

437/D

**Biological parameters of the life history of rice moth, *Corcyra cephalonica*
(Lepidoptera, Pyralidae), on maize seeds**

S R C N K Narangoda* and M M S C Karunaratne

University of Sri Jayewardenepura, Department of Zoology, Gangodawila, Nugegoda

Biological parameters of the life history of the rice moth *Corcyra cephalonica* on maize seeds was studied under ambient laboratory conditions (29±2 °C & 84%RH). Developmental period of this moth ranged from 37 to 49 with a mean value of 48.25±3.4 days on partially milled maize seeds. Adults when emerged are sexually mature. Females have a pre-oviposition period less than one day. Majority of eggs, were deposited within the first four days after emergence of the female. Fecundity ranged from 152-319 (mean=245.05±6.5) and egg hatchability was found to be 72%. Five larval instars were recorded on the basis of the width of the head capsule and the body length. Adult longevity ranged from 7 to 10 days for males and 7 to 14 days for females. Sex ratio (male: female) of the adults emerged was 1:1.

*chanarangoda@yahoo.com

Tel: 011-2804515