



Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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Brown marmorated stink bug (405)



Photo 1. Eggs of the marmorated stink bug, *Halyomorpha halys*, with first stage nymphs.



Photo 2. Late stage nymph of the marmorated stink bug, *Halyomorpha halys*, showing the banding on legs and antennae.



Photo 3. Late stage nymph of the marmorated stink bug, *Halyomorpha halys*, showing the banding on legs and antennae.

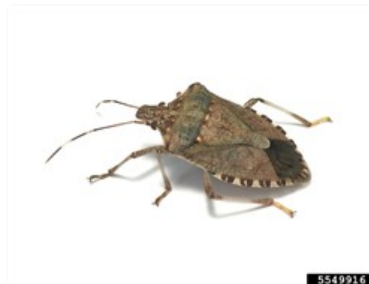


Photo 4. Adult marmorated stink bug, *Halyomorpha halys*. Note the black and white markings to the outer edge of the body.

Summary

- Widespread. Asia, North America, Europe, Oceania. In Guam.
- An invasive and damaging pest of fruit trees, row crops, vegetables, woody ornamentals, wood lots. More than 100 hosts. Sucks sap and inject toxins. Feed on fruits causing spots, sunken areas, distortions, death.
- A stink bug (up to 17 mm); smell when disturbed! Eggs cream to yellow orange in clusters; nymphs dark heads, orange abdomens and black stripes; adults mottled brown with black and white markings at edges. In temperate countries, adults aggregate in autumn to find cracks and crevices to overwinter (homes, luggage, machinery, cars, cargo). Spreads on the wing over short distances; spread long distances as hitchhikers on ships, and via horticultural trade.
- Natural enemies: *Trissolcus* species important in Asia.
- Biosecurity: quarantine measures; high vigilance, many interceptions reported.
- Cultural control: no effective recommendations.
- Chemical control: neonicotinoids and pyrethroids, but i) resistance to pyrethroids may be developing, and ii) their use has resulted in outbreaks of other pests due to loss of natural enemies.

Common Name

Brown marmorated stink bug, also known in Asia as the yellow-brown stink bug.

Scientific Name

Halyomorpha halys

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Information from CAB International *Halyomorpha halys* (brown marmorated stink bug) (2019) Crop Protection Compendium. (www.cabi.org/cpc); and from Plant Health Australia. (<https://www.planthealthaustralia.com.au/wp-content/uploads/2016/04/Brown-Marmorated-Stink-Bug-FS.pdf>). Photos 1&2 Gary Bernon, USDA APHIS, Bugwood.org. Photo 3 Kristie Graham, USDA ARS, Bugwood.org. Photo 4 Sisan Ellis, Bugwood.org

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This mini fact sheet is a part of the app *Pacific Pests, Pathogens & Weeds*

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

