Invasive Species Update

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Invasive species continue to be a significant threat to Hawaii's agriculture, economy, environment, and human wellbeing

Invasive species management is a priority for CTAHR (teaching, research, extension)







Administrative Update

- There has been a net loss in CTAHR research faculty addressing invasive species
- Invasive species research, education, and extension has been identified as an essential area for UH

 Hiring requests within CTAHR will be guided by ongoing strategic planning and economic realities

Pre-border Activities



Erythrina gall wasp damage



Foreign exploration for new biological control agents



alomae-bobone disease

Development of diagnostics for important pathogens not present in Hawaii

Border Activities

Evaluation of new tools & technologies for rapid testing at state inspection stations



Oxford Nanopore MinION Mk1c

Collaborative (UH CTAHR, HDoA, ARS) quarantine screening of prospective biocontrol agents



CBB parasitoid, Phymastichus coffea



Post-Border Activities



Cooperative Agricultural
Pest Surveys for exotic
pests and pathogens of
State and Federal interest

Post-Border Activities



Ramie moth on māmaki



Two-lined spittlebug on pastures

Basic research on new invasive species threatening our agriculture and natural areas,

and

Development of new tools and strategies for eradication or sustainable long-term management

Recent Achievements

- Hawaii remains free of citrus greening (huanglongbing)
- Coconut rhinoceros beetle has been regionallycontained on Oahu
- Completed quarantine work and applied for permits to release coffee berry borer biocontrol agent (with ARS)
- Development of management tools for two-lined spittlebug, still restricted to Kona area (but a significant threat to pastures statewide)
- Interagency planning for new quarantine research facilities needed on Oahu and Big Island