



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Mango flower beetle (367)



Photo 1. Adult mango flower beetle, *Protactia fusca*.



Photo 2. Top and underneath views of the adult mango flower beetle, *Protactia fusca*.



Photo 3. Adult mango flower beetle, *Protactia fusca*, feeding on maize.



Photo 4. Adult mango flower beetle, *Protactia fusca*, feeding on a fig.



Photo 5. Adult mango flower beetle, *Protactia fusca*, feeding on eggplant. They damage the leaf and flower buds (Fiji).



Photo 6. Adult mango flower beetle, *Protactia fusca*, feeding on eggplant. They damage the leaf and flower buds (Fiji).



Photo 6. Damage to leaves of eggplant, after attack by the flower beetle, *Protaetia fusca*, on the leaf bugs at an earlier stage (Fiji).

Summary

- Widespread distribution. Common in Pacific island countries.
- Damage to many ornamentals, food crops and trees by adult beetles accessing nectar, pollen.
- Eggs laid in organic matter, C-shaped larvae move on their back, adults up to 17 mm long, broad, dark brown with greenish/yellow markings.
- Spread on the wing, and plants in horticultural trade.
- Natural enemies: parasitoid wasps. Attempts made in Hawaii.
- Cultural and Chemical control. Not recommended, except for hand-picking if numbers are high and plants are accessible. The beetle is slow-moving. If chemical necessary, try PDPs: derris, neem, pyrethrum; alternatively, use synthetic pyrethroids.

Common Name

Mango flower beetle, Asian mango flower beetle, mottled flower scarab.

Scientific Name

Protaetia fusca

AUTHOR Grahame Jackson & Mani Mua

Information from Woodruff RE (2016) The Asian mango flower beetle, *Protaetia fusca* (Herbst), and *Euphoria sepulcralis* (Fabricius) in Florida and the West Indies (Coleoptera: Scarabaeidae: Cetoniinae). *Insecta Mundi* 20(3-4): 227-231. (<https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1113&context=insectamundi>); and Hawaiian scarab id *Protaetia fusca*. (<http://idtools.org/id/beetles/scarab/factsheet.php?name=15219>); and from Leblanc L *et al.* (2013) *Protaetia orientalis* (Coleoptera: Scarabaeidae) attracted to methyl eugenol fruit fly lure. *Proceedings of the Hawaiian Entomological Society* 45:45-48. Photo 1. McCormack G (2007) Cook Islands Biodiversity Database, Version 2007(2). Cook Islands Natural Heritage Trust, Rarotonga. (<http://cookislands.bishopmuseum.org>). Photos 2&4 Bramadi Arya Wikipedia. (https://en.wikipedia.org/wiki/Protaetia_fusca).

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



