

Blueberry Field Day - July 20, 2022

North Willamette Research & Extension Center

15210 NE Miley Road, Aurora, Oregon; for more information contact 971-373-5912
or visit <http://extension.oregonstate.edu/NWREC/>



**Oregon State
University**

11:45 – 12:30 Pre-field day workshop: How to grade a honey bee colony for pollination strength; *hosted by Dr. Melathopoulos (Assistant Professor, OSU) with beekeeper Harry Vanderpool; meet at hives along gravel roadway (follow signs)*

In this workshop we will work through the components of a honey bee colony and options available to help you determine the overall workforce in the colonies you are renting

If you attend the workshop, we suggest you bring a lunch

Blueberry Field Day: Meet at the organic blueberry research plot (NW section of the farm; follow signs).
Come early to have time to pick up handouts!

1:00 pm Introduction: Hosted by *Amanda Davis and Patrick Jones, Sr. Faculty Research Assistants, OSU/NWREC*

1:05 pm *Blueberry Pollination Project Update - Hive assessments and colony placement*
Dr. Lisa DeVetter, Associate Professor, WSU; Jason Myer; Dr. Andony Melathopoulos, OSU; and Kayla Brouwer, graduate student, WSU

1:20 pm *Mitigating European Foulbrood (EFB) disease in honey bee colonies pollinating blueberries to enhance pollination*
Ramesh Sagili, Associate Professor-Apiculture, OSU; Mustafa Bozkus, graduate student, OSU; Carolyn Breece, Sr. Faculty Research Assistant, OSU

1:35 pm *Can humic acids improve production in mature organic northern highbush blueberry?*
Amanda Davis and Dr. Bernadine Strik, Professor Emeritus, OSU/NWREC

1:50 pm *Calcium application and its effect on yield and fruit quality*
Dr. David Bryla and Scott Orr, USDA-ARS, HCRU-Corvallis

2:05 pm **Walk/ride to Mini Blues plot**

2:15 pm *What we learned from pruning trials in 'Legacy' and 'Mini Blues'*
Amanda Davis and Bernadine Strik

2:30 pm *IR-4 pesticide update*
Dr. Dani Lightle, IR4 specialty crops pesticide registration research leader, OSU

2:35 pm *Benefits of pulsed drip irrigation in blueberry*
Jesse Carroll, graduate student, and Dr. David Bryla

2:50 pm **Short walk to Blueberry Cultivar/Selection Evaluation plot**

2:55 pm **REFRESHMENT BREAK** – *Fruit will be available for evaluation (Zak Wiegand, Faculty Research Assistant, Dept. Food Sci. & Tech., OSU; Dr. Claire Luby and Ted Mackey, USDA-ARS, HCRU, Patrick Jones, NWREC)*

3:20 pm *Comparing microbial load in blueberries harvested by hand and machine*
Dr. Wei Yang, Professor, OSU, and Dr. Jinru Chen, Professor, University of Georgia

- 3:30 *Pesticide use and resistance development for SWD*
Dr. Vaughn Walton and Dr. Serhan Mermer, OSU
- 3:50 *Parasitoid releases for SWD*
Dr. Jana Lee, Research Entomologist, HCRU-USDA
- 4:00 *Improving blueberry fruit quality through VacCAP*
Dr. Claire Luby, Dr. Nahla Bassil, NCGR-USDA, and Dr. Lisa DeVetter
- 4:15 pm Breeding blueberries for the PNW – an update of the USDA/ARS-OSU Cooperative Breeding Program –
Dr. Claire Luby, Todd Anderson, graduate student, Lily Hislop, Ted Mackey, Pat Jones
- 5:15 pm **ADJOURN**

*Accommodation requests related to a disability should be made by July 13, 2022 to Amanda Davis
(971)-801-0394, amanda.davis@oregonstate.edu*