



## Oregon Wine Research Institute

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. 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.

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### To the OWRI Community,

The 2023 Oregon Wine Symposium will be held in-person on February 14-15 at the Oregon Convention Center in Portland. Please stop by the OWRI booth on the trade show floor to say hello and get the latest research and extension news and information. We welcome this opportunity to interact with growers and wine makers during this educational event in Oregon. We encourage you to [register](#) by January 15 to receive the early-bird rate. The OWS is brought to you by the Oregon Wine Board and the Oregon Winegrowers Association. [2023 Program](#)

Save the date for the Oregon Wine Research Institute's Grape Day on Tuesday, April 4, 2023, with morning and afternoon presentations. Grape Day is our annual event to showcase its effort to enhance the wine industry through science-based information. It provides a snapshot of all the current research activities that our faculty, students, and support staff are engaged in on your behalf. More information can be found below. We look forward to seeing you in April!

Thank you to everyone who collaborated with us on research projects, attended meetings, or workshops in 2022. It's been a great year, and you've been a big part of that.

Happy Holidays and Season's Greetings from OWRI!

Denise L. Dewey  
Program Coordinator

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### Research Focus

#### **Foliar Fertilization of Grapevines: What we know and don't know**

Applying fertilizers or plant nutrients to foliage has a long history, and there is an extensive number of papers published on the subject. However, it may surprise some of you to learn that we still do not fully understand how nutrients applied to the foliage actually cross the leaf cuticle and enter the cytoplasm of plant cells where they can be used in metabolism. This article provides information about foliar nutrient trials in Oregon vineyards from the Schreiner lab.

#### **Red Blotch Virus and Small RNA Sequencing**

RNA interference is a part of plants multifaceted defense mechanisms to combat viral infection and other pathogens like bacteria and fungi. Christian Mandelli, Ph.D. student in the Deluc Lab, works on a multi-Omics project to examine how grapevine initiates the "arsenal" of RNAi defense mechanisms following the early stages of GRBV infection.

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### Featured Articles



#### **Research Updates from OSU's Woodhall Vineyard**

OWRI researchers use this farm to conduct important viticulture and enology experiments for the industry. In 2022, the farm was used by more than six researchers on projects ranging from product testing to canopy design and rootstocks. Learn more about the research projects in this [summary report](#).

#### **Research Updates from OSU's Research Winery**

The OSU Research Winery is an experiential learning facility that supports enology and viticulture research and education. A vital component of the OWRI's "vine to wine" research approach is the ability to conduct a large number of controlled, research-scale



fermentations. Learn more about the research winery in this [summary report](#).



### Research Updates from the Vineyards at OSU's SOREC

The Southern Oregon Research and Extension Center has established itself as a complementary viticulture research site to OSU's Woodhall III Vineyard. The team at OWRI can now conduct similar or paired research trials across both Southern Oregon and the Willamette Valley. Learn more about SOREC in this 2022 [summary report](#).

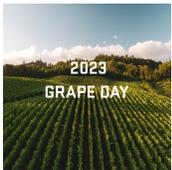
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## HiRes Vineyard Nutrition Podcast - NEW!

The national [HiRes Vineyard Nutrition Project Team](#) has a podcast for wine industry professionals to learn how to monitor and manage vineyard health through grapevine nutrition research. The podcast is hosted by Dr. Patty Skinkis, Professor and Viticulture Extension Specialist at Oregon State University. [Season 1](#) includes interviews with the experts on the project.

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## Grape Day 2023



**Save the Date! 2023 Grape Day** - Join us in person on Tuesday, April 4, 2023 at Oregon State University for our annual research event highlighting research that impacts Oregon winegrape industries. The structure of the event will feature oral presentations, lunch, and an interactive poster session. This year, we are focusing on Grapevine Red Blotch Disease. Registration will open on February 14, 2023. For the full agenda and to learn more about Grape Day, visit [beav.es/3B3](https://beav.es/3B3).

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## Timely Topics

**How to Measure Dormant Pruning Weights** - Dr. Patty Skinkis, OSU Professor and Viticulture Extension Specialist, recommends that pruning weights be collected each year during dormancy to compare vine size, growth, and health across vintages. This is a great way to understand the impacts of the growing season climate and viticultural practices. To get started, check out the how-to guide, [How to Measure Dormant Pruning Weights of Grapevines](#).

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## Online Training Opportunities

### Need ODA pesticide education credits?

- [Recertification Courses](#) - OSU has online courses that provide training on demand!
- [Pesticide Applicator Courses](#) - These are affordable, self-paced, online courses offered by OSU that qualify for ODA recertification credits.
- [In-person courses](#) - Site based, in-person courses are back!
- [FAQ Page](#) - Have questions about ODA pesticide licensing? The [OSU Pesticide Safety Education Program](#) is here to help.

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## Extension Resources

- [How to Measure Dormant Pruning Weights of Grapevines](#) (Protocol and data sheet)
- [How to cane prune grapevines](#)
- [How to spur prune grapevines](#)
- [How to renew a grapevine cordon](#)
- [Transitioning Grapevines from Cane to Spur Pruning](#)
- [How to Scout for Grapevine Trunk Disease in Vineyards \(cane pruned\)](#)

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## Join ASEV Today!

**Join the premier Viticulture & Enology Professionals Organization** - The American Society for Enology and Viticulture (ASEV) is a community of professionals that focuses on sharing science-based information that improves grape growing and wine production. We welcome all grape and wine industry professionals and students who have viticulture and enology career aspirations to join ASEV. Membership

provides access to research information, networking with industry professionals and experts, and opportunities for professional development at a regional and national scale. There are opportunities for all industry members and all stages of the career path from student to expert. If you have questions, ask [James Osborne](#), current member of the Board Directors. [Consider joining today!](#)

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## Events

**Stop the Spread: Effective Options for Managing Leafroll** | Walla Walla, WA, January 24, 2023

**Stop the Spread: Effective Options for Managing Leafroll** | Prosser, WA, January 25, 2023

**Unified Wine & Grape Symposium** | Sacramento, CA, January 24-26, 2023

**WineVit** | Kennewick, WA, February 6-9, 2023

**Oregon Wine Symposium** | Portland, OR, February 14-15, 2023

**Southern Oregon Grape Symposium** | Central Point, OR, March 14, 2023

**LIVE Annual Meeting** | Newberg, OR, March 30, 2023

**Oregon Wine Research Institute Grape Day** | Corvallis, OR, April 4, 2023

**American Society for Enology and Viticulture National Conference** | Napa, CA, June 26-29, 2023

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