



KISC

KAUA'I INVASIVE SPECIES COMMITTEE

QUARTERLY REPORT

"Education is the most powerful weapon which you can use to change the world."

Nelson Mandela

Partnerships Educate the Public

During the last week in June, new signs went up at the Young Brothers, Inc facility at the Nawiliwili harbor marking the completion of months of hard work planning and collaborating between KISC, the Hawai'i of Agriculture (HDOA), and Young Brothers personnel.

Our goal was to make an educational and eye-catching sign that would be geared toward the people that utilize the port for transportation of goods to Kaua'i. Collaboration with HDOA made sure that the messages used are in sync with HDOA's priorities and that reporting of pests is both easy and appropriate.

Wendell Kam, Young Brothers Kaua'i Manager, paved the way for installation of the signs near the payment window, in the waiting area for dry goods, and where the public waits to pick up perishable items. Craig Kaneshige, HDOA, was on hand to help the KISC crew with the sign installation.

Hopefully, the community on Kaua'i will take the time to read them and take action and responsibility for items brought to this island.

Tiffani Keanini, KISC Outreach Specialist, helped to design the sign. The illustrations are by Brooke Mahnken, MISC Data Analyst, and used as part of the Early Detection Program.

PROTECT KAUA'I

KNOW Know what plants & animals you are shipping. Are they invasive? Are they known to be here? Will they harm Kaua'i?



Clean your muddy tires, outdoor gear, and lawn equipment to stop the spread of seeds from plant-pests on other islands.

CLEAN

WATCH Keep an eye out for unwanted hitchhikers (mongooses and other creatures) hiding in cargo shipments.



Carefully inspect all materials and plants for unwanted pests, such as ants and other insects, including eggs and larva.

INSPECT

LISTEN Listen for coqui frogs after you bring your cargo home. It takes 6 - 9 months before froglets can call. Keep listening.



REPORT

Report pests: 643-PEST
Report mongoose: 821-1490
Call 911 for snake reports!



New signs installed in three places at Young Brothers, Inc. at the Nawiliwili harbor.

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The crew helped out-plant 400 a'ali'i slips in the burned area of the Paaiki area in the Natural Area Reserve. KISC worked with the NARS team, Kōke'e Resource Conservation Program, and Michelle Clark (US Fish and Wildlife).

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Photo: KISC

Quarter Highlights

- **Apr 4** - Crew assists NARS team doing restoration work in a burned area on Kōke'e
- **Apr 4** - Keren and Joe attend DLNR Public Hearing regarding revisions to Chapter 124
- **Apr 13** - KISC conducts outreach at the Annual Garden Fair at Kaua'i Community College
- **Apr 18** - Keren meets with Penny Cistaro, the new Ex. Dir. of Kaua'i Humane Society
- **Apr 19** - Keren attends CTAHR Strategic Planning Meeting
- **Apr 22** - Tiffani and the crew conduct outreach at the Earth Day event at Kaua'i Community College
- **May 9** - KISC conducts outreach at the annual Agriculture Education and Awareness Day at CTAHR
- **May 23** - KISC staff and crew attend a Wildlife Disease Workshop with Dr. Thierry Work, hosted by DOFAW
- **May 26** - KISC conducts outreach at the annual Banana Poka Roundup in Kōke'e
- **Jun 4** - Keren attends HISC Meeting in Honolulu
- **Jun 12** - KISC co-hosts a Weed Risk Assessment lecture by Chuck Chimera for the Master Gardeners and other partners
- **Jun 18** - Keren attends HISC Proposal Review meeting in Honolulu
- **Jun 25** - Keren attends HISC Resource Working Group Meeting in Honolulu
- **Jun 27** - KISC installs Early Detection signs at Young Brothers Facility at harbor

Outreach & Education

EVENTS

Spring is a busy time for outreach events and KISC had a great time participating in all of them. The 18th annual Garden Fair was a windy and rainy event, but still attracted community members from all over the island. The following week, Tiffani and the crew participated in the Kaua'i Community College Earth Day celebration.

CTAHR's Wailua Research Station was overrun with keiki at the Agricultural Education and Awareness Day. KISC had a lecture tent as well as a table filled with interesting items. Tiffani had the kids spin the "Wheel of Misfortune", competing for prizes by answering questions about invasive species. The question of the day was "Do mongooses lay eggs?" which, hopefully, taught the kids about mammalian biology.

Banana Poka Roundup in Kōke'e, hosted by Hui 'o laka, wrapped up the 4th quarter activities. It was a beautiful day and visitors enjoyed our "Admit None" themed booth.

EDUCATIONAL OPPORTUNITY

This quarter, KISC partnered with CTAHR's Master Gardeners program and Plant Pono to co-host a lecture given by Chuck Chimera, the HPWRA weed assessor. Along with Master Gardeners, we had conservation and landscaping partners attend this informative lecture.

Tiffani was also able to give a modified Early

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Photo: KISC

Tiffani talking to keiki at Banana Poka Roundup

Detection Workshop with all of the Young Brothers facility workers on the morning of the sign installation. She was able to explain how the signs fit in with the KISC Early Detection Field Guide and program. Each of the attendees received a Field Guide for reference and to assist in answering questions the public might have after viewing the signs.

PUBLICITY AND PRESS COVERAGE

KISC received unsolicited accolades this quarter in an article published by Kaua'i's Garden Island News. (http://thegardenisland.com/news/opinion/editorial/we-should-all-kokua-in-an-effort-to-control-invasive/article_5343d852-d962-11e2-99ee-0019bb2963f4.html).

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Employee of the Quarter

KISC Employee of the Quarter goes to **Cleve Javier**. Cleve started with KISC in July of 2009 as a Field Associate and is now the KISC Data Tech. Cleve is responsible for all data and GIS that is collected in the field. He also provides collected data to KISC partners on joint projects.

Cleve was born and raised on Kaua'i, attended Kaua'i High School, the University of Nevada, and later, the University of Hawai'i at Kaua'i Community College.

Cleve is KISC's "Spotter Extraordinaire" when it come's to finding KISC's target species. He is able to find new plants from a moving vehicle, and even spotted this Jackson's chameleon during broad daylight.

Congratulations, Cleve! You are a superstar!



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Target Updates

- **Miconia** - One aerial survey was conducted during this quarter but without HBT. 381 aerial survey acres were covered with 6 immature plants found in known areas. Ground work covered an additional 18 acres finding and treating 29 immature plants. 37 person-hours were expended.
- **Coqui Frogs** - KISC also continues to be the primary responder to new reports on the island and the crew regularly schedules night-work to listen for new coqui introductions at high-risk areas (nurseries and big box stores). Crews responded to 2 new reports, monitored 5 sites that had coqui in the past, monitored 1 site that had reported hearing coqui in the past but never confirmed, and 4 high risk big-box nurseries. No coqui were heard.
- **Little Fire Ant** - KISC crew members continued to assist the Hawai'i Ant Lab and HDOA with treatment efforts in Kalihiwai. KISC also continues to survey for LFA island wide. 61 acres were surveyed and 355 person-hours were expended. No new LFA were detected.
- **Long Thorn Kiawe** - With assistance from Craig Kaneshige, HDOA, crews were able to treat 324 immature and 4 mature plants at PMRF this quarter, covering 53 acres and expending 150 person-hours.
- **Mongoose** - Trapping efforts continue with assistance from DOFAW. Traps continue to be set in high-priority areas around Kaua'i with no new captures. Over 487 person hours were expended. During this quarter, KISC received 13 mongoose reports, 9 of them deemed credible. KISC posts a monthly newsletter regarding mongoose work and it can be found online at: <http://www.hawaiiinvasivespecies.org/iscs/kisc/pests/mongoose/mongoosemonitor.htm>.
- **Arundo, False Kava & Ivy Gourd** - Other priority species work included arundo, false kava and ivy gourd. Treatments continue for these species with over 208 plants treated this quarter and 153 person-hours expended.
- **Molucca Raspberry** - KISC and HDOA continue to partner with a landowner in Lāwā'i to control *Rubus sieboldii*. 15 acres were surveyed with 200 plants treated. 56 person-hours were expended.
- **Early Detection Species** - This quarter, 22 acres were surveyed for various ED species, with a total of 80 plants being treated.
- **Cattails** - We still are pursuing permits from the Department of Health to use herbicide in and around water.
- **Rapid Response** - Following up on a report, HDOA and KISC worked with a property owner to capture a Jackson's chameleon in Līhue. 18.5 person hours were expended during both nighttime and daylight hours. Domingo Carvalho, US Fish and Wildlife, was utilized as an advisor.

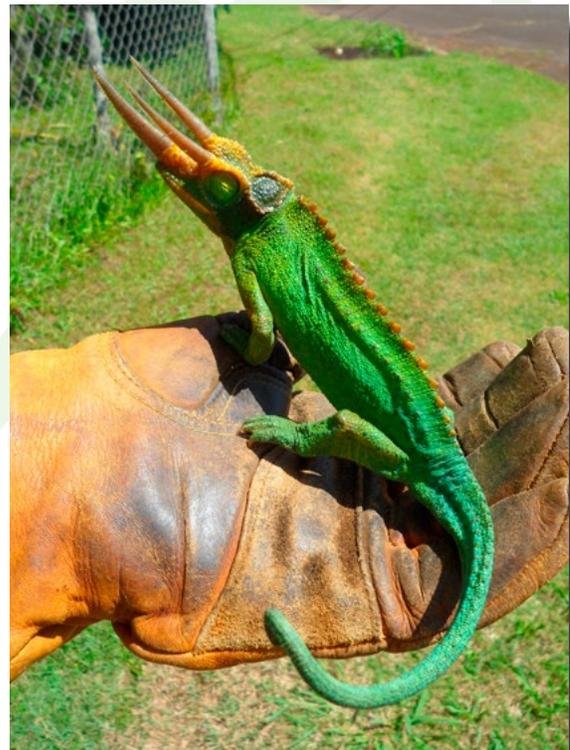


Photo: KISC

Jackson's chameleon captured in Līhue