

# Northwest Cherry and Stone Fruit Research Review

Yakima Valley College Conference Center, Room C

November 5, 2024

Hosts: WA Tree Fruit Research Commission (WTFRC) & Oregon Sweet Cherry Commission (OSCC)

Guests: California Cherry Board (CCB), Northwest Nursery Improvement Institute (NNII)

Chairs: Craig Harris (WTFRC), Ian Chandler (OSCC)

**Pesticide Credits: 3 Oregon and 4 Washington credits available**

Time	Presenter	Title <sup>^</sup>	Status*	Year(s)
8:30		Registration		
9:00	Chairs	Welcome		
	Hanrahan	Meeting Etiquette & Housekeeping ( <b>LIVE</b> )		
<b>Project Reports</b>				
		<b><i>Little Cherry Disease</i></b>		
9:15	Northfield	Overview of LCD activities + Taskforce updates ( <b>LIVE</b> )		
9:25	Harper	Understanding little cherry disease pathogenicity	NCE/FINAL	20-22
9:35	Harper	Studying the infection progression of LCD in young trees	NCE/FINAL	22-23
9:45	Galimba	Determining Sweet Cherry Rootstock Sensitivity to X-Disease	CONT	23-25
9:55	Nottingham	Developing a Leafhopper DD Spray Program for Cherry IPM	NCE/CONT	22-24
10:05	Adams	Dispersive distance of X-disease vector leafhoppers in cherry	FINAL	22-24
<b>Break 10:20 – 11:00</b>				
11:05	Galimba	Physiology-based identification of X-disease infected trees	NCE/CONT	22-24
11:15	Zhao	Cas12a-Based Rapid Method for Early Detection of X-Disease Phytoplasma	FINAL	23-24
11:30	Khot	Towards Identification of LCD linked volatile biomarkers	NCE/FINAL	22-23
11:40	Kohntopp	Real-Time Detection of LCD using Detector Canines ( <i>out of cycle</i> )	CONT	23-24
11:50	Harper	Evaluation of Simple, Cheap Tests for X-Disease in Bare Root Trees	FINAL	24
12:05	Pitino	Precision Agriculture: Innovating Cherry Disease Management with DPI	CONT	24-26
12:15	Pitino	Sustainable Cherry Protection with Symbiont	CONT	24-26
<b>Lunch Break 12:25 – 2:00</b>				
2:00	Schmidt	Resources for stakeholders ( <b>LIVE</b> )		
		<b><i>Spotted Winged Drosophila</i></b>		
2:10	Beers	Coordinating SWD and X disease management	NCE/FINAL	21-23
2:20	Adams	Ganapsis Brasiliensis for Biological Control of SWD	CONT	23-25
2:30	Adams	SWD in-orchard movement + overwintering dynamics	NCE/CONT	22-24
		<b><i>Powdery mildew/bacterial diseases/Food Safety</i></b>		
2:40	Grove	Etiology of Wood Dieback of PNW Cherries ( <i>out of cycle</i> )	NCE/FINAL	23
2:50	Zhao	Investigating Bacterial Canker Disease of Cherry in Young Orchards	CONT	24-26
3:00	Collum	Evaluation of UV-C for Management of Cherry Diseases and Pests	CONT	24-26
3:10	Murphy	Understanding Food Safety Risks During Post Harvest Cherry Production	CONT	24-26
<b>Afternoon Break 3:10 – 3:40</b>				
		<b><i>Horticulture/Nutrition/Breeding/Misc.</i></b>		
3:40	Torres	Improving grading methods to infer eating quality in sweet cherries ( <b>LIVE</b> )		
3:50	Schmidt	Pesticide residues on WA cherries	CONT	23-25
4:00	McCord	A Robust PNW sweet cherry breeding and genetics program	FINAL	22-24
4:15	Sallato	Nutrient management for high quality sweet cherries	NCE/FINAL	21-23
4:25	Sallato	Precision Nutrient Management for Sweet Cherry Orchards	CONT	23-25
4:35	Whiting	Targets and Tools for Post-Bloom Thinning	FINAL	23-24
4:50	Leisso	Sweet Cherry Cultivar-Specific Export Suitability	FINAL	23-24
<b>Social hour at Yakima Valley Vintners Teaching Winery 5:00-6:00 pm</b>				

<sup>^</sup>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](http://www.treefruitresearch.org). 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).