



## Vine to Wine Update

Oregon Wine Research Institute

Welcome to the *Vine to Wine Update*. This monthly e-newsletter is designed to inform you of news, information, and events from the **Oregon Wine Research Institute**, highlighting our research programs and providing relevant information about the OWRI and our researchers. We continue to provide research-based viticulture and enology information for the Oregon wine industry. As always, we welcome industry input, so please ask **OWRI team members** questions from the vineyard or the cellar.

### Communication and Outreach Update



I want to take a moment and thank our industry partners and let you know that I have accepted a position at the OSU College of Business, starting in January, 2017. I will miss working with the OWRI team and helping advance the research and objectives of the Institute. I will also miss collaborating with our industry partners. Although I will not be working directly with the industry at this time, I look forward to visiting Oregon wineries and tasting rooms as a consumer, and it has been a pleasure to serve the Institute and the industry over the last 5.5 years. I look forward to seeing you all in the vineyard and in your tasting rooms.

Cheers!

Danielle Gabriel  
Communication & Outreach Manager



Danielle Gabriel has been an essential part of the Oregon Wine Research Institute since she was hired in 2011. Although she did not come to the OWRI with vast knowledge about the Oregon wine industry, she is now one of the foremost experts on the wine industry and the research and Extension education that OWRI performs. During the interim period between Dr. Shay and myself, Danielle worked closely with Bill Boggess, the executive associate dean and interim director. For almost two years she was responsible for the day to day operations at OWRI, with little additional support. That was no small achievement, and without her as a mentor it would have taken me much longer to learn my job.

I arrived with a mandate to build a bridge between OSU and the wine community. Danielle's outreach efforts, including the *Vine to Wine*, stakeholder report, OWRI website redesign, and other communication outlets, have opened a door to the Oregon wine industry. The OWRI is losing a valuable member of its team. Danielle served the

industry and institute with patience, persistence and enthusiasm. Fortunately, she remains at OSU and will continue to drink and support Oregon wine.

Mark Chien  
OWRI Program Coordinator

## Worker Protection Standards Regulation Changes Take Effect in January 2017

*Dr. Patty Skinkis, Viticulture Extension Specialist & Associate Professor*



Effective January 2, 2017, all farms, including vineyards, will require that their agricultural workers receive annual training, have easy access to information about all pesticides used on the farm, and receive necessary safety information while working around pesticides. The **Worker Protection Standard (WPS)**, which is administered by the Environmental Protection Agency (EPA), was revised in 2015 to enhance the protections of farm workers and pesticide applicators from the risks associated with pesticides. It now requires more frequent training of agricultural workers and makes pesticide use recordkeeping a federal directive. See the employer **checklist** for the requirements.

The revised regulations require that all farms, where agricultural plants are produced, must provide annual training of employees who work in and around pesticide application areas. This includes full, part-time or temporary employees, and it applies to areas even after pesticides are applied. Specifically, these rules apply to areas where products with "Agricultural Use Requirement" on the label are applied, which includes nearly all pesticides whether organic or not, see an example **here**. To determine the need and type of training to provide, see this **decision guide**.

It is important that you are aware of these changes, especially since it enables you as an employer to take steps in protecting workers from physical harm associated with pesticide use. If you want to do your own training of workers in-house, this will require that you have a qualified trainer which is defined as **one** of the following: 1) the trainer is an employee with a current ODA pesticide applicator licensed, 2) the employee completed an 8-hour **Train the Trainer Course**, or 3) the trainer is a third party certified trainer. Because any paid worker coming onto the farm needs to have this training **BEFORE** they begin work, being trained in-house may be a more convenient option for some. A number of **Train the Trainer Courses** are being offered by Oregon State University and may be a quicker route to being certified to train if none of your employees are ODA licensed pesticide applicators. Also, training must be done with approved WPS training materials, which are available in English and Spanish **online**.

All resources for the WPS regulations and training are available online through the **Pesticide Educational Resource Collaborative**, including the full **"How to Comply"** guide. Also refer to the **National Pesticide Information Center** for more information about WPS and to access further resources on pesticides, their use, and training. Please share these important updates with your colleagues and neighbors in the winegrape community.

## Grapevine Red Blotch Update

Grapevine red blotch is a growing concern for growers. Below are some resources for growers to assist with identification, scouting and symptom recognition. In addition, Bob Martin, Plant Virologist; USDA-ARS, is researching when Grapevine red blotch virus is spreads in the vineyard during the growing season. This work is being done in two vineyards in southern Oregon and one vineyard in the Willamette Valley. Trap plants are placed in each vineyard for a period one month then brought back to the lab with new plants rotated into the vineyard each month from April to October. All plants are then being tested for the virus this fall and again next summer. The entire process will be repeated in 2017. Funding from the California Department of Food and Agriculture and USDA-ARS.

In addition, Vaughn Walton is collaborating with a team of researchers on an Oregon Wine Board funded project to track insect vectors and virus progression in Oregon vineyards. The team is researching the extent of Red Blotch throughout Oregon. In addition, Extension information on the impact of the virus, management techniques for growers and insect vectors is being developed. In 2016, the team identified three potential vector candidates found in vineyards, and they conducted transmission biology experiments on two previously untested vector species. They are continuing this research in controlled greenhouse conditions at Oregon State University's Corvallis campus.

While these resources are being developed, you may refer to the resources below for more information about the disease.

### Grapevine Red Blotch Information and Resources

[Pacific Northwest Disease Management Handbook](#)- Updated information on Red Blotch disease and additional resources

[Grapevine Red Blotch Vector Update Website](#) - October 2016  
UC-Davis Research Team working on Three-Cornered Alfalfa Hopper

[Integrative Studies of Vector-Related Virus Epidemiology: Red Blotch Situation in Oregon Webinar](#) - February 2016  
Vaughn Walton, Horticultural Entomologist, Oregon State University Department of Horticulture, OWRI

[Grapevine Red Blotch - Status of Vector Research Webinar](#) - February 2016  
Brian Bahder, post-doctoral researcher, UC-Davis Dept of Entomology & Nematology

[Grapevine Red Blotch - What You Need to Know Webinar](#)  
IPMeAcademy - Presentations on the history, detection, transmission of Grapevine red blotch virus and clean plant sources

[The Oregon Wine Research Institute Website](#) - A summary of Red Blotch and key information about the disease

## 2016 OWRI Video Newsletter

The 2016 OWRI Video Newsletter is now available. This newsletter contains a recap of team member's activities throughout the year, as well as a recap of our outreach activities. To watch it, click [here](#).

## Continuing Education/Educational Opportunities

### **Growing Farms: Successful Whole Farm Management**

This is an online self-paced course for those interested in starting their own small farm business or are within the first five years of establishing a farm business. It also has components that are helpful to those who are interested in changing their farm business plan. Although content is not specific to vineyard establishment, it covers the basic information needed in establishing a vineyard business. To learn more about the program and to register, see the OSU Professional and Continuing Education (PACE) [website](#).

### **Pesticide Applicator's Course Series**

This is a series of six online courses that can be taken in sequence or a la carte. This is an excellent way to get training for yourself or your employees on important topics related to pesticide use and application. They are available at any time and qualify for Oregon Department of Agriculture (ODA) pesticide recertification credits. With new changes to the Worker Protection Standards (WPS), you may want to prepare yourself with some basic pesticide handling and safety information provided in these courses. To learn more about the courses offered, see the OSU Professional and Continuing Education (PACE) [website](#).

### **Pest & Degree Day Models Seminar Series**

Learn how to use the website, USPest.org, for obtaining pest, disease, and degree day model information that may be helpful in vineyard management. The series is presented by Dr. Len Coop of the Integrated Plant Protection Center at OSU. Each short seminar provides active examples of how to use different components of the website. While the three seminars do not specifically focus only on vineyards, you can find information on the website that is useful for vineyards, including location-based disease models for Botrytis and Grape Powdery Mildew (Gubler Thomas Model), and pest specific models for Spotted Wing Drosophila (SWD), Brown Marmorated Stink Bug (BMSB), and European Grapevine Moth.

Using the My Pest Page:

[https://media.oregonstate.edu/media/t/0\\_wq0bzkxx](https://media.oregonstate.edu/media/t/0_wq0bzkxx)

Making Degree Day Maps:

[https://media.oregonstate.edu/media/t/0\\_mw8l60oj](https://media.oregonstate.edu/media/t/0_mw8l60oj)

Accessing Pest & Degree Day Models:

[https://media.oregonstate.edu/media/t/0\\_pzlvgsol](https://media.oregonstate.edu/media/t/0_pzlvgsol)

### **Learning the Basics of Viticulture and Enology**

Are you or your employees in need of knowledge about grapevine growth, wine microbiology, or the basics of vineyard or winery production? If so, you may want to

consider taking some online, self-directed course modules this winter. Washington State University has a number of courses in viticulture and enology that are available on topics ranging from vineyard design to insect management, wine production, sensory and more! To learn more about the various modules available, click [here](#).

## Save the Date! 2017 OWRI Grape Day- Thursday, April 6

The Oregon Wine Research Institute is pleased to announce our speaker lineup for Grape Day, on Thursday, April 6. Scientists will discuss the biology and management of trunk disease, grapevine viruses and fungicide resistance. José Ramón Úrbez-Torres, Research Scientist, Agriculture and Agri-Food Canada will present his world-renowned research on trunk disease and Dr. Anita Oberholster, Cooperative Extension Specialist in Enology, UC Davis, will talk about her current Red Blotch research. In addition to our two guest speakers, OWRI scientists will be presenting. Vaughn Walton, Extension Entomologist, OSU will discuss his current research on Red Blotch and associated pests. Laurent Deluc, Associate Professor, OSU will be discussing genetic markers on Grapevine Leafroll Associated Virus, and Brent Warneke, Department of Botany and Plant Pathology, OSU- will provide an update on fungicide resistance.

Registration and more will be available soon!

## News from the Oregon Wine Board

### Register Now for the 2017 Oregon Wine Symposium

Register now for the [2017 Oregon Wine Symposium](#), Feb. 21-22 at the Oregon Convention Center in Portland. The Symposium comprises two full days of industry thought leaders and experts covering the most relevant topics in viticulture, enology, and wine business plus the Northwest's largest wine industry trade show, with more than 170 exhibitors.

The Symposium is a must-attend event for wine industry professionals, delivering cutting-edge technical and business intelligence trends across all aspects of the wine business. All winery and vineyard owners, vineyard managers, winemakers, marketing and sales managers, and winery staff should [register today](#) to take advantage of the lowest Symposium ticket rates!

### Submit Your Application for the 2017 Experimental Wine Tasting

The experimental wine program is back for the 2017 Oregon Wine Symposium. [Click here](#) to submit an application or for more information about the program. Applications are due by Jan. 6. For questions, contact [Carrie Hardison](#).

## Save the Date! 2017 Washington Association of Wine Grape Growers Convention: February 7, 8 and 9

The WAWGG Convention is the premier educational and networking opportunity for the Washington and Eastern Oregon grape and wine industry with sessions for growers,

vintners, viticulturists, enologists, tasting room staff, marketers, and more! This three-day event features a 200-booth trade show, a poster session showcasing the latest industry research, educational sessions, an Honors Reception recognizing industry leaders and legends, and networking opportunities.

For more information, just click below:

- [Trade Show](#)
- [Sponsorships & Advertising](#)
- [Call for Posters](#)
- [Location](#)
- [Hotels](#)

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## OSU Extension Unified Wine Grape and Fruit Day Course

The OSU Extension Service and the Oregon Wine Research Institute are hosting an outreach day on January 11, 2017 at [Blue Mountain Community College](#). This event will feature a morning session discussing wine grapes and an afternoon session covering fruit production. We are excited to have out of state presenters coming from as far away as California. For more information, click [here](#), or contact Clive Kaiser below.

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## Become a member of the American Society for Enology and Viticulture (ASEV)

ASEV members are among the most informed and up-to-date professionals in the grape and wine industry. Members have access to the latest science and research with the peer-reviewed [American Journal of Enology and Viticulture \(AJEV\)](#) and the new publication, [Catalyst: Discovery into Practice](#).

ASEV offers individual membership and industrial affiliation. Click below for more information:

- [Individual Membership \(Professional, Student, and Emeritus\)](#)
- [Industrial Affiliate \(Company\)](#)

Interested? [Click here](#) to join today if you are not already a member.

And if you are already a member, we encourage you to share with your colleagues about the benefits you receive and how they, too, can have the same.

## Southern Oregon Research and Extension Center Hiring a Faculty Research Assistant

The Southern Oregon Research & Extension Center (SOREC) invites applications for a full-time (1.00 FTE), 12-month, fixed-term Faculty Research Assistant position. Reappointment is at the discretion of the Director. This position is located in Central Point, OR.

The purpose of this position is to assist the research viticulturalist in conducting research in the area of commercial horticulture. The focus of this work is on improving vineyard management and practices that have an impact in commercial vineyards and wines being produced in Southern Oregon. Travel is required across Jackson, Josephine, and Douglas counties to research sites and off-site locations for project meetings with growers or vineyard managers.

For complete position details and to apply visit:

<http://jobs.oregonstate.edu/postings/34662>

Have a particular topic or question you would like to see addressed in the *Vine to Wine*? Let us know.

Email us at: [owri@oregonstate.edu](mailto:owri@oregonstate.edu)



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