



# your Lake County HORTICULTURAL NOTES

JANUARY 1994

!!! HAPPY NEW YEAR !!!

## MARK CALENDARS

(contact us for details)

**JANUARY 24-26** Wine Grape Production Short Course, UCDavis

**MARCH 10** **HANDS-ON PESTICIDE SAFETY TRAINING**  
Lake County Fairgrounds  
Agenda/Registration form, Page 7

## 1993 HORT NOTES INDEX

(contact us for back issues or articles)

### GRAPES

### ISSUE

*Virus Symptoms in Replanted Vineyards*

January-February

- Vineyard-selected scion wood increases threat of virus infection on alternative rootstocks
- California grapevine registration and certification program

*Informal Monthly Meetings for Grape Growers*

January-February

*Wine Grape Nutrition Meeting Agenda*

January-February

*Grape Phylloxera Replanting Options*

April

*Current Trends in Nitrogen Fertilization*

*Research - uptake and distribution of N  
in Thompson Seedless grapevines*

May



Grape Powdery Mildew-A Problem Year?	May
Proper Interpretation of Grape Tissue Analyses	August
Fall and Winter Zinc Deficiency Correction	October
Grape Pomace as a Source of Fertilizer	October
Plan Now to Prevent Bunch Rot in 1994	November
Potassium Deficiency in Winegrapes	November
Wine Grape Production Short Course	November
UNEX Viticulture Classes - 1994	December

## **PEARS**

Factors Affecting Successful Codling Moth Control	March
I. Review of the 1992 Codling Moth Season	
II. Codling Moth Control in 1993 - Are you Ready?	
What Causes Pear Russetting?	March
6th International Symposium on Pear Growing	April
Current Trends in Nitrogen Fertilization	
Research-nitrogen management options for pears	
Training Young Pear Trees	May
Meadow Mice (Vole) Damage in Pear Orchards	May
Leaf Analysis for Pear and Walnut	July
Some Thoughts on the 1993 Pear Crop	July
Fall and Winter Zinc Deficiency Correction	August
	October

## **WALNUTS**

1993 Lake County Walnut Update (meeting agendas-English and Spanish)	March
Walnut Blight-A Problem with Late Spring Rains	
Current Trends in Nitrogen Fertilization	April
Research-walnut N fertilization and usage	
March Walnut Meeting Handouts	May
Prepare for a Heavy Walnut Husk Fly Season	May
Leaf Analysis for Pear and Walnut	July
Fall and Winter Zinc Deficiency Correction	July
1993 Walnut Harvest	October
1993 Walnut Season Wrap-up	October
I. Growing season summary	December
II. Problems to prepare for in 1994	
Frosted Scale and European Fruit Lecanium (July 1993 UCIPM Walnut Pest Management Guidelines)	December

## **ORCHARD AND VINEYARD - GENERAL**

Orchard and Vineyard Thermometer Testing	January-February
Thank you For Your Cooperation	January-February
Prepare for the 1993 Frost Season	March
More Thank You's for 1992!!	March
Nitrogen Fertilization of Young Trees	May
Meadow Mice Damage in (Pear) Orchards	July
Avoiding Herbicide Damage to Young Trees	July
1993 Apple Production Short Course	August
Return Those Hort Notes Subscription Forms!	August
Begin Next Season's Weed Control Program	
Now	October
More Weed Control!	October
- Puncture Vine-the plant and its control	
- Effect of water quality on herbicide performance	
Fertilizer Research and Education Program	
Conference	October
Soil Moisture Monitoring Workshop	
(meeting agenda)	November
Get Those Rodents - With Barn Owls!	December
Upcoming UNEX Courses - 1994	December

## **PRODUCTION ACTIVITY CHECKLIST** (dates refer to issue)

### **May**

- Young trees and vines - weed control, irrigation, fertilizer, walnut tree training, suckers, crown gall, vertebrates
- Nutritional problems - effects of wet soil, grape boom petiole analysis, foliar zinc for pear/walnut, N uptake

### **July**

- Pears - premature ripening, young tree care
- Grapes - veraison petiole samples, powdery mildew
- Walnuts - walnut husk fly (WHF) traps, sunburn, young tree weed control

### **August**

- Pears - harvest outlook, post-harvest N
- Grapes - vigor assessment, K petiole levels
- Walnuts - WHF, irrigation, orchard/vineyard weed control, roguing, pre-plant site preparation

**UC PUBLICATIONS OFFERED DURING 1993**

(contact us for specific items or a current catalogue)

	Publ. #	Price	HORT NOTES ISSUE
Grape Pest Management, 2nd ed.	3343	\$68.00	Jan-Feb
UCIPM Grape Pest Management Guidelines (October 1992)	PMG18	2.75	Jan-Feb
Hort Notes Articles on Frost Protection (various)	--	--	March
Information for Prospective Lake Co. Grape Growers	--	5.00	March
1992 Sample Costs to Produce Organic Wine Grapes in the North Coast (resident vege- tation or annual covercrop)	--	1.50 ea	April
1993 Lake County Walnut Update Handouts	--	--	May
Personnel Decisions in the Family Farm Business	3357	6.00	July
California Commercial Laboratories Providing Agricultural Testing	3024	2.50	July
UCIPM Pest Management Guidelines various	various	various	Aug, Oct
UCIPM Walnut Pest Management Guidelines (October 1993)	PMG3	2.05	December

**PESTICIDE AND WORKER SAFETY TRAINING MATERIALS OFFERED IN 1993**  
+ indicates Spanish**Publications**

The Safe and Effective Use of Pesticides	3324	30.00	Jan-Feb
+ The Illustrated Guide to Pesticide Safety			
Instructor's Packet (Eng/Span)	21489	5.00	Jan-Feb
Worker's Packet (Spanish)	21488	4.00	Jan-Feb
Catalog of Selected Safety Materials and Resources		2.00	Jan-Feb
Written Accident and Illness Preven- tion Programs		2.00	Jan-Feb
+ La Loteria de los Pesticides; Pesticide Safety training game for Agricultural workers		15.00	Jan-Feb
+ TIPP Checklist for Ag Employers	--	--	July

### Audio-Visuals

Cal/EPA Hazard Communication Standards; Pesticide Safety Information Leaflets A-8 (handlers) and A-9 (field workers) - audio cassette in SPANISH	UCCE, Fresno	5.00	July
Various topics from UC Visual Media ( <u>borrow only</u> )	UC	5.00	Nov.

Please see page 8 for a listing with order form of worker safety materials available from UCCE, Fresno County.

### OTHER PUBLICATIONS OFFERED IN 1993 (contact us)

Fireblight-its Nature, Prevention and Control; a Practical Guide to Integrated Disease Management	USDA	Free	Jan-Feb
Training and Pruning Apple and Pear Trees	ASHS	30.00	Jan-Feb Nov.
1992 Report on Research Projects for California Bartlett Pears	CTFA	--	March
CDFA Agricultural Update (newsletter)	CDFA	--	Nov.
The Wine Press (newsletter)	Wine Library Assoc.	15.00	Nov.
Barn Owl Nest Box - Plans and Instructions	USDA	--	Dec.
The Many Varieties of Lake Co. Pears	CWA	--	Dec.
Outline for Bench Grafting Procedures (grapes)	USDA	--	Dec.
<u>Voice of the Fields/La Voz del Campo</u> ; farm labor information bulletin	EDD	--	July

### SOIL MOISTURE MONITORING WORKSHOP HANDOUTS

Contact us for the following which were distributed at the December 9 workshop in Finley:

- How do you choose which soil moisture measuring tool to use?
- Field use of tensiometers
- Field use of soil moisture blocks
- Guide for practical interpretation of available soil water for various soil textures
- order form for various UC irrigation publications

Also, contact Kate Delbar at ASCS in Ukiah (468-9225) to sign up for the new Lake County Practice, Irrigation Water Conservation (#WC-4). This provides 70% cost share on permanently installed monitoring devices such as gypsum blocks and tensiometers.

Currently, ASCS will not cost-share on neutron probe services, but if enough tree and vine growers are interested in neutron probe service, please inform ASCS so a possible special project can be discussed at the local committee level.

**VIDEOS AVAILABLE TO BORROW FROM OUR OFFICE**

Apple Orchard Spraying - Getting Results

Endangered Species and Pesticides: Balancing Protection and Production

Grafting Walnut Trees

Harvest Techniques for Apples and Pears

Monitoring Soil Moisture in Vineyards

1991 Apple Variety Trials - Oregon State University (OSU)

Protecting Groundwater: A Guide for the Pesticide User

Pruning a Mature Pear Tree and Pruning Apple and Pear Trees  
5-15 Years Old

Pruning Fruit Trees

Pruning Walnut Trees

Safe Handling of Pesticides - English/Spanish

The Spanish Bush System of Growing Sweet Cherries Adapted to California

Training Young Trees

Tripod Orchard Ladder Safety

Vineyard Safety Videos - English/Spanish

- 1) safe harvest practices/odd jobs/back safety
- 2) pesticide safety/tractor safety

Use of Lime and Nitrogen in Orchards (OSU)

Use of Soil and Leaf Analysis in Orchards (OSU)

Sincerely,



Rachel Elkins  
Farm Advisor

University of California Cooperative Extension  
Fresno, Kings, Madera & Tulare Counties



## AGRICULTURAL PERSONNEL MANAGEMENT PROGRAM

1720 South Maple Avenue, Fresno, California 93702 (209) 488-3285  
Direct Line (with answering machine) (209) 488-3560

- |   |        |
|---|--------|
| <input type="checkbox"/> Agricultural Personnel Management Program Newsletter, English  | FREE   |
| <input type="checkbox"/> Abundance of Posters Required in Agricultural Employment, English/Spanish  | \$2.00 |
| <input type="checkbox"/> Americans With Disabilities Act (ADA), paper prepared for 7/9/92 meeting in Parlier  | \$1.50 |
| <input type="checkbox"/> Cal/EPA Agricultural Hazard Communication Standard Information, English/Spanish  | \$3.00 |
| <input type="checkbox"/> Catalog of Selected Safety Materials & Resources, English/Spanish  | \$2.50 |
| <input type="checkbox"/> "Farmworker injury and illness: statistical guides to prevention," <i>California Agriculture</i> , Vol 45, No 6, November-December, 1991, pp. 13-15                        | \$1.00 |
| <input type="checkbox"/> Field Sanitation Packet: Hygiene posters, field sanitation rule, vendors list<br>English/Spanish   | \$1.50 |
| <input type="checkbox"/> Guide to Federal and State Requirements for Employee/Migrant Housing, prepared by<br>the U.S. Department of Labor and the CA Housing and Community Development,<br>English | \$1.50 |
| <input type="checkbox"/> Hazard Communication Audio Cassette, Pesticide Safety Information Series Leaflets A8<br>& A9, English/Spanish  | \$5.00 |
| <input type="checkbox"/> Instructor's Guide to Farm Safety Training, English/Spanish, with Cassette   | \$5.00 |
| <input type="checkbox"/> New Federal Pesticide Safety Standard Issued, English  | \$2.00 |
| <input type="checkbox"/> Pre-Employment Inquiry Guidelines, DFEH-161, English   | FREE   |
| <input type="checkbox"/> Selected Cal/OSHA Safety Orders, English   | \$2.50 |
| <input type="checkbox"/> Sexual Harassment Information, Investigation & Compliance Guide, English/Spanish   | \$2.00 |
| <input type="checkbox"/> Starting an HIV/AIDS Program - HIV/AIDS Education for Ag Employers & Supervisors<br>English/Spanish  | FREE   |
| <input type="checkbox"/> English <input type="checkbox"/> Spanish - Targeted Industries Partnership Program (TIPP) Checklist  | FREE   |
| <input type="checkbox"/> Written Accident and Illness Prevention Programs, English/Spanish  | \$1.50 |

Please make check payable to "County of Fresno" and mail ENTIRE form to:  
Steve Sutter, Area Farm Advisor, UC Cooperative Extension, 1720 S. Maple Avenue, Fresno, CA 93702  
(Per County Ord #93-019, there will be an \$18 per check fee charged for returned checks)

Name \_\_\_\_\_ Firm \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

Bulk Rate  
Postage & Fees Paid  
USDA  
Permit No. G-00268

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Official Business  
Penalty for Private Use, \$300

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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.



PLEASE POST



University of California  
Statewide Integrated Pest Management Project and  
Cooperative Extension, and Local Agricultural Commissioner  
Offices present

## HANDS-ON TRAINING FOR PESTICIDE APPLICATORS

### LOCATION & DATE

Lake County Fairgrounds  
401 Martin Street, Lakeport  
Thursday, March 10, 1994

Hours: 8:00 am - 4:30 pm

### CONTINUING EDUCATION CREDIT

7 PCA and Applicator CE hours  
pending

### FOR MORE INFORMATION

☎ Call: (916) 752-7691  
or (707) 263-2281  
✉ Write to:  
IPM Education & Publications  
University of California  
Davis, CA 95615-8620

### LANGUAGE

Spanish- and English-language  
sessions are available for all  
topics.

### PROGRAM

The entire program will consist of  
hands-on training and will allow you  
to receive personal experience with  
equipment and techniques.

### TOPICS

- ✓ Personal Protective Equipment
- ✓ First Aid / Health Effects
- ✓ Mixing and Loading Pesticides
- ✓ Leaks and Spills
- ✓ Calibration
- ✓ Environmental Protection
- ✓ Cleanup and Disposal

### REGISTRATION

To register, fill out the form below.  
Registration may be made by  
mail, or by phone or fax if paying  
with MasterCard or VISA.

**Cost:** *Registration* (postmarked  
by March 3) is \$40. *Late registra-  
tion* (postmarked after March 3) is  
\$50. Fee includes refreshments,  
lunch, handouts, and other  
materials. **There is limited  
space; register early!**

**Confirmation:** Registrations  
postmarked by March 3 will be  
confirmed by mail.

**Refund Policy:** There will be no  
refunds. However, another per-  
son may attend in your place.



### 1994 UC PESTICIDE APPLICATOR WORKSHOP REGISTRATION FORM

(Register only one person per form; photocopy form for additional registrations.)

Please register me for:

**LAKEPORT**  
March 10, 1994  
☐ Spanish ☐ English

Register by:

✉ **Mail:**  
IPM Education & Publications  
University of California  
Davis, CA 95616-8620

☎ **Phone:** (916) 752-7691

Ⓣ **Fax:** (916) 752-9336

Please print:

Applicator Name (First, Middle, Last)  
or PCA #

Daytime phone

Home address

City

State

ZIP

☐ Enclosed is my check (\$40 per person / \$50 late registration) payable to UC Regents

☐ Please charge my ☐ VISA ☐ MasterCard

Acct #

Exp. date

Signature

Name of cardholder if  
different from above