



Cooperative Extension ~ University of California
Sutter/Yuba Counties
142A Garden Highway, Yuba City CA 95991
Tel: (530) 822-7515 ~ Fax: (530) 673-5368

Orchard Notes

May-June 2004

FIELD MEETING

FASTER SHOOT STRIKE AND WEBSPINNING MITE MONITORING TECHNIQUES FOR PEACHES

FOR DETERMINING TREATMENT THRESHOLDS FOR WORMS AND MITES

TUESDAY, MAY 25, 2004, 9:00 A.M. – 11:00 A.M.

HUNDAL FARM, GEORGE WASHINGTON BLVD & BEST ROAD
YUBA CITY (SEE MAP)

We will discuss and demonstrate new monitoring techniques that are much faster than standard monitoring methods for mites and shoot strikes while still being accurate. Monitoring for shoot strikes is especially important in orchards using pheromone mating disruption to ensure it is working. You will learn thresholds levels where supplemental treatments are needed.

TIME SAVING MONITORING FOR SHOOT STRIKES

Comparison of the standard shoot strike monitoring method with the new "count" technique

Janine Hasey, UC Farm Advisor, Sutter and Yuba Counties

TIME SAVING MONITORING FOR MITES

Comparison of the presence/absence mite monitoring method to a 5-minute time search

Walt Bentley, UC IPM Advisor, Kearney Ag Center

Sponsors

*University of California Cooperative Extension, Sutter and Yuba Counties
University of California Integrated Pest Management*

2 hours of PCA and private applicator CE credit have been approved

IRRIGATION MEETINGS

Two irrigation meetings are scheduled for June 3, 2004 – a workshop in the morning using evapotranspiration to schedule irrigations followed by a field meeting in the afternoon on monitoring walnut trees to determine irrigation needs.

HANDS-ON IRRIGATION WORKSHOP: SIMPLIFIED APPROACH TO SCHEDULING IRRIGATIONS IN TREE CROPS FOR MAXIMUM PROFIT

JUNE 3, 2004, 8:30 – 10:30 A.M.

**AGRICULTURAL BUILDING, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION,
142A GARDEN HWY., YUBA CITY CA 95991**

Maximizing your profit means irrigating at the right time and applying the right amount of water to optimize yield and quality. In today's economy, high yield and quality are the key to survival. We are holding a workshop to present information on determining when to irrigate and how much water to apply. Participants will learn what affects crop water use or evapotranspiration, how evapotranspiration affects crop yield, how to develop an irrigation schedule that maximizes crop yield and thus profit, and how to monitor soil moisture to evaluate your irrigation practices. A step-by-step procedure will be presented on developing an irrigation schedule. Workshop participants will receive a handout, which contain the pertinent information for developing an irrigation schedule and monitoring soil moisture. We will also discuss irrigating young trees.

While there is no registration fee for the workshop participants are encouraged to pre-register by calling (530) 822-7515 or e-mail pabagley@ucdavis.edu, attendance will be limited to 45 people.

8:30 – 10:30 a.m. Maximizing Profit through Irrigation Water Management of Tree Crops

Moderator: Janine Hasey, *UC Farm Advisor, Sutter and Yuba Counties*

Instructor: Blaine Hanson, *UC Davis Irrigation Specialist*

- Fundamental concepts on crop water use or evapotranspiration
- Developing an irrigation schedule for tree crops
- Monitoring soil moisture
- Irrigating Young Trees

2 hours of CCA credit are pending

Sponsors

*University of California Cooperative Extension, Sutter/Yuba Counties
Department of Land, Air and Water Resources, University of California, Davis*

FIELD MEETING

IRRIGATING WALNUT ORCHARDS USING PLANT & SOIL BASED MEASUREMENTS

THURSDAY, JUNE 3, 2004, 1:00 P.M. – 2:30 P.M.

SANBORN WALNUT ORCHARD

HIGHWAY 20 & FARMLAN ROAD, EAST OF MERIDIAN.



The orchard is on the north side of Highway 20. Park along the road going north as indicated by yellow UCCE signs.

Bruce Lampinen, Orchard Systems Specialist from UC Davis and Janine Hasey, UC Farm Advisor, will demonstrate using a pressure chamber as a tool for irrigation scheduling and water management. We will also demonstrate the use of soil moisture blocks for measuring water penetration and monitoring the water table.

1.5 hours of CCA credit are pending

TREE LOSS CALCULATOR

Over the years, many growers have asked for the value of individual trees or vines lost for various reasons such as shaker damage, storm damage, easements, fires, or hit by cars. To answer these requests, Karen Klonsky, Cooperative Extension Farm Management Specialist, and her assistant, Pete Livingston, have written a tree/vine loss calculator in Excel.

Now they have put the tree/vine loss calculator on the Department of Agricultural and Resource Economics website. Not only are the Excel spreadsheets downloadable, but they also used the most recent cost studies to create spreadsheets for 20 tree and vine crops. Please be aware that those values are based on estimated costs and expected revenue, and growers should use their own numbers where possible. You can access the spreadsheets at: <http://www.agecon.ucdavis.edu/outreach/treevinecalc.htm>. Also, cost studies

are available at

<http://coststudies.ucdavis.edu/Costlist.htm>.

PEACH REFERENCE DATE

The peach reference date was set as May 9 for 2004, which is very early, so harvest should also end early this year. In 1997, the reference date was May 12 and harvest was finished on August 28. That year there was a size problem. Keep that in mind when you're thinning and adjust the crop load accordingly.

LEAF ANALYSIS

Make arrangements in June to take leaf samples in July for leaf analysis. This relatively inexpensive test is key to determining the nutritional status of an orchard. You can fine tune your fertilizer program to correct any nutrient deficiencies or excesses.

WALNUT RESEARCH REPORTS

We now have the 2003 Walnut Research Reports available on CD from our office. These are courtesy of the Walnut Marketing Board. Just come in and pick one up.

PEST MANAGEMENT UPDATE

To get the latest on insect development in our area, you can subscribe to my Pest Tracker either online at our website or to

JANINE HASEY
UC FARM ADVISOR
jkhasey@ucdavis.edu

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my email. It is also posted weekly on Wednesdays in our front office.

GET NEWSLETTERS ONLINE

Remember, you can subscribe to this newsletter on line at our website at <http://cesutter.ucdavis.edu>. You will receive the newsletter as soon as it is posted on the website, much faster than through the mail.

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TIME SAVING MONITORING FOR SHOOT STRIKES AND MITES (LOOK FOR UC SIGNS)