



December 29, 1987

# your Lake County HORTICULTURAL NOTES

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

TO: Kiwifruit Growers

FROM: Rachel Elkins  
Farm Advisor*Rachel Elkins*

## LAKE COUNTY KIWIFRUIT UPDATE

- Special Local Need (SLN) - Kocide 101 for frost protection
- Pruning Demonstration and Boxelder Bug Update
- Kiwifruit Culture Publication
- Grower Survey

### Kocide 101 Registered to Control Ice-Nucleating Bacteria

In cooperation with Don Tompkins, Agricultural Commissioner, we have obtained a Special Local Need (24C) Registration for the use of Kocide 101 copper fungicide on kiwifruit. The copper will kill ice-nucleating bacteria and hence depress the freezing point to protect vulnerable wood from frost damage. According to Dr. Steve Lindow, UC Berkeley Plant Pathologist, the copper will be effective down to 23°F only. The purpose of this registration was to protect wood that had not hardened off yet in the fall. Dr. Lindow has successfully protected other crops such as pear from spring frost damage. Temperatures in Lake County have already dropped below 23°F this fall and plants have hardened off. The registration can be renewed next year if it is effective. Two vineyards in the Kelseyville area were treated in early December and I will keep growers informed as to how treated vs. untreated vines fared.

Attached is a copy of the 24C. Note especially the DOSAGE, DILUTION RATE, and FREQUENCY/TIMING OF APPLICATION. NOTE: You must get user authorization from the Department of Agriculture before applying the copper, so contact me if you are interested.

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Pruning Demonstration and Boxelder Bug Discussion

Dr. Jim Beutel and Paul Vossen, Farm Advisor in Sonoma County will host a field meeting on Wednesday, January 6, from 9:30-12:00 noon. A meeting announcement with map is attached. I will attend and I would be happy to carpool if anyone is interested. Please call me by Tuesday, January 5th to make arrangements - or see you there!

Kiwifruit Culture

This book, one of very few comprehensive references, is being offered by Ag Access, a bookstore in Davis (916-756-7177). It can also be mail ordered. An announcement is attached, and you may call me for an order form.

Research/Educational Priorities Survey

This survey has been completed by many growers. Please help me plan future programs for you. Add kiwifruit to the right-hand column (other crops). If you have filled it out - please ignore this! Thank you.

RE:kss

Enclosures

# RESEARCH/EDUCATION PRIORITIES

<u>TOPIC</u>	Name (optional) _____			
	<u>CROP</u>			
	<u>Grapes</u>	<u>Pears</u>	<u>Walnuts</u>	<u>Other Crops (list)</u>
1. Rootstocks/varieties	_____	_____	_____	_____
2. Nutrition/fertilization	_____	_____	_____	_____
3. Spacing/trellising	_____	_____	_____	_____
4. Pruning/thinning	_____	_____	_____	_____
5. Irrigation	_____	_____	_____	_____
6. Pest Management	_____	_____	_____	_____
Insects	_____	_____	_____	_____
Diseases/nematodes	_____	_____	_____	_____
Weeds	_____	_____	_____	_____
Vertebrates	_____	_____	_____	_____
7. Pesticide application/safety	_____	_____	_____	_____
8. Equipment/harvest operations	_____	_____	_____	_____
9. Post-harvest problems	_____	_____	_____	_____
10. Alternative practices/sustainable agriculture (or organic methods)	_____	_____	_____	_____
11. Farm Management/Economics	_____	_____	_____	_____
12. Labor/personnel Management	_____	_____	_____	_____
13. Marketing	_____	_____	_____	_____
14. Computer applications in farming	_____	_____	_____	_____
15. Other	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

Rate up to 5 choices per crop; 1 = most important; 5 = least important

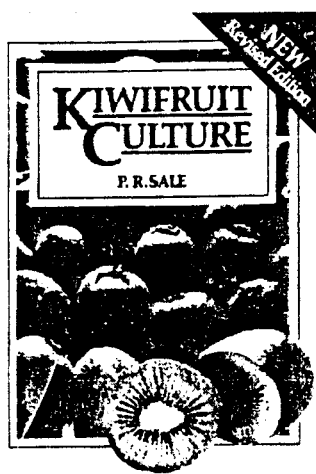
Comments:

# KIWIFRUIT CULTURE

by P.R. Sale

A beautifully illustrated guide to the culture and utilization of this unique fruit. The information on all aspects of growing Kiwi will be very useful to both commercial and home growers. The only up-to-date and complete reference work on the Kiwi.

**ONLY AVAILABLE FROM agAccess**



*"This is the only good reference I've seen on Kiwi growing. Full of useful information for the commercial or small scale grower. The color photos are terrific and very useful for problem solving and identification."*

Wayne V. Phillips  
Sutter Butte Farms

This useful reference contains information on climatic requirements, windbreak design, propagation, support structures, and pruning. Good coverage of trellis designs, nutritional requirements with color photos of deficiencies, and a helpful section on thinning. A discussion of pollination strategy covers both male plant placement and bee management. Harvest and handling methods are covered and several kiwifruit recipes are included. The ample use of color photos is especially helpful for illustrating cultivar differences and to identify insect, disease, and environmental problems. References are listed covering additional technical info on Kiwi.

Color photographs, 96 pages, softcover. NZE009 \$14.95

## DEPARTMENT OF FOOD AND AGRICULTURE

1220 N Street  
Sacramento, CA 95814

PRB #87-190



December 11, 1987

ID #3P 106421

TO: COUNTY AGRICULTURAL COMMISSIONERS

SUBJECT: Special Local Need Registration No. CA 870082  
Kocide 101, EPA Reg. No. 1812-288  
Kiwifruit Vineyards/To Control Ice Nucleating  
Bacteria

The subject third-party special local need registration was issued effective December 11, 1987. This registration will be valid until withdrawn, suspended, or cancelled by the EPA, the manufacturer, the 24(c) registrant or the California Department of Food and Agriculture.

If you should have any questions, please contact Margaret Reiff at (916) 322-3685.

Sincerely,

*Margaret Reiff*  
for

Regina Sarracino  
Supervisor of Registration  
Pesticide Registration Branch  
(916) 322-3685

Enclosures

cc: Ferial Bishop, EPA  
Ms. Martine Albritton, Griffin Corporation

If you need to add this Section 24(c) to the pesticide file for use with the computerized permit programs, the assigned number is 622.

## DEPARTMENT OF FOOD AND AGRICULTURE

1220 N Street  
Sacramento, CA 95814

SLN #CA 870082



December 11, 1987

REGISTRATION FOR SPECIAL LOCAL NEED  
FOR DISTRIBUTION AND USE ONLY WITHIN CALIFORNIA

Trade Name: Kocide 101

EPA Reg. No. 1812-288-AA

Firm Name: Griffin Corporation

## DIRECTIONS FOR USE

It is a violation of federal law to use this product  
in a manner inconsistent with its labeling.

Location: Statewide

Crop/Site/Commodity: Kiwifruit vineyards

Target Pest/Problem: Ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola*, *Pseudomonas fluorescens*)

Dosage: Apply 8 pounds of product (6<sup>1/2</sup> lbs. a.i.) per acre.

Dilution Rate: Apply in 200 gallons of water per acre.

Method of Application: Ground

Frequency/Timing of Application: Apply just prior to anticipated frost conditions. Make applications on a monthly basis. A maximum of 3 applications may be made. **ENDS 10 FEBRUARY. MAKE SURE THIS**

Field Reentry After Application: Do not enter treated areas until spray residue has dried, need not exceed 24 hours.

Preharvest Interval: N/A

Other Requirements: None

Valid until withdrawn, suspended or cancelled by the EPA, the manufacturer, the 24(c) registrant, or the Department of Food and Agriculture.

All applicable directions, restrictions, and precautions on the EPA-registered label(s) are to be followed.

This labeling must be in the possession of the user at the  
time of pesticide application.

Authorization must be obtained from the county agricultural commissioner prior to this use. This does not constitute a recommendation of the Department of Food and Agriculture and will not prevent quarantine action if illegal residues are found on or in the crop.

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Neither the Department nor the county agricultural commissioner, the manufacturer or formulator makes any warranty of merchantability, fitness of purpose, or otherwise, expressed or implied, concerning the use of a pesticide in accordance with these provisions. The user and/or grower acknowledges the preceding disclaimer and accepts liability for any possible damage resulting from this use. Do not use in mixture with other pesticides unless provided for in the labeling. Trial on a small area to check out unanticipated problems is suggested.

24(c) Registrant: Lake County Department of Agriculture

EPA SLN No.: CA 870082

*Margaret Reiff*

*for*

Regina Sarracino, Supervisor of Registration  
Pesticide Registration Branch  
(916) 322-3685

USE AUTHORIZED BY \_\_\_\_\_ Date \_\_\_\_\_

USER'S SIGNATURE \_\_\_\_\_

COOPERATIVE EXTENSION  
UNIVERSITY OF CALIFORNIA  
SONOMA COUNTY

2604 VENTURA AVENUE-ROOM 100-P  
SANTA ROSA, CALIFORNIA 95403  
TELEPHONE: (707) 527-2621  
4-H (707) 527-2681

December 21, 1987

To: All North Coast Kiwi Growers

Fm: Paul Vossen/Farm Advisor

*Paul Vossen*

Re: 1988 Kiwi Pruning Demonstration

When: Wednesday, January 6, 1988

Time: 9:30 a.m. - 12:00 noon

Where: Ron Dick Vineyard

Belle Terre Ranch

1 mile down East Soad Rock Road - Watch for parking signs

Speakers & Topics: Pruning and More - Jim Beutel, U.C. Extension  
Specialist, U.C. Davis

Boxelder Bugs - Paul Vossen, U.C. Farm Advisor,  
Sonoma County

