



INSTITUTE OF FOOD AND  
AGRICULTURAL SCIENCES  
UNIVERSITY OF FLORIDA

FLORIDA  
COOPERATIVE  
EXTENSION SERVICE

## PACKINGHOUSE NEWSLETTER

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Packinghouse Newsletter No. 142  
October 11, 1985

Key Index Words: Chemicals, Pesticides, Right-To-Know Law, Safety

### FLORIDA RIGHT-TO-KNOW LAW

There are nearly 2000 chemicals on the Florida Substance List, which is the list of chemicals to be considered by the Florida Right-To-Know Law, Chapter 442 of the Florida Statutes. You may obtain a copy of the law and list by calling the Toxic Substances Information Center (800) 367-4378.

Florida citrus packers have only a few of these chemicals in or near the packinghouses. In order to reduce the number of chemicals to consider, the ones you might have are listed below, and each of you will have only a few of them.

It should be noted that citrus packers may be exempt from most or all of these chemicals.

The statute specifies in 442.103.4(h) "Substances or mixtures which may be toxic but which are labeled pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, as amended; the Federal Food, Drug and Cosmetic Act, as amended; and the Federal Resource Conservation and Recovery Act of 1976" are exempt from this law.

Further, the Florida Substance List includes Chapter 38F-41, Florida Administrative Code which states that additional exclusions may be found in 38F-41.04(3)(d) "Fossil fuels in fuel tanks, engines, and other operating systems of vehicles where the substances are present only in amounts and forms substantially equivalent to the amounts and forms generally available to consumers." and (e) "Fossil fuels used for heating, or power generation purposes, such that employees are not exposed to fumes or combustion by-products."

USE	SUBSTANCE
Fungicides, Sanitizers, Solvents & Buffers	Benomyl Biphenyl (Diphenyl) Chlorine Chlorine Dioxide Calcium Hydroxide Calcium Hypochlorite Di-sec-Butylamine Hydrochloric Acid Naphthalene Benzin (Naphtha) Sodium Chlorite Sodium Hydroxide
Fumigant	Formaldehyde
Color-add	Citrus Red No. 2
Degreening	Ethylene Ethyl Alcohol
Refrigeration	Ammonia Freon 12-82 Freon 21
Welding	Acetylene
Fuels	Gasoline Kerosine Petroleum

The Florida Right-To-Know Law requires extensive record keeping and employee education and training. It also provides for civil penalty for violation of the act. Florida citrus packers have an excellent record of concern for employees and for safety. This law emphasizes the need for employee awareness and training to maintain safe conditions.

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BOOK REVIEW

Postharvest Technology of Horticultural Crops is a new (1985) book written by faculty at the University of California, Davis. This 192 page paperback 8-1/2 x 11 inch book includes over 100 commodities in a thorough 8 page index. Twenty-seven high quality color photographs are included in the chapter on postharvest diseases.

The topics covered in 30 chapters are too numerous to mention in this brief review. They do include chapters on general topics such as packaging, storage, ethylene and transportation as well as commodity groups such as vegetables, grapes, subtropical fruits and ornamentals.

This reviewer has found occasion to read and study the material in this book. Extensive figures and tables complement the discussion found in the text. There is much to be learned from Postharvest Technology of Horticultural Crops.

This book will be valuable to both students and the postharvest horticulture industry. It includes current scientific information presented in an easily understandable format and applied to commercial situations. See Available Publications for information on ordering.

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AVAILABLE PUBLICATIONS

Available from Dr. W. Wardowski, CREC, 700 Experiment Station Road,  
Lake Alfred, FL 33850

"A damage test for oranges in a commercial packinghouse line" by M. L. Parker, W. F. Wardowski and D. H. Dewey. Proc. Fla. State Hort. Soc. 97:136-137. 1984.

"Economics of weight bagging machines for Florida citrus packinghouses" by R. P. Muraro and W. F. Wardowski. Proc. Fla. State Hort. Soc. 97:103-105. 1984.

"Use of chlorine and chlorine dioxide in Florida citrus packinghouses to reduce inoculum of decay pathogens" by G. Eldon Brown and W. F. Wardowski. Proc. Fla. State Hort. Soc. 97:97-100. 1984.

"Trace metal determination in 'Marsh' grapefruit peel by automated fast sequential inductively coupled plasma atomic emission spectrometry" by S. Nikdel and S. Nagy. Spectroscopy Letters 18(8):643-653. 1985.

Available from Dr. W. Wardowski, CREC, 700 Experiment Station Road,  
Lake Alfred, FL 33850

"Energy content of waste materials in Florida citrus packinghouses by W. M. Miller and R. J. Braddock. Proc. Fla. State Hort. Soc. 97:94-95. 1984.

"Solar drying coupled with solid desiccant energy storage" by William M. Miller. Transactions of the ASAE (Vol. 28, No. 2, pp. 649-656. 1985)

Available from ANR Publications, University of California, 6701 San  
Pablo Avenue, Oakland, CA 94608-1239

"Postharvest technology of horticultural crops" by A. A. Kader, Coordinating Editor, University of California, Davis. 192 pages. \$20.00 including U. S. postage payable to "The Regents of the University of California."

**Outside the United States:** Please do not send payment; request a Pro Forma Invoice which will include all postage and handling charges. Indicate the number of copies desired and whether they should be shipped by surface or air mail. Please be prepared to make your payment in U.S. dollars through a bank located in the United States.

**Please note:** A 20 percent discount is given on orders of 10 to 49 copies, and a 25 percent discount on orders of 50 to 99 copies sent to one address. Special discounts are available on orders of 100 or more copies. These rates and a schedule of commercial bookseller discounts are available on request.

Available from Dr. H. J. Kaplan, Pennwalt Corporation, Decco Tiltbelt  
Division, 1713 S. California Ave., Monrovia, CA 91016

"The relationship between OPP residues, fruit condition, and decay rates of oranges and lemons" by C. M. Smithwick and H. J. Kaplan. Proc. Fla. State Hort. Soc. 97:335-337. 1984.

Available from Irradiated Foods Report, ACSH, 47 Maple Street, Summit,  
New Jersey 07901

"Irridated Foods" by Kathleen A. Meister, American Council on Science and Health. July, 1985. 34 pages. U. S. residents include self-addressed, stamped (39 cent postage), business-size (#10) envelope to obtain single copy. People with overseas requests are encouraged to include a contribution to cover postage.

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