



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 tasting room.

### **Program Coordinator Report**

In 2014 I visited a highly respected winery in the Willamette Valley with Vaughn Walton and Dr. Claudio Ioriatti, a scientist from the Edmund Mach Foundation in Trento, Italy, who has collaborated with Vaughn on Spotted Wing Drosophila (SWD) research. It seems like a very long time since Oregon experienced a rainy harvest, but in 2013 rains caused quite a lot of fruit rot disease in grapes and SWD was almost certainly a vector for bacteria and fungal pathogens between berries and clusters. The owner of the winery said they had triaged upwards of 30 percent of their Pinot noir crop, which would have resulted in the loss of many thousands of dollars of wine revenue.

Research at OWRI can have an immediate impact in the vineyard or cellar, or help to manage a problem that may arise in the future. Our scientists work with growers and wine makers, and other crops, to anticipate these challenges. SWD, brown marmorated stink bug, or the next invasive pest may not be a problem today, but that can change very suddenly, and we will have knowledge and tools to confront these pests.

Vaughn and his team are working on innovative ways to manage SWD and its unique serrated ovipositor that makes it such a threat to berries and grapes. Rainy harvests seem like a distant memory now but it's sure to happen again, and when it does, we hope that growers will have additional tools to mitigate the effects of SWD in their vineyards. Now if they can only find a way to rid vineyards and wineries of yellow jackets. Please read Vaughn's article about SWD management and stay tuned for his seminar in the fall term.

Mark L. Chien

### **Research Focus**

The **Spotted wing drosophila** (SWD), is a global fruit pest. Current research on SWD from Vaughn Walton, professor and horticultural entomologist at Oregon State University, and colleagues can be found [here](#).

*Correction: in the August article, "Resistance is Futile? Strobilurin resistance presence and persistence", misidentified the funding source. The research funding was provided by the Oregon Wine Board, American Vineyard Foundation, and Washington State Wine Commission. [Revised article](#)*

### **Faculty Focus**



Michael Qian, flavor and aroma chemist with the OSU Food Science and Technology department, received the 2018 **Award for Distinguished Service to the Division of Agricultural and Food Chemistry** from the American Chemical Society. The award recognizes Michael's frequent presentations at AGFD symposia and service in Division leadership positions, including Division Chair.

For more information on one of Michael's projects investigating the off-flavor associated with stressed vines, view his [YouTube research video](#).

## Student Focus



Two OSU recipients of the [Oregon Wine Brotherhood Scholarship](#) attended the annual Barrel Tasting event on September 9. The scholarship program awards funds to graduate and undergraduate students who are pursuing degrees in wine-focused areas of study. Congratulations to all student awardees!

## OWRI Seminar Series

Clive Kaiser, professor and Extension horticulturist at OSU, will present, "***Water Reduction in Wine Grapes Using HydroShield, a Novel Plant Coating***" on October 16, 2018 from 12 to 1:00 p.m. in Kidder Hall. Dr. Kaiser will discuss the development of HydroShield. [Learn more](#)

## Scouting Vineyards for Trunk Disease in Fall



Symptoms of [Esca](#), a trunk disease, are often observed during the late summer/early fall. Infected vineyards may have more apparent symptoms this fall due to the dry seasonal conditions throughout summer. Check out this [visual symptom key](#) for signs commonly associated with Esca.

## Education

**Finding Your Career Path in the Oregon Wine Industry-** There are many educational and training opportunities in Oregon for those who wish to enter the wine industry. Learn more about those opportunities [here](#).

## Vole Damage in Vineyards



A number of reports of high vole populations have led to damage in some Willamette Valley vineyards this season. Voles eat vegetation and typically feed on roots or the base of roots. Learn more about how to prevent voles, scout for damage, and what can be done to repair damaged vines by clicking [here](#).

## Resources from OSU Extension

**Rainfall- How much and where?** With harvest season here, many of us are worried about the next rain and drying down grapes after rain events. Check out the [CoCoRaHS website](#) for an interactive map with precipitation reporting. Maps are updated daily. You may also consider joining the network to report rain in your area.

**PNW Insect Handbook:** Populations of yellow jackets have been high across the PNW/West Coast due to lack of water and other food sources. Information on how to [deal with yellow jackets](#) can be found in this publication.

**Bunch Rots in the Pacific Northwest:** This [article](#) provides a summary of the various rots that may occur late season and ways to prevent and manage these rots in the vineyard and winery.

**Botrytis bunch rot in grapes:** A [brief article](#) about preventing Botrytis bunch rot with links to other useful resources.

**Field Monitoring for Grapevine Leafroll Virus** (Also available in [Spanish](#)): This publication describes methods for identifying virus-infected vineyards and the presence of vectors that is particularly important for preventing spread at harvest.

**Grapevine Viruses: Monitoring for Symptoms in Fall:** It is important to monitor grapevine health throughout the growing season. However, grapevine issues may often begin to show during fall. [Read more](#)

## Upcoming Events

**OWRI Seminar Series-** Dr. Clive Kaiser | Oct. 16, 12 to 1:00 p.m., OSU campus, Corvallis, OR

**OSU Vineyard Red Blotch Workshop** | Nov. 29, 10:00 a.m. to 2:00 p.m., Salem, OR

**OWRI Seminar Series-** Dr. Vaughn Walton | Dec. 11, 3 to 4:00 p.m., OSU campus, Corvallis, OR

**OWRI Grape Day** | April 3, 2019, 8:30 a.m. to 3:30 p.m., OSU campus, Corvallis, OR

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

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