



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.

Research Focus

RNA interference in the Vineyard: A potentially transformative tool?

The mechanism of gene silencing involves the production of small RNA molecules. Scientists have engineered this mechanism to develop new technology tools to understand gene-to-trait associations. Dr. Laurent Deluc summarizes the need for developing innovative and transformative tools with better acceptance of scientific novelty and a trustful appreciation of how basic knowledge can lead to applications in vineyards.

Social Wasp Management in Vineyards

Social wasps are abundant in vineyards and can cause significant problems to people working in vineyards when a nest is disturbed. Dr. Vaughn Walton provides recommendations how to manage developing social wasp colonies as the season progresses.

Timely Topics



Should I Test Tissues for Nutrients at Bloom or Veraison?

Growers typically sample vineyards for nutrient status at bloom. However, research from Oregon shows that veraison samples are more reliable than bloom for diagnosing most nutrient issues. Find practical information on vineyard nutrition sampling and testing in [Monitoring Vineyard Nutrition](#). Additional resources for nutrient management are provided below:

- [How to interpret vineyard nutrient test results](#)
- [Identifying Grapevine Nutrient Issues](#)
- [Vineyard Nutrition Resources for the US](#)
- [HiRes Vineyard Nutrition Project](#)



Summer Scouting for Mealybugs

A recent find of [vine mealybug](#) in Oregon has the Oregon Department of Agriculture (ODA) on high alert for this and another mealybug that has been known in the region since 2014, the [Gill's mealybug](#). 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.



Summer Scouting for Crown Gall

Crown gall growth occurs after damage to vine tissues from freeze events, but signs of galls are not apparent until early summer. Search for galls where vines appear severely stunted in growth and/or have no growth above ground. Remove bark from the cordons and trunks to observe. You can find out more about [crown gall in the PNW Disease Handbook](#). If you find vines expressing crown gall, contact [Dr. Melodie Putnam](#) of the OSU Plant Clinic. She is conducting a research project on crown gall to identify the genetic variability of crown gall isolates from grapes and other small fruits by way of whole genome sequencing. They have limited funds to process samples at no cost to the grower. They are interested in isolates from all over Oregon, as well as other western states. Samples are being solicited until September 2022.

Extension Resources

2022 Pest Management Guide for Wine Grapes in Oregon

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

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.

Events

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

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

Washington Rootstock Field Day | July 15, 2022, Benton City, WA

SOREC Grape Day | July 19, 2022, Central Point, OR

WAVE 2022 | July 27, 2022, Richland, WA

NVEELC | August 14-17, 2022, Selma, CA

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