

**INSTITUTE OF FOOD AND  
AGRICULTURAL SCIENCES**  
UNIVERSITY OF FLORIDA

**FLORIDA  
COOPERATIVE  
EXTENSION SERVICE**

## **PACKINGHOUSE NEWSLETTER**

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Key Index Words: Packinghouse Day Program

**TWENTY-FIFTH ANNUAL  
CITRUS  
PACKINGHOUSE  
DAY**

**SEPTEMBER 4, 1986**

**CITRUS RESEARCH AND EDUCATION CENTER  
700 EXPERIMENT STATION ROAD  
LAKE ALFRED, FLORIDA 33850**

**REGISTRATION 8:30 AM**

**PROGRAM 9:30 AM**

**EXHIBITS - AFTERNOON**

### **WELCOME**

Walter J. Kender  
Horticulturist and Director  
Citrus Research and Education Center  
Lake Alfred, Florida

### **INTRODUCTORY REMARKS**

Dan L. Gunter  
Executive Director  
Florida Department of Citrus  
Lakeland, Florida

### **PRESIDING**

Larry K. Jackson, Chairman  
Fruit Crops Department - IFAS  
University of Florida  
Gainesville, Florida

## TRENDS AND MARKETING

FRESH CITRUS TRENDS: SOME SUPPLY DEMAND CONSIDERATIONS - Gary Fairchild, Extension Service, IFAS, Gainesville; Mark Brown, Florida Department of Citrus, Gainesville; and Dan Gunter, Florida Department of Citrus, Lakeland

QUALITY AND THE FUTURE OF FLORIDA FRESH FRUIT - Carl S. Fetzer III  
M. W. Fruit Company, Vero Beach

MANAGEMENT OF CITRUS TREE/FRUIT COLD HARDINESS - G. Yelenosky and  
C.J. Hearn, USDA, ARS, Horticultural Research Laboratory, Orlando

## QUARANTINE AND CITRUS CANCER

CARIBBEAN FRUIT FLY: STATUS OF FLY FREE ZONES - Leon Hebb,  
Assistant Chief Pest Eradication and Control, Winter Haven and Ru  
Nguyen, Entomologist Methods Development, Division of Plant  
Industry, Florida Department of Agriculture and Consumer Services,  
Gainesville

COLD TREATMENT AND METHYL BROMIDE FUMIGATION OF FLORIDA GRAPEFRUIT  
DURING THE 1985 - 1986 SEASON - Mohamed Ismail and David Dezman,  
Florida Department of Citrus, Lake Alfred; Tim Hatton and Bill  
Miller, USDA, ARS Horticultural Research Laboratory, USDA, Orlando

THE CHANGING CITRUS CANCER REGULATIONS - Ken Bailey, State  
Regulatory Director and Richard Jackowski, Deputy Regulatory  
Director, Citrus Canker Project, Winter Haven

## MACHINERY

HARVESTING AID FOR FRESH FRUIT ? MAYBE - Will Wardowski, Fruit  
Crops Extension Service, Bill Wilson, Florida Department of Citrus  
CREC, Lake Alfred and Erroll Fielding, Orange-Co of Florida, Lake  
Hamilton

AUTOMATIC SPECIFIC GRAVITY SEPARATION - Bill Miller, CREC Lake  
Alfred

ELECTRONIC GRADING AND SIZING CONCEPTS - Kalman Peleg, Technion  
Israel Institute of Technology Haifa Israel. On sabbatical leave at  
the University of Florida's CREC, Lake Alfred

GROWTH AND EXPANSION THRU COOPERATIVE EFFORT - Michael Cushman,  
General manager, Sun Citrus, Ft. Pierce

## FRUIT QUALITY AND DECAY CONTROL

CHEMICAL CHANGES DURING GRAPEFRUIT CHILLING INJURY - Roy McDoNald, Ann King, USDA, ARS, Agricultural Research Service, Orlando

POSTHARVEST USE OF SUGARS AND CITRIC ACID BY GRAPEFRUIT - Ed Echeverria, CREC, Lake Alfred

APPLICATION OF FUNGICIDES DURING DEGREENING FOR DECAY CONTROL - G. Eldon Brown, Florida Department of Citrus, CREC, Lake Alfred and John Craig, Division of Fruit and Vegetable Inspection, Florida Department of Agriculture and Consumer Services, Winter Haven

EXHIBITS - Will Wardowski, Fruit Crops, Extension Service, CREC, Lake Alfred

## EXHIBITS

GA APPROVED FOR MINNEOLA TANGELO - Mohamed Ismail, Florida Department of Citrus, CREC, Lake Alfred

AUTOMATIC SPECIFIC GRAVITY SEPARATION - Bill Miller, CREC, Lake Alfred

THE FCC PRODUCE PACKAGING SYSTEM - Kalman Peleg, Tecnion Israel Institute of Technology Haifa Israel. On Sabbatical leave at the University of Florida's CREC, Lake Alfred

CITRUS CANCER PROJECT DISCUSSION - Ken Bailey, State Regulatory Director and Richard Jackowski, Deputy Regulatory Director, Citrus Canker Project, Winter Haven

ADVERTISING FOR FRESH FRUIT - Harry Rixman, Florida Department of Citrus, Lakeland

MACH-II COMPUTER MANAGEMENT AID FOR CITRUS HARVEST - Dave Shoup, Agricultural Engineering Department, University of Florida, Gainesville

One year ago we were concerned with citrus canker strain E and the effects on the fresh citrus fruit and overall citrus industry. This July the presence of citrus canker strain A (Asian strain) was confirmed in dooryard and commercial citrus plantings near the Florida west coast. The presence of this bacterial disease has resulted in the most severe regulations and destructive controls imposed on the citrus industry in the memory of virtually everyone in the citrus industry. The citrus canker state and federal regulators will be

available during the afternoon equipment displays to answer questions about the current status of citrus canker and the resulting regulations.

Other concerns continue to be important, but receive less publicity. Topics on the Twenty-fifth Citrus Packinghouse Day program include fresh fruit trends, marketing, quarantine, citrus canker, machinery, fruit quality and decay control. These topics are also featured in the non-commercial afternoon equipment displays. The commercial displays are educational and the exhibitors expended a large effort for a short amount of your time. It is to your benefit to visit as many displays as possible after lunch.

Several important personnel changes have occurred in the last year. Please welcome Dr. Ed Echeverria as our newest faculty member in fresh fruit research, and Dr. Kalman Peleg as a visiting professor from Israel as he completes his sabbatical at Lake Alfred. We are presently recruiting to fill another citrus fresh fruit handling research position, so perhaps a year from now you will meet another faculty member. Finally, Dr. Larry Jackson was recently appointed Chairman, Fruit Crops Department, IFAS, is my new boss, and is the moderator for the morning program.

Will Wardowski  
Extension Service  
Lake Alfred


#### AVAILABLE PUBLICATIONS

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

"Twenty-fifth Annual Citrus Packinghouse Day," W. F. Wardowski.  
(ed). (Program and Abstracts.) 1986.

Available from W. M. Miller, CREC, 700 Experiment Station Road. Lake  
Alfred, FL 33850

"Evaluation of Solar Demonstration Projects for Florida Citrus  
Packinghouses"

  
W. Wardowski, Editor  
Professor  
Extension Horticulturist