



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.

Outreach and Communication

The Oregon Wine Research Institute offers an annual competitive program to fund undergraduate research internships in areas related to viticulture, enology, and economics. The goal is to provide highly motivated undergraduate students with the opportunity to learn and actively participate in research related to grape and wine production, and pair them with one of our faculty who serve as mentors for one year. We are pleased to announce five undergraduate student scholar positions are open for the academic year 2021-2022. The details to apply are listed below. Learn more about the scholars program at the [OWRI Scholars webpage](#).

There is still time to [register](#) for today's Grape Day Seminar Series from 12:00-1:00 PM. The focus of today's webinar is research projects from the Deluc Lab on campus. All seminars are free, and registration is required in advance. Event details can be found below.

Cheers,

Denise L. Dewey
Program Coordinator

Research Focus



Do Mycorrhizal Fungi help grapevines acquire Nitrogen?

Arbuscular mycorrhizal fungi (AMF) have traditionally been known to help plants obtain phosphorus from soil and other nutrients with limited mobility in soil. Research Plant Physiologist Paul Schreiner reports on greenhouse studies to understand how nitrogen influences AMF. [Read the full article](#)

Timely Topic

Should I Test Tissues for Nutrients at Bloom or Veraison? Find information on vineyard nutrition sampling and testing information [here](#)! We also have a few other resources to help with vineyard nutrition management:

- [Identifying Grapevine Nutrient Loss](#)
- [Wine Grape Tissue Nutrient Analysis Guidelines for Oregon](#)

Education



Grape Day Seminar Series 2021 | May 18 - June 8

Due to the current safety risks and uncertainty of large, in-person gatherings, the Oregon Wine Research Institute will be holding a virtual Seminar Series in place of our annual Grape Day event. Join us for a live webinar series Tuesdays from 12 to 1:00 p.m. This spring seminar series focuses on research projects in faculty labs at Oregon State University's Oregon Wine Research Institute and partners at the USDA-ARS. Seminars will cover wine lipids, sensory impacts of Red Blotch, gene editing, powdery mildew, viticulture adaptation to climate change, and bacterial spoilage of wine. Each seminar will allow a live question/answer session. The virtual research webinars are free, and [registration](#) is required in advance.

May 18 featured topics from Dr. Laurent Deluc's Lab:

- Developing Transgene-free gene editing tools in grapevine
- Development of a GMO-free RNA interference approach to mitigate the negative effects of Red Blotch disease on grapevine
- Developing a Spray-Induced Gene Silencing (SIGS) method for the control of Grape Powdery Mildew (*Erysiphe necator*)

View these events and more: owri.oregonstate.edu

Message from ASEV President, Dr. Patty Skinkis



Industry and Academics welcome at American Society for Enology and Viticulture (ASEV) National Conference! This is the premier national research event for viticulture and enology. While the focus is on research, the majority of the society's membership is industry, and the goal of this [national event](#) is to provide science-based information to help viticulturists and enologists improve their grape growing and winemaking. It also serves to build community between US and international researchers and make connections with industry. We hope you can join us online June 21-24!

Student Scholars Program

Open positions with the Oregon Wine Research Institute at Oregon State University. If you are an undergraduate student currently enrolled at an institution of higher education (post-secondary) within the US or internationally, who is interested in working in a research environment that is either field- and/or lab-based, please visit the online [OSU job site](#) for the student technical assistant job description (P07390SE) to apply. Positions begin on July 1, 2021 and extend to June 30, 2022. You must be present at the location of your faculty host for the duration of the scholar position.

Extension Resources

Monitoring Vineyard Nutrition - how-to guide on tissue testing and interpretation, OSU Extension

Identifying Grapevine Nutrient Issues, OSU Extension

Wine Grape Tissue Nutrient Analysis Guidelines for Oregon, OSU Extension/USDA-ARS

Six Steps to Calibrate and Optimize Airblast Sprayers for Orchards and Vineyards, WSU Extension

Common Interchangeable Nozzles for Perennial Crop Canopy Sprayers WSU Extension

Airblast 101 - free e-book to help you improve your sprayer operation

2021 Pest Management Guide for Wine Grapes in Oregon- updated online version with app!

Events

OWRI Grape Day Seminar Series 2021 | Tuesdays, May 18-June 8, virtual

American Society for Enology & Viticulture National Conference | June 21-24, virtual

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If you have a particular topic or question you would like to see addressed in the *Vine to Wine*, please [contact us](#).

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