



**Oregon State University**  
**Oregon Wine**  
**Research Institute**

## ***Vine to Wine***

***Oregon Wine Research Institute***

***February 2018***

Welcome to our monthly *Vine to Wine* newsletter! **Oregon Wine Research Institute** faculty and staff work to provide research-based viticulture, enology and wine business information for the advancement of the Oregon wine industry, and this newsletter allows us to extend that information to you along with other news and events. We welcome industry questions, so contact **OWRI team members** with input, feedback or challenges you face in the vineyard, cellar or wine business.

### **Program Coordinator Update**

*Mark L. Chien*

The **Oregon Wine Research Institute** wants to be your local resource for viticulture, enology and wine economics research and extension information. We have various information portals that you can use to access us, including the OWRI website, the monthly *Vine to Wine* newsletter, the spring and fall technical newsletters, the upcoming Grape Day research conference, and various field and lab meetings, like the annual scouting workshop and viticulture and enology technical meetings. One source of information that may be overlooked by growers and wine makers is our seminar series. Our faculty use the seminars as an opportunity to invite outside expert speakers to address contemporary issues facing the Oregon wine industry, as well as a forum for faculty and graduate students to present their latest research findings. Last week, Dr. Terry Bates, senior research associate at the Cornell Lake Erie Research and Extension Center in western New York presented initial results from a USDA Specialty Crops Research Initiative (SCRI) project titled **Efficient Vineyard**, that investigates the use of sensor and robotic technology to monitor and adjust crop yields. While some of the work was done in native juice grapes varieties, it doesn't take much imagination to project the use of these new technologies into Oregon's vineyards. Click [here](#) to view Dr. Bates seminar. And on March 5, we will have another guest speaker from Cornell, **Dr. David Gadoury**, senior research associate and plant pathologist who will give a presentation titled, "Why Light Matters: Can we suppress plant pathogens by understanding their photobiology and ecology?" His research has focused on a novel practice of using UV-B light to control powdery mildew. In April and May respectively, OWRI team members Dr. Laurent Deluc, and Dr. Vaughn Walton and Clive Kaiser, will offer updates of their research programs. This summer we have invited Dr. Tom Collins, wine chemist at Washington State University to present his recent research on the effects of smoke taint on grapes and wines.

Seminars are offered either as live/recorded seminars on the OSU campus and via your computer through the **OSU LIVE** video portal, or as Adobe Connect webinars. In both cases, you can easily access them while they are being presented on your computer. Most seminars are recorded and quickly placed in the OWRI **seminar archive**, as well as the *Vine to Wine* and technical newsletters. These are excellent resource libraries full of science-based information that is almost entirely unique to Oregon.

Please join us for future seminars, and send us suggestions for topics and speakers. You can receive seminar announcements by joining the **OWRI mailing list** or going to our website.

## Research Focus

**Utilizing non-Saccharomyces yeast to minimize formation of volatile acidity during cold soakings.** Dr. James Osborne, OSU Associate Professor and Enology Extension Specialist, focuses on options winemakers have to prevent spoilage during cold soak.

## OWRI 2018 Grape Day

Tuesday, April 3 | 8:30 AM - 3:30 PM

[Click here to register](#)

Join us on campus at Oregon State University for our annual event highlighting research relevant to the Oregon wine industry. Members of the Oregon Wine Research Institute and guest speakers Neil McRoberts, UC Davis, and Jonathan Kaplan, Sacramento State University, will present. This year, our focus is on the business and economics from vineyard to wine sales. Registration includes lunch and a research abstract booklet. Questions about registration? [Contact us](#)

## Oregon Wine Industry Award



**Dr. Robert Martin**, courtesy faculty in the Department of Botany and Plant Pathology, and core member of the Oregon Wine Research Institute at Oregon State University's College of Agricultural Sciences and Research Leader, Research Plant Pathologist for USDA-ARS, Horticultural Crops Research Unit, and chair of the Grapevine Improvement Committee was chosen as the recipient of the **Outstanding Industry Leadership Award** for his exemplary commitment, leadership, and service to the industry. Martin has worked with viruses in small fruit crops since 1980 and has been a research leader for USDA-ARS' Horticultural Crops Research Unit since 2004, working with a team of 15 scientists and 70 staff while maintaining a research program in virology.

*(L-R) Kevin Chambers, Koosah Vineyards, presents Robert Martin, OSU USDA-ARS, with Industry Award. Photo: CWK photography*

## Recruiting Commercial Vineyards and Wineries for the OSU Statewide Crop Load Project 2018

This long-term, collaborative research project has been in place since 2012 and will be embarking on its 7th season of research in 2018. Are you interested in scientifically testing different crop levels in your Chardonnay or Pinot noir vineyard? Through this project, we look at the impact that yield (by way of cluster thinning) impacts vine health, fruit composition, and wine sensory perception. Since we have four growing seasons left in the Statewide Crop Load Project, we encourage you to join for a multi-year research experience. To apply as a collaborating vineyard/winery, please fill out an [application form](#) online before June 1, 2018. If you have questions about the project, contact Dr. Patty Skinkis, OSU Viticulture Extension Specialist ([patricia.skinkis@oregonstate.edu](mailto:patricia.skinkis@oregonstate.edu)).

## OWRI Seminar Series

**Why Light Matters: Can we suppress plant pathogens by understanding their photobiology and ecology?**

*Dr. David Gadoury, Senior Research Associate, Cornell University*

Monday, March 5 | 3:00PM PST

Location: [OSU Kidder Hall 202](#)

Pathogens evolved amidst natural cycles of light and darkness. Artificial lighting is a relatively new phenomenon in our world, and especially in theirs. Pathogens sense, interpret, and use light to direct their development. In the case of UV radiation, pathogens have evolved defense mechanisms that are regulated by visible light. We seek to exploit these evolved relationships as a novel and effective means to suppress plant diseases and promote plant health.

To watch this event live, visit [live.oregonstate.edu](http://live.oregonstate.edu)

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## **Online Vineyard Management Class is Back by Popular Demand, Spring 2018**

Looking for opportunities to increase your viticulture or 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. Registration is required, and space is limited. Learn more about the class [here](#), and [register online today](#).

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## **VitisGen2 Webinar on New European Varieties- March 15 at 2PM EST**

Dr. Bruce Reisch, Professor and Dr. Tim Martinson, Senior Extension Associate of Cornell University will be presenting a seminar entitled "Europe is Starting to Embrace New, Disease Resistant Varieties." With the concerns about pesticide resistance and the need for new, sustainable approaches to disease management in vineyards, the *VitisGen2* project is exploring new varieties that may revolutionize the way we conduct viticulture. Register online [here](#). More webinars will be offered through the *VitisGen2 Project* in 2018.

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## **Education & Training**

### **Pesticide Applicator OSU Online Course Series**

Six online training modules are available at any time for Oregon and Washington pesticide recertification credits, including IPM, managing weeds, safe pesticide handling, pesticide labels, and more. Learn more [here](#).

### **Online Viticulture and Enology Learning Modules**

Washington State University has online, self-directed courses in viticulture and enology topics ranging from vineyard design to insect management, wine production, sensory and more! Learn more [here](#).

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## **Resources**

### **2018 Pest Management Guide for Wine Grapes in Oregon**

This guide is developed by the OSU Viticulture Extension Team for use by grape growers in Oregon. It provides disease, insect, and weed control products based on grape phenology and appropriate timing of control. Information is also available for fungicide product efficacy. Access the guide [here](#).

### **Prevent herbicide drift from neighbors by sharing this guide!**

The OSU Extension publication, *Are Your Weed-control Products Damaging Nearby Vineyards?*, was developed to help the public understand the damaging effects that common

herbicides can have on grapevines. Share this document with your neighbors to help reduce herbicide drift damage to grapevines.

### **Guides for preparing your 2018 IPM program**

Consider the following resources when developing this year's disease management and spray programs:

- [Insect Management Handbook](#)
- [Weed Management Handbook](#)
- [Plant Disease Management Handbook](#)
- [OSU Fruit and Ornamental Disease Management Testing Program](#)- Results of pesticide efficacy trials conducted in Oregon for grape powdery mildew and Botrytis bunch rot are available from Dr. Jay Pscheidt, OSU Extension Plant Pathologist.
- [Pesticide Safety](#)
- [Effective Vineyard Spraying](#)

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## **Upcoming Events**

### **OSU Seminar: Glyphosate and Soil Microbial Communities: Fake News vs Facts**

February 28, 2018 | OSU campus, Corvallis, OR

### **Southern Oregon Grape Symposium**

March 13, 2018 | OSU Southern Oregon Research & Extension Center, Central Point, OR

### **Sparkling Symposium**

May 7, 2018 | Northwest Wine Studies Center, Salem, OR

### **ASEV National Conference**

June 18-21, 2018 | Monterey, CA

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

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*STAY CONNECTED*

