



Pacific Pests and Pathogens - Mini Fact Sheet Edition

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Mango pulp weevil (437)



Photo 1. Mango cut open to show the damage and frass of the mango pulp weevil, *Cryptorhynchus frigidus*.



Photo 2. Adult mango pulp weevil, *Cryptorhynchus frigidus*.



Photo 3. Adult mango pulp weevil, *Cryptorhynchus frigidus* (above).

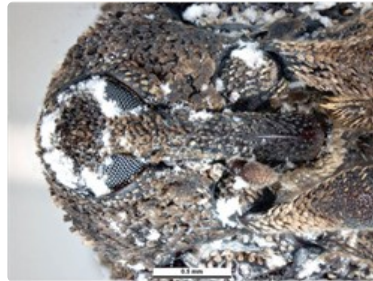


Photo 4. Adult mango pulp weevil, *Cryptorhynchus frigidus*, showing the snout in a groove beneath the body.

Summary

- Restricted. Asia, Oceania. In Papua New Guinea.
- Serious pest causing premature fruit drop, loss of market access or the need for expensive treatments. On mango, cultivated and wild. Larvae make fruit inedible.
- Eggs laid into fruit; larvae white, legless, with black heads, tunnel through the flesh leaving trails of frass, finally pupating inside a frass-filled chamber. Adults, 6-9 cm, hard, brownish with white patches, long snouts, remaining 30 days in the fruit before leaving. Note, similarity with mango seed weevil (*Sternuchus mangiferae*) (see **Fact sheet no. 353**) – need expert examination to separate species.
- Spread by walking and flight (strong flyer but does not go far). Spread long distances via international fruit trade, and planting material.
- Biosecurity: regulate mango imports using ‘area freedom’ as management strategy (see FAO International Standard).
- Natural enemies: *Oecophylla* weaver ants (see **Fact Sheet no. 386**).
- Cultural control: collect fallen fruit and bury deeply; harvest fruit just before ripe; bag fruits individually (use paper) when about 6 cm diameter.
- Chemical control: unlikely to be effective, but synthetic insecticides recommended in the Philippines. See recommendations for mango seed weevil.

Common Name

Mango pulp weevil. It is also known as the mango fruit weevil.

Scientific Name

Cryptorhynchus frigidus; previously, it was known as *Sternochetus frigidus*.

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Information from Mango pulp weevil. Business Queensland. Queensland Government. (<https://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/crop-growing/priority-pest-disease/mango-pulp-weevil>); and CABI (2019) *Cryptorhynchus frigidus* (mango fruit weevil). Crop Protection Compendium. (<http://www.cabi.org/cpc>). Photo 1 Mango pulp weevil. Business Queensland, Queensland Government. Australia. Photos 2-4 Walker, K (2005) Mango Pulp Weevil (*Sternochetus frigidus*). PaDIL - <http://www.padi1.gov.au>.

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This mini fact sheet is a part of the app *Pacific Pests and Pathogens*

The mobile application is available from the Google Play Store and Apple iTunes.

