

# Technology Research Review

## Wenatchee Valley College Conference Center (Hybrid)

December 5, 2024

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

Time	Presenter	Title^	Status*	Year(s)
9:00		Registration		
9:15		Welcome by Cleveringa & Veselka		
	Hanrahan	Meeting Etiquette & Housekeeping <b>(LIVE)</b>		
<b>Project Reports</b>				
		<i>CONTINUING REPORTS</i>		
9:30	Bierer	Insight into RDI on Apple Growth and Color Development	CONT	23-25
9:40	Davidson	Integrated Sensing and Control for Intelligent Fruit Picking	CONT	23-25
9:50	Honaas	Granny- Image Based Analysis of Fruit Quality	CONT	24-25
10:00	Guo	3D Orchard Mapping and Renewal Pruning Using a Drone & Robot	CONT	24-26
10:10	Khot	Smart Apple Orchard Tech Testbed and Demo Site	CONT	24-26
<b>Break 10:20 – 10:50</b>				
10:50	Hanrahan	WTFRC Technology Initiatives <b>(LIVE)</b>		
		<i>FINAL REPORTS</i>		
11:00	Ferguson	Automated Apple Harvester	FINAL	22-24
11:15	Sallato	Soil+Plant Diagnostic Technol. for Smart Nutrient Management	FINAL	23-24
11:30	Luo	Low-Cost, Reliable Soft Arm for Automated Tree Fruit Operations	NCE/CONT	23-24
11:40	Bolduan	Robotics Ready Data Standard for WA Apples	FINAL	24
<b>Adjourn @ 12:00</b>				

^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). 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](mailto:Mackenziep@treefruitresearch.com)).