams	Calibrating NE Action Thresholds with Lure-Baited Trap Catch	NCE/FINAL	22-24	
1:35	Orpet	Assessing and Supporting Effective Areawide Pear Pest Mgmt.	CONT	23-25	2 of 3
1:45	Curtiss	Optimization of Honeydew Washing Systems in Pear Orchards	FINAL	23-24	2 of 2
2:00	DuPont	On-Farm Evaluation of Pear Psylla and Natural Enemy Thresholds	CONT	24-26	1 of 3
2:10	Hanrahan	Orchard of the Future Trip to the Netherlands			
		<i>Disease Management</i>			
2:25	Acimovic	Control of Shoot Blight and Fire Blight Cankers on Pear	FINAL	23-24	2 of 2
2:40	Zhao	Screening Kasugamycin Resistance in Erwinia Amylovora on Pears	FINAL	24	1 of 1
		<i>Postharvest</i>			
2:55	Leisso	New CA Strategies to Extend 'Bartlett' Pear Storage	NCE/CONT	23-24	2 of 2
3:05	Leisso	Efficacy of Natamycin for Control of Mucor Rot in Pear Fruit	FINAL	24	1 of 1
Break 3:20-3:50					
3:50	Hanrahan	Industry Web Resources			
4:00	Kalcsits	Prep. U.S. Pome Fruit Prod. for Extreme Temps in a Chg. Climate			
4:10	Gottschalk	Germplasm Evaluation for Fruit Quality and Postharvest Traits	FINAL	22-24	3 of 3
4:25	Rudell	Ultra-Low O2 CA Strategies to Reduce d'Anjou Storage Disorders	CONT	22-24	2 of 3
		<i>Rootstocks & Genomics</i>			
4:35	Waite	Development of a Rapid-Cycle Breeding Tool for Pear	NCE/FINAL	21-23	
4:45	Waite	Development of Transgene-Free Gene Editing for Pears	FINAL	24	1 of 1
5:00	Evans	Pear Rootstock Breeding	FINAL	22-24	3 of 3
	Einhorn	Eval. & Prop. of Cold-Hardy Quince Rootstocks (written report only)	updated	21-23	
Social Hour 5:15-6:00 pm (In Person Only)					

^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)

^Altered reporting timeline for newly approved postharvest projects to allow scientists to collect storage data before reporting.

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).