



New Invasive Snail in Hawai'i

**** SPECIAL ATTENTION: O'ahu ****

ADULT TOP VIEW (RULER IN CM)



ADULT SIDE VIEW



MULTIPLE LIFE STAGES



CUBAN BROWN SNAIL (CBS)

- SCIENTIFIC NAME:** *Zachrysia provisoria*
- DETECTED:** September 2020
- LOCATION:** Only reported on O'ahu as of June 2021
- FEEDS ON*:** Ornamentals, vegetables, and other crops
- HABITS:** Feeds at night
Burrows into soil during the day
- ADULT SHELL:** Can reach over 3cm in length (1.5in) and about 2cm (~1/2in) in height
- EGGS:** 1/2cm (~1/4in) in length
- CONCERN:** CBS feeds on a wide variety of plants and has the potential to negatively impact agriculture. It is also a known host of rat lungworm (*Angiostrongylus cantonensis*), which can impact human health. Due to its lifestyle habits it is difficult to find and easy to spread through accidental transport.
- *In Hawai'i, CBS has been found feeding on garden vegetables and herbaceous greens.

PREVENT THE SPREAD:

CBS will burrow into the soil to avoid heat and drying out, allowing them to easily hitchhike in potted plants. They may also hide in other cool, moist areas (i.e. cinder blocks). Always carefully inspect plants and other materials before moving them to new areas. All plants should be inspected by the HDOA Plant Quarantine Branch prior to transporting interisland.

Plant Pest Control Branch (PPC)
HDOA.PPC@HAWAII.GOV

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CBS EGGS (RULER IN MM)



Photo: Lyle Buss,
University of Florida

Photo not to scale.

CBS DORMANT IN CINDER BLOCK (CIRCLED)



Photo not to scale.

NEWLY HATCHED CBS (CIRCLED)



Photo not to scale.

CBS WITH QUARTER TO SHOW SIZE



Photo: Lyle Buss,
University of Florida

Photo not to scale.

CONTROL:

If you see this snail, please take clear photos with a coin or common object next to it for size comparison. Gently capture the snail(s) using gloves and place into a sealed container/jar with holes in the lid.

E-mail photos, date taken, and location to HDOA.PPC@hawaii.gov or submit a report to 643pest.org.

Manual removal of snails in the evening or at night after watering plants is an effective way of reducing snail populations. A reminder that snails may be carriers of rat lungworm disease and gloves and non-contact collection methods are advised. Molluscicide-containing slug and snail baits will kill snails or reduce feeding. It is the law to read and follow all pesticide labels.

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