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# ***NORTHWEST CENTER FOR SMALL FRUITS RESEARCH***

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## Grape (Wine & Juice) Viticulture Research Priorities for 2018-2019 funding

Revised December 2016

1A)	Water management to optimize grape production and wine flavors.
B)	Incidence, impact, vectors and management of grape vine viruses.
C)	Nutrient management for optimizing plant health and wine quality.
D)	Biology and management of fungal pathogens.
E)	Yield modeling and estimation.
2A)	Development and evaluation of alternative/sustainable production systems.
B)	Grapevine hormonal response to cultural practices and fruit ripening.
C)	Biology and management of trunk diseases.
D)	Biology and management of insect pests.
E)	Grapevine physiological disorders that affect yield and quality.
3A)	Biology and management of insect pests specifically brown marmorated stink bug (BMSB).
B)	Climate change as it pertains to grape production.
C)	Evaluation of scions and Rootstocks for the PNW.
D)	Development of web based research data accumulation tool in order to provide variety and site suitability for grape and wine production in the PNW.
E)	Vine stresses such as cold hardiness, heat and drought stress.
F)	Spray technology.
G)	Development and evaluation of mechanization tools that reduce reliance on hand labor within the vineyard and winery (e.g. canopy management, pest management, crop management, sorting, MOG Removal).

### **Priority Setting Policy (April 2010)**

The Northwest Center for Small Fruits Research will accept three tiers of research priorities for each recognized and represented single commodity (e.g. blueberries) or commodity group (e.g. specialty crops). The first and second tier research priorities shall each be limited to five specific issues and/or problems in a bulleted format. "Packing" of multiple problems (including, but not limited to, "Diseases" and "Pests") within individual line items will not be accepted. Generic language for problems (e.g., "Diseases") will not be accepted. Unacceptable priorities, as noted above, will be removed from the list by the administrative office. The third tier research priorities shall not be limited by list length and "packing" of multiple subjects and/or problems within individual line items will be accepted.