



UNIVERSITY OF GUAM

TRIP REPORT

Employee Name: Aubrey Moore	Title/Unit Position: Entomologist
Travel Date Begin: August 8, 2018	Travel Date End: August 19, 2018
Fund Account No.	Travel Location: Gold Coast, Australia
Trip Objectives: <ul style="list-style-type: none">to attend the International Congress on Invertebrate Pathology and Microbial Control & the 51st Annual Meeting of the Society for Invertebrate Pathology.to participate in a symposium at this conference entitled The challenge of a virus resistant rhinoceros beetle to palm production in the Pacific and prospects for microbial control organized by Trevor Jackson and Trevor Jackson of AgResearch New Zealand.to participate in a meeting a meeting to discuss a regional response to <i>Oryctes rhinoceros</i> Biotype G which is has invaded Guam, Hawaii, Palau, Papua New Guinea, and the Solomon Islands. CRB-G is a serious threat to coconut production, oil palm production, ornamental palms of value to tourism, and sustainability of island ecosystems in general. Without a Pacific-wide regional control effort, CRB-G will spread throughout the Pacific and beyond.	
HIGHLIGHTS: (Minimum data contents: How was objective met; What was learned; How can UOG benefit from trip; How trip relates to University responsibility) <ul style="list-style-type: none">At the symposium, I made an oral presentation entitled Attempted microbial control of coconut rhinoceros beetle, <i>Oryctes rhinoceros</i>, Biotype G on Guam using <i>Oryctes rhinoceros</i> nudivirus and <i>Metarhizium majus</i>. I was also coauthor of a second presentation entitled Progress with control of a virus resistant coconut rhinoceros beetle presented by Sean Marshall.At the meeting, we discussed how to strengthen existing collaboration among partners within Asia and the Pacific who are working on developing an effective response to CRB-G. All present agreed on a free exchange of information and biological samples. Meeting notes are documented in a wiki I developed to facilitate sharing information within the CRB-G action group at http://guaminsects.net/CRBG.	
Possible Application of Knowledge Gained: <ul style="list-style-type: none">Collaboration among partners working on the CRB-G problem will be essential to building an effective response. Experts at the meeting agreed that finding an isolate of <i>Oryctes rhinoceros</i> nudivirus which can be used as an effective classical biocontrol agent for CRB-G is the most feasible way to control this pest and a search for new virus isolates must take priority.Dr. Nur Ain Farhah from Malaysia offered to send OrNV isolates from her lab for testing against CRB-G at the University of Guam.	
Follow Through Action/s, as necessary: <ul style="list-style-type: none">Set up protocol for importing OrNV isolates for testing on GuamMaintain contact with collaboratorsMaintain a wiki to facilitate sharing scientific/technical information among members of the CRB-G action groupMaintain an online interactive map for visualizing the geographical distribution of CRB-G. Currently available at http://aubreymoore.github.io/crbdist/mymap.html	
SIGNATURE AND APPROVAL	
_____ Traveler Signature and Date	_____ Immediate Supervisor Name and Title _____ Signature and Date

USE EXTRA SHEET IF NECESSARY