Technology Research Review
Yakima Valley College, Yakima (Hybrid)

December 3, 2026

Host: WA Tree Fruit Research Commission (WTFRC)
Chairs: Jeff Cleveringa & Keith Veselka (WTFRC)

Time	Presenter	Title^	Status*	Year(s)
8:30		Registration		
9:00		Welcome by Cleveringa & Veselka		
9:05	Hanrahan	Meeting Etiquette & Housekeeping & Resources **(LIVE)**		
9:15	Peters	CPAAS Updates **(LIVE)**		
Project Reports				
		CONTINUING REPORTS		
9:25	Bierer/Sallato	Insights into RDI on Apple Growth + Color Development	NCE/CONT	23-25
9:35	Khot	Smart Apple Orchard Tech Testbed and Demo Site	NCE/CONT	24-26
9:45	Sallato	New Strategies for Precision Plant Nutrient Application	CONT	25-27
9:55	Davidson	Int'l collab: Support harvest automation with open digital orchards	CONT	26-27
10:05	Vougioukas	Robotic Harvesting: Multi-Camera Fruit Detection Under Occlusion	CONT	26-27
10:15	Khot	AWN Smart Farms: LoRaWAN Platform for autom. Heat Stress Mgmt.	CONT	26-28
10:25	Guo	3D Orchard Mapping and Renewal Pruning Using a Drone & Robot	NCE/CONT	24-26
10:35	Wu	Training Vision Systems to Detect Little Cherry Disease in Orchards	NCE/CONT	25-26
10:45-11:15 Break				
11:15	Hanrahan	WTFRC Technology Initiatives **(LIVE)**		
11:25	Hoheisel	Development of UVC Sprayer Prototype for PM + Fireblight Mgt.	NCE/CONT	26
11:35	Peters	Online Irrigation University for Washington Tree Fruit Growers	NCE/CONT	26
11:45	Lu/Zhao	SCRI Update: AIMS for Apple Harvest and In-Field sorting **(LIVE)**		
		FINAL REPORTS		
11:55	Davidson	Integrated Sensing and Control for Intelligent Fruit Picking	NCE/FINAL	23-25
12:05	Allard	KISS Robotic Harvester: No-Conveyance, Direct Tree to Bin	FINAL	26
12:20	Mantle	Dutch and American Tech in Action: Sensor Driven Precision Spray	FINAL	25-26
12:35 Adjourn				

^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).