

your Lake County HORTICULTURAL NOTES

883 LAKEPORT BOULEVARD
LAKEPORT, CALIFORNIA 95453
TELEPHONE: 263-2281

JANUARY 1990

MEETING AGENDAS INSIDE

JANUARY 16 - PESTICIDE AND FARM SAFETY UPDATE
(English and Spanish Versions)
JANUARY 18 - 1989 PEAR RESEARCH UPDATE

INDEX
1989 NEWSLETTER ARTICLES*

GRAPES

1987 - 1988 Viticulture and Enology Research
Summary (publication)
Cost Estimates for Replacing Damaged Grape
Vines (publication)
Grape Powdery Mildew
Spring Zinc Deficiency Treatments
Guidelines for Phylloxera Detection in
Vineyards
Oakville Grape Day (agenda)
1989 Grape Harvest
Botrytis Bunch Rot Treatments
FPMS Grape Rootstock and Variety Selections
(publication order form)
Grape Scion Quality Considerations
(meeting agenda)
New Lake County Grape Publication Available

ISSUE

January
February
April
April
May
July
September
October
November
December
December

KIWIFRUIT (a separate newsletter)

1989 Kiwifruit Harvest
New Test to Determine Harvest Maturity
Tri-County Kiwifruit Meeting
(notes available)

November
November
November

PEARS

California Tree Fruit Agreement Newsletter
(address)
Spring Zinc Deficiency Treatments
Effect of Fungicide Sprays on Pear Skin Russet
1988 Pear Research Reports (publication)
U. S. Pear Markets at Stake: A Look at our
Competition (transcript of speech)
Poor Pear Psylla Control - the Problem May
be your Spray Rig
Oregon Pear Researchers to Visit (agenda)
Will 1989 Be a Premature Ripening Year?
A Response to Consumer Questions on Produce
Safety: Integrated Pest Management
Pear Pest Management Guidelines are Here!
(with order form)

Ash Whitefly Found in Sacramento
Evaluate Future Production Potential Now

WALNUTS

1989 Walnut Meeting (agenda)
Spring Zinc Deficiency Treatments
1988 Walnut Cost Studies (publications)
California Walnut Commission 1987 -88
Annual Report (publication)
New UC Walnut Pest Management Guidelines
(including Walnut Husk Fly recommendations)
Walnut Husk Fly (WHF) Update
1989 Walnut Harvest
Walnut Variety Update

ORCHARD AND VINEYARD-GENERAL

Index to 1987-88 Newsletter Articles
Attention Growers!! Farm Safety Update -
(English and Spanish sessions - agendas)
Research/Education Priorities Survey (form)
Orchard Thermometer Testing
1989 Frost Protection Workshop (agenda)
Herbicide Label Status for 1988 and 1989
Susceptibility of Weeds to Herbicides
Frost Protection Factors
The Drought (Big Valley historical rainfall,
1934 - 1989)
An Invitation to Our Test Plot
CCOF Organic Farming Certification Handbook
(with CCOF address)
Agricultural Water Conservation Practices
Evaluate Future Production Potential Now
Soil Amendments (gypsum and lime)
1990 Fruit Tree Nursery Catalogs (with phone
numbers)

February
April
April
April

May

June
July
July

August

September,
October
November
September

March
April
May

May

August
October
October
November

January

January
January
February
February
February, December
February, December
March

April
June

June
July
September
November

November

The Case for Fall Weed Control in Bearing
Orchards and Vineyards
Winter University Extension (UNEX) Classes
Thank You for Your Cooperation

December
December
December

PRODUCTION ACTIVITY CHECKLIST (dates refer to newsletter issue)

JULY

Grape Petiole Sampling
WHF Monitoring

AUGUST

Pears - Fall Weed Control Reminder
WHF Monitoring
Grape Potassium Deficiency Sampling

SEPTEMBER

Remove Weak/Dead Trees and Vines
Prune Out Dead/Dying Limbs/Cordons
Farm Labor Programs and Rules
Fall Weed Control

OCTOBER

Plant Fall Cover Crops (with variety table)
Vineyard Pre-plant Preparation (publication)
Walnut Shaker Damage Prevention
Pears - Zinc Deficiency Correction

*If you would like copies of past newsletters or a particular article, contact our office at 263-2281.

UNIVERSITY OF CALIFORNIA - PUBLICATIONS OFFERED DURING 1989
(contact our office)

<u>TITLE</u>	<u>PUB. NO.</u>	<u>PRICE</u>	<u>NEWSLETTER ISSUE</u>
*Small Farm News	newsletter	free	February
*Sustainable Agriculture News	newsletter	free	February
Frost Protection for North Coast Vineyards	2743	1.00	March
Frost Protection: When to Turn Sprinklers On and Off	7165	free	March
Passive Frost Protection of Trees and Vines	21429	1.00	March
*Grape Pest Management	4105	25.00	April
What is IPM?	--	free	August

University of California Statewide IPM Project	--	free	August
Grapevine Nutrition and Fertilization in the San Joaquin Valley	4087	5.00	August
Walnut Hedgerow Planting System	21467	1.50	October
Irrigation Scheduling A Guide for Efficient On-farm Water Mgt.	21454	6.00	October
Asian Pears	--	free	November
How to Finance a Small Farm	--	free	November
Tips for Buying a Used Tractor	--	free	November
Kiwifruit Production in California	--	free	November
Water Holding Character- istics of California Soil	21463	6.50	(Kiwi) December
Covercrops for California Agriculture	21471	3.50	December

*ordered on request

OTHER PUBLICATIONS LISTED DURING 1989 (contact our office)

Using Horticultural Spray Oils to Control Orchard Pests	PNW #328	.40	March
Resource Guide to California Agricultural Irrigation Services: Incentives, Special Loans and Technical Assistance	QEI, Inc.	cost	October
Year of the Actinidia	CRFG	10.00	November (Kiwi)
Kiwifruit Handbook		12.90	November (kiwi)

IMPORTANT!!! 1990 PESTICIDE AND FARM SAFETY UPDATE

English and Spanish versions of the agenda for the meeting to be held on January 16 at the Finley Grange are included in this newsletter. Rafael Valadez of Upper Lake has kindly agreed to translate the respirator session into Spanish. Although the other topics will be in English, many personnel will benefit from the information. Please distribute the appropriate agenda to all employees you feel should attend. The Spanish version is on page 7 so it is easily detached to copy and distribute.

PESTICIDE AND FARM SAFETY UPDATE

THIS IS A MUST FOR ALL AGRICULTURAL EMPLOYERS

(Continuing Education Credit Applied For)

Date: Tuesday, January 16, 1990

Time: 9:00 A. M. - 12:00 P. M.
 Coffee and donuts will be served
 courtesy of Lake County Farm Bureau

Place: Clear Lake Grange Hall, Finley

Sponsors: UC Cooperative Extension
 Lake County Department of Agriculture
 Lake County Farm Bureau

TOPICS TO BE COVERED INCLUDE

1. Upcoming Toxics Information Requirements
for Ag Loans - Dr. Karen Klonsky,
Extension Farm Management Specialist
2. Respirator Safety and Use - English and
Spanish
3. Farm Safety
4. Laws and Regulations Update
5. Pesticide Container Disposal
6. Questions and Answers

1989 PEAR RESEARCH UPDATE (Lake-Mendocino District Meeting)

DATE: Thursday, January 18, 1990

TIME: 1:00 - 5:00 P. M.

PLACE: Lakeport Lions Community Hall
2495 Parallel Drive, Lakeport

SPONSORS: University of California Cooperative Extension
California Tree Fruit Agreement - Pear Research
Committee

REFRESHMENTS WILL BE SERVED (courtesy of CTFA)

4 hours of PCA continuing education credit applied for

AGENDA

Effects of Sprays on Pear Russet, Fireblight and Bacteria
Jim Beutel, UC Extension Pomologist, UC Davis

Epidemiology and Control of Frost Injury, Fireblight and
Fruit Russet of Pear Incited by Leaf Surface Bacteria
Dr. Steve Lindow, Dept. of Plant Pathology, UC Berkeley

Use of Natural Enemies for Managing Pear Psylla Within a
Selective IPM Program

Development and Use of Techniques for Detecting Guthion-
Resistant Codling Moths
Dr. Steve Welter, Dept. of Entomology, UC Berkeley

Field Investigations Comparing the Effects of "Hard" and
"Soft" Pesticides on Arthropods, Yields and Cosmetic
Qualities of Bartlett Pears in the Sacramento Valley
Pat Weddle, RPE Weddle, Hansen and Associates, Inc.

Effects of Plant Pathogenic MLO on Pear Trees
Dr. Bruce Kirkpatrick, Dept. of Plant Pathology, UC Davis

Non-Destructive Firmness Sorting System of Pears
Dr. Michael Dewiche, Dept. of Ag Engineering, UC Davis

Control of Codling Moth in Bartlett Pears by Mating
Disruption Using Plastic Pheromone Dispensers
Dr. John Studdert, Area IPM Advisor, Sacramento Valley

ACTUALIZACIÓN SOBRE PESTICIDAS Y SEGURIDAD AGRÍCOLA

FECHE: Martes, 16 Enero 1990

HORA: 9:00 A. M. a 12:00 P. M.
Café y rosquillas (por cortesía de Lake County Farm Bureau)

LUGAR: Clear Lake Grange, Big Valley Road, Finley

PATRONIZADO POR: Extencion Cooperativa Universidad
de California
Departamento de Agricultura del
Condado de Lake
Lake County Farm Bureau

PROGRAMA

- Información sobre tóxicos requerida para préstamos agrarios
- Uso seguro de los respiradores (EN ESPAÑOL)
- Seguridad en el rancho
- Eliminación de envases de pesticidas
- Preguntas y respuestas

SE INVITA ESPECIALMENTE A TODOS LOS TRABAJADORES AGRÍCOLAS DE CONDADO DE LAKE.

WARNING ON AXR#1 ROOTSTOCK

The following press release was written by the UC Phylloxera Task Force. It was released to the media in mid-December and should be CAREFULLY HEEDED by ALL grapegrowers:

PHYLLOXERA TASK FORCE ADVISES GRAPEGROWERS
TO DISCONTINUE PLANTING AXR#1 ROOTSTOCK

After a year of intensive research, the Phylloxera Task Force¹ has determined that biotype B phylloxera is widespread in Napa and Sonoma County vineyards. In these locations, vines planted on AXR#1 rootstocks are declining. The only reasonable conclusion to draw is that AXR#1 IS NOT RESISTANT to this NEW PHYLLOXERA BIOTYPE and, consequently, grapegrowers are advised to DISCONTINUE PLANTING AXR#1 ROOTSTOCK.

Planting AXR#1, whether in new vineyards or in replant situations, would invite SIGNIFICANT RISK to vineyard longevity and, therefore, growers are advised hereafter to use ALTERNATIVE ROOTSTOCKS. From the data available, the following rootstocks appear to be resistant to biotype B phylloxera: 3309 Couderc, 110 Richter, SO4 (Oppenheim 4), 5BB Kober, St. George, 5A Teleki, Freedom and 039-16. More rootstock performance data will be released as it becomes available.

Biotype B-like populations have not yet been identified outside of Napa and Sonoma Counties, however, biotyping tests will begin soon on phylloxera collections from declining vineyards in Lake, Mendocino, Monterey, San Luis Obispo, San Joaquin, Solano and Yolo Counties. Over time, it is expected that biotype B phylloxera will continue to spread throughout California vineyards and, therefore, ALL grapegrowers are urged to consider this statement.

It is still unclear how or where biotype B originated, or how it is spreading, but the course of action IS CLEAR. In order to protect new vineyards from phylloxera problems, GRAPEGROWERS SHOULD USE ALTERNATIVE ROOTSTOCKS AND SHOULD NO LONGER PLANT AXR#1.

¹The Phylloxera Task Force is composed of representatives of the University of California, Davis, Departments of Viticulture & Enology and Entomology, as well as Cooperative Extension and Foundation Plant Materials Service.

Sincerely,

Rachel

Rachel Elkins
Farm Advisor