

How Do I Sign - Up?

If you are interested in participating in the field release program and receiving larvae please contact us at
808-887-6183
or
mabran@hawaii.edu



Secusio extensa larvae feeding on flower bud.



University of Hawaii at Mānoa,
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Secusio extensa Release Program



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Secusio extensa Release Program



The University of Hawaii Cooperative Extension Service has been cooperating with the Department of Agriculture in the rearing and dissemination of the *Secusio extensa*

for fireweed control. Currently we have two rearing and distribution sites, one at the Mealani Experiment Station and one at the Maui Agricultural Experiment Station in Kula. As part of this effort we have developed an informational page about *Secusio extensa* release program on the Hawaii Rangelands website (<http://globalrangelands.org/Hawaii>). On this webpage you will find weekly updates on the status of the *Secusio extensa* populations at both stations and an anticipated date that larva will be ready for dispersal. In addition you will find links to several documents, including a FAQ about the release program and a Fireweed Biocontrol Survey and Monitoring Data sheet that is being used to gather release data.

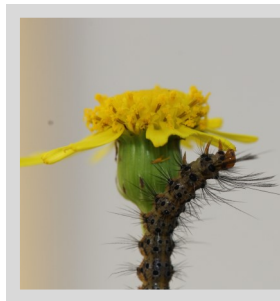
If you already have release sites we encourage you to download the data sheet and fill it in. The form can then be sent to me at the address below. The data collected on these forms will help HDOA/CTAHR-CES in monitoring and quantifying the success of the *Secusio extensa* release.

Currently from the Mealani Experiment Station site and the Maui Agricultural Experiment Station in Kula we have dispersed about 7,300 larvae since February 2013.

Release Program

The main requirements of the release program are to have a field cage, provide us with the information of the location of the cage and basic information of the success of your cages. You can find the information needed to rear the *secusio* on our Hawaii Rangelands site

The dimensions of the cage are flexi-



Secusio larvae feeding on flower petal.

ble, but the amount of fireweed inside is important. The recommendation is about 5 plants per 50 larvae to take them from the third instar to pupae stage. Thus, the cage needs to be able to accommodate the required amount of fireweed to sustain the larvae until they pupate. We disperse about a 100-200 larvae to each participant. This beginning stock is to start your own colony within your area. Larvae produced from this stock can restock any other cages. Larvae are dispersed in various stages from 3rd -5th instars.

The 5th instar will pupate after 4 or 5 days and then the pupae stage lasts about 14 days. Once the adult emerges from the pupae they will mate 2-3 days later and the female will lay eggs for 5 to 8 days. A single female will lay about 220 eggs with about an 80% hatch rate.



Field cage set-up