

Study on the life history and ecology of the Asiatic palm weevil, *Rhabdoscelus lineatocollis* (Heller)(Coleoptera : Rhynchophoridae)

Ming-Chao Chen¹

Abstract

The *Asiatic palm weevil*, *Rhabdoscelus lineatocollis*, is a newly discovered pest in Taiwan. Its larvae damage stems, reduce yield or kill seedlings and young palms. In Kao-Ping areas, in February 1998, large acreage of yellow palms was found damaged by this pest. Recently, damage incidences betlenut were also reported on the betlenut palm not or on other crops.

The results of rearing the Asiatic palm weevil on fresh, edible sugarcane under the laboratory condition showed that the range of the duration for each stage of its development at 22-30 °C was 3.53 - 10.44days for the egg stage, 37.48 - 71.42days for the larval stage, and 8.24 - 19.23days for the pupal stage. The adult longevity was 142 ± 217 days at 25 °C.

Key words : Asiatic Palm Weevil (*Rhabdoscelus lineatocollis*), Ecology

¹Assistant Researcher Entomologist of Kaohsiung District Agricultural Improvement Station