



## Program Coordinator Report

OWRI was on the trade show floor recently at the Oregon Wine Symposium. As much as I enjoy the technical sessions and the specific topics that are addressed, I am most impressed by the intensity and earnestness of the conversations that take place outside of the lecture rooms. Networking, in our case the personal transference of research knowledge, is a vital component of outreach, and perhaps the best way to turn knowledge into action in the cellar, vineyard or tasting room. It is exciting and rewarding to witness, and another opportunity is just around corner.

Grape Day is OWRI's chance to showcase its effort to enhance the wine industry through science-based new knowledge generation. It provides a snapshot of all the current research activities that our faculty, students and support staff are engaged in on your behalf. One of last year's hot topics was smoke impact on fruit and wine quality. Perhaps the leading scientist in the US in this area is Dr. Tom Collins, wine chemist from Washington State University. A grower or wine maker may think they will never be affected by smoke, but this would be a foolish supposition. Why not be prepared with the best current knowledge about what it is and how to respond to it? It's an enormously complex problem.

Last year Dr. Neil McRoberts wetted our problem solving palates, in this case leafroll, by introducing Q-sorting as a statistical method to encourage groups to work together to solve a common problem. Dr. Monica Cooper, the University of California extension viticulturist in Napa Valley, will explain how she implemented a program to find collective solutions to chronic vineyard problems by fostering a collaborative spirit, and sharing observation and technical knowledge. This method could easily be applied to vineyard communities in Oregon.

It is exciting that the two OWRI-sponsored postdoctoral fellows, who are past the midpoint of their three year visits to OSU, will be presenting updates of their research. Dr. Landry Rossdeutsch is working with the viticulture team to understand the influence of scion and rootstock interaction, in particular how it is affected by nitrogen availability. Dr. Ludwig Ring and our enology team are studying the chemical nature of mouthfeel in red wines. We are fortunate to have these outstanding young scientists in our labs.

Finally, who wouldn't love a smart sprayer that evaluates the canopy in real time and adjusts volume accordingly. Dr. Jay Pscheidt will show us how, and then Dr. Bob Martin will provide an update on research from the OWRI Red Blotch Research Team.

Please join us for Grape Day on Wednesday, April 3 on the OSU campus, and network and learn from scientists and each other. This is where research rubber hits the road and you can be among the first to learn and adopt new research-driven practices. Find program and registration information is below.

Mark L. Chien

## Grape and Wine Economics Research

### Developing Economic and Financial Benchmarks for Mechanizing NW Vineyards

Specialty crop industries with high labor requirements are experiencing increased labor costs and a diminishing workforce, impacting the economic viability of individual businesses. These labor issues have many Northwest vineyard owners concerned about the future of their industry. Mechanization seems to be one solution captivating grower interest but without a great deal of economic and financial information, until now. [READ MORE...](#)

### New Risk Management Resources for Oregon Vineyards

Vineyard risk management will become increasingly valuable as the Oregon wine industry grows.

To identify the major risks for vineyards in the West Coast (California, Oregon, and Washington), Olen and Auld (2018) analyzed the causes and timing of crop loss for wine grapes for 1989-2017. [READ MORE...](#)

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## Upcoming Events

### WAVEx Meeting in the Gorge

March 6, Fort Dalles Readiness Center, The Dalles, OR

WSU and OSU scientists present information about crown gall research in WA, a national project to better predict and help growers deal with grape powdery mildew fungicide resistance, and using rootstocks to manage phylloxera. Enology sessions will cover winery sanitation and yeast and nutrition needs for successful fermentation. [WA and OR pesticide credits will be available](#). Register [online here](#). A press release with more information is available [here](#).

### 5th Annual Southern Oregon Grape Symposium

March 12, OSU SOREC, Central Point, OR

The Southern Oregon Grape Symposium is an all-day event featuring seminars in viticulture and enology. Speakers are from OSU, University of California, and Fresno State University. There will be a panel discussion on management of vineyard soils and plant nutrition, along with a tasting of experimental wines made from area research trials on mitigating smoke impact. Register [online here](#).

### OWRI Grape Day - Take advantage of early-bird savings!

[Grape Day](#) is on Wednesday, April 3 at the LaSells Stewart Conference Center on the OSU campus in Corvallis. Registration is required in advance. \$100 early-bird through March 3, 2019. General registration: \$150 March 4 - March 22, 2019. [Register online here](#). The 2019 Grape Day event includes lectures, posters, lunch and proceedings. ODA pesticide recertification credits will be available.

PROGRAM:

A Rising Tide Lifts All Boats: The Value of Cooperative Pest and Disease Management

Dr. Monica Cooper, Napa County Farm Advisor- Viticulture, UC Cooperative Extension, UC Davis

Efficacy of an Intelligent Sprayer on Grape Powdery Mildew  
Dr. Jay Pscheidt, Professor and Extension Plant Pathologist, OSU

The Chemical Nature of Red Wine Mouthfeel  
Dr. Ludwig Ring, Research Associate (Post Doc), OSU

Influence of Scion/Rootstock Combination on Vine Vigor under High Nitrogen Availability  
Dr. Landry Rossdeutsch, Research Associate (Post Doc), OSU

Smoke Impact in Wine  
Dr. Tom Collins, Assistant Professor, WSU Ste. Michelle Wine Science Center, Kirkland, WA

Red Blotch Disease Research Update  
Dr. Bob Martin, Research Plant Pathologist, USDA-ARS

## **SURVEY! We need your input on fungicide resistance!**

The [FRAME Network](#), a national research and extension team working on fungicide resistance in grape powdery mildew, is interested in hearing about how you approach powdery mildew management and fungicide selection. If you are a vineyard owner, manager, consultant, or someone who provides fungicide recommendations for vineyards in the United States, please take our survey [here](#)!

## **Education Offering**

### **OSU Viticulture Extension - Vineyard Management Online Class, Spring 2019**

Looking for an opportunity to increase your viticulture and winegrape production knowledge? This online, non-credit course is being taught by Dr. Patty Skinkis, OSU Viticulture Extension Specialist. The course covers key concepts in vineyard management and focuses on the importance of making informed management decisions in the vineyard by understanding impacts on grapevine physiology and economics. This is a great course for current industry professionals or those interested in entering the industry. Registration is required, and space is limited. Learn more about the class [here](#).

## **Upcoming Events**

**Pesticide Laws and Safety** | March 9, Chemeketa Community College March 9, 8 am-5 pm, Salem Campus, Salem, OR. This class reviews federal and state pesticide laws and the government agencies related to pesticide regulation and safe pesticide use. Register before February 26. Cost: \$205. Registration and program information [here](#).

**OWRI Enology Seminar** | April 16, 3:00 PM, OSU, Corvallis, OR

**OSU Spring Vineyard Mechanization Workshop** | May 17, Southern Oregon (site TBD)

**ASEV National Conference** | June 17 - 20, Napa, CA

Have a particular topic or question you would like to see addressed in the *Vine to Wine*? Please [contact us](#).

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**Oregon State University**  
**Oregon Wine**  
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