
NORTHWEST CENTER FOR SMALL FRUITS RESEARCH

2016 ANNUAL CONFERENCE
RED LION HOTEL KENNEWICK - COLUMBIA CENTER
THURSDAY, DECEMBER 8

COMMITTEE MEETINGS (FOR COMMITTEE MEMBERS)

● 7:00-9:00 am 2hr

Coordinating & Liaison Committees Joint Meeting

Ballrooms II/III

Breakfast will be served for committee members

CONFERENCE SCHEDULE OF EVENTS

● 8:30 am **Conference Registration Opens** Lobby

● 9:30-10:30 am 60m **General Session** – Small Fruits Updates
Program Coordinator, WSU, UI, OSU, ARS, Liaison Committee Ballrooms IV/V

● 10:40-12:20 pm 1h 40m **5 Research Project Final Reports** – Michael Qian, Chair Ballrooms IV/V

● 12:30-2:00 pm 1h 30m **Lunch & Priority Setting** Lobby
Pick up box lunch and attend Priority Setting Sessions of your choice

◆ 12:30-1:45 pm 45m **Priority Setting Sessions I**

◆ **Raspberry, Blackberry & Specialty Crops** – Jana Lee, Chair Ballrooms IV/V

◆ **Wine/Juice Grape Viticulture, Table Grape Viticulture** – Geoff Hall, Chair Clearwaters A/B

◆ 1:45-2:00 pm 45m **Priority Setting Sessions II** Ballrooms IV/V

◆ **Blueberry, Cranberry & Strawberry** – Leighton Overson, Chair Clearwaters A/B

◆ **Wine** – Michael Qian, Chair

● 2:00-4:00 pm 2h **6 Research Project Final Reports** – Leighton Overson, Chair Ballrooms IV/V

● 4:00-4:15 pm 15m **Break**

● 4:15-4:45 pm 30m **Special Session - Research Grant Funding** Ballrooms IV/V

● 5:00-7:00 pm **Wine Tasting/Hors d'oeuvres/Poster Session** Ballrooms I/II/III

2016 NCSFR Conference – Reports & Poster Session

Research Reports First Session

10:40 – 11:00 Mahaffee, Walt

Systematic evaluation of sulfur use for management of grape powdery mildew

11:00 – 11:20 Shellie, Krista

Can altering irrigation frequency in deficit-irrigated wine grape mitigate yield reduction and retain beneficial, stress-induced changes in berry composition?

11:20 – 11:40 Tomasino, Elizabeth

Contamination of small fruits and wine by brown marmorated stink bug (BMSB)

11:40 – 12:00 Gerdeman, Beverly

Chemical control program for spotted wing drosophila in red raspberry without additional berry residues

12:00 – 12:20 Choi, Man-Yeon

Development of a bacteria expressing an inducer of RNAi as a biologically-based non-transgenic insecticide to control Spotted Wing Drosophila

Research Reports Second Session

2:00 – 2:20 Finn, Chad

Developing commercial blueberry cultivars adapted to the PNW and that may tolerate Blueberry shock virus and testing new selections and cultivars from other programs

2:20 – 2:40 Stockwell, Virginia

Diversity of *Pseudomonas syringae* and diagnosis and management of bacterial canker of blueberry

2:40 – 3:00 Martin, Bob

Discrimination between infectious and integrated viral sequences of Rubus yellow net virus in raspberry plants and the impact of each on disease development

3:00 – 3:20 Patten, Kim or Caruso, Frank

Fungal populations in PNW cranberries as it relates to fruit rot

3:20 – 3:40 Bassil, Nahla

Assessment of aphid resistance in black raspberry germplasm and development of trait-associated molecular markers for breeding improvement

3:40 – 4:00 Walton, Vaughn

Sustainable spotted wing drosophila cultural management practices in commercial blueberry fields

Poster Session

Bakalinsky, Alan

Evaluation of natural sulfite-producing wine yeast for making organic wine

Bondada, Bhaskar

Practical applications of stomatal conductance to efficient irrigation and water management in grapevine

Edwards, CG

Factors affecting wine spoilage by *Pediococcus* spp.

Edwards, CG

Use of fining techniques and alternative processing strategies to limit *Brettanomyces* infections in red wines

Jacoby, Pete

Precision sub-surface irrigation to regulate wine grape physiology

Osborne, James

Interactions between *Brettanomyces bruxellensis* and wine lactic acid bacteria: Impact on wine hydroxycinnamic acid content and volatile phenol production by *Brettanomyces*

Qian, Michael; Shellie, Krista

Regulated deficit irrigation on Malbec and Syrah grape and wine quality

Rayapati, Naidu; Martin, R.; Karasev, A.

Elucidate genetic diversity of grapevine leafroll-associated virus 3 for managing grapevine leafroll disease in PNW vineyards

Bryla, David; Sullivan, Dan; Strik, B.
Nitrogen-enriched custom compost for commercial blueberry production

Moore, Patrick; Hoashi-Erhardt, Wendy

Enhanced tools for improving root rot resistance in red raspberry

Peever, Tobin; Grunwald, Nik

Host specificity and gene flow of fungicide resistance alleles among *Botrytis cinerea* populations infecting small fruit in the US PNW

Strik, Bernadine

Developing nutrient management recommendations for organic blueberry production systems

Valenzuela, Luis; Bryla, David

Potential benefits of humic acids on yield and fruit quality in highbush blueberry

Zasada, Inga; DeVetter, Lisa; Weiland, Jerry; Walters, Tom; Benedict, Chris

Raspberry root removal: eliminating pre-plant soilborne pathogen inoculum to improve management

Yorgey, Brian

Quality Evaluation of Berry Selections and Varieties

Strik, Bernadine

Testing and Evaluation of Berry Crops for Commercial Production in the Pacific Northwest

Moore, Patrick

Small Fruit Breeding in the Pacific Northwest