

# A THIRD LARVAL FORM OF *AGRIUS CINGULATUS* IN HAWAII (LEPIDOPTERA: SPHINGIDAE)

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Dyar (1895) described the two well known "leaf-green" and "flesh-brown" larval color forms of *Agrius cingulatus* (Fabricius) from near Honolulu, Hawaii, but with no illustrations. There are black and white illustrations in Zimmerman (1958). Here for the first time color illustrations are published.

The three color forms were found, feeding on woodrose (*Operculina tuberosa* (L.)) on the property of the Kahumana Community Center, ca. 2.5 km inland from the Waianae coast, Oahu. This is also a new foodplant record (Zimmerman, 1958). The three forms were feeding together on the same plant.

The new color form is very light green mixed with milky white. The thoracic segments have a weak yellowish overlay going into the first abdominal segment. The horn is dark brown; 8 spiracles are of body color surrounded by a dark brown ring. The abdominal segments bear lateral chains of V-shaped light purplish forks forming straight lines. The ends of abdominal legs are dark brown.

There are no differences in the pupae and adults of the three forms which were equally represented in numbers.

## ACKNOWLEDGEMENTS

My thanks are expressed to Mr. Christopher Jones, for the photographs, and Mrs. Ipo Santos-Bear, Bishop Museum, Entomology Secretary, for help in locating necessary literature.

## LITERATURE CITED

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1895. Preparatory stages of *Phlegethontius cingulata*. *Ent. News* (Philadelphia), 6:95-97.
- Zimmerman, E. C.  
1958. *Insects of Hawaii. Vol. 7. Macrolepidoptera*. Honolulu: Univ. Hawaii Pr. 542pp.



Fig. 1-2. *Agrius cingulatus* larvae on woodrose leaves, Waianae coast, Oahu, Hawaii: 1. New color form; 2. View showing all three color forms.