

## Citrus glassy-winged sharpshooter (269)

### 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*.



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).

AUTHOR Grahame Jackson

Information from Varela LG, et al. (2019) Glassy-winged sharpshooter. University of California Statewide IPM Program. Agriculture and Natural Resources, University of California. (<http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7492.html>); and from Citrus variegated chlorosis (CVC). *Xylella fastidiosa* Well et al. USDA, University of Florida. (<http://idtools.org/id/citrus/diseases/factsheet.php?name=Citrus+variegated+chlorosis+%28CVC%29>); and from CABI (2015) *Homalodisca vitripennis* (glassy winged sharpshooter) Crop Protection Compendium. (<https://www.cabi.org/cpc/datasheet/275611>). Photo 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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