



Pacific Pests and Pathogens - Mini Fact Sheet Edition

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Citrus glassy-winged sharpshooter (269)



Photo 1. Adult glassy-winged sharpshooter, *Homalodisca vitripennis*. The adults are 10-12 mm long.



Photo 2. Side view of adult glassy-winged sharpshooter, *Homalodisca vitripennis*.



Photo 3. Difference in size of fruit infected with citrus variegated chlorosis, *Xylella fastidiosa*, (left) and healthy fruit (right).

Summary

- Widespread distribution. North, South, Central America, Oceania. On citrus, almond, avocado, grape, peach, olive, and more. An important pest.
- The leafhopper spreads a bacterium (*Xylella*).
- Eggs laid in leaves covered in white powder. Adults and nymphs feed on sap, excreted as “leafhopper rain”. Adults, cigar-shaped, 12-14 mm, dark above and light below. Spread by flight, and in nursery trade.
- Biosecurity: a major concern because of its restricted distribution, and it spread important diseases.
- Natural enemies: introduction of wasp parasitoids is the primary control method.
- Cultural control: none recommended.
- Chemical control: white and horticultural oils and soaps are used; imidacloprid applied either as a foliar spray or to the soil. Soil application lasts longer and does less harm to wasp parasitoids.

Common Name

Citrus glassy-winged sharpshooter

Scientific Name

Homalodisca vitripennis; previously, it was known as *Homalodisca coagulata*.

¹¹³Information from Varela LG, Hashim-Buckey JM, Wilen CA, Phillips PA (2014) Pest Notes: glassy-winged sharpshooter. Produced by IPM Education and Publications, University of California Statewide IPM Program. (<http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7492.html>); and from Citrus variegated chlorosis (CVC), USDA, University of Florida, Lucid. (<http://tdtools.org/id/citrus/diseases/index.php>); and from CABI (2015) *Homalodisca vitripennis* (glassy winged sharpshooter) Crop Protection Compendium. (www.cabi.org/cpc). ¹¹⁴Photo 1 Johnny N. Dell, Bugwood.org. Photo 2 Russ Ottens, University of Georgia, Bugwood.org. Photo 3 Alexander Purcell, University of California, Bugwood.org.

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