



Vine to Wine Update

Oregon Wine Research Institute
February 2016

Welcome to the *Vine to Wine Update*. This monthly e-newsletter is designed to inform you of news, information and events from the [Oregon Wine Research Institute](#), highlighting our research programs and providing relevant information about the OWRI and our researchers. We continue to provide research-based viticulture and enology information for the Oregon wine industry. As always, we welcome industry input, so please ask [OWRI team members](#) questions from the vineyard or the cellar.



February Communications and Outreach Update

Danielle Gabriel, Communications and Outreach Manager

The February OWRI seminar presented by Dr. Pscheidt on fungicide resistance is archived and can be viewed anytime. To watch this or any other OWRI seminar, visit our website [here](#).

March and April are busy months and preparations are well underway for the 2016 growing season. Upcoming OWRI programming will address questions, concerns and issues to assist in the vineyard and winery. Our March 8 seminar by Dr. Michelle Moyer gives an overview of crown gall and management techniques. Grape Day on March 29 will discuss vineyard nutrient management, chardonnay composition and the sensory characteristics of wine. We are also excited to present our first annual Sparkling Wine Symposium on April 14, at Ponzi Vineyards. Lastly, we will be hosting our annual Vineyard Scouting Workshop in Milton-Freewater on May 4. See below for more details regarding these events.

The OWRI Stakeholder report is available [here](#). It contains a comprehensive overview of the research conducted by OWRI scientists as well as information about our Extension and outreach activities. We designed this report with the following goals in mind:

Goal 1: Enhance awareness of the Oregon Wine Research Institute and the research conducted by OWRI scientists.

Goal 2: Promote engagement in the OWRI core mission of disseminating research, education, Extension and outreach to improve grape and wine quality in Oregon.

Goal 3: Foster current relationships and develop new ones to ensure our education and outreach efforts reach industry partners.

We welcome feedback, so don't hesitate to reach out to [Mark](#) or [myself](#).

Preparing for an Early Start to the Growing Season

Dr. Patty Skinkis, Viticulture Extension Specialist & Associate Professor, OSU

Over the past few years, we have experienced warmer-than-normal winters and earlier-than-normal bud-break. The 2016 season seems to be shaping up as another early year. I have received a number of inquiries over the past few weeks with regard to ways to prepare for an early bud-break.

A few challenges come with early bud-break, the most concerning is spring frost damage. It is projected that bud break could occur as early as mid-March in some areas of the state, on-par with 2015 and weeks earlier than 2014. The earlier bud-break occurs, the longer the emerging buds, young shoots and developing inflorescences are at risk of frost damage. For example, there is a 60% probability of having frost (temperatures dropping to 28°F) in mid-March compared to a 20% probability in mid-April in McMinnville (Table 1). Frost probabilities at 28°F, the temperature by which damage can occur to newly emerging shoots, are shown below for several winegrape production regions of the state. These dates are not absolute and may vary by year and with climatic differences of specific sites within each region. (Continue reading the article [here](#)).

Clean Grapevines for Oregon: Securing our Future

Mark Chien, OWRI Program Coordinator

Healthy grapevine materials are a fundamental necessity of high quality wine production and are essential to the productivity and sustainability of the Oregon wine industry. Yet, wine industries across the globe face enormous plant health problems. Biotic and abiotic factors, above ground and below, can negatively affect vine health. These factors present challenges to the vine and grower that can make management difficult.

In the US, the [Foundation Plant Service](#) (FPS) at UC Davis has been the supplier of foundation grapevine materials to the wine industry. Despite a small number of commercial grapevine nurseries, Oregon's wine growers primarily rely on out of state sources of grapevine materials. (Continue reading the article [here](#)).

Be Aware of Winter Cutworm

Damage from winter cutworm (the common name for the larval stage of the large yellow underwing moth) is a growing concern. In 2015, large numbers of larvae were observed around homes, within golf courses, field crops located in Oregon and Washington and in some Willamette Valley vineyards. This publication highlights general information about winter cutworm, including identification, scouting recommendations, and potential control measures.

"Winter Cutworm: A New Pest Threat in Oregon" (EM 9139)

<https://catalog.extension.oregonstate.edu/em9139>

Red Blotch Webinar Recording Available

A video playlist is now available from the red blotch webinar hosted on Friday, February 26, 2016. The OWRI's Bob Martin, USDA-ARS and Vaughn Walton, OSU gave presentations. A recording of their videos and seven others are available.

<https://www.youtube.com/playlist?list=PLK93eCG1nCqKFZWFWuMqKPyAvU-Qk--B3>

New Extension Publications and Phone/tablet App Available- Just in Time for Spring!

New Phone/Tablet App Helps Growers Diagnose Problems On the Go

Recognize the Symptoms and Causes of Stunted Growth in Vineyards, EM8975

Authors: Patty Skinkis, Vaughn Walton, Amy Dreves, Clive Kaiser, Steve Renquist, Steve Castagnoli, Rick Hilton and Linda Brewer

We are excited to present our first Extension publication that is also an app that can be downloaded to your tablet and mobile device and viewed even when you are offline. The app is free to download and use. It's development was enabled by funds donated by the Oregon Wine Research Institute.



Spring frost, herbicide drift, water or nutrient stress, diseases, insect and mite pests can all cause similar symptoms of stunting or distorted growth in grapevines. Recognizing these symptoms and distinguishing their causes is the first step in diagnosing problems and developing a management plan. With many color photos, this publication will help you identify probable causes of distorted shoot and vine growth in vineyards and direct you to other resources that can lead to solutions.

To download the publication and the application, visit the Extension catalog:

<https://catalog.extension.oregonstate.edu/em8975>

Help Reduce Herbicide Drift from Neighbors

Are Your Weed-control Products Damaging Nearby Vineyards?, EM 9132

Authors: Michael Kennedy and Patty Skinkis

This brief informational guide will help anyone living near a vineyard understand the damaging effects common herbicides can have on grapevines. The Oregon grape industry is growing rapidly near urban boundaries throughout the state. Herbicides used in home gardens, residential and urban landscapes can cause serious damage to local vineyards. Share this link with your neighbors!

To download this publication, visit the Extension catalog:

<https://catalog.extension.oregonstate.edu/em9132>

OWRI Seminar- Powdery Mildew: Biology and Management

Dr. Michelle Moyer, Assistant Professor & Extension Viticulturist; Washington State University Department of Viticulture and Enology

Tuesday, March 8, 3:30 PM

Kidder 202 (For directions, click [here](#)).

Powdery mildew remains a concern for grape growers and can be difficult to manage. Populations of *Erysiphe necator* cleistothecia can burst open and release ascospores over an extended period of time ranging from fall through late spring. These ascospores are an important source of primary inoculum for grapevine powdery mildew epidemics. Dr. Moyer will discuss the role of primary inoculum in grape powdery mildew epidemics; focusing on the biology of inoculum arrival, and how weather and management choices influence subsequent epidemic development.

To view these seminars live online, visit: <http://live.oregonstate.edu/>.

Live chat will NOT be available, however, online live participants can submit questions during the seminar to danielle.gabriel@oregonstate.edu, and they will be answered at the end of the presentation.

2016 Grape Day

Wine & Grape Quality, Sensory & Perception, and Nutrient Management

LaSelles Stewart Center, OSU Campus, Tuesday, March 29

Maps and parking information [here](#).

Registration is \$65 and lunch is included.

Register [here](#).

Join us on campus at Oregon State University for our annual event highlighting research relevant to the Oregon wine industry.

Objective Measures of Quality for Chardonnay Grapes, Dr. Bruce Pan, Research Scientist; E&J Gallo

Beyond Aroma: Drinking with Full Senses, Dr. Juyun Lim, Associate Professor; OSU Department of Food Science and Technology

Wine Sensory; Interactions and Direct Effects on Perception, Dr. Elizabeth Tomasino, Assistant Professor; OSU Department of Food Science and Technology

Grape Water Content, Dr. Steve Price; ETS Labs

Impacts of Nitrogen (N), Phosphorous (P) and Potassium (K) Supply on Pinot noir Productivity and Berry and Wine Aroma Composition, Dr. Paul Schreiner, Research Plant Physiologist; USDA-ARS

Dr. Michael Qian, Professor; OSU Department of Food Science and Technology

2016 Sparking Wine Symposium & Tutored Tasting

This all day symposium, led by experts from Oregon, California and Champagne, France, is designed for wine industry members who want to explore sparkling wine in-depth.

This workshop will cover the theories and economics behind sparkling wine production as well as guide participants through a tasting of wines. By working through several sparkling examples, participants will review the climate, soils, sub-regions and winemaking process of sparkling wine in an interactive format. Come prepared to sip, savor and discuss the factors that make sparkling wine unique and distinctive.

Date & Time & Location

Thursday, April 14, 2016

8:30 AM - 5:30 PM

Ponzi Vineyards

More information [here](#).

Have a particular topic or question you would like to see addressed in the Vine to Wine? Let us know.

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STAY CONNECTED

