



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, and 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 for crop protection of Grape Powdery Mildew - [Dr. Laurent Deluc](#), OSU Associate Professor in Grape Genomics and Genetic Engineering, reports on a new project using ectopic application of nucleic acid molecules for better controlling Grape Powdery Mildew. [Read more](#)

Articles

OWRI focuses on the American Society for Enology & Viticulture National Conference in 2020! We welcome you to join us in the premier viticulture and enology research event in the US. The OWRI faculty are preparing their research summaries to be showcased at this event and are foregoing our annual Grape Day to ensure that you can attend this important conference. Read more [here](#).

Oregon Red Blotch Disease Survey 2020- the OWRI Red Blotch Study Team is working to understand the industry needs after several years of research and outreach into the disease complex. Please complete a brief online survey [here](#) by April 1, 2020.

Red Blotch Disease Research Summaries are available from the California Dept. of Food and Agriculture's annual research progress report of projects funded by the Pierce's Disease Control Program which also covers Red Blotch Disease research. Several OWRI researchers are funded by this program and are doing work here in Oregon. [Read more](#).

Pinot noir can be spur pruned without yield losses- Dr. Patty Skinkis, OSU Professor and Viticulture Extension Specialist, conducted research comparing candel and spur pruning in Oregon Pinot noir. Read more about the research [here](#).

Dr. Bob Martin Retires



After more than 39 years of devoted service, Bob Martin retired at the end of December. Bob was a virologist and plant pathologist with the USDA-ARS and courtesy faculty with the department of Botany and Plant Pathology as well as a core member of the OWRI. He worked with viruses in small fruits since 1980 and more recently analyzed vineyards that tested positive for grapevine red blotch virus (GRBaV) and mapped populations of insects that may have spread the disease. Bob's contributions were integral to our success and continuity. All the best to Bob on his

Events

Vineyard Management Online Class, Spring 2020

Looking for opportunities to increase your viticulture or winegrape production knowledge? This online, non-credit course is being taught by Dr. Patty Skinkis, OSU Professor and Viticulture Extension Specialist. The course covers key concepts in vineyard management and focuses on the importance of making informed management decisions in the vineyard by understanding impacts on grapevine physiology and economics. This is a great course for current industry professionals or those interested in entering the industry. Registration is required, and space is limited. Learn more about the class [here](#).

Stakeholder Meeting: Industry Input on Smoke Exposure for USDA Grant - Feb 13

Elizabeth Tomasino (Oregon State University) with Tom Collins (Washington State University) and Anita Oberholster (UC Davis), are collaborating on a research grant proposal to address smoke impacts on grapes and wine. This meeting will be specifically designed to get your input on issues and problems related to wildfire smoke. We seek input from individuals throughout the industry including but not limited to viticulturists, winemakers, owners, legal aspects, consumer perception, sales/marketing, distribution, etc. The event will be held Feb. 13, 8:30 AM to 1:00 PM at the OSU Portland Center. You are encouraged to attend in person so that we may better capture your input. However, if this not possible, Zoom video conferencing will be available through your computer. **Attendance is free but you must register to participate** (including through Zoom). No walk-ins allowed. [Register here](#) to reserve your spot, space is limited. Thank you and we look forward to seeing you at the meeting. Questions? Contact Dr. Elizabeth Tomasino elizabeth.tomasino@oregonstate.edu

Survival of the fittest: the microscopic world of winemaking - Feb 13

Join [Dr. James Osborne](#) for an exploration of the microscopic world of winemaking and learn how the microbial struggle for survival ultimately determines how a wine smells and tastes. This event will be held Feb. 13, 5:30 pm (social with refreshments and beverages); 6:00 - 7:00 PM PST (seminar presentation) at the OSU Portland Center. Registration: \$15 per person. [Register here](#). If you have any issues with registration, contact Susan at 541-737-5759 for assistance.

Exploring the terroir of Willamette Valley Pinot noir - May 14

Join [Dr. Elizabeth Tomasino](#) in exploring the terroir of Willamette Valley Pinot noir. Dr. Tomasino recently completed a 5-year study on Pinot noir qualities unique to each sub-AVA of the Willamette Valley. Learn what makes Pinot noir wine from these areas unique. Discover your favorite Oregon Pinot noir AVA or new ones to explore. The event will be held May 14, 5:30 PM (social with refreshments and beverages); 6:00 - 7:00 PM (seminar presentation) at the OSU Portland Center. Registration is \$15 per person. [Register here](#). If you have any issues with registration, contact Susan at 541-737-5759 for assistance.

Oregon Wine Symposium



Please join OWRI at the **Oregon Wine Symposium** on February 11-12 in Portland! This educational event covers relevant topics in viticulture, enology, and wine business. Please stop by our exhibit booth to say hello and get the latest research and extension news and information! You'll find us at booth number 445.

Extension Resources

How to Measure Dormant Pruning Weights of Grapevines- Pruning weights are the best way

to monitor vine growth and vine size changes across vineyards and seasons. It is easy to gather these data during dormant pruning. [Read more](#)

Preparing your pest management program for 2020

Use the following resources when developing your pest management spray programs:

- [Plant Disease Management Handbook](#)
- [OSU Fruit Disease Management Testing Program](#)- Results of pesticide efficacy trials conducted in Oregon for grape powdery mildew and Botrytis bunch rot are available from Dr. Jay Pscheidt, OSU Extension Plant Pathologist.
- [Insect Management Handbook](#)
- [Weed Management Handbook](#)
- [Pesticide Safety](#)
- [Effective Vineyard Spraying](#)

Trunk Disease Prevention and Management

Winter is an important time for searching for trunk disease symptoms during pruning and preventing trunk disease infection by using proper pruning practices. Below are important resources for understanding and managing trunk diseases.

- [Eutypa Dieback](#)
- [Botryosphaeria - "Bot Canker"](#)
- [Esca and Petri Disease](#)
- [Grapevine Trunk Diseases: A Review of Fifteen Years of Trials for Their Control with Chemicals and Biocontrol Agents](#)
- [Managing Grapevine Trunk Diseases With Respect to Etiology and Epidemiology: Current Strategies and Future Prospects](#)

Winter OSU Viticulture Extension How-To Videos

- [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 \(cane pruned\)](#)
- [How to Scout for Grapevine Trunk Disease in Vineyards \(spur pruned\)](#)

Upcoming Events

Unified Wine & Grape Symposium | February 4-6, 2020, Sacramento, CA

Oregon Wine Symposium | February 11-12, Portland, OR

Survival of the fittest: the microscopic world of winemaking | February 13, Portland, OR

Washington Winegrowers Convention & Trade Show | March 2-5, Kennewick, WA

Southern Oregon Grape Symposium | March 10, Central Point, OR

Umpqua Valley Winegrowers Greatest of the Grape | March 21, Roseburg, OR

Exploring the terroir of Willamette Valley Pinot noir | May 14, Portland, OR

ASEV National Conference | June 15-18, Portland, OR

Stay Connected



Have a particular topic or question you would like to see addressed in the *Vine to Wine*? Please [contact us](#).

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