



INSTITUTE OF FOOD AND
AGRICULTURAL SCIENCES
UNIVERSITY OF FLORIDA

FLORIDA
COOPERATIVE
EXTENSION SERVICE

PACKINGHOUSE NEWSLETTER

W. Wardowski, Editor
AREC
700 Experiment Station Road
Lake Alfred, FL 33850
Phone (813) 956-1151

Packinghouse Newsletter No. 134
October 19, 1983

Key Work Index Imazalil, Resistant Molds

IMAZALIL, A NEW FUNGICIDE

Full registration of imazalil has been approved for citrus with a tolerance of 10 ppm on a whole fruit basis. Treated fruit may be utilized for juice and by-products. Imazalil is approved in many countries importing Florida citrus with notable exceptions of Japan, Great Britain, Luxemburg, Poland and Italy. Current approvals may be obtained by contacting this Center or Janssen R & D (see below).

Imazalil is quite effective against Penicillium digitatum (green mold) including benzimidazole-resistant strains, less effective than benomyl (Benlate) or thiabendazole (TBZ) for stem-end rot control, and ineffective against sour and brown rot. Best decay control is obtained when imazalil is applied in water to non-degreened fruit. Imazalil is most beneficial where resistant molds are known to be present. It will eradicate these strains which may accumulate in the packinghouse.

Companies wishing to distribute imazalil, but not currently having an EPA-approved label and trade name, should contact: Mr. William R. Goodwine, Agricultural Products Manager, Janssen R & D, 501 George Street, New Brunswick, NJ 08903, Phone: (201) 524-9706. Suppliers are reminded that all postharvest citrus chemicals must be registered with the Division of Fruit and vegetable Inspection, P.O. Box 1072, Winter Haven, FL 33880, Phone: (813) 294-3511 (see Packinghouse Newsletter No. 109, March 13, 1980).

Eldon Brown
Florida Department of Citrus
Lake Alfred

FLORIDA STATE HORTICULTURAL SOCIETY.

The annual meeting of the Florida State Horticultural Society will be November 1-3, 1983 at the Plaza Hotel, Daytona Beach. The topics for the Handling and Processing Section are listed below.

Wednesday morning, November 2

North American Citrus Juice Reprocessing Activities outside of Florida

Accurate Compilation of Brix, Apparent Specific Gravity, Apparent Density, Weight, and Pounds Solids of Sucrose Solutions

Inter-relationship of ⁰Brix, Brix-Acid Ratio, Naringin and Limonin in Commercial, Canned, Single Strength Grapefruit Juice

Processing Muscadine Grapes into Raisins

Wednesday afternoon, November 2

Mobile Processing Line for Southeastern Grapes - Status and Plans

Lethal Effects of Cold Storage Temperatures on Caribbean Fruit Fly in Grapefruit

Compositional Changes in the Peel of Dancy Tangerine and Marsh Grapefruit at Various States of Maturity

Evaluation of Van Containers for Cold Treatment of Citrus Fruit

Atmospheric Levels of Ethylene Dibromide at Citrus Fumigation Stations and Port Warehouses

Impact of Postharvest Handling Procedures on Soft Rot Decay in Bell Peppers

Effect of Scrubbing Ethylene During Storage of Tomatoes

Effect of Bloom Date on Some Quality Factors of 'Tahiti' Limes

Thursday morning, November 3

The Effect of Storage Conditions and Wax Treatment on the Compressive Strength of Corrugated Fiberboard Peach Boxes

Israeli and Egyptian Citrus Processing Observations

Observations on Citrus in China

Physiological Assessment of Individually Seal-Packaged Citrus Fruits

Status of Film-Wrapping of Citrus in Florida

Delaying Deterioration of Broccoli and Cucumber Using Polymeric Films

Decay, Firmness and Color Development of Florida Bell Peppers Dipped in Chlorine and Imazalil and Film Wrapped

Film Wrapping and Decay of Eggplant

Control of Florida Citrus Decays with Guazatine

Thursday afternoon, November 3

Fungicides for Postharvest Decay Control in Loquats

Control of Black-Rot in Inoculated Citrus Fruit

Control of Chaff Scale on Dancy Tangerine

Discussion Session: Update on Automation in Processing and Handling.

Automated Juice Room Control Systems. K. Fox, FMC Corporation, Lakeland.

Automation in Handling and Packing of Fruits and Vegetables. J. Gaffney, Agricultural Research Services, U.S.D.A., Gainesville.

Eldon Brown
FSHS Section Vice President
Lake Alfred

DR. ISMAIL HONORED

The 1983 Florida Fruit & Vegetable Association Annual Research Award was presented to Dr. Mohamed A. Ismail "In recognition of his outstanding contribution to the Florida citrus industry in solving fumigation problems associated with foreign and domestic grapefruit shipping." As most of the readers of this newsletter know, Dr. Ismail is a Florida Department of Citrus scientist at Lake Alfred and is an excellent choice for this award.

Editor

AVAILABLE PUBLICATIONS

Available from Dr. W. Wardowski, Agricultural Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL 33850

"Resistance of decay fungi to benzimidazole fungicides used in Florida packing-houses" by G. Eldon Brown Reprinted from: Proc. Fla. State Hort. Soc. 95:239-242. 1982.

Membership application for Florida State Horticultural Society. Members receive the annual proceedings by mail approximately 6 months following the meeting.

"Postharvest creasing of 'Robinson' tangerines" by S. Nagy, W. F. Wardowski and R. L. Rouseff Reprinted from: Proc. Fla. State Hort. Soc. 95:237-239. 1982.

"Effects of film thickness and storage temperature on water loss and internal quality of seal-packaged grapefruit" by A. C. Purvis, J. Amer. Soc. Hort. Sci. 108(4):562-566. 1983.

Proceedings of the symposium: "The influence of mechanical harvesting on the quality of horticultural crops" 70th Annual Meeting, Ames, Iowa, August 13, 1982. HortScience, Vol. 18(4), August 1983. pp. 405-424.

Available from Dr. T. A. Kucharek, Plant Pathology Dept., 1453 HS/PP, University of Florida, Gainesville, FL 32611

"Citrus scab" by T. Kucharek and J. Whiteside PP-28 Florida Cooperative Extension Service

"Melanose and Phomopsis stem-end rot of citrus" by T. Kucharek, J. Whiteside, and G. E. Brown PP-26 Florida Cooperative Extension Service

Available from David J. Hall, Agri-Chem, Inc., P. O. Box 17477, Orlando, FL 32860

"Practical considerations of the Federal Insecticide, Fungicide, and Rodenticide Act for fruit and vegetable packers" by D. J. Hall. Reprinted from Proc. Fla. State Hort. Soc. 95:210-213. 1982.

W. Wardowski

W. Wardowski, Editor
Professor
Extension Horticulturist

This newsletter is published at a cost of \$85.26 or 6 cents per copy, to give the latest news to the packinghouse industry.