



# your Lake County HORTICULTURAL NOTES

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DECEMBER 1990-JANUARY 1991

!!!MARK CALENDARS!!!

\*\*\*WINTER MEETING SCHEDULE\*\*\*  
(agendas enclosed)

January 22	Pesticide Application and Farm Safety Update, Finley (MANDATORY)
January 24	1990 Pear Research Update, Ukiah (see page 9 )
February 1	Farm Safety Update, Finley (SPANISH SESSION) (see page 7 )
March 25	Recent Advances in Viticulture and Enology-RAVE *91 U.C. Davis (details in February <u>Hort Notes</u> )

## INDEX

### 1990 HORT NOTES ARTICLES

#### GRAPES

Warning on AXR #1 Rootstock	January
Lake County Phylloxera Bioassay Results	March
Grapevine Propagation ( <u>Cal Ag</u> articles offered)	March
Reduced-Input Wine Grape Management	April
Handouts from January Grape Meeting Available	April
Plan Now to Avoid Grape Powdery Mildew Resistance to DMI's	May
UC Pest Management Guidelines - Powdery Mildew	May
Reviewing the 1990 Grape Season	September
ASEV Meeting Highlights	September
Commercial Vineyard Planning (available publication)	September
Zinc Deficiency Correction	October
Grape Clones-Just What Are They?	November
Guidelines on Choosing Grape Rootstock	November

KIWIFRUIT (a separate newsletter)

September

Using Total Solids to Measure Kiwifruit Maturity  
Kiwifruit Nutritional Needs and Relationships  
Factors Affecting Fruit Size  
Publications of Interest  
Import/Export Status (publication available)

PEARS

1989 Pear Research Update (meeting agenda)	January
1990 - The Year of the Thrips	June
Irrigation Management of Young Pear Trees	July
1990 Pear Short Course (announcement)	July
Ash Whitefly Update	August
Notes from Summer Travels: Medford	September
Zinc Deficiency Correction	October
Pears Featured at Upcoming Marketing Conference	October

WALNUTS

1990 Walnut Update (meeting agenda)	March
Is the Future for Lake County Walnuts Spelled O-R-G-A-N-I-C?	April
Support Stakes for Young Walnuts	May
Soft Scales in Walnut	June
Black Walnut is Being Honored in Chico	June
Walnut Husk Fly	July
UC Pest Management Guidelines - WHF	July
Walnut Dehydrator Tour	August
1990 Walnut Crop Looks Good	October
Zinc Deficiency Correction	October
Walnut Husk Fly Trap Catches	November

ORCHARD AND VINEYARD - GENERAL

Important!!! 1990 Pesticide and Farm Safety Update (English and Spanish agendas)	January
Orchard Thermometer Testing	February
Newsletter Subscription Form	February
Prepare for the 1990 Frost Season	March
Is it Safe to Combine Wind and Under-tree Sprinklers?	March
Frost Publications Available at UCCE Office	March
A Note on Dew Point	March
Frost Protection Factors	March
- temperatures causing injury	
- effect of dew point on air temperature	
- effects of orchard floor condition on temperatures	
ASCS 1989 Disaster Assistance Deadline	March
Organic or Sustainable: Two Possibilities	April
Pesticide Safety Training Resources	April
1990 Pest Management Guidelines Available	May
Recent U.C. Publications of Interest	May

Publication Catalogues Available	May
1990 Winter Meetings (Wrap-up)	May
Simazine and Diuron Herbicides Now Restricted Materials	June
1990 UC Ag Publication Catalogue Now Available	June
Water Management Seminar (agenda)	July
Toxics Liability Symposium (announcement)	July
Stress-By Many Other Names	August
The Beauty of the Backhoe	August
Farm Energy Loan Program	August
Pests of the Garden and Small Farm (new UC publication)	August
National Farm Safety Week	September
Geothermal Resource Seminar (announcement)	October
Environmental Liability: What the Agricultural Producer Should Know (meeting announcement)	November
Breaking New Ground (information for physically disabled farmers)	November

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

##### MAY

Young Trees and Vines - weed control, irrigation, fertilizer, walnut training, vertebrate damage  
 Early irrigations  
 Nutritional status sampling (grape, pear, walnut)

##### JUNE

Grape petiole analysis  
 Irrigation management - surface and sprinklers  
 Cover crop management

##### JULY

Leaf samples for pears and walnuts  
 Grape leafhoppers and mites

##### AUGUST

Weed control - plan your fall program  
 Declining/dead trees and vines  
 Grape potassium deficiency sampling  
 Late-season grape irrigation  
 Walnut Husk Fly

##### SEPTEMBER

Remove weak and dead trees and vines  
 Prune out dead/dying cordons now  
 Analyze shade problems  
 Fall weed control  
 Cover crops

OCTOBER

Cover crops  
Pre-plant site preparation  
Remove weak/dead limbs  
Rodent damage  
Weed control

UC PUBLICATIONS OFFERED DURING 1990

(contact us about specific items or a current catalogue)

<u>TITLE</u>	<u>PUB. NO.</u>	<u>PRICE</u>	<u>HORT NOTES</u> <u>ISSUE</u>
Frost Protection for North Coast Vineyards	2743	1.00	March
Frost Protection: When to Turn Sprinklers On and Off	7165	Free	March
Passive Protection of Trees and Vines	21419	1.00	March
Grafting over a Mature Vineyard (cost study)	-	Free	March
Control of Yellowjackets	7046	Free	May
Growers Weed Identification Handbook-Sheets #232-247	4030	5.00	May
Irrigation Scheduling: A Guide for Efficient on-Farm Water Management	21454	6.00	May
1990 Pest Management Guidelines	various	various	May
Strawberry Production in CA	2959	1.75	May
Organic Farming Directory	-	3.50	May
Walnut Hedgerow Planting System	21467	1.50	May
Commercial California Laboratories Providing Agricultural Testing	3024	1.00	July
Pests of the Garden & Small Farm	3332	25.00	August
How to Plan a Commercial Vineyard	21475	1.00	September
Information for Prospective Lake County Grape Growers	-	2.00	September

The Kiwifruit: A Home Gardener's Guide	21469	1.50	September
Small Farm Center Composite Publications			November
- Statistics and Resources	ANRP009	2.00	
- Marketing	ANRP010	3.00	
- Farm Management	ANRP011	2.00	
Agriculture in California: on the Brink of a New Millennium	AIG2010	10.00	November

OTHER PUBLICATIONS LISTED DURING 1990

<u>TITLE</u>	<u>SOURCE</u>	<u>COST</u>	<u>HORT</u> <u>NOTES</u> <u>ISSUE</u>
Technical Books Catalogue	UC Davis	Free	May
agAccess-Agricultural Book Source	agAccess	Free	May
Ash Whitefly-What, How, Why, What You Can Do	Ag Center	Free	August
Actinidia Enthusiasts Newsletter	Friend of the Tree Society	10.00/ copy	September
Breaking New Ground Newsletter (for physically disabled farmers)	Purdue Univ.	Free	November

UPCOMING UNIVERSITY EXTENSION COURSES

(contact our office or call 1-800-752-0881)

Business Continuation: Transferring the Family Farm to Succeeding Generations

January 12 9 a.m.-3:00 p.m. UC Davis \$55.00

Establishing the Home Vineyard

February 2 9:00 a.m.-4:00 p.m. UC Davis \$90.00  
(incl. lunch)

Canopy Management and Assessment

March 2 9:00 a.m.-4:00 p.m. UC Davis \$100.00  
(incl. lunch)

Understanding Agricultural Leases

March 23 9:00 a.m.-4:00 p.m. UC Davis \$60.00

There are also other courses being offered on pesticide-related topics and winemaking. Contact us for details.

ATTENTION!!! PESTICIDE APPLICATION/FARM SAFETY UPDATE

This is MANDATORY for all private applicators who will be applying for their restricted materials permit for 1991

DATE: Tuesday, January 22, 1991

TIME: Morning Session: 8:30-12:00 noon  
Afternoon Session: 1:30-3:30 p.m.

PLACE: Clear Lake Grange  
1510 Big Valley Road, Finley  
HANDICAPPED ACCESSIBLE

SPONSORS: U.C. Cooperative Extension  
Lake County Department of Agriculture  
Lake County Farm Bureau

AGENDA

MORNING SESSION

3 hours of PCA credit applied for

Registration and Coffee

Introduction

Rachel Elkins  
Dave Neimann

Pesticide Applicator Update and  
MANDATORY WRITTEN EXAM

Dave Niemann

BREAK (refreshments courtesy of Lake County Farm Bureau)

Developing Written Safety Plans  
Under Current Regulations

Bill Steinke  
Ext. Ag Eng., UC Davis

New Trends in Orchard and  
Vineyard Spraying

Bill Steinke

Video: Orchard Air Blast  
Spraying

Washington  
State Univ.

AFTERNOON SESSION

(location to be announced in the morning)  
2 hours of PCA credit applied for

Field Demonstration: Air Curtain Sprayer

Bill Steinke will demonstrate Michigan State University's spray rig designed especially for tall trees. EMPLOYEES WHO APPLY PESTICIDES ARE ALSO ENCOURAGED TO COME.

IMPORTANT!!! SPANISH PESTICIDE AND FARM SAFETY UPDATE

This year a Spanish-language meeting will be held on Friday, February 1 at the Clear Lake Grange in Finley. The Spanish agenda below should be POSTED AND/OR COPIED for employees. Contact Rachel Elkins or Dave Niemann for more information. Please help us keep our valuable labor force healthy and well-informed!

ACTUALIZACIÓN SOBRE SEGURIDAD AGRÍCOLA  
(la presentación será en español)

FECHE: Viernes, 1 febrero 1991

HORA: 8:30 a 11:30 A.M.

LUGAR: Clear Lake Grange, Big Valley Road, Finley

PATRONIZADO FOR: Extencion Cooperative Universidad de  
California  
Departamento de Agricultura del Condado de  
Lake  
Lake County Farm Bureau

PROGRAMA

Inscripción y café

Seguridad en el rancho

Proteja su espalda (video)

DESCANSO CON DONAS

Rociado con equipo de corriente de aire (video)

FIN

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

## FARM CONFERENCE '91

The 1991 Farm Conference will provide an opportunity for small-scale farmers, market managers, researchers, policy makers, educators and others to learn the latest developments in family farming, direct marketing and sustainable agriculture.

Features include:

- \* Keynote address to be delivered by Potter Valley farmer Guinness McFadden on "The Challenge of Innovation for Family Farmers and Marketers."
- \* More than 45 educational workshops with an emphasis on "how to" and problem solving topics. Six workshops will be conducted in Spanish.
- \* Short Courses - Getting started in small farming; vegetable drip irrigation for beginners; and growing and marketing of minor subtropical fruits.
- \* San Diego area farm and market tours - production and marketing of exotic animals; rare fruit production; a visit to the International Floral Center.
- \* A preconference tour (Feb. 7) to observe specialty crop production in Baja California.
- \* Special presentations - the impact of free trade with Mexico on California agriculture; farmers as innovators in sustainable agriculture; and what's left for the little guy in our time?
- \* A trade show with exhibitors demonstrating products and services for small-scale farmers and direct marketers.

The conference is sponsored by California Association of Family Farmers, California Department of Food and Agriculture Direct Marketing Program, University of California Small Farm Center, San Diego County Cooperative Extension and the Southland Farmers' Market Association.

The basic registration fee is \$40.00. Tours, short courses, meals and a tasting are extra. A package price of \$64.00 includes registration, Saturday and Sunday lunches and a Saturday night food and wine tasting.

Preregistration is encouraged. Contact our office or the Direct Marketing Program, CDFA, P.O. Box 942871, Sacramento, CA 94271-0001, (800) 952-5272.

For additional information about the content of the conference, contact the Small Farm Center at (916) 757-8910.



OTHER UPCOMING EVENTS (contact our office)

California Rare Fruit Growers (CRFG) Scion Exchange  
January 12 12:00 - 4:00 College of Marin, Kentfield

New Waves in Water; Growth and Water in the 1990's  
January 30-31 Sacramento  
\$75.00 by January 15 \$95.00 after January 15

ATTENTION!!! ALL PEAR GROWERS - I STRONGLY ENCOURAGE THAT YOU  
COME LEARN WHAT YOUR ASSESSMENTS HAVE PAID FOR!

1990 PEAR RESEARCH UPDATE  
(Lake-Mendocino District Meeting)

DATE: Thursday, January 24, 1991

TIME: 1:00 - 5:30 P.M.

PLACE: Mendocino College Board Room  
1000 Hensley Creek Road, Ukiah  
(HANDICAPPED ACCESSIBLE)

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

4 units PCA credit applied for

AGENDA

- \* Non-destructive Firmness Sorting System of Pears  
Dr. Michael Delwiche, Dept. of Ag Engineering, UC Davis
- \* Selective Management of Arthropods Within Pear Orchards  
Dr. Steve Welter, Dept. of Entomology, UC Berkeley
- \* Control of Codling Moth by Mating Disruption  
Dick Bethell, Rachel Elkins, Greg Vogel  
UC Cooperative Extension
- BREAK (Refreshments courtesy of CTFA)
- \* 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
- \* Comparison of the Standard UC-IPM Fireblight Treatment Model  
with the MARYBLYT Model  
Greg Vogel, UC Cooperative Extension, Sacramento
- \* Control of Codling Moth, Mites and Pear Psylla Using Insect  
Growth Regulators  
Benny Fouche, Extension Entomology, UC Berkeley

ADJOURN

## CURRENT HERBICIDE LABEL STATUS FOR ORCHARD CROPS

11/90

Herbicide Common Name (trade name) <sup>1</sup>	Almond Walnut	Apple Cherry	Nectarine Apricot	Grape	Klwl	Pear Peach	Pecan	Plstach	Plum	Prune
dichlobenil (Casoron)	-	R	2)	R	-	R	R	-	R	R
propionamide (Devrinol)	R	R	R	R	R	R	R	R	R	R
dipropylthiocarbamate (Eptam)	R	-	-	-	-	-	-	-	-	-
oxyfluorfen (Goal)	R	R	R	R	R	R	R	R	R	R
diuron (Karmex)	4)	5)	-	R	-	R	R	-	-	-
pronamide (Kerb)	-	R	2)	R	-	R	-	-	R	R
simazine (Princep)	R	R	-	R	-	R	-	-	-	-
pendamethalin (Prowl)	NB	NB	NB	NB	-	NB	-	NB	NB	NB
norflurazon (Solicam)	R	R	R	R	-	R	R	-	R	R
oryzalin (Surflan)	R	R	R	R	R	R	R	R	R	R
trifluralin (Treflan)	R	-	R	R	-	R	R	-	R	R
fluazifop (Fusilade)	NB	6)	R	NB	-	NB	NB	NB	NB	NB
MSMA	NB	NB	-	-	-	NB	-	-	NB	NB
sethoxydim (Poast)	NB	NB	NB	R	-	NB	NB	NB	NB	NB
glyphosate (Roundup)	R	R	R	R	R	R	R	R	R	R
2,4-D amine (Dacamine)	R	R	R	R	-	R	-	R	R	R
paraquat (Gramoxone)	R	R	R	R	R	R	R	R	R	R

Persimmons - propionamide and glyphosate only

R = Registered

- = Not Registered

NB = Registered in Nonbearing orchards

1) Other brand name products may be available

2) R - Nectarines only

3) R - Apricot only

4) R - Walnuts only

5) R - Apple only

6) NB-Apple, R-cherry

"Every effort has been made to provide correct, complete and up to date information. Nevertheless, changes in pesticide regulations occur constantly, and human error is still possible. These recommendations are not a substitute for pesticide labelling. Please read the label before applying any pesticide."

# SUSCEPTIBILITY OF WEEDS TO HERBICIDES

	Preemergence									Postemergence					
	Casoron	Karmex	Devrinol	Solicam	Surflan	Goal	Simazine	Treflan	Prowl	Roundup	MSMA	Gramoxone	2,4-D	Poast	Fusilade
<u>Annual Broadleaves</u>															
Cheeseweed (Malva)	C	P	P	P	P	C	P	N	N	P	N	P	P	N	N
Chickweed	C	C	C	P	C	N	C	N	N	C	N	C	P	N	N
Clover	P	P	P	N	N	P	C	N	C	C	N	P	P	N	N
Fiddleneck	C	C	C	P	C	C	C	C	N	C	N	P	P	N	N
Filaree	P	C	C	P	N	C	N	N	N	C	N	P	C	N	N
Flax-leaved Fleabane	C	N	N	N	N	N	C	N	N	C	N	P	C	N	N
Goosefoot	C	C	C	C	C	C	C	C	C	C	N	C	C	N	N
Groundsel	C	N	P	P	C	C	C	C	N	C	N	C	C	N	N
Henbit	C	C	N	P	C	C	C	C	C	C	N	C	P	N	N
Horseweed (Marestail)	P	N	N	N	N	N	C	C	N	C	N	P	C	N	N
Knotweed	C	C	C	P	C	P	C	C	C	C	N	P	P	N	N
Lambsquarter	C	C	C	P	C	C	C	C	N	C	N	C	C	N	N
Mustard	C	C	P	P	N	C	C	C	N	P	C	C	C	N	N
Nightshade	C	C	N	C	P	C	C	C	N	C	N	C	C	N	N
Pigweed	P	C	P	P	C	C	C	C	C	C	N	P	C	N	N
Prickly Lettuce	C	C	C	C	C	C	C	C	N	C	N	P	C	N	N
Puncturevine	C	P	N	C	C	C	P	P	P	C	N	C	C	N	N
Purslane	C	C	C	C	C	C	C	C	C	C	N	C	C	N	N
Shepherdspurse	C	C	N	P	N	C	C	C	N	C	N	C	C	N	N
Sowthistle	C	C	C	C	N	C	C	N	N	C	N	P	C	N	N
Spurge	C	P	N	C	C	C	P	C	C	C	P	P	P	N	N
Wild Radish	C	C	N	N	N	C	P	N	N	C	N	C	C	N	N
<u>Annual Grasses</u>															
Annual bluegrass	C	C	C	C	C	P	C	C	C	C	N	P	N	N	N
Barnyardgrass	P	C	C	C	C	P	C	C	C	C	P	P	N	C	C
Crabgrass	P	C	C	C	C	N	P	C	C	C	N	C	N	C	C
Ryegrass	N	C	C	C	C	N	N	C	C	C	N	P	N	C	C
Wild barley	C	C	C	C	C	P	C	C	C	C	N	P	N	C	C
Wild oats	P	P	C	C	P	P	C	P	C	C	N	P	N	C	C
Fescues	P	C	C	C	C	C	C	C	C	P	N	C	N	N	N
<u>Perennials</u>															
Field bindweed	P	N	N	N	P	N	N	P	P	P	N	N	P	N	N
Bermudagrass	P	N	N	P	P	N	N	P	P	C	N	N	N	P	P
Dallisgrass	N	N	N	N	N	N	N	N	N	P	C	N	N	C	C
Johnsongrass	N	N	N	C	N	N	N	N	P	C	C	N	N	C	C

C = Controlled  
 P = Partial Control  
 N = Not Controlled