

INSTITUTE OF FOOD AND
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UNIVERSITY OF FLORIDA

FLORIDA
COOPERATIVE
EXTENSION SERVICE

PACKINGHOUSE NEWSLETTER

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Refrigeration

O'CONNELL TO SPEAK AT CITRUS PACKINGHOUSE DAY

Dr. Thomas B. O'Connell, Marketing Specialist, Horticulture and Tropical Products Division, Foreign Agricultural Service, USDA, Washington, DC will be an additional speaker at Citrus Packinghouse Day, Wednesday, September 5, 1979 at this Center. Other speakers and topics were listed in the last issue of this Newsletter.

Dr. O'Connell will report on a proposed handbook for citrus marketing around the world. It is to include a ready reference for foreign regulations on authorized pesticide residue tolerances. Each importing country would be listed on a separate page, so that the booklet could be kept up-to-date with the revision of appropriate pages for countries making changes. Help is being solicited from Florida, Texas and California to compile the original data and to keep the booklet updated.

Anyone with an interest in this booklet is invited to meet with Dr. O'Connell at this Center on Citrus Packinghouse Day, or possibly the next day at this Center. Your suggestions to make such a handbook more useful to the citrus industry will be welcome.

Will Wardowski
Extension Service
Lake Alfred

FLORIDA CITRUS PACKER ENERGY SURVEY

Representatives of 46 Florida citrus packinghouses completed the energy survey distributed to members of the Florida Citrus Packers. These 46 firms packed 57% of the fresh citrus fruit in Florida during the 1977-78 season. The data is still being analyzed, but we felt that information on electrical usage could be shared with our readers. Electrical consumption ranged from 0.102 to 1.299 kWh per carton packed (Fig. 1). The four largest packers in this survey were in the lowest third for electricity used per carton packed, although there was no strong trend for electrical efficiency with size of packinghouse. The packer with the third smallest volume used the lowest kWh per carton packed.

FIGURE 1

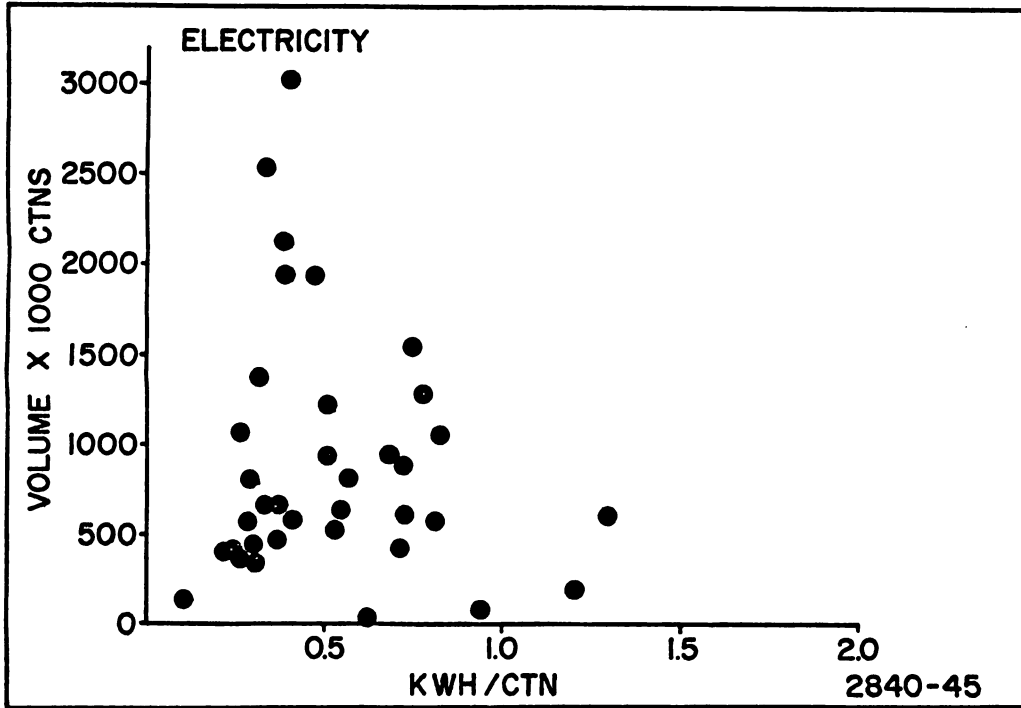
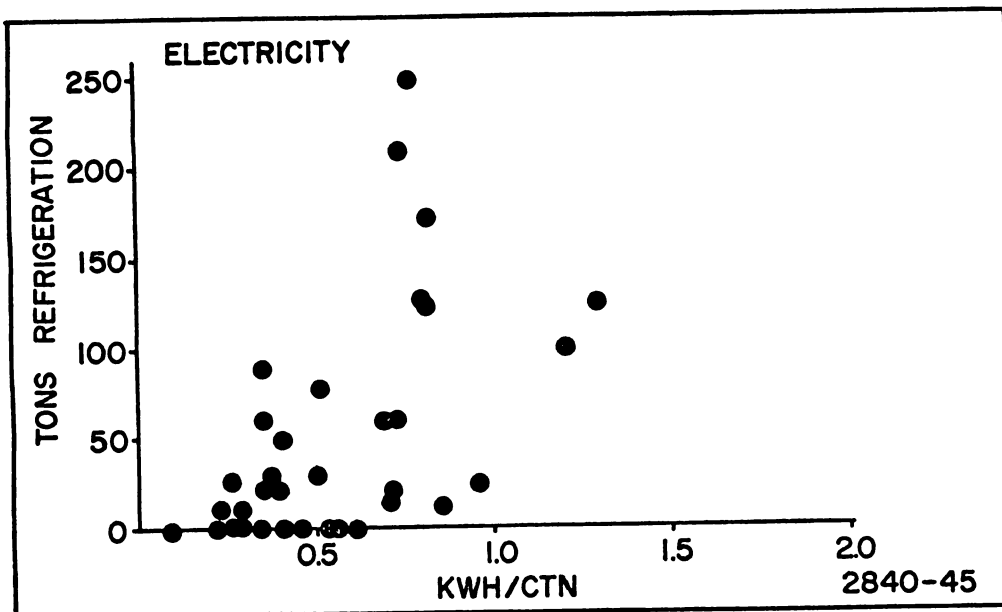


FIGURE 2



There does appear to be a relationship of electrical usage to the amount of refrigeration in a packinghouse (Fig. 2). Those with large amounts of refrigeration tended to use more kWh per carton packed than those with little or no refrigeration. Florida packers do not generally hold citrus under refrigerated storage for long periods, but rather use refrigeration to precool before loading on trucks.

Several packers noted rather large electrical demand charges, and since the survey, some have informed us that these charges are increasing.

Will Wardowski
Extension Service

Bill Miller
AREC, Lake Alfred

CLARIFICATION OF CARCINOGEN CHARGES

June 14, 1979

Dr. David R. Calkins
Office of Science and Technological Policies
Executive Office of the President
Washington, DC 20506

Dear Dr. Calkins:

It is a pleasure to extend my congratulations to you and your co-authors on your precise, comprehensive and eminently readable staff paper:

"Identification, Characterization and Control of Potential Human Carcinogens: A Framework for Federal Decision Making."

I am sure that many others who, like myself, are trying to make some sense of the conflicting charges and counter charges against putative carcinogens among agricultural chemicals will also welcome this clear-headed position paper. I am therefore asking our Extension Specialist, Dr. W. F. Wardowski, to list this among "Available Publications" in his Packinghouse Newsletter.

Yours sincerely,
W. Grierson
Professor
(Horticulturist)
AREC, Lake Alfred

AVAILABLE PUBLICATIONS

Available from Dr. W. Wardowski, AREC, P. O. Box 1088, Lake Alfred, FL 33850

"Relationship between midseason resistance to chilling injury and reducing sugar level in grapefruit peel" by A. C. Purvis, K. Kawada, and W. Grierson. HortScience 14(3):227-229. 1979.

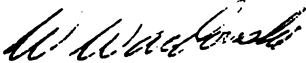
"Survey of water usage and treatment in Florida citrus packing-houses" by W. F. Wardowski and M. A. Ismail. Proc. Fla. State Hort. Soc. 91:139-141. 1978.

Available from Dr. W. J. Lipton, USDA, P. O. Box 8143, Fresno, CA 93747

"Chilling injury and ripening of 'Honey Dew' muskmelons stored at 2.5°C after ethylene treatment at 20°C" by W. J. Lipton and Y. Aharoni. J. Amer. Soc. Hort. Sci. 104(3):327-330. 1979.

Available from Dr. David R. Calkins, Office of Science and Technological Policies, Executive Office of the President, Washington, DC 20506

"Identification, characterization and control of potential human carcinogens" by D. R. Calkins, Robert L. Dixon, C. R. Gerber and D. Zarin. A staff paper from the Office of Science and Technology Policy.


W. Wardowski, Editor
Professor
Extension Horticulturist

This newsletter is published at a cost of \$77.70 or 6 cents per copy to give the latest news to the packinghouse industry.