

# Technology Research Review

## Confluence Technology Center in Wenatchee (Hybrid)

November 30, 2023

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		
9:20	Schmidt	Meeting Etiquette & Housekeeping		
9:30	Davidson	Overview: Ag AID Institute		
<b>Project Reports</b>				
		<i>CONTINUING REPORTS</i>		
9:45	Ferguson	Automated Apple Harvester	CONT	22-24
9:55	Sallato	Soil+Plant Diagnostic Technol. for Smart Nutrient Management	CONT	23-24
10:05	Bierer	Insight into RDI on Apple Growth and Color Development	CONT	23-25
10:15	Davidson	Integrated Sensing and Control for Intelligent Fruit Picking	CONT	23-25
10:25	Luo	Low-cost, reliable soft arm for automated tree fruit operations	CONT	23-24
<b>Break 10:35-10:55 am</b>				
		<i>FINAL REPORTS</i>		
10:55	De Jong	The Next Fruit 4.0	FINAL	21-23
11:10	Milano	Apple Harvest End Effector and Apple Transport System	FINAL	22-23
11:25	Khot/Kalcsits	Modeling orchard effects on meteorol. measurements	NCE/FINAL	20-22
11:40	Davidson	Decision support tool for precision orchard management	NCE/FINAL	20-22
11:55	Mantle	Smart Orchards Year 4 + Connectivity	FINAL	23
12:10	Nolet	WTFRC Tree Fruit Technology Roadmap ( <i>out of cycle</i> )	FINAL	23
	Marom	Flying autonomous robots for fruit picking ( <i>out of cycle/no report</i> )	FINAL	23
<b>Adjourn @ 12:25</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 or 15 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)).