

HORT UPDATE

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Extension Horticulturist
Oregon State University

Coming Attractions

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November

Nov. 17	CORE Pesticide Training	Pine Grove Grange, Hood River
Nov. 17	Profit Seminar	CGCC, The Dalles, 6-9pm
Nov. 19	OR Tilth's 31 st Annual Fall Conference	Salem. www.tilth.org .
Nov. 22	Pesticide Workshop with CORE Trng.	CGCC, The Dalles
Nov. 30	SAIF Corp. Ag. Safety Seminar	Discovery Center, The Dalles. 9:30-3:00
Nov. 30	OSU's Keeping Farms in the Family Workshop	OSU Food Innovation Center, Portland

December

Dec. 5-7	WA State Hort Assoc. Annual Conf.	Wenatchee Conv. Center. www.wahort.org/
Dec. 8	OSU Cherry Pruning Tour	The Dalles. English 8:15, Spanish 1:15 pm
Dec. 12	Hood River County Pome Pruning Tour	Yakima

January

Jan. 11	SAIF Corp. Ag. Safety Seminar	HR Best Western. 9:30-2:00
Jan. 13	Cherry Institute	Yakima Convention Center, Yakima. 8:00-4:00
Jan. 31	Oregon Hort Society Stone Fruit Section	Red Lion, Vancouver, WA 8:30-12:00

February

Feb. 2	WCF&PL Mid-Columbia Cherry Day	Discovery Center. 8:00-12:30
Feb. 2	WCF&PL Annual Business Meeting	Discovery Center Café. 1:00
Feb. 14	OSU Winegrape Production Workshop	The Dalles. TBA

March

Mar 2&3	Pesticide Safety and Pre-License Trng. English & Spanish	CGCC Auditorium, The Dalles
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Wasco County Extension Seeks Service District

With the support of the Wasco County Court, the OSU Wasco County Extension Service will seek to establish a 4-H and Extension Service District. This is necessary due to declining county revenues. The Service District will allow the Extension Service to obtain stable funding and will remove us from Wasco County's general budget. Presently, just under half of the

Extension offices in Oregon counties operate under a service district. Voter approval is needed to establish the District. The question will be on the November 2006 ballot. Jim Woods, cherry grower from Mosier and Dufur is co-chair of the Political Action Committee that is leading the effort.

Cherry Information Available via E-mail

If you do not currently receive e-mail updates from me on cherry related programs and issues and would like to, please call the Wasco County Extension office at 541-296-5494 and provide your name, phone number and e-mail address.

This is an efficient way of providing you with relevant, up to date information, of events that may be of interest to you in the cherry world. I promise I will not flood your in box with spam, but will limit the messages to the topics most likely to interest cherry producers and industry personnel.

Wasco County Cherry Pruning Tour Thursday, December 8, 2005

The tour will start at 8:15 AM on December 8 with coffee and donuts at Dave Cooper's Orchard at 2270 Dry Hollow Rd. Take Exit 85 off of I-84. Cross the overpass, and then turn right at the 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 on Dry Hollow Road. Continue on Dry Hollow Road keeping right at the Y. Turn left into the driveway and follow the signs to the first stop.

The morning tour will be conducted in **English**. The tour will be repeated in **Spanish** in the afternoon, beginning at 1:15. This will be an opportunity for your Mexican workers to participate in their own language. Everyone is invited to either or both tours.

8:15 AM	Dave Cooper Orchard 2270 Dry Hollow Rd.	Coffee and Donuts
8:30 AM & 1:15 PM (Spanish)	Dave Cooper Orchard Dry Hollow Rd.	Central Leader Regina/G5 & 6 Central Leader Attika/G6
Stop # 2	Greg Johnson Orchard Three Mile Road	Modified Spanish Bush (KGB) Sweetheart/ Mazzard – 2 nd and 8 th leaf
Stop # 3	Mel Omeg Grossmiller Block Three Mile Rd.	Steep Leader Skeena/G6 – 6 th leaf Steep Leader Bing/Maz - Mature

Pesticide Training in Hood River, November 17

A Core pesticide training session will be offered at the Pine Grove Grange, south of Hood River on Hwy 35, on Thursday, November 17. Coffee and donuts will be provided at 8:00 am. The training session will run from 8:30 am to 12:10 pm. Four hours of Oregon and Washington recertification credit will be available for the training session, which is offered at no charge to participants. For more information about the Core training, call the OSU Extension Service Office in Hood River at (541) 386-3343.

Pesticide Training in The Dalles, November 22

A pesticide workshop designed to assist both the experienced applicator and those wishing to obtain their applicator's license will be offered Tuesday, November 22, at the Columbia Gorge Community College Auditorium. The program is scheduled to begin at 8:30 am and run until 1 pm.

The class has been approved for five hours of recertification credits. Four hours may be counted as Core credits. If an applicator has already participated in a Core class, the session will count for five hours of "other" certified pesticide safety training.

Following the class, there will be an exam proctor available to offer any of the state certification exams for pesticide applicators.

A \$5 registration fee will be collected at the door. Participants are asked to pre-register by contacting the Wasco County Extension Office (296-5494) or the Sherman County Extension Office (565-3230) by November 18.

Pesticide Safety and Pre-license Training Offered in English/Spanish

There will be another opportunity to participate in pre-license training in early March. Pesticide safety and pre-exam training classes will be offered on March 2 and 3 in English and Spanish. These classes will be held at the Columbia Gorge Community College auditorium in The Dalles. More details will be available at a later date.

Hood River County Pruning Tour

On December 12th, the Hood River Pruning Tour will be heading out of the county to the Yakima area to visit several high-density pear and apple orchards. These will include established and recently planted blocks. This tour will also be an opportunity to see examples of different orchard platforms being used for pruning.

Tour details are still being worked out and will be available at a later date. I will update everyone on my cherry e-mail mailing list when more information is available. An early departure from Hood River is anticipated with a late afternoon return. Transportation may be available for a limited number of riders at relatively low cost. If you're interested in a ride contact Steve Castagnoli at 386-3343, or by email:

steve.castagnoli@oregonstate.edu.

'Keeping Family Farms in the Family' Seminar Offered by OSU

There are few issues more challenging to the family farm than how to pass the farm on to the following generation. Today, 95% of Oregon's small landowners are 65 or older. Many small landowners want to preserve their family lands but don't know how to involve family members in ownership and operation of their small land-based businesses. Lawyers and accountants are skilled at addressing technical aspects of inter-generational transition through business and legal mechanisms, including trusts, estates, and family corporations. But for families, the real challenge may not be technical issues, but communication. Without informed communication, personal relationships and family emotions may prevent full and honest exploration of the options, and families may fail to meet their goal of passing the land on intact. This

Forum explores the human side of estate planning, focusing on ways to maintain family ties to the land from generation to generation. The Forum will build awareness of key challenges facing family businesses and motivate families to address them. Practical exercises will teach families necessary tools to address tough issues. Participants will learn techniques for helping families bridge communication gaps.

The Forum will be held November 30, 8:00 AM – 12:00 PM at the OSU Food Innovation Center, 1207 NW Naito Parkway in Portland. The cost is \$35 for the first person and \$10 per additional family member. Register online at: http://www.familybusinessonline.org/programs/workshop_calendar.aspx?#111.

SAIF Corporation Holds Ag Safety Seminars

SAIF Corporations 11th annual agricultural safety seminar for Oregon employers will be held in The Dalles at the Discovery Center, November 30, 2005 from 9:30 am to 2:00 pm. Free lunch will be provided.

The free four-hour seminar is designed primarily for owners, operators, supervisors, and foremen. Small employers attending the seminar will meet one of the four instructional requirements for House Bill 3019 that exempts small agricultural establishments from random OSHA inspections.

Topics of discussion include:

- Farm Vehicle Safety and Compliance
- Communicating Safety to Farm Employees
- Drug Awareness

Early registration is required by calling 1-800-285-8525 or e-mailing agseminar@saif.com with names of those attending, business and e-mail addresses and phone number.

Wasco County Receives Disaster Declaration

Wasco County recently received disaster designation as a result of losses caused by excessive rain and frost occurring during the March 1 – May 31, 2005 time period. Clackamas, Gilliam, Hood River, Jefferson, Marion, Sherman, and Wheeler Counties are contiguous to Wasco, and carry a contiguous designation as a result.

The Farm Service Agency can now accept Emergency loan applications from farmers and ranchers in these counties who have suffered qualifying losses as a direct result of the excessive rain and frost during this time period.

Contact Jim Bishop at The Dalles FSA office at 541-298-8559 x 110 for more information.

New Cherry Horticulture Information on the Web

I have posted to my website a number of new cherry variety and training system articles that I recently wrote. Hopefully, these will be of use to you as you make variety and training system decisions in the future. To access the articles go to: <http://extension.oregonstate.edu/wasco>.

The following articles have been added.

Under the “**Cultivars**” link:

Evaluation of Sweet Cherry Cultivars and Advanced Selections Adapted to the Pacific Northwest, USA

- 2005 Cemetery Block Variety Evaluation
- Five Most Important Attributes of Sweet Cherries and the Varieties that Fill These Needs
- A Horticultural Review of New Sweet Cherry Varieties
- Consumer Sensory Evaluation of Sweet Cherry Cultivars in Oregon

Under the “**Pruning and Training**” link:

- Sweet Cherry Training Systems: Current Practices in North America and Europe

Under “**Cherries Around the World**” link:

- Turkey: The Sleeping Giant Awakens

Under “**Research Reports**”

- 2000-2005 Cemetery Block Variety Trial Reports

Research Highlights of the 5th International Cherry Symposium, Turkey

‘0900 Ziraat’

Nearly 100% of export cherries grown in Turkey are ‘0900 Ziraat’. This cherry is being marketed in the U.S. by one nursery as ‘Zing’. My observations of this cherry both in Turkey and the Cemetery Block variety trial in The Dalles is that it is an excellent quality cherry, late blooming, mid- to late-season harvest, about 7 days after ‘Bing’, with very good flavor and good firmness.

Best Pollinizers for ‘0900 Ziraat’ in Turkey

K. Kaynaş, M. Şeker, Z. Yücel and T. Alkan

Fourteen varieties were tested to determine best pollinizer for ‘0900 Ziraat’.

Interestingly, although ‘0900 Ziraat’ blooms late, some of the best pollinizers for this cherry turned out to be mid-season bloomers such as ‘Lapins’ and ‘Van’. The length of bloom for ‘0900 Ziraat’ was 12-15 days. The following listed pollinizers were the best performers.



Variety	Fruit set %	Bud Burst	Petal Fall
Starks Gold	28.3	3/22	4/7
Lapins	29.4	3/15	4/7
Lambert	29.2	3/15	4/10
Van	28.1	3/21	4/7

Research Highlights of the 5th International Cherry Symposium, Turkey ..cont.

Effect of Some Clonal Rootstocks on Growth and Earliness of '0900 Ziraat' Sweet Cherry Cultivar

M. Burak, M.E. Akçay and E. Yalçinkaya

- '0900 Ziraat'/Weiroot 158 – nearly 50% mortality.
- '0900 Ziraat'/Gisela 5 – 94% survival
- '0900 Ziraat'/MaxMa 14 nearly same size tree as Mazzard.

Literature Review: Reactions of Gisela Rootstocks to Pathogens

S. Franken-Bembenek

- Bacterial Canker: Trees on Gisela rootstocks exhibited increased susceptibility in the orchard. (Thornton and Nugent, 2002).
- Crown Gall: In contaminated soil, 7 year-old grafted trees on Gisela 5 & 6 were not infected, whereas trees on Mazzard F12/1 were heavily infected. (Schmidt, 1989).
- Armillaria Root Rot: Inoculated 1 year-old ungrafted Gisela 6 plants were susceptible (similar incidence as Mahaleb, Gisela 12 was more susceptible than Gisela 6. (Proffer et al., 1988)
- Root lesion nematode: Ungrafted, unstressed 1 year-old Gisela 6 plants demonstrated some resistance to *P. penetrans*.
- Root knot nematode: In field observations of grafted mature trees Gisela 5 was slightly less susceptible than Mazzard F12/1. (Bosshard, 2004)
- Western X disease: Young, ungrafted inoculated plants of Gisela 5 were more affected than Mazzard F12/1, with slightly higher mortality. (Kison and Seemueller, 2001).

Performance of Gisela Rootstocks in Six High-Density Sweet Cherry Training Systems in Northeastern U.S.

T.L. Robinson, R. Andersen and S. Hoying

- Winter damage in January affected G6 more than G5.
- The buds of 'Regina' trees grafted onto Gisela rootstock survived very well.
- The buds of 'Sweetheart' trees grafted onto Gisela rootstock survived poorly.
- The buds of 'Lapins' trees grafted onto Gisela rootstock survived poorly.
- 'Regina' on G12 is intermediate in size between G6 and Mazzard.
- There was not a big difference in fruit size among the 6 training systems although Slender Spindle had slightly higher fruit size than others. Spanish Bush was a little smaller probably due to lower light intensity in New York.
- The Spanish Bush and the Marchant system had the lowest soluble solids, which likely was the result of dense canopies and shade within the canopy.
- The Slender Spindle and the V-systems had the best combination of high yield, fruit size and soluble solids.

The Effect of Irrigation, Gibberellic Acid and Nitrogen on the Occurrence of Double Fruit in 'Van' Sweet Cherry

H. Engin and A. Ünal

- Under field conditions the percentage of double fruits was not increased by drought stress.
- A gibberellic acid application and a combination of GA and nitrogen application decreased double ovaries and the subsequent percentage of double fruit.
- 'Bing' and '0900 Ziraat' had about the same amount of doubling.

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