



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.

To the OWRI Community,

I am pleased to share the news that Professor Michael Qian has received the 2022 IFT Achievement Award: Distinguished Lipid and Flavor Science Award in Honor of Stephen S. Chang. Dr. Qian is a sought-after consultant for food and beverage companies that need assistance with solving flavor-related issues in their products. Michael is an Elected Fellow of the American Chemical Society and Fellow of the ACS Agricultural and Food Chemistry Division. You can learn more about Michael's contributions below.

Please join us for Grape Day on Tuesday, April 26 on the OSU campus, and network and learn from scientists and each other. We've got a great program mix of enology and viticulture this year. Pre-registration is required and closes today at 5 PM. Find program and registration information below. We hope to see you on April 26!

Cheers,

Denise L. Dewey
Program Coordinator

Research Focus



Resources for Vineyard Frost Protection

With many vineyards at or just past budbreak throughout the state, many growers are concerned with spring frosts and protecting buds and emerging shoots. Dr. Alec Levin describes the main factors related to frost risk and protection to create an effective risk-management system.



Update: HiRes Vineyard Nutrition Trials in Oregon

In late 2020, a team of Oregon researchers were awarded federal funding to support research in vineyard nutrition as part of a national team in a project entitled High Resolution Vineyard Nutrition Management. This article summarizes an update on some of the progress to date from the Oregon team.

OSU Research Winery Renovation

A vital component of the Oregon Wine Research Institute's "vine to wine" research approach is the ability to conduct a large number of controlled, research scale fermentations. The current research winery has served us admirably in the past, it is undersized and underequipped to meet our current and future needs. This hinders the ability for OSU to conduct research to address current and emerging industry priorities, such as mitigating the impact of smoke exposure from wildfires and recruiting and training the next generation of winemakers and viticulturists. An exciting opportunity to expand and update the winery has recently presented itself. [Learn more about the renovation efforts and fundraising campaign.](#)

Vineyard Business Models

James Sterns, Associate Professor in Applied Economics at Oregon State University, discusses key points made during a panel session at this year's Oregon Wine Symposium of several potentially viable business

Faculty Focus



Professor Michael Qian has been selected for the 2022 **Distinguished Lipid and Flavor Science Award in Honor of Stephen S. Chang**. The award recognizes Michael's considerable expertise as a leading national and international scholar in flavor chemistry for developing new methods to identify novel key aroma and flavor components in dairy products, small fruits, wine, beer, seafood, and distilled alcoholic beverages via sensory-directed instrumental analysis.

Vineyard & Winery Report

University of Oregon's Bob Parker is still accepting responses to the **annual vineyard and winery census**, with the deadline being extended to April 30. Currently, we are around 50% of the way towards our goal of receiving 600 responses. Your responses make the report possible and it supports a range of state and federal grant funding applications among many other benefits. Want your AVA recognized in the report, be sure to encourage AVA representation in the report! [Participate in the 2021 questionnaire here.](#)

2022 Grape Day Registration - Closing Soon



Grape Day provides a snapshot of all the current research activities that our faculty and students are engaged in on your behalf. Registration is required in advance. \$150/person and includes lunch. Full program and speaker information can be found on our [event landing page](#). Registration closes Thursday, April 21, 2022 at 5 PM. [Register to attend.](#)

Alert: Mealybugs in Vineyards

A recent find of [vine mealybug](#) in Oregon has the Oregon Department of Agriculture (ODA) on high alert for this and another mealybug, the [Gill's mealybug](#). Vine mealybug is a known threat to vineyard production, and Gill's mealybug is an emerging pest for the region. Learn more about both mealybugs and report any findings of these mealybugs to the ODA. [Protocols](#) for identifying and submitting mealybug samples are available online in [English](#) and [Spanish](#). A reporting [database](#) is also developed by ODA to streamline reporting of these important pests.

Virus Testing of Incoming Nursery Stock

If you are interested in evaluating the virus-status of nursery stock coming in from out-of-state, be sure to contact the Oregon Department of Agriculture. They are arranging for vines to be tested for Grapevine Red Blotch Virus, Grapevine Leafroll Virus, and Pierce's Disease once in Oregon. These tests are free, and the program is voluntary. To participate in this [Grapevine Pathogen Testing Project](#), read this [brief summary](#) and complete a [request form](#).

Grape Crown Gall - OSU Needs Samples

[Dr. Melodie Putnam](#) of the OSU Plant Clinic is conducting a research project on crown gall. The project is aimed at identifying the genetic variability of crown gall isolates from grapes and other small fruits by way of whole genome sequencing of the bacteria. Growers who have grapevines with crown gall should contact Melodie at putnamm@oregonstate.edu or 541-737-3472. They have limited funds to process samples at no cost to the grower to add to the research collection of bacteria. They are interested in isolates from all over Oregon, as well as other western states. Samples are being solicited now until September 2022.

Extension Publications (open access)

New! Field Guide for Integrated Pest Management in Pacific Northwest Vineyards

This [guide](#) was updated by experts in the PNW for the second edition to include both current and emerging pests of insects, mites, diseases, nematodes, and weeds.

2021 Fungicide Efficacy Trials for Fruit Crops

Dr. Jay Pscheidt, OSU Extension Plant Pathologist, conducts efficacy trials and reports results by year. In 2021, he reported on [organic products](#) and [biologicals](#) for powdery mildew management.

2022 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.

2022 Plant Disease Handbook

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

Are Your Weed-control Products Damaging Nearby Vineyards?

Avoid damage from herbicide drift, share with your neighbors this spring!

Upcoming Events

OWRI Grape Day | April 26, 2022, Corvallis, OR

Chemeketa Cellars 2022 Barrel Tasting | May 4, 2022, Salem, OR

Agricultural Biodiversity on Western Farms: Habitat Working for Farmers | May 24-25, 2022

ASEV National Conference | June 19-22, 2022, San Diego, CA

Vineyard Scouting Workshop | June 29, 2022, Roseburg, OR

Terclim 2022 | July 3-8, 2022, Bordeaux, France

Vineyard Technology Field Day | July 13, 2022, Salem, OR

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