

# 2017 Raspberry Research Review

WSU Mt Vernon



**9:15 Strawberry Plant Breeding Discussion**

*Strawberry growers and plant breeders are invited for a discussion surrounding the future of strawberry plant breeding and the WA Strawberry Commission.*

**10:00 Weed/Caneburning Discussion – Review of priorities/potential new projects**

- *Weed management – especially horsetail (3)*
- *Cane Management including suppression (3)*

Determining whether raspberry plants should be caneburned	Miller
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**10:30 Physiology Discussion - Review of priorities/potential new projects**

- *Alternative Management Systems – AY, reduce cost of production/lb. (2)*
- *Nutrient Management – Revise OSU specs, Consider: timing, varieties, appl. techniques (3)*
- *Irrigation management – application techniques including pulsing (3)*
- *Effect on BRIX by fungicide and fertility programs (3)*
- *Labor saving practices – ex. Pruning, AY, public/private technology partnerships (3)*

Application of Biodegradable Mulches in Tissue Culture Red Raspberry	DeVetter
Impact of Nitrogen on Nematode Parasitism of Red Raspberry	DeVetter/Zasada
Comparison of Alternate- and Every-Year Production in Summer-Bearing Red Raspberry	DeVetter
Raspberry trellising demonstration plot for development of automation technologies	Karkee/Davenport

**11:45 Lunch**

**12:30 Plant Breeding Discussion - Review of priorities/potential new projects**

- *Develop cultivars that are summer bearing, high yielding, winter hardy, machine-harvestable, disease resistant, virus resistant and have superior processed fruit quality (1)*
- *Season extension: improve viability of fresh marketing (3)*

Cooperative raspberry cultivar development	Finn
Red Raspberry Breeding	Moore
Red Raspberry Cultivar Development	Dossett
Regional on-farm Trials of Advanced Raspberry Selections	Peerbolt

**1:30 Entomology Discussion - Review of priorities/potential new projects**

- *Management options for control of the Spotted Wing Drosophila (1)*
- *Root weevils (2)*
- *Mite management (2)*
- *Management options for control of the Brown Marmorated Stink Bug (BMSB) (3)*

Survey for Egg Parasitoids of Brown Marmorated Stink Bug, <i>Halyomorpha halys</i>	Gerdeman
TASC - Caneberry Pesticide Degradation	Gerdeman/Joe DF

**2:30 Soil Health Discussion - Review of priorities/potential new projects**

- *Soil fumigation techniques and alternatives to control soil pathogens, nematodes, and weeds. (2)*
- *Understanding soil ecology and soil borne pathogens and their effects on plant health and crop yields. (2)*

Vapam cap, crop termination, and bed fumigation treatments to improve soil fumigation	Walters/Zasada
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**3:30 Virology Discussion - Review of priorities/potential new projects**

- Viruses/crumbly fruit, pollination (3)

Evaluation of Raspberry Bushy Dwarf Virus strains	Moore/Martin
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**4:00 Pathology Discussion - Review of priorities/potential new projects**

- Maximum Residue Limits (MRL) – residue decline curves, harmonization (1)
- Fruit rot including pre harvest, post harvest, and/or shelf life (1)
- Foliar & Cane diseases – i.e. spur blight, yellow rust, cane blight, powdery mildew (2)
- Soil fumigation techniques and alternatives to control soil pathogens, nematodes, and weeds. (2)

Management of Fungicide Resistance in Botrytis in WA Berries	Schreiber
Managing SWD in Red Raspberry with Reduced Insecticide Residues	Schreiber
Biology of <i>Botrytis</i> causing fruit rot of red raspberry and fungicide resistance	Peever
Development of novel disease management methods for fruit rots of raspberry	Stockwell

\_\_ WA Pesticide recertification credits are available for those participating in the entire program.

Deadline for responses to the 2018 WRRRC Request for Proposals is December 12th.

WRRRC and WBC invites all participants in the Research Reviews to a Thank You dinner at Skagit Valley Brewery at 5:30 pm

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