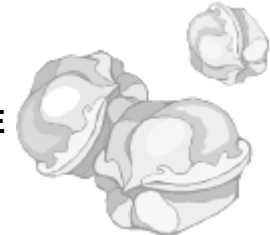




Cooperative Extension ~ University of California  
Sutter/Yuba Counties  
142A Garden Highway, Yuba City CA 95991  
Tel: (530) 822-7515 ~ Fax: (530) 673-5368

# Orchard Notes

**SUTTER/YUBA/COLUSA WALNUT DAY**  
**TUESDAY, FEBRUARY 17, 2004**  
**1:00 TO 4:00 P.M.**  
**VETERANS MEMORIAL HALL, 1425 CIRCLE DRIVE**  
**YUBA CITY, CA**



12:30 P.M. REGISTRATION

## **PROGRAM**

WELCOME: JANINE HASEY

MODERATOR: JOHN EDSTROM, UC FARM ADVISOR, COLUSA COUNTY

## **DISEASE UPDATES**

1:00 P.M. LOOKING BACK AT THE 2003 WALNUT SEASON & FORWARD TO 2004  
JANINE HASEY, UC FARM ADVISOR, SUTTER & YUBA COUNTIES

1:20 P.M. PHYTOPHTHORA ROOT & CROWN ROT MANAGEMENT- UPDATE AND USE OF PHOSPHONATES  
GREG BROWNE, USDA PLANT PATHOLOGIST, UC DAVIS

1:50 P.M. NEW IDEAS IN BLIGHT CONTROL & CROWN GALL UPDATE  
BILL OLSON, UC FARM ADVISOR, BUTTE COUNTY

2:30 P.M. BREAK – REFRESHMENTS COURTESY OF GROWER'S AG SERVICE

## **REGULATORY UPDATES**

MODERATOR: JANINE HASEY

2:50 P.M. AG WAIVERS, WHAT ARE THEY AND WHO DO THEY IMPACT?  
LARRY SCHWANKL, IRRIGATION SPECIALIST, UC DAVIS

3:20 P.M. REGULATORY UPDATES AND OIL RECYCLING PROGRAM  
JAN KENDEL, BIOLOGIST, SUTTER COUNTY AGRICULTURE DEPARTMENT

## **MARKETING**

3:35 P.M. WALNUT MARKETING BOARD AND WALNUT COMMISSION ACTIVITIES UPDATE  
DENNIS BALINT, CEO, WALNUT MARKETING BOARD

4:00 P.M. ADJOURN

## **SPONSORED BY**

THE UNIVERSITY OF CALIFORNIA  
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PCA AND PRIVATE APPLICATOR CREDIT – 3 HOURS, INCLUDES 1 HOUR REGULATIONS

# **MANAGING LABOR COSTS SEMINAR**

**FEBRUARY 12, 2004, 9 AM TO NOON**

**AGRICULTURAL BUILDING, 142A GARDEN HWY., YUBA CITY CA 95991**

**YOU CAN STILL REGISTER FOR THIS MEETING.** Registration cost is \$28.00 per person and registration fees include a copy of the book *Labor Management in Agriculture: Cultivating Personnel Productivity*, (2<sup>nd</sup> edition). To register for the Managing Labor Costs Seminar, please call our office at 822-7515.

## **ORGANIC SOIL FERTILITY SEMINAR**

**TUESDAY, FEBRUARY 24, 2004**

**9:00 A.M. –11:30 A.M.**

**AGRICULTURAL BUILDING, 142 GARDEN HIGHWAY, YUBA CITY**

ARE YOU GROWING YOUR TREE OR VINE CROP ORGANICALLY OR IS IT IN THE TRANSITION PERIOD? IF YOU ARE AN ORGANIC GROWER, YOU WILL WANT TO ATTEND THIS SEMINAR. THE SPEAKERS HAVE CONSIDERABLE EXPERIENCE WITH ORGANIC PRACTICES RELATING TO SOIL FERTILITY. COME WITH YOUR QUESTIONS. THERE WILL BE PLENTY OF TIME FOR DISCUSSION.

**MODERATOR** – JANINE HASEY, *UC FARM ADVISOR, SUTTER AND YUBA COUNTIES*

◆ **THE BASICS OF ORGANIC SOIL MANAGEMENT**

MARK VAN HORN, *Director of the Plant Science Teaching Facility and Student Farm, UC DAVIS*

AN OVERVIEW OF CONSIDERATIONS AND CHOICES AVAILABLE TO THE ORGANIC CROP PRODUCER FOR MANAGING SOIL FERTILITY, INCLUDING THE ROLES OF SOIL AMENDMENTS, COMPOSTS, MANURES AND COVER CROPS.

◆ **THE ROLE OF SOIL AND PLANT TESTING IN DEVELOPING A FARM NUTRIENT MANAGEMENT PROGRAM**

ROLAND MEYER, *EXTENSION SOIL FERTILITY SPECIALIST, UC DAVIS*

GUIDELINES FOR TAKING SOIL AND PLANT SAMPLES AND INFORMATION ON HOW TO INTERPRET AND USE SOIL (AND PLANT) TEST RESULTS AS A MEANS OF DETERMINING WHICH AMENDMENTS OR FERTILIZERS ARE NEEDED AND HOW MUCH SHOULD BE USED.

# WALNUT TRAINING & HEDGING FIELD MEETING

THURSDAY, MARCH 4, 2004

1:00 P.M. WALNUT TRAINING, GILBERT ORCHARDS

2:30 P.M., TULARE HEDGEROW SYSTEMS, WHITNEY WARREN RANCH

WHEATLAND RIO OSO ROAD

(SEE MAP ON BACK PAGE FOR DIRECTIONS AND INSTRUCTIONS)

THANK YOU TO THOSE WHO RESPONDED WITH INTEREST TO MY REQUEST ON HOLDING A WALNUT TRAINING MEETING. THERE WAS ALSO INTEREST IN WALNUT HEDGEROW TRAINING SYSTEMS. WITH THE HELP OF JACK GILBERT (GILBERT ORCHARDS) AND JOE CONANT (WHITNEY WARREN RANCH), WE HAVE ARRANGED TWO FIELD MEETINGS ON MARCH 4 TO COVER THESE TOPICS.

◆ **1:00 P.M. TRAINING TWO YEAR OLD CHANDLER AND VINA TREES IN A CONVENTIONAL PLANTING AND RETRAINING TREES THAT HAVEN'T GROWN WELL.** THE SITE IS ALSO A TRIAL COMPARING OWN-ROOTED TREES TO PARADOX ROOTED TREES. JANINE HASEY WILL DEMONSTRATE TRAINING TREES AND DISCUSS THE OWN-ROOTED PLOT.

PARK AT BEAR RIVER ALMOND HULLING COOPERATIVE AT 4515 WHEATLAND ROAD (LOOK FOR YELLOW UC MEETING SIGNS). WE WILL PROVIDE TRANSPORTATION INTO THE ORCHARD AT 1:00 P.M. SO PLEASE BE ON TIME. OUR PLANS ARE TO RETURN TO THE HULLER AT 2:30 P.M. TO DROP OFF THOSE NOT INTERESTED IN SEEING THE TULARE HEDGEROW AND PICKING UP THOSE WHO ARE.

◆ **2:30 P.M. TULARE HEDGEROW PLANTINGS.** WE WILL VIEW 3-YEAR OLD (18'X 24') AND 12-YEAR OLD (12.5'X 24') TULARE HEDGEROW PLANTINGS. JOE CONANT AND JANINE HASEY WILL DISCUSS TRAINING AND MECHANICALLY PRUNING HEDGEROW ORCHARDS. WE WILL ALSO DISCUSS MECHANICALLY HEDGING CONVENTIONAL ORCHARDS TO SAVE ON LABOR COSTS.

FOR THOSE JUST COMING TO THIS PART OF THE MEETING, PLEASE BE ON TIME. WE WILL PROVIDE TRANSPORTATION INTO THE ORCHARDS FROM THE HULLER AND WILL NOT LEAVE EARLIER THAN 2:30 P.M. HOWEVER, WE MAY ARRIVE BACK A LITTLE LATER THAN OUR ESTIMATED 2:30 P.M. TIME FROM OUR FIRST MEETING. WE HOPE TO RETURN TO THE VEHICLES AROUND 4:00 - 4:15 P.M.

(IN THE EVENT OF RAIN, PLEASE CALL OUR OFFICE AT 822-7515 FOR FURTHER INSTRUCTIONS)

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## CHILLING HOURS UPDATE

February 2, 2004	713	Oct.31, 03 -	?
January 31, 2003	569	Oct.31, 02 - Feb.28, 03	779
February 4, 2002	629	Oct. 1, 01 - Mar 1, 02	761

Chilling hours recorded at our office in Yuba City on Garden Highway. Chilling hours below 45° F model. The 2001-02 and 2002-03 seasons were low chill years.

## **FUNGICIDE EFFICACY & TREATMENT TIMING TABLE**

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Fungicide efficacy and treatment timing tables for Peach and Nectarine are attached for your reference. They will help answer your questions as to how effective a particular fungicide is for a disease and when to apply it. There are also guidelines for other tree crops and grapes and a table on fungicide properties to help you plan your fungicide program to manage resistance. They are available from the following websites: UC Kearney Agricultural Center: <http://www.uckac.edu/plantpath/> or UC Davis Dept. of Plant Pathology: <http://www.plpnem.ucdavis.edu/PLP/Index.htm>. The report was produced by UC Plant Pathologists, Jim Adaskaveg, Themis Michailides, and Doug Gubler and UC Farm Advisor Brent Holtz.

### **ORIENTAL FRUIT MOTH TIME**

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February is here and it is time to prepare for the first flight of oriental fruit moth (OFM). The biofix (first moth) for Sutter County was March 5 in 2003 and February 22 in 2002. OFM traps should be hung by the third week of February to detect the first moth. To manage insecticide resistance, reduce insecticide sprays and encourage long-term population reduction, consider using pheromone mating disruption this season.

Last year I compared several different OFM mating disruption programs including pheromone dispensers, sprayable pheromone and combinations of sprayable pheromone plus pyrethroid sprays. In the orchards with either a low or moderate population of OFM, all the mating disruption or combination mating disruption plus spray programs worked well. In the orchard with a high OFM population, a supplemental spray needed to be applied either mid or late season where only pheromone mating disruption was used. However, instead of applying the usual three sprays, only one was used so insecticides were greatly reduced. This study supported our general recommendation that pheromone mating disruption works well in low to moderate OFM population orchards but is not a stand alone treatment where populations are high. In these orchards, a supplemental spray is usually needed. Where only mating disruption was used and

no supplemental sprays were needed, the cost of using this program was about \$30.00 an acre more than the standard three pyrethroid spray program. If you decide to use mating disruption this season, plan to apply either OFM pheromone dispensers or sprayable pheromone at first moth or by early March. Please call me if you would like a copy of the mating disruption report submitted to the California Cling Peach Board or to discuss this further.

### **ORGANIC KIWIFRUIT GROWERS NOTE**

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An emergency 24(c) for the organically acceptable Omni oil for scale control in kiwifruit will be approved on February 11, 2004. Growers may contact Barbara Windmiller of the California Kiwifruit Commission on or after February 11 to confirm approval of the 24(c). Her number is 559-638-5951 or cell number 559-906-4687. Oil sprays should be applied before budbreak.

### **CLINGSTONE PEACH SELECTIONS AVAILABLE**

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At my recent Cling Peach Day meeting in January, Tom Gradziel, Pomologist from UC Davis, discussed several new cling peach selections from his breeding program ranging from ultra-early to extra-late. These trees were selected for good production characteristics but true yield potential is unknown. If you are interested in a test planting of 30-50 trees or want more information, you can either contact Tom at 530-752-1575 or me at 822-7515.

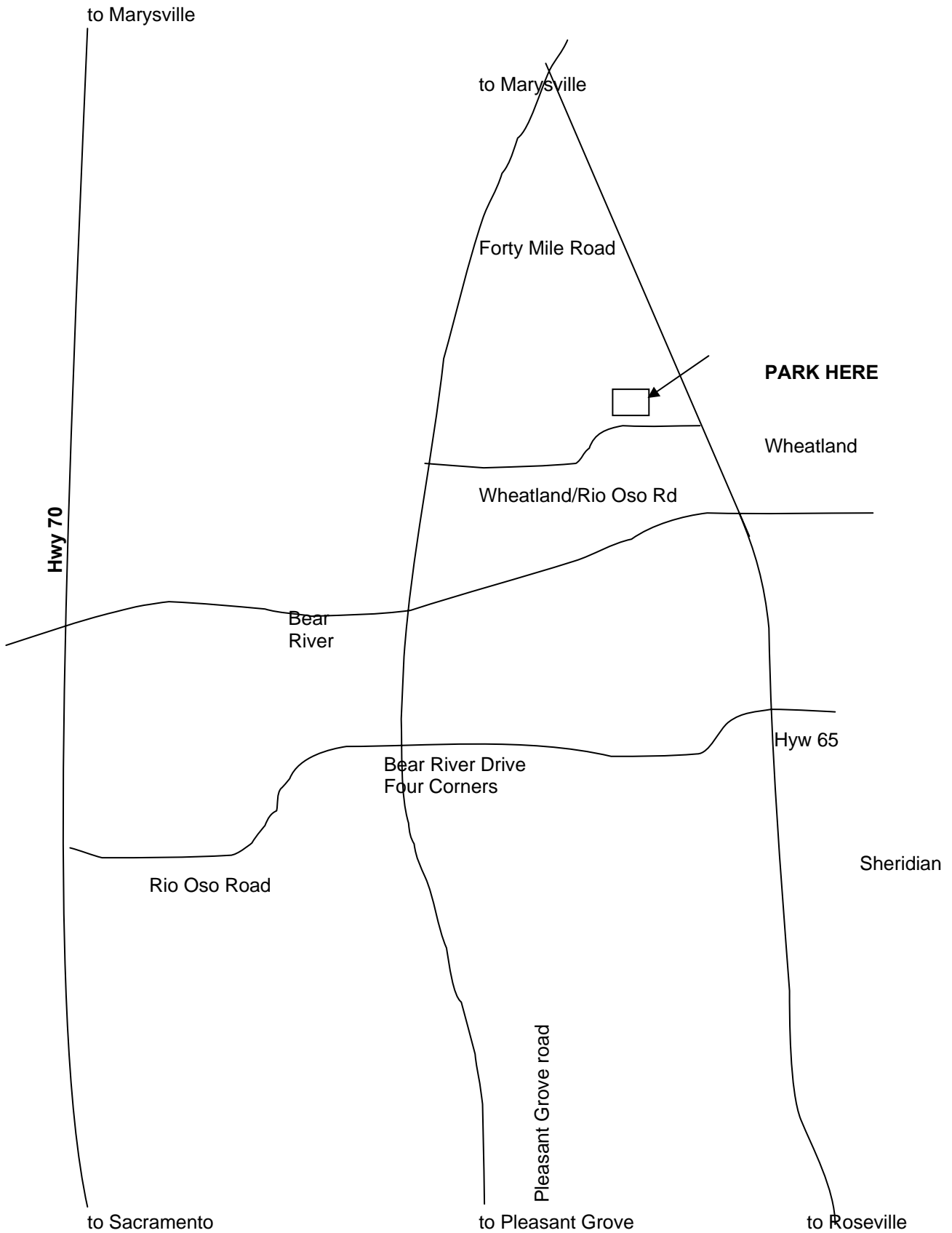
### **GET NEWSLETTERS ONLINE**

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Remember, you can subscribe to this newsletter online at our website at <http://cesutter.ucdavis.edu>. You will receive the newsletter as soon as it is finished and more easily view the pictures and articles I may refer to in certain issues of "Orchard Notes".

JANINE HASEY, UC FARM ADVISOR  
jkhasey@ucdavis.edu

**Map to Bear River Almond Hulling coop  
4515 Wheatland Road**



X We will meet and park at Bear River Almond Hulling Coop, 4515 Wheatland Road (look for UC Signs)

1:00 PM for training 2-year old Chandler & Vina.

2:30 PM View 3-year old and 12-year old Tulare hedgrow plantings.

**NOTE:** Transportation will be provided into the orchards. Be on time for each meeting. We will not leave earlier than scheduled time.

# **MEETINGS COVERED IN THIS NEWSLETTER**

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### **UNITED STATES DEPARTMENT OF AGRICULTURE, UNIVERSITY OF CALIFORNIA, AND COUNTIES OF SUTTER & YUBA COOPERATING**

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