

New Island Records for Arthropods on Guam 2010 - 2011

Prepared by Aubrey Moore, April 15, 2011

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New records of bark beetles from a single coffee berry borer trap operated by Aubrey Moore at the University of Guam Yigo Agricultural Experiment Station, January through February, 2011. Determined by Donald Bright, Colorado State University. The trap caught seven species of scolytids, four of which are new island records.

COLEOPTERA

Scolytidae (Bark beetles)

Coccotrypes advena Blandford

Xylosandrus crassiusculus (Motschulsky)

Hypothenemus burmanus (Eichhoff)

Hypothenemus crudiae (Panzer)

New records of burrowing bugs. Reported in Jerzy, A. Lis and Zack, Richard S. 2010. A review of burrower bugs (Hemiptera: Heteroptera: Cydnidae sensu lato) of Guam. Zootaxa 2523 p57-64.

HEMIPTERA

Cydnidae (Burrowing bugs)

Byrsinus varians (Fabricius, 1803)

Fromundus biimpressus (Horváth, 1919)

Rhytidoporus indentatus Uhler, 1877

New record of a termite on Guam. Reported in Mankin, R. W., A. Moore 2010. Acoustic Detection of *Oryctes rhinoceros* (Coleoptera: Scarabaeidae: Dynastinae) and *Nasutitermes luzonicus* (Isoptera: Termitidae) in Palm Trees in Urban Guam. Journal of Economic Entomology 103(4) 1135-1143.

ISOPTERA (Termites)

Termitidae

Nasutitermes luzonicus Oshima

New record of a mite forming galls on *Hibiscus tiliaceae*. Determined by Cal Welbourn, Florida Department of Agriculture.

ACARI (Mites)

Eriophyidae

Acerimina tiliaceae Mohanasundaram & Sharma

New records for spiders which arrived on a ship from South Korea. Determined from digital images by Seung Tae Kim, Seoul National University.

ARANEAE (Spiders)

Araneidae

Araneus ventricosus (L. Koch, 1878)

Larinioides cornutus (Clercki, 1757)

New record for a scale insect found on hot pepper growing at the University of Hawaii. Genus determined from digital image by Gillian Watson, California Department of Foods and Agriculture.

HEMIPTERA

Coccidae (soft scale insects)

Pulvinaria sp.

Little fire ant first detected on Guam at the Primo green waste dump site in Yigo. Species determined by Ross Miller, Cas Vanderwoude and others. A delimiting survey found about a dozen widely dispersed infestations.

HYMENOPTERA

Formicidae (ants)

Wasmannia auropunctata

Dr. Will Reeves found a new mosquito and a new black fly while doing surveys for the Navy.

DIPTERA

Culicidae (mosquitoes)

Anopheles campestris

Simuliidae

Simulium aureohirtum