Plant Industry Biosecurity: The Invasive Species Response Principles in Action

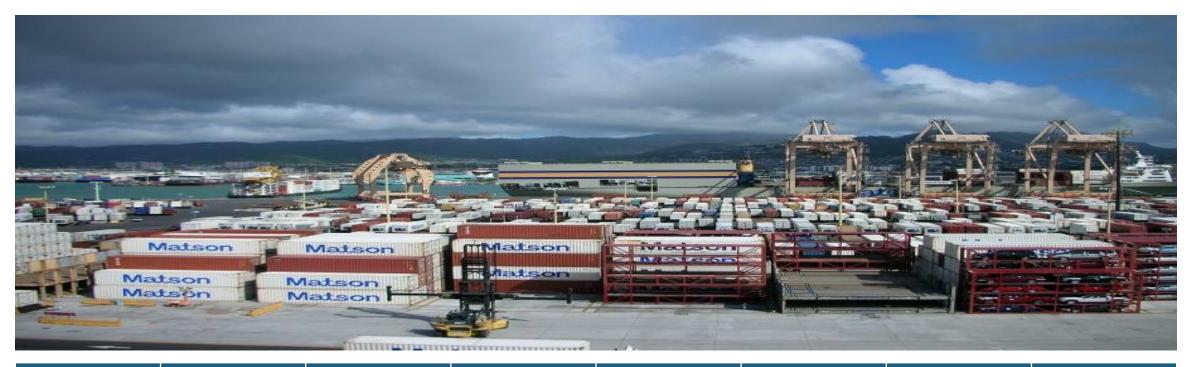
Plant Industry Division

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Plant Pest Control: Darcy Oishi Pesticides: Greg Takeshima

Pest Interceptions



	Parcels Inspected	Treated	Destroyed	Insects	NKO Insects	Diseases	NKO Diseases
2010	9,011,818	4,698	16,948	2,483	584	1,065	601
2011	9,106,144	2,899	15,302	1,667	354	912	613
2012	8,712,725	5,634	18,599	2,040	316	1,111	671
2023	19,403,431	734	14,607	537	0	346	1





Plant Quarantine Inspectors

Ability to identify species to determine entry status:

Over 150 prohibited animals (snakes, eels, bats, fishes, birds

1800 restricted animals

1800 conditionally approved fish

1500 genera and over 30,000 species of plants (prohibited, restricted, noxious)

PQ Duties

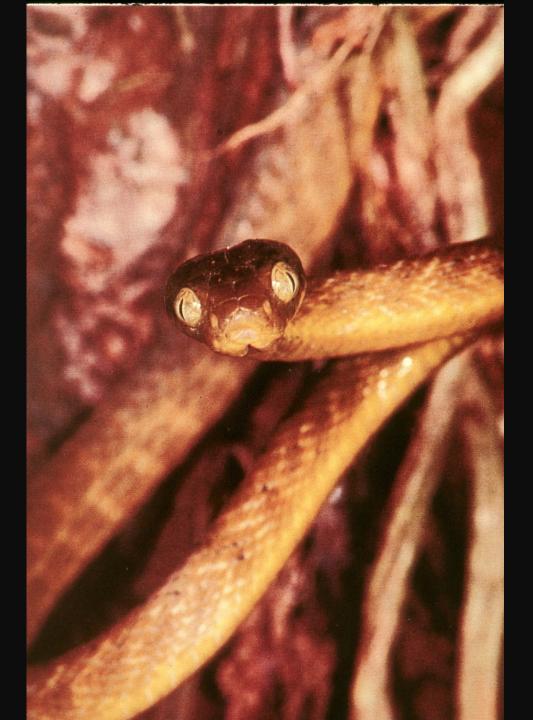
Inspecting passengers and cargo to find the pests and determining which ones must be destroyed and which ones can be released











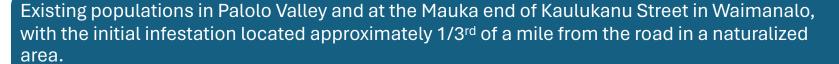
Brown Tree Snake

• Since 1981, there has been 8 confirmed interceptions of BTS in Hawaii—all associated with aircraft arrivals from Guam.

• Cost: \$1.7 billion per year

Coqui Frog Statistics:

- Total responses in 2023 121
 - Occur across the entire island Pupukea, Waimanalo, Kaneohe, Palolo, Waipio, Kapolei, Pearl City, Waialua
 - About 70% of responses occurring in Waimanalo and Palolo.
- Total Frogs Captured in 2023 1,083



- In Waimanalo, working with partners to install a test pipeline to determine if citric acid can be deployed into the area using ground spraying.
- In Palolo Valley, three treatments have occurred and are ongoing.

Remember that ANYTHING can harbor Coqui, if commodity originates from an infested area.

• Coqui have been captured on boats, vehicles, heavy machinery, pipes, port-a-pottys, electrical wires.

Report Suspect Coqui calls or captures. The Department will respond to all credible reports.

- Call the toll-free statewide Pest Hotline 643-PEST (7378).
- There are things that can sound like Coqui. Take recordings/videos of the sound or suspected captured frog.











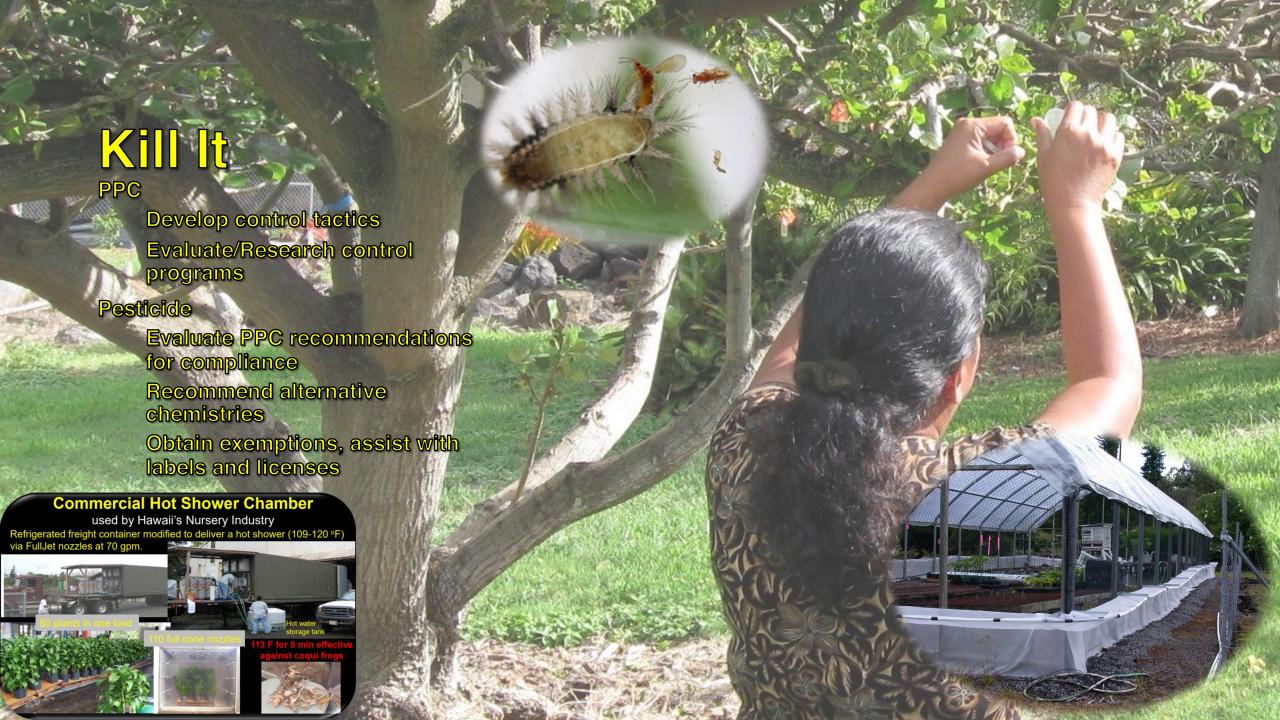


Red Imported Fire Ant

- Two interceptions, one through air cargo and the second one through maritime cargo.
- Estimated Cost: \$6 billion per year







Needs



Plant Quarantine

Move inspectors from cargo fee to general fund



Pesticides

Move staff from PURF to general fund



Plant Pest Control

Rebuild entire programmore science staff!



Division: revamp and modernize

PI is the oldest program in the Department and still have Big Sugar era program structures