

Northwest Pear Research Review (Hybrid Format)

Thursday, February 15, 2024

In Person: Yakima Valley Community College Conference Center

Virtual: <https://us02web.zoom.us/j/83371989302>

Webinar ID: 833 7198 9302

Host: WA Tree Fruit Research Commission on Behalf of Fresh and Processed Pear Committees (FPC/PPC)

Pear Research Subcommittee Chair: Shawn Cox



1 WA or OR pesticide recertification credit pending

| Time | Presenter | Title^ | Status* | Year(s) | Progress |
|--|-----------------|---|-----------|---------|----------|
| 12:30 | | Registration open | | | |
| 1:00 | Cox | Welcome | | | |
| 1:10 | Schmidt | Meeting etiquette & housekeeping | | | |
| Project Reports | | | | | |
| | | Pest management | | | |
| 1:15 | Serrano | Identification of Volatiles Attractive to Winter Form Psylla | NCE/FINAL | 21-23 | |
| 1:25 | Schmidt-Jeffris | Tactics to Improve Natural Enemy Releases in Tree Fruit | NCE/FINAL | 22-23 | |
| 1:35 | Schmidt-Jeffris | What Factors Impact Mite Outbreak in Pear? | NCE/CONT | 22-23 | 2 of 2 |
| 1:45 | Adams | Calibrating NE Action Thresholds with Lure-Baited Trap Catch | FINAL | 22-24 | 3 of 3 |
| 2:00 | Adams | Biological Control of BMSB Using Trissolcus Japonicus | FINAL | 22-24 | 3 of 3 |
| 2:15 | Orpet | Assessing and Supporting Effective Areawide Pear Pest Mgmt. | CONT | 23-25 | 1 of 3 |
| 2:25 | Curtiss | Optimization of Honeydew Washing Systems in Pear Orchards | CONT | 23-24 | 1 of 2 |
| | | Disease management | | | |
| 2:35 | Acimovic | Program for Control of Shoot Blight and Fire Blight Cankers on Pear | CONT | 23-24 | 1 of 2 |
| Break 2:45-3:10 | | | | | |
| | | Postharvest | | | |
| 3:10 | Hanrahan | Industry web resources | | | |
| 3:20 | Murphy | CPS-funded pear food safety projects | | | |
| | Leisso | New CA Strategies to Extend 'Bartlett' Pear Storage | NCE/CONT | 23-24 | 1 of 2 |
| 3:30 | Gottschalk | Germplasm Evaluation for Fruit Quality and Postharvest Traits | CONT | 22-24 | 2 of 3 |
| 3:40 | Rudell* | Ultra-Low O2 CA Strategies to Reduce d'Anjou Storage Disorders | CONT | 22-24 | 1 of 3 |
| | | Rootstocks | | | |
| 3:50 | Waite | Development of a rapid-cycle breeding tool for pear | NCE/CONT | 21-23 | 3 of 3 |
| 4:00 | Waite | Develop a Transgene-Free Gene Editing System in European Pear | FINAL | 23 | 1 of 1 |
| 4:15 | Einhorn | Evaluation and Propagation of Cold-Hardy Quince Rootstocks | FINAL | 21-23 | 3 of 3 |
| 4:30 | Evans | Pear Rootstock Breeding | CONT | 22-24 | 2 of 3 |
| | | Technology | | | |
| 4:40 | DeJong | The Next Fruit 4.0 (WTFRC Technology Project) | FINAL | 21-23 | 3 of 3 |
| Social Hour 5:00-6:00 pm (in person only) | | | | | |

^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)

<Altered reporting timeline for newly approved postharvest projects to allow scientists to collect storage data before reporting.

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).