



University of California ≈ Cooperative Extension
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Orchard Notes

DECEMBER 2007/JANUARY 2008

SAVE THESE DATES

January 17, 2008	8:30 am – noon	Sacramento Valley Cling Peach Day
February 27, 2008	1:00-4:00 pm	Sutter/Yuba/Colusa Walnut Day
February 28, 2008 (backup March 3, 2008)		Walnut training/pruning workshops, Conventional and hedgerow

February meeting agendas will be in the February 2008 Orchard Notes.

For pruning meeting, I'm still looking for more potential sites for conventional 1-3 year old orchards and 2-3 year old hedgerows. Please call me at 822-7515 if you're interested.



CHILLING HOURS UPDATE

December 18, 2007	270	2007-08	?
December 19, 2005	380	2005-06	780
December 20, 2004	336	2004-05	994
December 19, 2003	293	2003-04	886
December 20, 2002	275	2002-03	779

Chilling hours recorded for hours below 45° F model at our office in Yuba City on Garden Highway starting November 1. The chilling units for the same model on 12/18/07 at the Nicolaus Cimis station where it is consistently cooler were 351.

SCALE CONTROL IN KIWIFRUIT – RESEARCH and MATERIAL UPDATE

The three armored scales that attack the bark, leaves, and fruit on kiwifruit are greedy scale (*Hemiberlesia rapax*), oleander scale (*Aspidiotus nerii*) and latania scale (*Hemiberlesia lataniae*). Most kiwifruit growers apply annual dormant sprays to avoid fruit infestation.

In 2006, I conducted a study with Agricultural Advisors, Inc. testing organically acceptable oils in a kiwifruit vineyard with a moderate population of oleander scale. In this trial, a fruit with one or more scale was considered infested and are presented as % infested fruit at harvest in table 1. At harvest, 54% of the fruit was infested with oleander scale in the untreated check. The scale infestation in all of


the experimental oil treatments was significantly lower than in the untreated check. All oil treatments even at higher rates were not significantly different from each other. No phytotoxicity was observed with any of the experimental treatments.


Table 1. Percent oleander scale infested fruit at harvest on October 31, 2006


Treatment	Rate gal/acre	Application date	% infested fruit at harvest
Omni Supreme Oil	4.0	25 Feb	27.3 b
Omni Supreme Oil	6.0	25 Feb	27.3 b
PureSpray Green	4.0	25 Feb	24.0 b
PureSpray Green	6.0	25 Feb	34.0 b
Untreated Check			54.0 a


Means followed by the same letter are not significantly different (Duncan's Multiple Range Test, P = 0.05).

Material status: The status of the spray materials available to growers is somewhat confusing and in a state of flux. Here is the present status:

 For **organic growers**, the emergency 24(c) for the organically acceptable Omni Supreme Spray oil for scale control in kiwifruit will expire on February 11, 2008. Applications of Omni Supreme Spray oil must be applied **before that date**. The California Kiwifruit Commission has contacted the registrant seeking the possibility of registering this product for state use.

 The organically acceptable oil PureSpray Green, a product of Petro Canada, is registered for scale control on kiwifruit in California for both organic and conventional growers.

 In summary, **conventional growers** have the organophosphate Supracide or the oil PureSpray Green available for scale control in 2008. **Organic growers** can use either Omni Supreme Spray oil before February 11, 2008 or PureSpray Green.

 The scale spray should be applied before budbreak.



PEACH and WALNUT PEST MANAGEMENT

To implement integrated pest management (IPM) and more sustainable practices in peach and walnut orchards simply go to the IPM website at <http://ipm.ucdavis.edu>. During the November 2007 continuing education meetings, we demonstrated how to use the Year-Round IPM Programs and Pest Management Guidelines online and how to print the Year-Round IPM Annual Checklists for pest monitoring and management throughout the seasons. Hard copies of the Peach and Walnut Year-Round Checklist are available at our office for those without internet access.

Thank you all for your support of our programs this past year. A special thank you to cooperators on research projects and educational programs - I very much appreciated your efforts and contributions. May 2008 be a prosperous year for you.

JANINE HASEY, U.C. FARM ADVISOR

13th ANNUAL SACRAMENTO VALLEY CLING PEACH DAY

Thursday, January 17, 2008, 8:30 a.m. – 12:00 noon

Lunch 12:00 – 1:00 p.m., Agricultural Building, 142 Garden Highway, Yuba City

MEETING PROGRAM

8:30 a.m. Registration, Refreshment, *Courtesy of Big Valley Ag Services*

8:55 a.m. Welcome, *Janine Hasey, UC Farm Advisor, Sutter and Yuba Counties*

LABOR SAVING STRATEGIES

MECHANICAL THINNING IN CLING PEACH, 2005 AND 2007, AND FUTURE PLANS

Kitren Glozer, Associate Project Scientist, UC Davis

ADVANCED PROCESSING PEACH SELECTIONS FROM THE UCD BREEDING PROGRAM

Tom Gradziel, Pomologist, UC Davis

PEST MANAGEMENT/NUTRITION

NEW INSECTICIDES AND MITICIDES FOR TREE FRUIT/ PEACH TWIG BORER SPRAY TIMING

Janine Hasey, UC Farm Advisor, Sutter and Yuba Counties

CALIFORNIA CLING PEACH BOARD BUSINESS SESSION

BREAK 10:30 AM

UPDATE ON DORMANT SPRAY REGULATIONS, RESPIRATOR LAWS, AND RECYCLING

Jan Kendel, Ag Biologist, Sutter County Agricultural Department

AVOIDING FUNGICIDE RESISTANCE,

Jim Adaskaveg, Plant Pathologist, UC Riverside

MANAGING NITROGEN AND ZINC NUTRITION IN PEACHES

Scott Johnson, UC Extension Specialist, Kearney Ag Center

LUNCH

12:00 Noon - Chicken lunch provided by California Cling Peach Board. Please RSVP to the Sutter/Yuba Extension office at (530) 822-7515 by Thursday January 10th if you plan to stay for lunch. You may also fax to (530) 673-5368 or email: pabagley@ucdavis.edu to have your name put on the list for lunch.

MEETING SPONSORED BY UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION, SUTTER & YUBA COUNTIES

CO-SPONSOR – SUTTER COUNTY AGRICULTURAL DEPARTMENT

PCA and Private Applicator Credit Pending – 1.5 hrs, includes .5 hr of regs
CCA Credit Approved – 2.5 hrs

*13th Annual Sacramento Valley Cling Peach Day
Thursday, January 17, 2008*