

Mango red-banded caterpillar (281)

Summary

- Widespread distribution. Asia, Southeast Asia, Oceania. On mango, both the cultivated, and wild species.
- Eggs laid on fruit stalks. Larvae bore into fruit, and one bores to the seed, and the others disperse. When mature, the larvae are white, have black heads and 11 red bands. Adults are greyish/pale brown; and nocturnal.
- Spread by flight and by the trade in fruit.
- Natural enemies: wasp parasitoids and ants.
- Cultural control: if trees are pruned to a suitable height bag the fruit; remove fruit with stains (a sign of larvae inside). A pheromone has been trialed.
- Chemical control: thiacloprid (a neonicotinoid) used in Papua New Guinea, and synthetic pyrethroids in the Philippines.

Common Name

Red-banded mango caterpillar, mango seed borer

Scientific Name

Deanolis sublimbalis; also known as *Noorda albizonalis*, and *Deanolis albizonalis*. It is a member of the Crambidae.



Photos 1. Red-banded mango caterpillar, *Deanolis sublimbalis*, showing the destruction of the seed.



Photo 2. Larvae of the red-banded mango caterpillar, *Deanolis sublimbalis*, in the seed of a mango fruit.



Photo 4. Red-banded mango caterpillar, *Deanolis sublimbalis*.



Photo 3. Dark stains on the sides of the fruit from liquid oozing out of entry sites made by the larvae of the red-banded mango caterpillar, *Deanolis sublimbalis*.

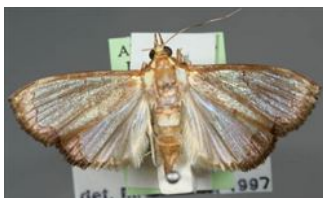


Photo 5. Adult of the red-banded mango caterpillar, *Deanolis sublimbalis*.

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Information from Red banded mango caterpillar (2020) Business Queensland, Queensland Government. (<https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/crop-growing/priority-pest-disease/red-banded-mango-caterpillar>); and Royer J (2008) Red banded mango caterpillar. Mango industry biosecurity plan (threat-specific contingency plan). Department of Primary Industries and Fisheries, Queensland Government. (<http://www.planthealthaustralia.com.au/wp-content/uploads/2013/03/Red-banded-mango-caterpillar-CP.pdf>); and Tenakanai D, et al. (2006) Red-banded mango caterpillar, *Deanolis sublimbalis* Snellen (Lepidoptera: Pyralidae: Odontinae), in Papua New Guinea. In: Price TV (ed) 'Pest and disease incursions: risks, threats and management in Papua New Guinea'. Canberra, ACIAR Technical Reports No. 62:161-165; and from CAB (2012) *Deanolis albizonalis* (mango seed borer). Crop Protection Compendium. (<https://www.cabi.org/cpc/datasheet/36492>). Photos 1-5 Walker K et al. (2005) Red banded mango caterpillar (*Deanolis sublimbalis*). (PaDIL - (<http://www.padil.gov.au>)).

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