
**MORPHOLOGICAL AND BIOLOGICAL CHARACTERS
OF THE LEMON EMIGRANT (*Catopsilia pomona* Fabricius)
(Lepidoptera: Pieridae)**

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SUMMARY

The overall life cycle of the Lemon Emigrant (*Catopsilia Pomona* Fabricius) consists of four stages including egg, larva, pupa and adult. The egg is ellipse-shaped with opaque white to yellow; larva experiences from first to the fifth instar, each larva has three pairs of chest legs, five pairs of abdominal legs and Lavar's color is yellowish green to green. The pupa is suspended by a silken body band with blue to ivory-white color; adult has a popular color of bright yellow, the bottom of the front wing is lemon yellow, entire of front wing has a small black border. The life cycle duration from egg to adult emerge was recorded either 26.5 - 31.0 days at 28.8°C or 21.5 - 25.5 days at 34.5°C. The first instar and second instar larvae fed on the part of the soft outer tissues of leaves and later chewed scattered holes in leaves. The third instar to fifth instar larvae fed on the whole surface of leaves except veins. Therefore, during the time from the third instar to the fifth instar, *C. Pomona* may cause significant damage to crops. The number of eggs produced increased with increasing temperature within the optimum temperature but decreased as the ambient temperature was over the optimum temperature. One day after emerging, the females began to lay eggs and three days after emerging, each female laid 28.00 ± 1.83 eggs per day. The adults of this species were able to survive for a maximum of 5.25 days if they utilized pure honey as a food resource.

Keywords: Food, larva, life cycle, reproduction, the Lemon Emigrant.

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