

Coconut Rhinoceros Beetle Response Update

April 3-16, 2016

- Detections
 - On Base (All DOD property on Oahu; including Joint Base Pearl Harbor-Hickam (JBPHH))
 - 38 adults detected (of 2,459 adults detected since 12/23/2013).
 - Off Base:
 - 16 adults detected (of 265 adults detected since 12/23/2013).
- Surveillance
 - Investigation into possible breeding sites continues within established buffer zones.
 - 1 mulch pile netted at Pearl City Peninsula.
 - Sod sample collected at Mamala Bay Golf Course.
 - Focused survey at Iroquois Point housing with negative results.
 - 10 dead palms inspected in Nanakuli – no CRB damage observed.
 - Palm damage surveys conducted at Ke`ehi Lagoon, Honolulu Country Club, Moanalua Golf Course, Kuniyoshi Nursery and West Loch with no damage observed.
 - Palm trimming monitoring at Mamala Bay and Iroquois Point resulted in one partially-consumed beetle, but no CRB damage observed.
- Mitigation & Outreach
 - 3,219 trap services were conducted on the 2,904 traps installed on Oahu.
 - 27 new traps deployed in Ewa, Pu`uloa, Ma`ili/Lualualei and at Kewalo Basin.
 - Air Curtain Burners (ACBs) from Mamala Bay Golf Course have been moved to the Fire Burn Trainer on JBPHH and were operational as of 4/4/2016.
 - 23 public reports serviced.
 - Established contact with the Resident Manager of the Kapalina Housing community.
 - Outreach efforts conducted in the Nanakuli community.
 - Information presented to Barber's Point Golf Course staff (15), Entomological Society of America (ESA), Florida Dept. of Food and Agriculture (1), USDA-ARS (1), USDA-CPHST (1) and University of Guam (1) staff.
- Research
 - A CRB research center is being prepared at UH Manoa. Site inspections and permits must be obtained 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, CRB larvae preferred temperatures around 27 to 29 degrees C (81 to 84 degrees F) and had a strong negative phototaxis response, possibly an adaptation against desiccation and predation (Bedford, 1980).