

Northwest Cherry and Stone Fruit Research Review

Yakima Valley College Conference Center, Room C

November 7, 2023

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: Pending (Oregon and Washington)

Time	Presenter	Title^	Status*	Year(s)
8:30		Registration		
9:00	Chairs	Welcome		
	Hanrahan	Meeting Etiquette & Housekeeping		
Project Reports				
		<i>Little Cherry Disease</i>		
9:20	Northfield	Overview of LCD activities + Taskforce updates		
9:35	Harper	Understanding little cherry disease pathogenicity	NCE/CONT	20-22
9:45	Johnson	Isolation and in vitro culturing of the X-disease pathogen	NCE/FINAL	21-22
9:55	Harper	Studying the infection progression of LCD in young trees	NCE/CONT	22-23
10:05	Thompson	Evaluating replant strategies for X-disease infected orchards	FINAL	21-23
10:20	Northfield	Identifying sources of X disease in orchards	NCE/FINAL	20-22
Break 10:30				
11:00	Northfield	X-disease vector ID and acquisition from low titer trees	NCE/FINAL	21-22
11:10	Nottingham	Developing a Leafhopper DD Spray Program for Cherry IPM	CONT	22-24
11:20	Adams	Dispersive distance of X-disease vector leafhoppers in cherry	CONT	22-24
11:30	Zhao	Cas12a-Based Rapid Method for Early Detection of X-Disease Phytoplasma	CONT	23-24
11:40	Khot	Towards Identification of LCD linked volatile biomarkers	NCE/CONT	22-23
Lunch Break 12:00				
1:30	Galimba	Determining Sweet Cherry Rootstock Sensitivity to X-Disease	CONT	23-25
1:40	Galimba	Physiology-based identification of X-disease infected trees	CONT	22-24
1:50	Kohntopp	Real-Time Detection of LCD using Detector Canines (<i>out of cycle</i>)	CONT	23-24
		<i>Spotted Winged Drosophila</i>		
2:00	Beers	Coordinating SWD and X disease management	NCE/CONT	21-23
2:10	Adams	Ganopsis Brasiliensis for Biological Control of SWD	CONT	23-25
2:20	Adams	SWD in-orchard movement + overwintering dynamics	CONT	22-24
Afternoon Break 2:30				
		<i>Horticulture/Breeding/Mildew (PM)/Misc.</i>		
2:50	Schmidt	Pesticide residues on WA cherries	CONT	23-25
3:00	Grove	Etiology of Wood Dieback of PNW Cherries (<i>out of cycle</i>)	NCE/CONT	23
3:15	McCord	A Robust PNW sweet cherry breeding and genetics program	CONT	22-24
3:25	Galimba	Sweet Cherry Bud Cold Hardiness Model	FINAL	22
3:40	Sallato	Nutrient management for high quality sweet cherries	NCE/CONT	21-23
3:50	Sallato	Precision Nutrient Management for Sweet Cherry Orchards	CONT	23-25
4:00	Whiting	Targets and Tools for Post-Bloom Thinning	CONT	23-24
4:10	Leisso	Sweet Cherry Cultivar-Specific Export Suitability	CONT	23-24
Social hour at Larson Gallery 4:30-5:45 pm				

^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 or 15 min)

All reports are available for download approximately two weeks prior to the research review from 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).