



# your *Lake County* HORTICULTURAL NOTES

DECEMBER 1994

## !!! MARK CALENDARS !!!

(contact us for details)

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| <b>DECEMBER 8</b>  | <b>WINEGRAPE CANOPY MANAGEMENT</b><br>Clear Lake Grange, Finley  |
| <b>DECEMBER 15</b> | <b>Restricted Use Permit Exam</b><br>Clear Lake Grange, Finley<br>contact Dave Niemann, 263-2271             |
| <b>DECEMBER 16</b> | <b>OAK ROOT FUNGUS FIELD MEETING</b><br>Clear Lake Grange, Finley<br>(agenda on green paper)                 |
| <b>JANUARY 20</b>  | <b>IRRIGATION PUMPING PLANT WORKSHOP</b><br>Mendocino College, Lakeport<br>(registration form on pink paper) |
| <b>FEBRUARY 10</b> | <b>LAKE-MENDOCINO PEAR RESEARCH MEETING</b><br>Clear Lake Grange, Finley                                     |

### ***HARMONY ROOTSTOCK CAUTION***

A recent finding of phylloxera on Harmony rootstock has prompted the UC Phylloxera Task Force to **repeat** its warning not to use **any** rootstock with *Vitis vinifera* parentage on sites where phylloxera is the primary pest.



Harmony now appears to be declining to phylloxera in a Cabernet Sauvignon vineyard in the Napa Valley. The site is a rootstock trial that has 12 different rootstocks. One of the Harmony replicates is declining and has large numbers of phylloxera on its roots. Dr. Andy Walker's lab has confirmed that the declining rootstocks are indeed Harmony. Dr. Jeffrey Granett's lab has confirmed that the phylloxera feeding on Harmony are different from phylloxera types A and B, and therefore, constitute a new strain. The other Harmony replicates in the trial are, so far, apparently unaffected. The severe decline of Harmony, and the confirmation that the phylloxera on its roots are different, prompt the Task Force to **repeat** its previous warning.

**Harmony, or any other rootstock with *V. vinifera* parentage, should not be used in vineyard sites where phylloxera is primary pest problem.**

Although in the Napa site, Freedom appears to be unaffected, it cannot be recommended for phylloxera resistance given that Freedom and Harmony have similar parentage. However, both Freedom and Harmony are still excellent rootstock choices on sandy soils where rootknot nematodes are the primary problem.

The Harmony vines in Napa will be monitored in 1995 to see if the decline continues and spreads. Other site factors, such as moderate drought stress, crop level and nutritional status, will be scrutinized for their possible interaction with phylloxera in causing the vine decline. Further information will be released when it becomes available.

### ***NEW VEGETABLE MANAGEMENT VIDEO AVAILABLE***

The California Department of Food and Agriculture (CDFA) has released a new video, *Drip Irrigation and Nitrogen Fertigation Management of Vegetable Crops*.

The video, produced by CDFA's Fertilizer Research and Education Program (FREP), is designed to help growers improve their fertilizer and water management to increase profitability, decrease potential groundwater contamination, and conserve water. It was created by University of California Extension Specialist Tim Hartz to provide the viewer with in-depth information on crop nitrogen demands, irrigation scheduling, efficient fertigation programs and uses of fertility and soil moisture monitoring techniques.

A video on Best Management Practices (BMP's) for Nitrogen and Water Use is also available. This video defines and illustrates BMP's and technologies to reduce nitrate contamination for several crops, and discusses nitrate sensitive areas in California.

Both videos include reference booklets and can be purchased for \$20 each. To obtain copies of either video, make check payable and mail to: **Cashier, CDFA, P. O. Box 942872, Sacramento, CA 94271-2872.**

***OTHER NEW RESOURCES***

(contact us)

Sources of Eucalyptus Information and Planting Stock  
(revised March 1994)

UC Small Farm Center - 1993 Annual Report

Values of Organic Fertilizers  
(OSU-CE, Lane County 1993)

Vineyard Consultants and Managers (Lake, Mendocino, Napa and Sonoma Counties)  
1994

***MORE UPCOMING MEETINGS***

(contact us for information)

Unified Wine and Grape Industry Symposium  
Sacramento - January 17-19, 1995

Ecological Farming Conference  
Asilomar - January 25-28, 1995

Wine Tech '95  
Sacramento - January 31-February 2, 1995

***From all of us at UCCE, we wish you a very happy holiday season!***

Rachel Elkins

Pat Jones

J. Benson

Karen Steffen

Shirley Morse

Cooperative Extension  
U.S. Dept. of Agriculture  
University of California  
Oakland, CA 94612-3560

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Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Kenneth R. Farrell, Director of Cooperative Extension, University of California.

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**OAK ROOT FUNGUS FIELD MEETING**

**WHEN:** FRIDAY, DECEMBER 16, 1994  
8:30 A.M. - 12:00 NOON

**WHERE:** Meet at Clear Lake Grange, Finley (wheelchair accessible)  
carpool to ORF sites  
DRESS WARMLY - PREPARE FOR RAIN

**WHO:** Rachel Elkins; UCCE, Lake County  
Dr. Doug Gubler; Department of Plant Pathology, UC Davis  
Dave Niemann; Lake County Department of Agriculture  
Dave Esrock; Tri-Cal, Inc.  
Alex Suchan; Upper Lake  
Kirk Williams; ICI, Inc.

**COST:** \$3.00 to cover meeting hall rental  
Coffee and muffins will be served

We will discuss the increasing problem of oak root fungus in Lake County pear orchards. This will be an informal discussion of all aspects of biology, host susceptibility and prospects for control.

Following the discussion, we will carpool to several affected sites and see demonstrations of the proper application of methyl bromide and metam sodium (Vapam®), the two *currently* registered chemical controls.

If it is raining, we will hold the meeting entirely indoors

Contact UCCE at 263-2281 for further information.



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**IRRIGATION PUMPING PLANTS  
A Hands-on Workshop**

**WHEN:** FRIDAY, JANUARY 20, 1995  
8:00 A.M. TO 12:00 noon

**WHERE:** Mendocino Community College - Lake County Center  
525 North Main Street, Lakeport

**SPONSOR:** U.C. Cooperative Extension

**COST:** \$20.00 - includes workshop materials  
***PRE-REGISTRATION REQUIRED*** - FORM BELOW  
A calculator will be needed by each student  
CLASS TO BE LIMITED TO 35 PEOPLE

**TOPICS TO BE COVERED:**

- pumping plant components
- pump performance factors
- selecting an efficient pump
- interpreting pump test reports
- evaluating efficiency vs. cost savings
- choosing between diesel and electric pumps

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**IRRIGATION PUMPING PLANT WORKSHOP**  
**Friday, January 20, 1995**

Name(s) \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\$20/person X \_\_\_\_\_ persons = \$ \_\_\_\_\_ total enclosed

**RETURN TO:** Rachel Elkins  
883 Lakeport Blvd.  
Lakeport, CA 95453

