

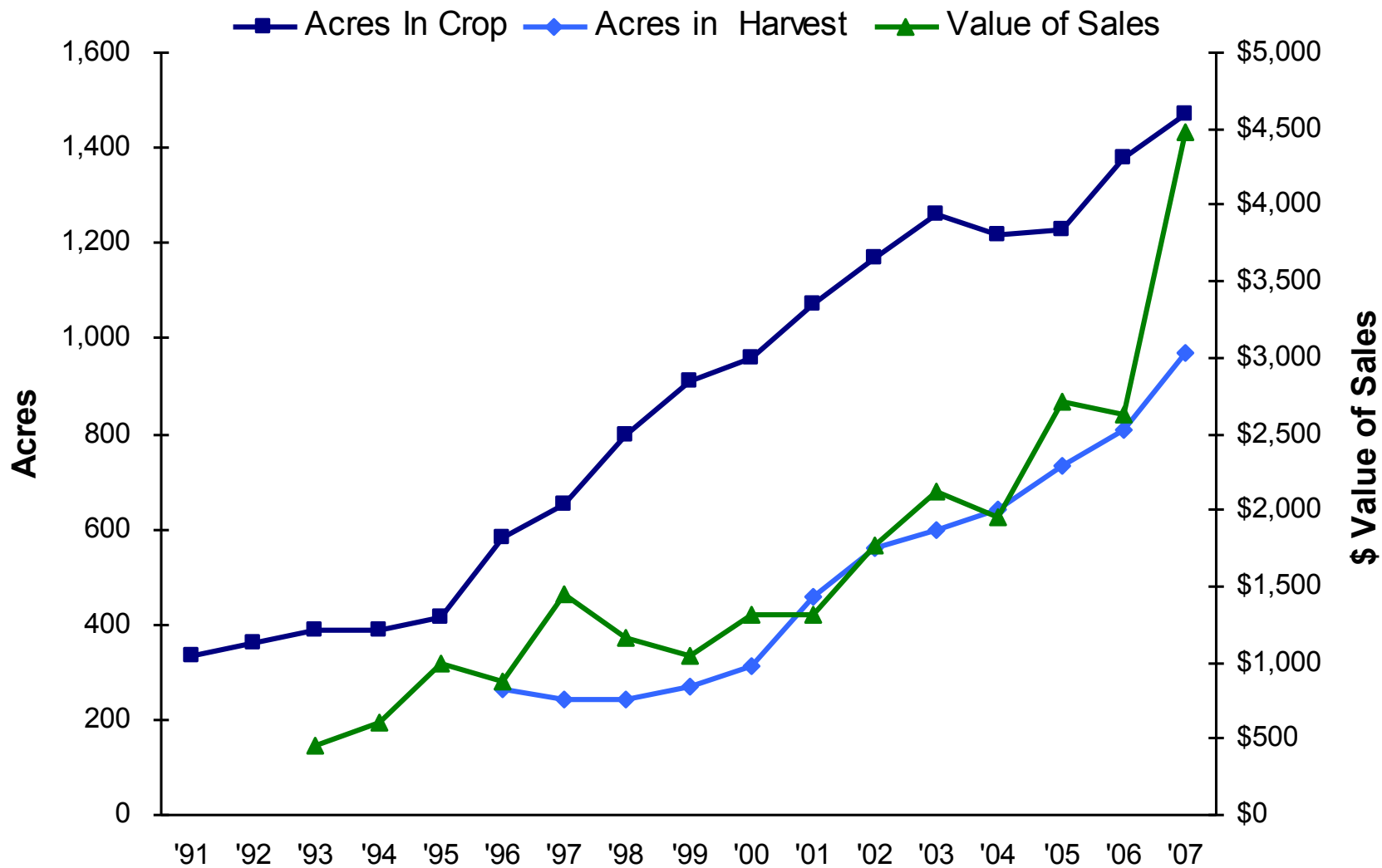
# Advancing Oahu's Edible Crop Industries Mini Conference

## *Post-Harvest Treatment Options*

Lyle Wong and Po Yung Lai,  
Pa'ina Hawaii



## Tropical Speciality Fruits: In Crop and Harvested Acreage and Value of Sales (State of Hawaii, 1991 to 2007)



# Post-Harvest Treatment Options

- Many crops grown in Hawaii can be shipped by growers to U.S. mainland markets.
- Some require quarantine treatment prior to shipment (**Tropical fruit for fruit flies**).
- Others can be shipped without quarantine treatment (**Taro leaves, basil**).
- All, however, must be inspected in Hawaii prior to shipment and will be inspected upon arrival in some states, e.g., California.

# Responsible Agency

- Agency that oversees the movement of fresh fruits, herbs, and vegetables from Hawaii to the U.S. mainland is:
  - The USDA, Animal and Plant Health Inspection Service, Plant Protection and Quarantine
  - i.e., USDA, APHIS, PPQ

# Federal Quarantine 318.13

- This Federal Plant Quarantine Law prohibits the movement of all fresh fruits, herbs, and vegetables from Hawaii to the U.S. mainland unless specifically approved.
- All approved commodities are listed in the USDA Hawaii Manual, Table 3-1, “List of Approved Fresh Fruits, Herbs, and Vegetables from Hawaii”

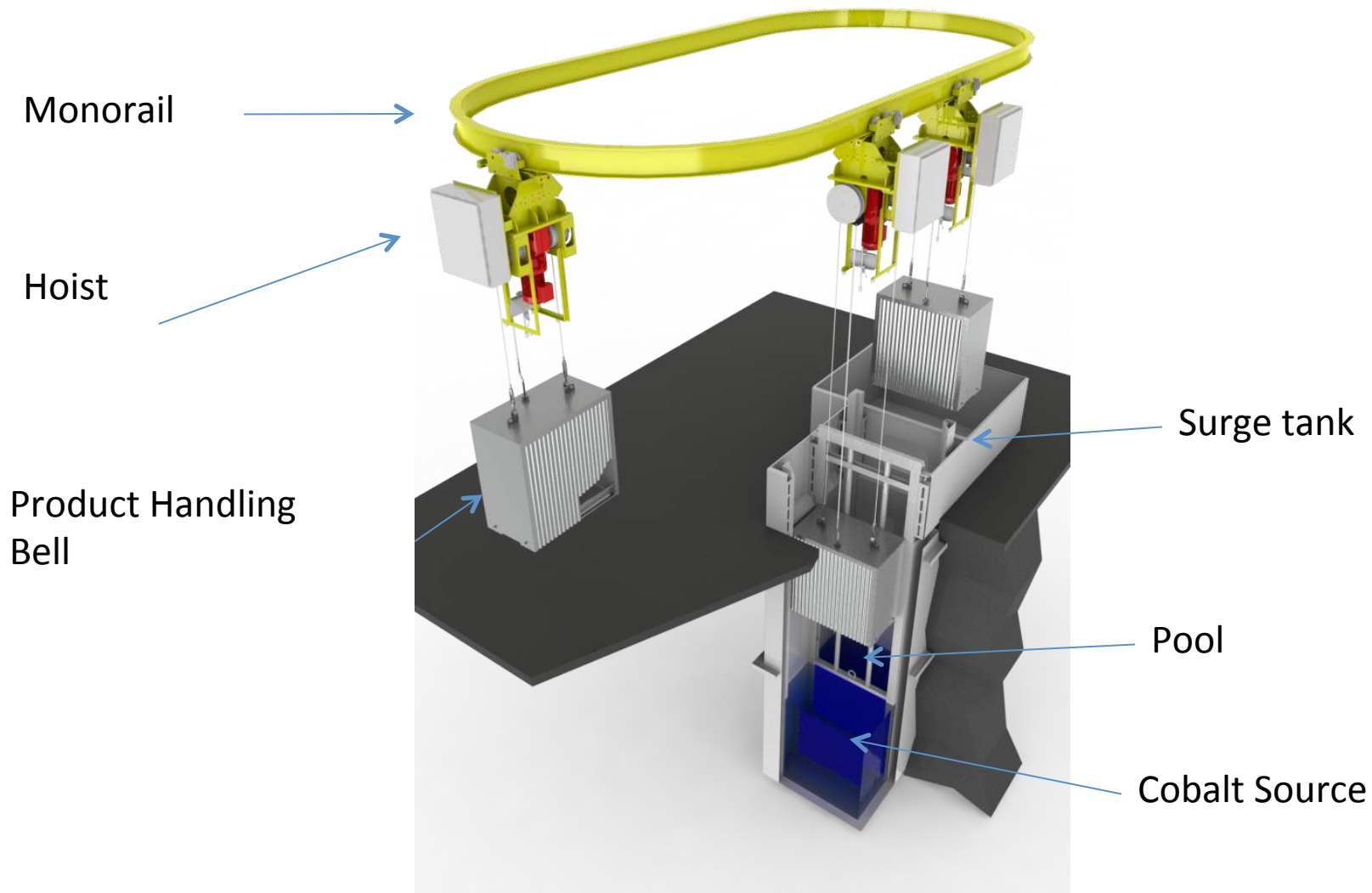
# Table 3-1, USDA Hawaii Manual

- Copies of Table 3-1 are available on our table.
- Over a 100 different commodities are listed.

# Post-Harvest Treatment Options

- Thermal treatments, hot and cold.
- Fumigation, e.g., methyl bromide fumigation
- Irradiation Treatment

# Pa'ina Hawaii GRAY\*STAR Genesis II Underwater Cobalt-60 Irradiator, Kunia, Hawaii









Taro leaves in approved treatment configuration.

# For Information on options

- Call the USDA, APHIS, PPQ office at Honolulu International Airport.
  - 808-861-8494
- Or, you can call Pa'ina Hawaii at:
  - Lyle Wong, 808-225-1047

# After Treatment

Cartons are stamped, “USDA Treated”.

A “Radura” stamp is applied to the carton.

The carton is also stamped, “Treated by Irradiation”.

A USDA Certificate of treatment is provided to the growers/shipper.

“Radura”





Treated sweet potato with required radura and stamps

