



your Lake County HORTICULTURAL NOTES

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

February 1, 1988

ORCHARD THERMOMETER TESTING

The U. S. National Weather Service will be testing thermometers on Wednesday, March 2, 1988. Growers should bring their thermometers in by Monday, February 29th. Tested thermometers should be picked up by Friday, March 4, 1988.

New thermometer tags will be provided at the Farm Advisors Office. Thermometers will not be tested without your name on a new tag on each one. The following instructions will help you complete preparations for testing:

1. Remove thermometers from any containers.
2. Clean thermometers of all old tags, dirt, cobwebs, etc.
3. Transport thermometers vertically with bulb end down.

FRUIT FROST TELEPHONE NUMBERS

The Fruit Frost Report recordings are furnished by the Ag Commissioner's Office. The telephone numbers are available to growers by calling the Ag Commissioner's Office - 263-2271, the Farm Advisors Office - 263-2281, your local pear packing shed or winery. For your accessibility to these recordings, these numbers are unlisted and not available to the general public. PLEASE KEEP THEM CONFIDENTIAL! The general public has access to these reports from the following radio stations and respective schedules:

KNTI - beginning March 1 - 5:35, 7:35 and 9:35 P. M. (KNTI's reports are compiled independently by Bob Wallen, staff meteorologist.)

KIAH - beginning March 7 - 7:04, 8:04 and 9:04 P. M.

KUKI - " " " - 6:15 and 10:06 P. M.

KWTR - " " " - 12:00 and 5:00 P. M.

KXBX - " " " - 12:00, 5:00 and 8:00 P. M.

KWNE - " " " - 10:00 A. M. preliminary report
7:05, 8:05, 9:05, 10:05, 11:05 P. M. and
12:05 A. M.

Again, to allow you access to the recordings more readily, please refer your non-grower friends and neighbors to these radio schedules.

February 1, 1988

1988 WINTER PEAR MEETINGWHEN: Wednesday, February 24, 1988 - 9:00 A. M. - 12:00 P. M.WHERE: Lake County Board of Supervisors Chambers
255 N. Forbes, Lakeport, CA 95453

9:00 - Welcome & Announcements

9:05 - 9:45 - Advances in Frost Protection and Russeting
Bruce Bearden
UC Farm Advisor
Mendocino County9:50 - 10:30 - Spider Mite Resistance to Acaracides
Tongyan Tian
Dept. of Entomology
UC DavisBREAK10:50 - 11:35 - Codling Moth Mating Disruption Using Pheromone Confusion
Craig Weakley
UC Farm Advisor
Sutter-Yuba CountiesJohn Studdert
UC Area IPM Farm Advisor
Sutter-Yuba Counties11:45 - 12:00 - Overview of Pear Psylla Research of the Pacific Northwest
Rachel Elkins
UC Farm Advisor
Lake CountyADJOURN

2 hours PCA credit applied for

February 1, 1988

1988 LAKE COUNTY WALNUT UPDATE

WHEN: Wednesday, March 2, 1988 - 9:00 A. M. - 12:00 P. M.

WHERE: Lake County Board of Supervisors Chambers
255 N. Forbes, Lakeport, CA 95453

AGENDA

9:00 Welcome & Announcements

9:00 - 9:45 - Phytophthora Crown and
Root Rot

Dr. John Mircetich
USDA Plant Pathologist
UC Davis

9:50 - 10:30 - UC/USDA Walnut Breeding
Program

Dr. Gail McGranahan
USDA Walnut Breeder
UC Davis

BREAK

10:45 - 11:30 - Deep Bark Canker Disease
of Hartleys

Dr. Doug Gubler
UC Extension Plant Pathologist
UC Davis

11:35 - 12:15 - Fertilization Options

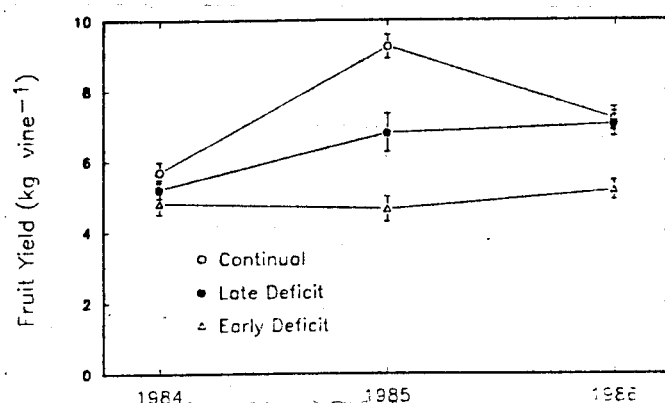
Joe Osgood
UC Farm Advisor
Tehama County

ADJOURN

2 hours PCA credit applied for

WITHHOLDING WATER - Part Two: Effect on Wine Quality

Last month, I discussed the effects of withholding water before or after veraison on yield. As I stated last month, treatments were applied on hillside Cabernet franc in Napa County by Dr. Mark Matthews of the Dept. of Viticulture and Enology at UC Davis. Four years of data showed that water withheld before veraison reduced final yield by 2 tons/acre as compared to continual irrigation or withholding water only after veraison. Here are the data to illustrate this. 1984 - 1986 are shown here:



I also promised to summarize treatment effects on "wine quality" factors. In doing so, and this must be emphasized, neither Dr. Matthews nor I is making any judgment as to what constitutes a "good" or "bad" quality factor. Test taste panel participants varied in their opinion as to which treatment produced the best wine. The decision to or not to promote certain chemical constituents is up to winemakers and growers.

EFFECT OF WATER DEFICIT ON WINE QUALITY

Wine Quality FACTOR	<u>CONTINUOUS</u> ¹	<u>EARLY</u> <u>DEFICIT</u> ²	<u>LATE</u> <u>DEFICIT</u>
PH	same	same	same
Potassium (K)	same	same	same
Anthocyanins	lowest	highest	higher
Phenolics			
juice & wine	lowest	highest	higher
skin	lowest	highest	higher
Tartaric acid	same	same	same
Malate	highest	lowest	higher
Tartaric:malate	lower	highest	lower
Proline	lower	lower	highest
ABA	lower	?	higher
Color			
juice & wine	lowest	highest	higher
T-coutaric (wine)	lowest	?	highest

- 1 = continuous = irrigated through the season
 2 = early deficit = water withheld up to veraison
 3 = late deficit = water withheld after veraison

WEED IDENTIFICATION AND CONTROL

Mendocino County Farm Advisor, Glenn McGourty, is sponsoring two field meetings:

*FIELD CROP TREE AND VINE
UC Hopland Field Station
4070 University Road
Hopland, CA 95449

(1/4 mile north of Hwy. 175 on Eastside Road)

Thursday, February 18, 1988

10:00 A. M. to 12:00 P. M.	"Field Crop Weeds" identification and control - Larry Mitich, UCCE, UC Davis
1:00 to 3:00 P. M.	"Tree and Vine Weeds" identification and control - Glenn McGourty, UCCE Mendocino County

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*STOCK POISONING PLANTS
UC Hopland Field Station
4070 University Road
Hopland, CA 95449

Thursday, February 25, 1988

10:00 A. M. to 12:00 P. M.	"Stock Poisoning Plants" identifying symptoms and treatment - Dr. Murray Fowler, UC School of Veterinary Medicine
1:00 to 3:00 P. M.	"Poisonous Home and Garden Plants" how to identify - Glenn McGourty, UCCE Mendocino County

*4 PCA credits for both meetings

Here is an opportunity to learn "what's out there" so you can develop the most cost effective and successful weed control program for your particular situation. Call me for directions to the station if you plan to attend. For tree and vine growers, note particularly: TREE AND VINE WEEDS, IDENTIFICATION AND CONTROL, Thursday, February 18, 1:00 - 3:00 P. M.

PESTICIDE HOTLINE OPENED BY EPA

The Environmental Protection Agency (EPA) has funded a National Pesticide Telecommunication Network hotline in Lubbock, Texas, which provides 24-hour service. Hotline staff will answer questions about pesticide poisoning treatment, relevant pesticide ingredients for particular problems, safe use practices, toxicity and other pesticide-related information. Relevant articles or brochures will be sent free of charge to callers. The Hotline number is 1-800/858-7378.

CALIFORNIA AGRICULTURAL COMPUTING CONFERENCE AND TRADE SHOW

March 22 - 23, 1988

The California Agricultural Computing Conference and Trade Show will provide in-depth information on the effective use of computers in agricultural production and agribusiness management. The conference features

- . 24 educational sessions featuring topics most requested by growers and agribusiness professionals.
- . Concurrent Sessions are offered for new, intermediate and advanced users.
- . A concurrent two-day trade show will feature 38 agricultural computing vendors and
- . small-group demonstrations of accounting and crop production software.

Conference topics include:

- . How to Buy Software
- . Spreadsheets for Investment Analysis
- . Troubleshooting Spreadsheets
- . Irrigation Management
- . Computerized Information Services
- . Banker Panel Discussion: What Do Lenders Want?
- . Can Computerized Reports Help?
- . Grower Panel Discussion: Learn First-Hand About Progress and Pitfalls
- . Payroll and Immigration
- . Shareware and Public Domain Software
- . Buying Hardware on a Bare-Bones Budget
-And many more

A concurrent trade show will feature software and hardware designed for agricultural applications. Representatives from over 40 companies will display and demonstrate their products.

Sponsors are the Valley Agricultural Computing Group, in association with the University of California Cooperative Extension and California State University.

For more information, contact the Fresno UC Cooperative Extension Office at (209) 488-3285, or call us at 263-2281.

CACC '88

MARCH 22 - 23, 1988 • Centre Plaza
Holiday Inn, Fresno, California

REGISTRATION FORM

Amount Enclosed: \$ _____

Please return this completed form with
a check made payable to:

CACC
U.C. Cooperative Extension
1720 S. Maple Ave.
Fresno, CA 93702

REGISTRATION INFORMATION

Registration fees will be
accepted as follows:

Before March 1:

Two-Day fee - \$35

One-Day fee - \$25

After March 1:

Two-Day fee - \$45

One-Day fee - \$35

Name _____

Organization _____

Mailing Address _____

City _____ State _____ Zip _____

Day Phone (____) _____

PLEASE REGISTER BY MARCH 1