



INSTITUTE OF FOOD AND
AGRICULTURAL SCIENCES
UNIVERSITY OF FLORIDA

FLORIDA
COOPERATIVE
EXTENSION SERVICE

PACKINGHOUSE NEWSLETTER

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Key Word Index Blue Albedo, Gift Fruit Day

BLUE ALBEDO

We have had numerous calls this season from citrus packers, County Extension Agents, consumers and dooryard citrus homeowners about a mysterious blue color in citrus albedo (normally the white portion of the peel). Reports this season are for grapefruit, which is most common, but this condition has been previously seen in other types of citrus.

This condition is called blue albedo and is found in fruit from trees in poorly drained areas when there is excessive rainfall placing the tree under stress. Excessive fertilization sometimes will also contribute to its occurrence. We hear about this condition every season, however, heavy rains have contributed to reports from all areas of Florida and a greater frequency of blue albedo in the fruit.

Blue albedo may be in the albedo, vascular bundles, segment walls and occasionally the juice sacs. It is found only in mature fruit, generally from March to June. The blue color is a naturally occurring water soluble pigment, probably an anthocyanin similar to those found in blueberries and sweet cherries. We have no reason to believe that it is harmful to eat fruit with blue albedo.

Will Wardowski
Extension Service

Jerry Ting
Florida Department of Citrus
Lake Alfred

1983 POSTHARVEST MEETINGS AT LAKE ALFRED

Citrus Gift Fruit Day	Thursday, May 19, 1983
Citrus Packinghouse Day	Wednesday, September 7, 1983
Citrus Packers Short Course	Thursday, September 8, 1983

DR. GRIERSON RETIRES

Dr. Bill Grierson, the senior member of the fresh fruit team at Lake Alfred retired at the end of 1982. His contributions include: a letter to citrus packers in 1965 which was the first Packinghouse Newsletter; modification of degreening conditions; designing the modern degreening room which is now standard throughout Florida and other citrus growing areas; transition to and standardization of pallet boxes, correlation of grapefruit chilling injury to fruit maturity; packingline machinery modifications, helping to establish the group now known as the Florida Citrus Packers; diagnosing several physiological disorders of citrus fruit; aiding the clearance of postharvest fungicides in the United States and abroad; education of consumers on the use of pesticides and cosmetic treatments and many other items of importance.

The Florida Citrus Packers recognized Dr. Grierson in December with the following Resolution:

WHEREAS, Dr. William Grierson has announced his intention of retiring after 30 years with the University of Florida's Agricultural Research and Education Center at Lake Alfred, and

WHEREAS, in that time he has contributed greatly to areas of quality control, harvesting and preparation and packaging of fresh citrus, and

WHEREAS, the results of his many studies through the years are attested to by the hundreds of published articles and papers contained in refereed and nonrefereed journals, and

WHEREAS, he is recognized around the world as an authority on matters pertaining to fresh citrus.

NOW, THEREFORE, BE IT RESOLVED by members of the Executive Committee of the Florida Citrus Packers, in meeting duly assembled, that we do take this opportunity to thank Dr. William Grierson for his long service and many contributions to the citrus industry of Florida and that this resolution be presented to Dr. William Grierson as a token of the high regard with which he is held by citrus industries here and elsewhere.

BE IT FURTHER RESOLVED that a copy of this Resolution be placed upon the minutes of this meeting.

Unanimously adopted December 1, 1982.

Florida Citrus Packers

Dr. Grierson is already missed for no longer answering phone calls from packers, consumers and others, for his colorful style and for his ancestral memory of thirty years of fresh fruit history. By the time this is published Dr. and Mrs. Grierson will be in Jamaica where he is project leader for fruits and vegetables in a two-year US AID Project to help in the domestic distribution and marketing of food in Jamaica. His mailing address is: Dr. W. Grierson, Kingston (Jamaica) I.D., Department of State, Washington, D.C. 20520.

Will Wardowski
Extension Service

SECOND ANNUAL CITRUS GIFT FRUIT DAY

This meeting is coordinated through the Florida Gift Fruit Shippers Association, and is scheduled Thursday, May 19, 1983 at the University of Florida, IFAS, Agricultural Research and Education Center, Lake Alfred. Registration is scheduled at 9 AM and the program will begin at 9:40 AM. At this writing, the tentative program includes the following subjects:

Decay control	Packaging
Packing fruit flow	Gift fruit cartons
Degreening	Individual fruit wrapping
New varieties	Juice business
Thinning citrus	Harvesting
Fruit displays	Equipment displays
Increasing on-tree fruit life	

Florida Citrus Commissioner Cope Newburn has consented to introduce speakers on the program. Two gift fruit shippers will be speakers on the program.

There will be morning talks, a lunch and afternoon equipment displays. This meeting is open to the public. Commercial exhibitors must first obtain an invitation from the Florida Gift Fruit Shippers Association and lunch tickets must be purchased no later than May 5, 1983 from the Association, 521 N. Kirkman Road, Orlando, FL 32811. Phone (305) 295-1491.

Will Wardowski
Extension Service

CITRUS PACKINGHOUSE DAY

The Twenty-Second Annual Citrus Packinghouse Day is scheduled for Wednesday, September 7, 1983 at the Agricultural Research and Education Center, Lake Alfred. This well established meeting for commercial citrus packers and the supporting industry will be in the new Ben Hill Griffin Jr. Hall. For the first time in over a decade there will be comfortable seating for everyone. Reserve this date on your calendar if you have an interest in fresh citrus fruit.

Will Wardowski
Extension Service

AVAILABLE PUBLICATIONS

Available from Dr. W. Wardowski, AREC, 700 Expt. Sta. Rd., Lake Alfred, FL 33850

"Florida Citrus Varieties" by D. P. H. Tucker, C. J. Hearn, and A. P. Pieringer. Circular 502. Florida Cooperative Extension Service, August 1982. 38 pages.

Available from C. J. Nicholas, Transportation and Packaging Research Branch, Office of Transportation, USDA, Beltsville, MD 20705

"Export Handbook for U. S. Agricultural Products" by C. J. Nicholas and R. H. Hinds. USDA Agr. Handbook No. 593. June 1982. 141 pages.

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

"Innovations in citrus waxing - an overview" by D. J. Hall, Proc. Fla. State Hort. Soc. 94:258-263. 1981.

Available from Division of Fruit & Vegetable Inspection, P. O. Box 1072, Winter Haven FL 33880

"1981-82 Season Annual Report."

Available from Florida Fruit Digest Co., 333 Laura Street, Suite 360, Jacksonville, FL 32202

"The Florida Fruit and Vegetable Directory, 1983 Season" published by Florida Fruit Digest Co. Price: \$7.00. Add 95¢ postage domestic or \$1.32 postage foreign, and 35¢ sales tax for Florida residents.

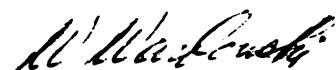
Available from R. F. Kasmire, Mann Laboratory, Vegetable Crops Department, University of California, Davis, CA 95616

"Factors affecting transit temperatures in truck shipments of fresh produce" by R.F. Kasmire and R. T. Hinsch. Univ. of California, Davis, and USDA-ARS, Fresno, CA. July 1982.

Available from Dr. H. Kitagawa, Faculty of Agriculture, Kagawa University, Miki, Kagawa 761-07, Japan

"Effects of temperature, packaging and curing on the storage of Sudachi" by H. Kitagawa, K. Kawada and T. Tarutani, Journal Japanese Soc. Hort. Science. 51(3): 350-354. 1982. (Summary, Figures and Tables in English).

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



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