

HORT UPDATE

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Oregon State University

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Coming Attractions

December 2007

3-5	Washington State Hort Association	Wenatchee Convention Center
12	Wasco County Cherry Pruning Tour	The Dalles: English 8:00am Spanish 1:30pm
13	Hood River County Cherry Pruning Tour	<i>Schedule & directions enclosed</i>

January 2008

8	Farm Succession & Estate Planning	CGCC, Building 2, 3rd floor Lecture Hall
11	Cherry Institute	Yakima Convention Center
17	Core Pesticide Applicators & Pre-License Training	CGCC, Building 2, 3rd floor Lecture Hall
24	OSU MCAREC Cherry Symposium	<i>Time and Place TBA</i>
25	Vineyard Pruning Workshop	Hood River Extension Office, 10-4
29	OR Hort Society Stone Fruit Section <i>(agenda enclosed)</i>	Red Lion, Jantzen Beach, Portland
31	Columbia Gorge Fruit GrowersCherry Day	

February 2008

2	Hands-on Pesticide Handler Training <i>(Spanish)</i>	Hood River
5	Blue Mt. Hort Society Meeting <i>(agenda enclosed)</i>	Blue Mt. Community College, Milton-Freewater
6	Hood River Winter Horticulture Mtg. <i>(agenda enclosed)</i>	Pine Grove Grange, 8 am—3 pm
26	Pesticide Class <i>(English & Spanish)</i>	The Dalles, <i>Location TBA</i>

12 Steps to Manage Bacterial Canker of Sweet Cherry

Dr. Robert A. Spotts
OSU Mid-Columbia Agricultural Research and Extension Center
Hood River, OR

Pseudomonas syringae, which causes bacterial canker, is a major bacterial pathogen of young sweet cherry trees. Often, 10 to 20% of the trees in new orchards are killed by *P. syringae* within five years of planting. Control must integrate several techniques including the following:



- Do not interplant new trees with old trees, which are major sources of *P. syringae*.
- Keep irrigation water off the part of the trees above ground as much as possible for the first 2 or 3 years after planting. Consider withholding water in late summer so trees will “harden off” and not be as susceptible to low temperature injury in early winter.
- Avoid all types of injury – mechanical, insect, frost. Paint all trunks white with latex paint to prevent winter injury. Adding copper to the paint is probably of little benefit.
- Some studies show less bacterial canker when pruning is delayed until spring, even as late as after flowering in May. Less disease also occurs when summer pruning is used. Prune only during dry weather if possible.
- Remove and destroy branches and trees killed by *P. syringae* from the orchard.
- Mazzard F12-1 is one of the most resistant rootstocks. Resistance of new rootstocks is unknown at this time, but trees on Mazzard may have an advantage over trees on size-controlling rootstocks. Sweet cherry scion cultivars generally are susceptible.
- Locate the orchard in an area less likely to be affected by frost and slow drying conditions.
- Provide optimal soil conditions for growth of cherries, including attention to pH and nutrition. Application of excess nitrogen, especially late in the growing season, will promote late season growth that is susceptible to low temperature injury in early winter, followed by bacterial infection.
- Control weeds. They often support large populations of *P. syringae*, especially grasses. Clover and vetch ground covers support lower populations. Consider clean cultivation of row middles for the first 3 years.
- Fixed copper products or Bordeaux 12-12-100, applied in October and January may help, but strains of *P. syringae* resistant to copper are widespread in the Mid-Columbia area.
- Test for and control plant pathogenic nematodes before planting if needed. High populations of ring nematode have been associated with more bacterial canker.
- In the Parkdale area, plant trees in May rather than April.

Cherry Pruning Tours – The Dalles and Hood River

Gipp Redman, Oregon Cherry Growers Cooperative, will be assisting us. We will discuss pruning high density cherry orchards. The Dalles tour will be conducted in English beginning at 8:00 AM and repeated with Spanish translation at 1:30 PM. You are welcome to participate in all tours.

The Dalles Tour – December 12, 2007

John Morton's Orchard

From I-84, take Exit 85. Turn south at first stop sign at the top of the off ramp and then right at the second stop sign. Go 50 yards and make a sharp left turn, driving uphill on Brewery Grade. After cresting the hill, you'll be on 9th Street for a very short way, turn right onto Dry Hollow Rd. Continue straight through two 4-way stops (after stopping of course). Keep left at the Dry Hollow Road – Three Mile Road Y (watch for sign). This puts you on Three Mile Road. Keep left at the Steele Road – Three Mile Road Y. Travel on Steele Road about 2 miles and turn right on Doane Road. The orchard is located on the right hand side of Doane Road 0.3 miles from the Steele Road intersection.

8:00 – English

1:30 – Spanish

Coffee and Donuts provided by Chamberlin Distributing.

Skeena/G6/KGB planted in 2004

Regina/G6/KGB planted in 2005

Attika/Krymsk 5/KGB planted in 2006

Sandra Rose/G6/Central Leader planted in 2001

Bing/Mazzard/Steep Leader planted in 1998

Greg Johnson's Orchard, off of Doane Road

Sweetheart/G6/KGB, 10 years old

Lapins/G6/KGB (converted from central leader), 10 years old

Bing/G6/Spanish Bush planted in 1996

Hood River County Tour – December 13, 2007

Rod Laurence Orchard – 4845 Culbertson Road, Parkdale

Take Exit 64 off of I-84. Travel about 18 miles south on Highway 35. Turn right at the Mt. Hood Country Store. Drive about 2 miles to the blinking light. Go straight about 1 mile and turn Right on Culbertson Road. Orchard is on the left.

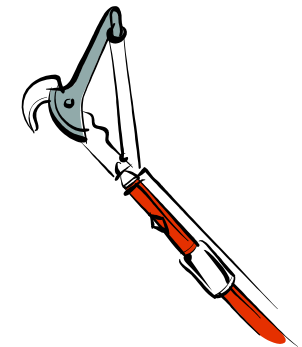
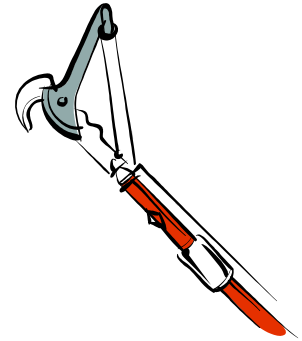
8:30 AM Lapins/Mazzard/Steep Leader planted in 1996

Eugene and Jennifer Euwer Orchard – Parkdale

Lapins/Mazzard/Central Leader planted in 2000

Skeena/G6/Central Leader planted in 2000

Regina/G6/Central Leader planted in 2006



Farm Succession Planning Workshop for The Mid-Columbia

The third in a series of Farm Succession and Estate Planning workshops for farm families will be held in The Dalles, Tuesday, January 8th. The workshop will be held from 11:30 am to 5:00 pm, in the 3rd Floor Lecture Hall in Building #2 at the Columbia Gorge Community College. This workshop will be a follow-up on sessions held this past year.

Topics will include tips for making the best use of appointments with an attorney, discussion on how to transfer non-titled property and important personal possessions, and what to do if there is a sudden death in the family. There will also be a discussion amongst workshop participants about what it takes to get started on farm succession planning and what has worked well for them in the process.

“We had an excellent response to the first workshops so it’s obvious that farm families recognize the importance of succession planning,” said Brian Tuck, educator for Oregon State University Extension. “We encourage everyone who attended the previous sessions to return and to bring their family members who have a vested interest in the farm. The workshops are open to everyone interested, even if they missed the earlier meetings.”

The Dalles workshop will also include a hosted lunch; pre-registration is required. For further information and to register please contact the Wasco County Extension Office at 541-296-5494.

For those who cannot make The Dalles Workshop, it will be repeated at the following locations:

Pendleton, OR – Wednesday, January 9 at 8:00 a.m..

Walla Walla, WA – Wednesday, January 9 at 4:00 p.m.

Spokane, WA – Tuesday, January 15 at 12:30 p.m.

Ritzville, WA – Wednesday, January 16 at 9:30 a.m.

Wenatchee, WA – Thursday, January 17 at 4:00 p.m.

Each workshop is four and a half hours long, and refreshments or a meal will be served.

Class Offered for Pesticide Applicators

A class for pesticide applicators will be offered on Thursday January 17, 2008. The class will be held from 8:00 am to 12:30 pm in the 3rd Floor Auditorium in Building #2 at the Columbia Gorge Community College in The Dalles. The class will count as “Core” credits for those who need the Core requirement for the license otherwise it will count as four hours of “other” certified hours. A private applicator can earn up to eight recertification hours per year.

The class is also designed for those wishing to obtain an applicators’ license, according to Brian Tuck, OSU Extension Agent from Wasco County. He says the class is a good refresher and noted that a representative from the Department of Agriculture will be on hand to administer the exams beginning at 1:30 pm.

The \$10 registration for the class is payable at the door but those wishing to take the exam need an extra \$20 plus a picture identification. Those needing to take the exam are requested to sign up with the Wasco County Extension Office by calling 541-296-5494.

The class is sponsored by the Wasco and Sherman County Extension Offices of Oregon State University.

Cherry Institute Agenda
JANUARY 11, 2008
YAKIMA CONVENTION CENTER

- 8:00 - 8:30** **Registration**
- 8:30 - 8:40** **Introduction & Welcoming Address**
Morgan Rowe, President, Cherry Institute
Cherry Institute Co-Moderators
Gwen-Alyn Hoheisel, WSU Extension, Prosser, WA
Mike Bush, WSU Extension, Yakima, WA
- 8:40 - 9:00** **New Orchard Systems and the Crop Load Management Strategies That Make Them Work.** *Matt Whiting, WSU- Prosser, WA*
- 9:00 - 9:30** **Variety and Rootstock Considerations for the Modern Orchard.**
Lynn Long, Oregon State University Extension
- 9:30 - 9:45** **Elections: Cherry Marketing & WA State Fruit Commission Positions.**
- 9:45- 10:05** **Consumer Preferences: What Makes a Quality Cherry?**
Matt Whiting, WSU- Prosser, WA.
- 10:55 - 10:20** **Break**
- 10:20 - 10:40** **An Evolving WSU Cherry Breeding Program- Rootstock Update.**
Jim Olmstead, WSU-Yakima, WA
- 10:40 -11:00** **Research Update: How to Reduce Pistil Doubling.**
Rolando Martin, WSU- Prosser, WA
- 11:00 -11:30** **Sustainable Human Resources Management:
Recruiting and Retaining a Multi-cultural Workforce in 2008 and Beyond.**
Jorge M. Estrada, Leadership Coaching International, Inc.
- 11:30- 1:30** **Luncheon Program (Probable Topic- WA Agriculture)**
- 1:30- 2:10** **2007 Cherry Marketing Overview-
Consumers Enjoyed Those Big, Healthy PNW Cherries.**
B. J. Thurlby, Andrew Willis & Keith Hu, WA State Fruit Commission
- 2:10- 2:30** **Brined Cherry Trends:
The Challenge of Global Sourcing and the NW Crop.**
Josh Reynolds, Grey & Company, Forest Grove, OR
- 2:30- 2:45** **Break**
- 2:45- 3:15** **What Moves the Needle:
Using TEAM to Assess Economic Impacts of Technology Adoption.**
Karen Lewis, WSU Extension, Ephrata, WA
Norman Suverly, WSU Extension, Okanogan, WA
- 3:15- 4:00** **Panel Discussion: Organic Cherry Production.**
Grower Panel Moderated by David Granatstein, WSU Extension, Wenatchee, WA
Panel: West Mathison, Stemilt- Wenatchee, WA; Dain Craver, Crop Consultant, Royal City, WA;
Harold Austin, Zirkle Fruit- Selah, WA
- 4:00 - 4:15** **Door Prize Drawing From Collected Evaluation Forms- Thank you!**

Oregon Horticulture Association Stone Fruit Section-January 29



Red Lion, Jantzen Beach, Portland

Co-Chairs:

Lynn E. Long, Oregon State University Extension Service

John Morton, Oregon Cherry Growers Cooperative

- 8:30 Orchard Floor Management Decisions
Impact Nutrient Cycling:
Helping Your Soils Feed Your Trees**
*Jennifer Moore-Kucera
OSU, Corvallis*
- 9:00 Cherry Production in Chile**
*Juan-Pablo Zoffoli
Pontificia Universidad Catolica de Chile, Santiago, Chile*
- 9:30 The Global Cherry Picture:
Production and Markets**
*Desmond O'Rourke
Belrose, Inc., Pullman, WA*
- 10:10 Coffee Break**
- 10:40 A Panel Discussion of Positive and Negative Experiences
Related to the H2A Guest Worker Program**
*Mike Gempler
Washington Grower's League, Yakima, WA*
- 11:20 How Pre-Harvest Management
Affects Post-Harvest Cherry Fruit Quality**
*Juan-Pablo Zoffoli
Pontificia Universidad Catolica de Chile, Santiago, Chile*
- 11:55 Adjourn for lunch**

2008 Hands-On Training for Spanish-Speaking Pesticide Handlers

Steve Castagnoli

Horticulture Extension Agent Hood River County

The Hands-on Pesticide Handler Training is scheduled for Saturday February 2, 2008 in Hood River. This training will be limited to 30 participants and I expect the demand will exceed the number of spaces. I will conduct a lottery to allocate spaces for the training. If you would like to sponsor one or more of your employees for the training, return the completed lottery entry form by December 14, 2007.

The Hands-on Pesticide Handler Training:

- is conducted in Spanish by trainers from the WSDA Farmworker Education Program
- provides interactive, hands-on learning activities
- is conducted in small groups with high trainer to trainee ratio
- provides effective training to unlicensed pesticide handlers*

During this day-long training, trainees participate in four modules covering five main topics:

- Personal Protective Equipment
- Respiratory Protection
- Mixing & Loading
- Clean Up
- Label Use

There will be a \$35 fee for the training, which will include lunch and refreshments. At the end of the training, participants will be issued a WPS Handler Training Verification Card (valid for five years) or recertification credits (if licensed) from ODA or WSDA.

I will notify you if your entry has been selected in the lottery or not. Registration materials will be mailed to successful applicants in mid-December. For more information, contact me at 541-386-3341, steve.castagnoli@oregonstate.edu.

**Pesticide handlers are employees who mix, load, or apply pesticides, or handle open pesticide containers and concentrate materials, or clean/repair pesticide contaminated equipment. Although this training is primarily designed to meet the needs of unlicensed handlers, this training may also be valuable to licensed applicators. It is not, however, a "pre-exam" training.*

Lottery Entry Form

2008 Hands-On Training for Spanish-Speaking Pesticide Handlers

YOUR NAME: _____

YOUR PHONE NUMBER: _____

How many trainees would you like to sponsor for the training? _____

Return form to:

OSU Extension Service
2990 Experiment Station Dr
Hood River OR 97031
Attn: Handler Training

Please note that the deadline for submitting the lottery form is December 14, 2007.

Do not include payment at this time.

Blue Mountain Horticulture Society Annual Research and Extension Meeting

February 5, 2008
Blue Mountain Community College
311 North Columbia
Milton-Freewater, OR

Agenda

- 8:00 am Introduction - Todd Davis, President BMHS
- 8:10 am Update on research trials in the Milton Freewater area - Clive Kaiser
- 8:40 am Control of Secondary Apples Insect Pests Including Woolly Apple Aphid - Betsy Beers, WSU
- 9:30 am Control of Leafroller and Lacanobia - Jay Brunner, WSU
- 10:20 am Alternative Control of Codling Moth including Nematodes and Carpovirusine -
Lerry Lacey - USDA Insect Pathologist
- 11:10 am Performance of New Insecticidal Chemistries for Codling Moth Control, their Impact on
Secondary Pests, Bees and other Beneficials - Helmut Riedl - OSU MCAREC
- 11:40 am CAMP Program Annual Report – Lyla Lampson, Lampson Consulting
- 12:10 pm LUNCH
(Address from Lucille McFarland, Washington-Oregon Prune Marketing Committee, Yakima)
- 1:00 pm The Pesticide Stewardship Program - Kevin Masterson, DEQ
- 1:30 pm Organic Apple Production - A grower's perspective - Martin Pitney
- 2:00 pm Cherry Rootstocks and Scions for the Milton-Freewater Area - Lynn Long, OSU
- 2:30 pm How to Grow Big Quality Cherries - Matt Whiting, WSU
- 3:00 pm Understanding Peach Twig & Peach Tree Borer - Mike Bush, WSU
- 4:00 pm Apple Maggot Eradication Program - Helmuth Rogg, ODA
- 5:00 pm Adjourn

Pesticide recertification credits will be available for Oregon, Washington, and Idaho (6). We expect a total of six credits for the day, although this is not yet confirmed. Details should be available at least one month prior to the event and will be posted on the Regional Events page of our website: <http://extension.oregonstate.edu/umatilla/mf/index.php>

OREGON STATE UNIVERSITY/WASCO COUNTY EXTENSION SERVICE

400 E. Scenic Drive
Suite 2.278
The Dalles, OR 97058

Phone: 541-296-5494
Fax: 541-298-3574
Email: lynn.long@oregonstate.edu

We're on the web!
<http://extension.oregonstate.edu/wasco/>