

Coconut Rhinoceros Beetle Response Update May 15-28, 2016

- Detections
 - On Base (All DOD property on Oahu; including Joint Base Pearl Harbor-Hickam (JBPHH))
 - 27 adults detected (of 2,557 adults detected since 12/23/2013).
 - Off Base:
 - 10 adults detected (of 310 adults detected since 12/23/2013).
- Surveillance
 - Investigation into possible breeding sites continues within established buffer zones.
 - Saturated mulch was added to barrel traps at Lualualei Naval Facility to increase attraction to any CRB in the vicinity.
 - Iroquois Point Housing (Kapilina) palm damage resurvey completed. 60 palms were tagged with new CRB damage observed.
 - Joint Base Pearl Harbor – Hickam (JBPHH) palm damage resurvey scheduled.
 - Palm damage surveys at 3 other properties indicated no new damage or potential breeding sites.
 - Netted mulch piles and temperatures at Pearl City Peninsula were monitored with no CRB presence observed.
 - 2 mulch sites inspected at Hawaii Country Club with no CRB presence observed.
 - One mulch pile at Ewa by Gentry was resurveyed with no CRB presence observed.
- Mitigation & Outreach
 - 3,684 trap services conducted on 2,926 total traps during this reporting period.
 - 203 members of the public interacted with during this reporting period; including about 120 at the Kahumana Farm Festival in Nanakuli, 50 at the Foster Botanical Gardens Plant Sale, and 24 at the Nanakuli-Mailii Neighborhood Board meeting.
 - 15 businesses interacted with during this reporting period; including 24 members of the Hawaii Association of Environmental Professionals.
 - 14 public reports responded to during this reporting period.
 - Participated in the HISC Outreach Working Group and weekly CRB inter-agency meetings.
 - Attended a hearing at Honolulu Hale on City & County of Honolulu's Council Bill 80 regarding the reduction in H-Power tipping fees to allow increased reduction of standing mulch piles at JBPHH to reduce the risk of CRB reinfestation.
- Research
 - A CRB research center has been prepared at UH Manoa. Site inspections and permits are pending before it can be used.
 - Research is still underway to better understand the cyclic nature of weekly, monthly, and annual trap capture rates.
- Beetle Fact

- In lab conditions, earlier work found a moisture content over 77% was needed for satisfactory larval development (reviewed in Kamarudin et al., 2005).