



**Oregon State  
University**

**Oregon Wine Research Institute**  
*Vine to Wine* | April 2021

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

Due to the current safety risks and uncertainty of large, in-person gatherings, we will be holding a virtual Spring Seminar Series in place of our annual Grape Day event. This series focuses on several research projects in faculty labs at Oregon State University's Oregon Wine Research Institute and partners at the USDA-ARS. The seminar series will be held weekly, Tuesdays from 12:00-1:00 PM from May 11 to June 8. Presentations will be either 20-minutes or 40-45 minutes, followed by a 10-15 minute question and answer session. Seminars are free, but registration is required in advance to obtain the link for the live webinar. You will find detailed information about each seminar below. We hope you find our online seminars helpful and informative!

Cheers,

Denise L. Dewey  
Program Coordinator

## Research Focus

### **Developing a new methodology for marker-free gene editing in grapevine**

Associate professor of grape genomics and genetic engineering, Laurent Deluc reports on research conducted in his lab identifying new methods to deliver gene-editing components to plants.

### **Risk management in a post-COVID-19 world for Oregon vineyards and wineries**

OSU applied economist James Sterns describes different approaches suited for managing operational risks in vineyards and wineries and how to be proactive in managing those risks.

## Announcing the Virtual OWRI Spring Seminar Series

Join us for a live [webinar series](#) Tuesdays from 12:00 - 1:00 PM from May 11 to June 8. Topics covered in this series will include research projects from the science labs of Drs. Tomasino, Deluc, Skinkis, Mahaffee, and Osborne. The virtual research webinars are free, but registration is required in advance to receive the Zoom link to attend.

**May 11, 2021** | [register](#)

- **Untargeted lipidomic approach in studying Pinot noir wine lipids and predicting wine**

**origin** - Quynh Phan, Graduate Research Assistant, Oregon State University (Tomasino Lab)

- **Sensory Impacts Due to Grapevine Red Blotch Virus Mitigation practices**- Samuel Hoffman, Graduate Research Assistant and MS candidate, Oregon State University (Tomasino Lab)

**May 18, 2021** | [register](#)

- **Developing Transgene-free gene editing tools in grapevine**- Dr. Satyanarayana Gouthu, Research Associate, Oregon State University (Deluc Lab)
- **Development of a GMO-free RNA interference approach to mitigate the negative effects of Red Blotch disease on grapevine** - Christian Mandelli, Graduate Research Assistant, Oregon State University (Deluc Lab)
- **Developing a Spray-Induced Gene Silencing (SIGS) method for the control of Grape Powdery Mildew (*Erysiphe necator*)** - Britt Eubanks, Graduate Research Assistant, Oregon State University (Deluc Lab)

**May 25, 2021** | [register](#)

**Exploring vineyard soil moisture and rootstock adaptation in the face of climate change**

Dr. Patty Skinkis, Professor and Viticulture Extension Specialist, Oregon State University

**June 1, 2021** | [register](#)

- **Fits like a glove: Monitoring powdery mildew and what that can tell us about QoI fungicide resistance** - Sarah Lowder, Graduate Research Assistant, Oregon State University (Mahaffee Lab)
- **Monitoring for SDHI resistance in grape powdery mildew**- Dr. Nathalie Aoun, Postdoctoral Researcher, University of California-Davis
- **Shining a light on managing botrytis rot and powdery mildew**- Alex Wong, Graduate Research Assistant, Oregon State University (Mahaffee Lab)

**June 8, 2021** | [register](#)

**Harnessing microbial interactions during winemaking to reduce spoilage risks**

Dr. James Osborne, Associate Professor and Enology Extension Specialist, Oregon State University

## News Updates

**Changes to Oregon's Grape Pest & Disease Quarantine - Effective April 1, 2021**

Important changes to the grape quarantine will impact how plant materials are imported into the state. [Oregon's quarantine rule change update](#)

**Vine Replacement Insurance Program Being Developed for US Grape and Wine Industries**

Learn more about this new program and how it may provide relief for vineyards that are impacted by freeze, hail, flooding, fire, and failure of irrigation systems. [Press Release](#)

**Disappearing Crop Statistics: USDA Drops all but CA and WA from Annual Crop Statistical Summaries**

Each year Oregon wine grape producers are asked to complete a survey for production to develop the [Oregon Vineyard & Winery Report](#). Read the [printable PDF version](#) to understand how USDA-NASS is dropping OR and other states in their national reporting.

## We need your input!

**How do you manage vineyard nutrition?**

Dr. Patty Skinkis, OSU, and Dr. Markus Keller, WSU, are leading a research team in developing technologies and tools for vineyard nutrition. They invite commercial grape growers,

consultants, and vineyard management companies across the US to complete a brief survey at <https://beav.es/JRk>.

### Ag Stress Survey for Producers

Learn more about how Extension programs are working for you and [participate in the survey](#).

## Professional Development

### AHIVOV

This is a unique educational program designed for Oregon's Latinx and Hispanic vineyard employees. [AHIVOV Wine Professional Training Program](#)

## Extension Publications (open access)

### **2021 Pest Management Guide for Wine Grapes in Oregon**

Updated annually, this guide now has an online version and app new for 2021!

### **How to Do Regular Maintenance on Air Blast Sprayers to Ensure Proper Care for Specialty Crops**

This guide highlights periodic tasks that should be completed.

### **Pest Alert: Spotted Lanternfly is an Invasive Insect that May Impact Oregon**

Read this guide to learn how to identify and report findings of this pest.

### **2021 Plant Disease Management Handbook**

Updated annually and authored/edited by Dr. Jay Pscheidt and Dr. Cindy Ocamb, OSU

### **2020 Fungicide Efficacy Trials for Fruit Crops**

Dr. Jay Pscheidt, OSU Extension Plant Pathologist, conducts efficacy trials and reports results here.

### **Are Your Weed-control Products Damaging Nearby Vineyards?**

Avoid damage from herbicide drift, share with your neighbors!

### **Soil: The Dirty Secrets of a Living Landscape**

This guide describes how to care for soil and worksheets to help document the process.

## Events

**OWRI Spring Seminar Series** | Tuesdays, May 11 to June 8, virtual

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

## Stay Connected

Join our mailing list for news and information regarding programs, events, advances in research, resources in your area, and much more. [Subscribe Now](#)



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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