

Brown marmorated stink bug

Halyomorpha halys

What crops does it affect?

Brown marmorated stink bug (BMSB) has approximately 100 reported hosts including sweet cherry, persimmon, soybean, Siberian crab apple, apple, pear, pea, Japanese apricot tree, peach, raspberry, blackberry, grapevine, hazelnut, pecan, walnut, sweetcorn, tomato and citrus.

What does it look like?

- Eggs are smooth and pale in colour, approximately 1.3 mm in diameter by 1.6 mm in length and are laid in clusters of 20–30.
- When they hatch, BMSBs are brightly coloured, black and reddish-orange and remain clustered about the egg mass. They move away after moulting to the next stage of development.
- They are variable in size and colour: adults range from 12–17 mm in length, and 7–10 mm in width.
- The backs of adults are brownish in colour with a marbled or mottled pattern.

Which part of the plant will be damaged?

Flowers, fruit and leaves.

What should I look for?

- Adults and nymphs cause feeding damage.
- On tree fruits, feeding injury causes depressed or sunken areas.
- Late season injury causes corky spots on the fruit. Feeding may also cause fruiting structures to abort prematurely.
- Necrotic areas may form on leaves and feeding damage may ultimately be seen on the whole tree.
- There is frequently a distinct edge effect in crop plots as BMSB moves between orchards or crops on mass.

How does it spread?

BMSB spreads by flying, natural movement and hitchhiking.



Adult brown marmorated stink bug.

David R. Lance, USDA APHIS PPQ, Bugwood.org



Late instar, showing characteristic white bands on legs, antenna and along edge of body.

Gary Bernon, USDA APHIS, Bugwood.org



Newly hatched egg mass.

Gary Bernon, USDA APHIS, Bugwood.org

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