



Program Coordinator Report

In 2013 the Oregon state legislature approved \$1.2 million dollars in funding for fermentation sciences programs at Oregon State University, including wine, dairy, brewing and distillation. The OWRI core faculty elected to use a portion of these funds to create two Faculty Research Assistant (FRA) positions to support "vine to wine" research.

Josh Price was hired as assistant manager of the Woodhall III research vineyard in Alpine. Josh worked at Woodhall for three years as a student, so he was ideally suited to step into this new position. Since he arrived, he has overseen major improvements to the vineyard's infrastructure and the development of new research blocks.

Aubrey DuBois arrived in July, 2018 as the second enology FRA in support of wine making and sensory research at OSU. Before she was hired, Aubrey earned her M.S. in Food Science and Technology from OSU, and served as the interim enology FRA, so she was well prepared to assume responsibility for the research winery, and to assist Elizabeth Tomasino with her sensory research.

Successful research relies on a skilled and dedicated support team to help a principle investigator to realize his or her research objectives. They are the boots in the vineyard or cellar that get the daily work done, from pruning vines to cleaning tanks. It's not unlike your business that requires dependable, smart and creative helpers to grow and make fine wine along the entire production stream. In research, the devil is in the details, and strict protocols must be followed, so a particular temperament is necessary for research to be successful.

You may never have a chance to meet Aubrey or Josh, but rest assured that they are enabling our research faculty to do the best work possible.

We at OSU are very grateful to the beverage and food industries for creating this valuable source of funding for research to improve the quality of Oregon's fermentation products.

Note: We are entering the very busy winter meeting season with plenty of opportunities for growers and wine makers to learn and network. Please check the EVENTS list at the bottom of this newsletters to find meetings that you want to attend.

Mark L. Chien

OSU Viticulture and Enology Research Facilities

The OSU Woodhall III Research Vineyard

Oregon State University (OSU) has been conducting vineyard research projects at Woodhall III Vineyard for over 30 years. The property was purchased, and first vines planted, by Frank and Betty Baynes in the mid 1970s. In 1986, they decided to donate the property to OSU for

research, although Mr. Baynes continued to manage the vineyard and sell grapes until 1997. [Read more...](#)

The OSU Research Winery

The Oregon State University (OSU) Research Winery is a key component of the Oregon Wine Research Institute (OWRI) "vine to wine" approach to research. It is a fully functional, Oregon Liquor Control Commission (OLCC)-licensed winery, located on the northwest side of OSU's campus in Corvallis. While OSU has been involved in grape and wine analysis since shortly after Prohibition, the origin of the OWRI "vine to wine" philosophy is rooted in the early 1970s. Around this time, wine research at OSU significantly shifted to focus on questions and issues related to supporting the rapidly growing wine industry. [Read more...](#)

EVENTS

OWRI Seminar

[Dr. Akif Eskalen](#) is the University of California cooperative extension specialist in plant pathology. Research in his lab focuses on the identification, biology, epidemiology and management of fungal diseases on grapevines and fruit crops. He will present a seminar titled: **Grapevine trunk diseases: Current management strategies**. Dr. Eskalen will cover the biology, etiology and epidemiology of diseases such as Esca, Eutypa dieback, Botryosphaeria canker, and young vine decline, as well as current management practices that include pesticide options.

Tuesday, February 19 at 12:00 PM in Kidder 202 on the OSU campus ([map](#)). The seminar will be broadcast in real time on [OSU LIVE](#). Online participants can submit questions during the seminar to mark.chien@oregonstate.edu and they will be answered at the end. This seminar is free and no registration is required.

OWRI 2019 Grape Day registration is open!

Registration is now open for our annual event highlighting research relevant to the Oregon wine industry on April 3, 2019 in Corvallis, OR. Members from the Oregon Wine Research Institute and guest speakers Monica Cooper, UC Davis, and Tom Collins, WSU, will present. Detailed information and registration can be found on the [OWRI website](#).

SURVEY! We need your input on fungicide resistance!

The [FRAME Network](#), a national research and extension team working on fungicide resistance in grape powdery mildew, is interested in hearing about how you approach powdery mildew management and fungicide selection. If you are a vineyard owner, manager, consultant, or someone who provides fungicide recommendations for vineyards in the United States, please take our survey [here!](#)

RESOURCES

Dormant pruning weights can help determine vineyard health

Collecting pruning weight data is a way to document vine growth and vigor status of your vineyard blocks. There can be differences in vine growth from year to year or because of changes in vineyard management practices. Gather these data during winter pruning, and use the numbers to compare with yield data or lag yield estimates from 2018. The OSU

extension publication [How to Measure Dormant Pruning Weights of Grapevines](#) provides information on how to collect and interpret pruning weight data.

Preparing your IPM program for 2018

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

- [Insect Management Handbook](#)
- [Weed Management Handbook](#)
- [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.
- [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. Keep in mind that trunk diseases are caused by many fungal pathogen species (~133), not just one, and complete prevention and management is challenging. The best management practices require attention to how pruning is conducted (when and how). Details are provided in the following resources.

- [Do you have trunk disease?](#)
- [Eutypa Dieback](#)
- [Botrytisphaeria](#) - "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](#)
- [Trunk Disease Research SCRI website](#)
- [From Nursery to the Vineyard: Study of Trunk Diseases in British Columbia](#) (webinar)

Upcoming Events

Oregon Vineyard Supply Salem Growers Meeting | January 29, Salem, OR
Oregon Vineyard Supply Medford Growers Meeting | February 5, Medford, OR
[Information and registration](#) for OVS meetings.

United Wine Grape and Fruit Outreach Day | February 5, Milton-Freewater, OR
Topics include yield-quality relationship, irrigation scheduling and reduction, and managing spotted wing drosophila. [Register online here.](#)

Vintage Report | February 6, Linfield College, McMinnville, OR
The Evenstad Center for Wine Studies at Linfield College will present "Vintage Report Oregon 2018" on February 6 from 8:30am to 1:30 pm. The vintage report is an excellent opportunity to learn about the most exciting themes in modern winegrowing and reflect on the previous year's growing season.
[Register online here.](#)

Oregon Wine Symposium | February 12-13, 2019, Portland, OR

The Oregon Wine Symposium, presented by the Oregon Wine Board and the Oregon Winegrowers Association, will take place Feb. 12-13, 2019 at the Oregon Convention Center. The OWS offers two days of seminars, lectures and panels covering issues facing wine businesses with tracks for viticulture, enology, business, sales and marketing. Visit OWRI at booth # 150. [Register online here.](#)

[OWRI Seminar](#) | Dr. Akif Eskalen, UC Davis, February 19, 12:00 p.m., Kidder 202, OSU

Respiratory Protection for Agricultural Operations | February 22, 8:30 a.m. Chemeketa Eola, Salem
This 4-hr course will prepare participants to safely and legally use sulfur dioxide to disinfect wine barrels and corks, and provide the necessary protective tools. 4 pesticide recertification hours available. [Register online here.](#)

WAVEx-OWRI Viticulture and Enology Workshop | March 6, Readiness Center, The Dalles, OR
At this meeting WSU and OSU scientists present recent discoveries from crown gall research in WA, a national effort to better predict and help growers deal with grape powdery mildew fungicide resistance, using rootstocks to manage phylloxera, and how to use sound sanitation practices to prevent wine spoilage and science-based techniques to optimize wine fermentation. [Register online here.](#)

Southern Oregon Grape Day | March 12, OSU SOREC, Central Point, OR
The 5th Annual Southern Oregon Grape Symposium is an all day event featuring seminars by renowned academics working in the fields of viticulture and enology at OSU, University of California, and Fresno State University. In addition, there will be a panel discussion on management of vineyard soils and plant nutrition, along with a tasting of experimental wines made from area research trials on mitigating smoke impact. [Register online here.](#)

OWRI Grape Day | Apr. 3, 2019, 8:30 a.m. to 3:00 p.m., OSU campus, Corvallis, OR

Spring Vineyard Mechanization Workshop | May 17, Southern Oregon (site TBD)

ASEV National Conference | June 17 - 20, Napa, CA

Summer Vineyard Mechanization Workshop | July 11, Willamette Valley (site TBD)

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

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Oregon State University
Oregon Wine
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