



## 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.

### OWRI Extension Faculty Receive Awards

Steve Castagnoli, Extension Horticulturist, OSU Extension Hood River County (center), received the Hoecker Experienced Faculty Award. He was recognized for his superior and distinguished achievement as an OSU Extension faculty member, including his significant contribution to airblast sprayer optimization for tree fruit and winegrape growers which led to increased efficacy of spray operations and protection of agricultural workers.



**From Left:** Scott Reed, Vice Provost-University Outreach & Engagement; Lindsey Shirley, Associate Provost-University Outreach & Engagement; Steve Castagnoli, Extension Horticulturist, OSU Extension Hood River County; Dale & Alice Hoecker, Hoecker Extension Innovative and Replication Grants Program.

Patty Skinkis, Viticulture Extension Specialist, OSU (center), received the Early Career Service Award from Epsilon Sigma Phi (ESP) which pays the highest chapter tribute to Extension professionals who have consistently exhibited leadership and excellence in Extension program planning, delivery, evaluation, program support and/or administration. Specifically,

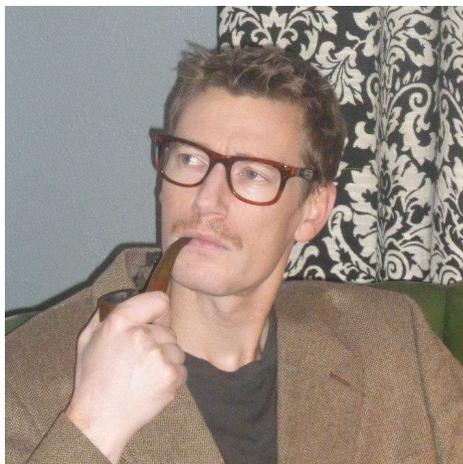
she was honored for her work in developing the Statewide Crop Load Project, a research initiative that innovatively engages industry in research to tackle a challenging production issue.



**From Left:** Scott Reed, Vice Provost-University Outreach & Engagement; Dr. Patty Skinkis, Viticulture Extension Specialist; Lindsey Shirley, University Outreach Engagement Associate Provost

Congratulations!

## Dr. James Osborne Celebrates 10 Years of Research and Extension at Oregon State University



Dr. James Osborne, Associate Professor, Food Science and Technology, is celebrating 10 years of research and Extension at OSU. His research focuses on the impact of wine microorganisms such as lactic acid bacteria, *Brettanomyces*, and *non-Saccharomyces* yeast on wine quality. As the statewide Enology Extension Specialist, James collaborates with industry members and develops workshops, publications and education materials to serve the wine industry. Originally from New Zealand, he completed his master's degree at Massey University and received his Ph.D from Washington State University in 2005. He started at Oregon State University in September of 2006 after

working in New Zealand at the University of Auckland and Delegat's Winery. To learn more about James' research, click [here](#).

## Grapevine Red Blotch Update

Grapevine Red Blotch disease 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 the spread of grapevine red blotch in vineyards 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 one month period then brought back to the lab with new plants rotated into the vineyard each month from April to October. All plants are tested for the virus in the fall and again next summer. The team will repeat the entire process in 2017. The funding for this research is 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 in development. 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

# OWRI Website Redesign

We are delighted to announce the redesign of our website at [owri.oregonstate.edu](http://owri.oregonstate.edu).

Our goal for the redesign is to provide information about our research, Extension and outreach in an easier to use, and mobile friendly way. The new website provides better access to useful Extension documents, our seminars and Technical Newsletter. It also contains information for current and prospective students.



We hope you find the new website fresh and modern; we worked hard to make sure it contains valuable information to assist you with your grape growing and winemaking needs. When you are exploring the new website, please take into consideration the questions below, and email us with your comments.

1. How likely are you to recommend the OWRI website to your colleagues?

Very likely

Likely

Somewhat Likely

Not Likely

If not likely, could you explain why?

2. How easy is it to navigate the website and find the information that you need?

Very easy

Easy

Somewhat Easy

Not Easy - If not easy, could you explain why?

3. What information or content would you like included on the website that is not there currently?

For any additional questions, suggestions, feedback or comments, please e-mail us at [owri@oregonstate.edu](mailto:owri@oregonstate.edu).

Thank You!

The OWRI Team

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## **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 WPS 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 protection 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. For information about these changes, see the **National Pesticide Information Center** website. A brief **comparison chart** outlines the 2015 revision requirements from the prior standards. If you have not heard of WPS, be sure to learn more **here**. The Oregon Department of Agriculture (ODA) also notified license-holders about these important changes in their **Fall 2016 Pesticide Bulletin** released in October. It is important to note that these standards are to be followed by all farms, large and small, and not just for those farms where staff ODA licensing is required.

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

The Southern Oregon Research & Extension Center (SOREC) invites applications for a full-time (1.0 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>

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## **From the Archives**

Now is the time to evaluate your pest management program and plan for 2017. Below are some useful articles and documents that can help in development of disease programs,

with emphasis on avoiding fungicide resistance:

Gary Grove, Professor of Plant Pathology, WSU and Jay Pscheidt, Professor of Plant Pathology, OSU wrote a piece on Fungicide Resistance Management in the [Field Guide for Integrated Pest Management in Pacific Northwest Vineyards](#).

Jay Pscheidt [gave a seminar in 2015](#) and wrote a piece entitled: "Fungal Sex Could Resist Your Advances: Fungicide Resistance Management Can be Complicated - Don't be Tricked," found in the [September 2010 OSU Vineyard Notes](#).

### **2016 Pest Management Guide for Wine Grapes**

This publication is a decision making tool for the winegrape industry. It contains information on the management of insect, disease and weed pests, and is updated annually by Extension experts at Oregon State University and other authors. Revised in March 2016.

Available online here: <https://catalog.extension.oregonstate.edu/em8413>

### **Fungicide Efficacy Reports**

Dr. Jay Pscheidt publishes the results of his fungicide efficacy trials online each year. There is a wealth of information available. Updates based on the 2016 research year won't be up for a couple more months, but click [here](#) to go to the webpage and read past reports.

**Pest Management Handbooks** - 2016 These handbooks are developed for use by commercial producers Oregon, Washington, and Idaho. They provide information on insect pests, diseases, and weeds of many crops, including vineyards. All are available online through the Oregon State University Extension Service.

#### **Pacific Northwest Plant Disease Management Handbook**

A reference guide for control and management tactics for more important plant diseases in the Pacific Northwest. The specific cultural, biological, and chemical recommendations are intended to manage a specific plant disease but may not always be appropriate under all production circumstances. The synthesis of a specific management recommendation should be done by a qualified individual. Revised June 2016.

Available online here: <http://pnwhandbooks.org/plantdisease>

#### **Pacific Northwest Weed Management Handbook**

A comprehensive guide for weed management for the region. It is authored by Extension specialists from throughout the Pacific Northwest, and provides information on weed management strategies, herbicide lists, herbicide resistance, and more.

Revised in June 2016. Available online here: <http://pnwhandbooks.org/weed/>

#### **Pacific Northwest Insect Management Handbook**

Information for crops in the Pacific Northwest. A tool for making decisions regarding the control and management of important insect pests. For grape pest information, click [here](#). Grape section authors include P. Skinkis, V. Walton, J. DeFrancesco, B. Edmunds, and N. Bell. Commercial chemical control recommendations are to be used only by licensed pesticide applicators.

Available online here: <http://pnwhandbooks.org/insect>

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**Dr. Patty Skinkis, OSU and Dr. Nick Dokoozlian, E & J Gallo Winery**

## Present to Napa Growers on Yields and Wine Quality

The issue of "the lower yield the better" as a universal rule has been pretty well debunked by scientists, but it hasn't been accepted by all winery marketing personnel (and some winemakers) who insist that lower yields equal better quality. Further proof that this belief isn't necessarily true was outlined in a seminar about finding the perfect balance at the Napa Valley Grapegrowers' annual Rootstock conference held today at Napa Valley Exposition Fairgrounds. The talk, "*The Metaphysical Relationship Between Crop Load and Wine Quality*," did challenge some cherished beliefs, however, including the superiority of vertical shoot positioning as well as minimal yields. The two speakers were Dr. Nick Dokoozlian of E. & J. Gallo Winery and Dr. Patricia Skinkis, viticulture extension specialist and associate professor at Oregon State University. The session was moderated by Caleb Mosley, senior viticulturist at Michael Wolf Vineyard Services.

Read the full article [here](#). Copyright © Wines & Vines

## 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:

<https://pace.oregonstate.edu/catalog/growing-farms-successful-whole-farm-management>

### 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:

<https://pace.oregonstate.edu/catalog/pesticide-applicator-course-series>

### Pest & Degree Day Models Seminar Series

Learn how to use the website, [USPest.org](http://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\\_pzlvgs01](https://media.oregonstate.edu/media/t/0_pzlvgs01)

### **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 visit:

<https://ecommerce.cahnrs.wsu.edu/ViticultureAndEnology/shop/>

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## **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. Dr. 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. Dr. Vaughn Walton, Extension Entomologist, OSU will discuss his current research on Red Blotch and associated pests. Dr. 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 information will be available soon!

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## **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](#)

## 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 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](#).

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

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STAY CONNECTED

