
NORTHWEST CENTER FOR SMALL FRUITS RESEARCH

Wine Processing Research Priorities

for 2018-2019 funding

Revised December 2016

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| 1A) | Identification and measurement of wine components and their individual and combined impact on color, flavor, aroma and texture. |
| B) | Yeast nutrient status of PNW must and wines. |
| C) | Preventing sulfide and other reduction compounds. |
| D) | Interaction of native and inoculated yeast and bacteria – managing native and inoculated fermentations. |
| E) | Incidence and control of Brettanomyces, Pediococcus and Lactobacillus and other microbes. |
| 2A) | Managing stuck and sluggish fermentations. |
| B) | Preventing wine related off aromas resulting from vine stress. |
| C) | Effect of Botrytis and laccase on wine quality |
| D) | Methods of organic wine production. |
| E) | Environmental Taint (i.e. smoke, feed lot) |
| 3A) | Utilization of value added bi-products. |
| B) | Alternative methods to evaluate heat stability. |
| C) | Pre-fermentation fruit handling, e.g., cold soak, optical sorting. |
| D) | Alternative wine stabilization methods. |
| E) | Supporting research on the impact of viticultural practices on grape and wine quality. |
| F) | Processing technology e.g. high pressure filtration, alternate methods for wine sterilization. |
| G) | Alcohol reduction. |
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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.