# 1. PaDIL Species Factsheet

## Scientific Name:

*Aleurocanthus woglumi* Ashby, 1915
(Hemiptera: Aleyrodidae: Aleyrodinae)

## Common Name

Citrus blackfly
Live link: http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/136070

## Image Library

Australian Biosecurity
Live link: http://www.padil.gov.au:80/pests-and-diseases/

## Partners for Australian Biosecurity image library

Museum Victoria
http://museumvictoria.com.au/

CRC National Plant Biosecurity
http://www.crcplantbiosecurity.com.au/

Plant Health Australia
http://www.planthealthaustralia.com.au/

Department of Agriculture, Fisheries and Foresty
http://www.daff.gov.au/

Department of Agriculture and Food, Western Australia
http://www.agric.wa.gov.au/

# 2. Species Information

## 2.1. Details

**Specimen Contact:** Natural History Museum of London (BMNH) -
**Author:** Walker, K.
**Citation:** Walker, K. (2005) Citrus blackfly*(Aleurocanthus woglumi)*Updated on 11/25/2011 Available online: PaDIL - http://www.padil.gov.au


## 2.2. URL

Live link: http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/136070

## 2.3. Facets

**Status:** Exotic Regulated Pest - absent from Australia
**Group:** Bugs
**Commodity Overview:** General, Horticulture
**Commodity Type:** General, Fresh Flowers, Fresh Fruit, Ornamentals, Viticulture, Citrus
**Distribution:** USA and Canada, Central and South America, Africa, South and South-East Asia, Australasian - Oceanian

## 2.4. Other Names

*Aleurocanthus punjabensis* Corbett

## 2.5. Diagnostic Notes

Description: (Important characters in italics) Pupal case less than 1.65 x as long as broad; disc or submargin with a pattern of stout, acute or tubiforms spines; dorsal spines acute; cuticle brown; venter smooth; margin very coarsely toothed, submarginal row of spines normally 11 pairs in femaleusually with a single outer subdorsal apir arising adjacent to third posterior most submarginal pair.
Source: Martin, J. 1987 An identification guide to common whitefly pests of the world. (See reference for full details).
The six-legged, dusky, elongate first-instar larvae (0.3 x 0.15 mm) have two long and several shorter, slender dorsal glandular spines. All subsequent immature stages are sessile, have non-functional leg stubs and possess numerous, dark dorsal spines on which a stack of exuviae of earlier instars may occur. The second instar (0.4 x 0.2 mm) is a dark brown to charcoal convex disc with yellow markings, while the third instar (0.87 x 0.74 mm) is usually black with a rounded, greenish spot on the anterior part of the abdomen and obvious dorsal spines. In the fourth immature stage or 'pupa', females are larger (1.25 mm long) than males (1 mm long). This stage is black, has numerous dorsal spines and is often surrounded by a white fringe of waxy secretion. This is the stage required for identification purposes(from CABI 2004). Marginal teeth large and blunt with between 3.5 and 5 teeth per 0.1mm. Spines of submarginal row usually with 11 pairs, some much longer than others and with the third posteriormost pair doubled. (Martin 1999).Adults are winged in both sexes, the females (1.7 mm long) being larger than the males (approximately 1.33 mm long). The wings are dark grey at ecdysis, sometimes developing a metallic blue-grey sheen later; lighter markings on the wings appear to form a band across the insect. The body is orange to red initially; the thorax darkens to dark grey in a few hours. The limbs are whitish with pale yellow markings (from CABI 2004).

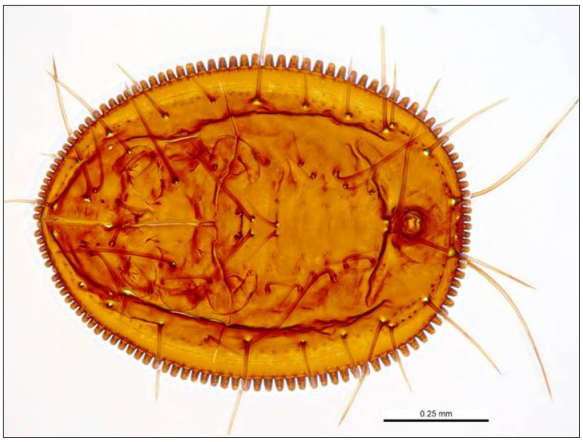
## 2.6. References

CABI (2004) CABI Crop Protection Compendium, 2004 Edition. © CAB International, Wallingford, UK, 2004. Dietz HF, Zetek J. 1920. The blackfly of citrus and other subtropical plants. USDA Bulletin 885:1-55 Dowell RV, Cherry RH, Fitzpatrick GE, Reinert JA, Knapp JL. 1981. Biology, plant-insect relations, and control of the citrus blackfly. Florida Agricultural Experiment Station Bulletin 818:1-48. Martin, J. (1999). The Whitefly fauna of Australia (Sternorrhyncha: Aleyrodidae). A taxonomic account and identification guide.CSIRO Entomology Technical Paper No. 38, CSIRO, Melbourne, 197pp. OEPP/EPPO (1979) Data sheets on quarantine organisms No. 103, Aleurocanthus woglumi. Bulletin OEPP/EPPO Bulletin 11 (1). Steinberg, B.; Dowell, R.V. (1980) Suitability of native or naturalized plants as long-term hosts of the citrus blackfly. Annals of the Entomological Society of America 73, 662-664

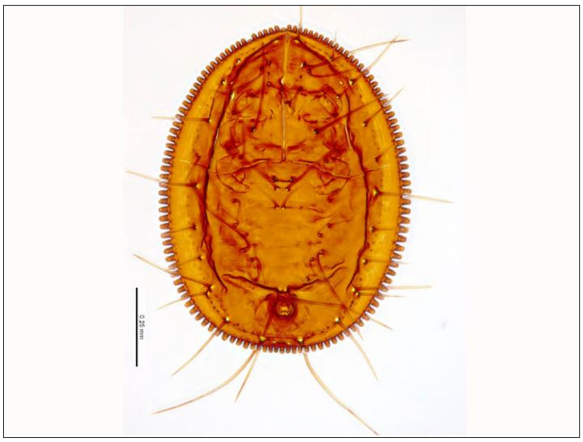
## 2.7. Web Links

**EPPO Data Sheets on Quarantine Pests, Aleurocanthus woglumi:**
http://www.eppo.org/QUARANTINE/insects/Aleurocanthus_woglumi/ALECWO_ds.pdf
**University of Florida and Florida Department of Agriculture and Consumer Services, A. woglumi profile page:**
http://creatures.ifas.ufl.edu/citrus/citrus_blackfly.htm

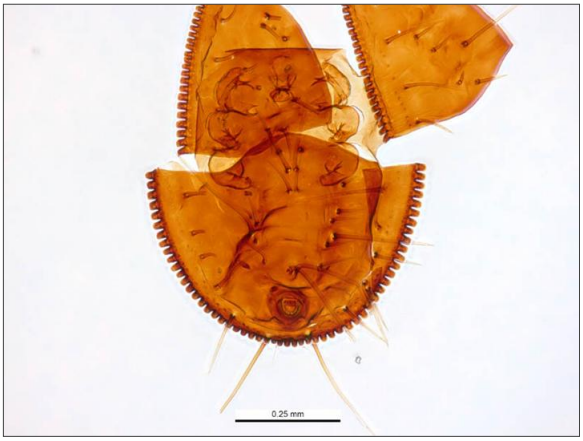
# 3. Diagnostic Images



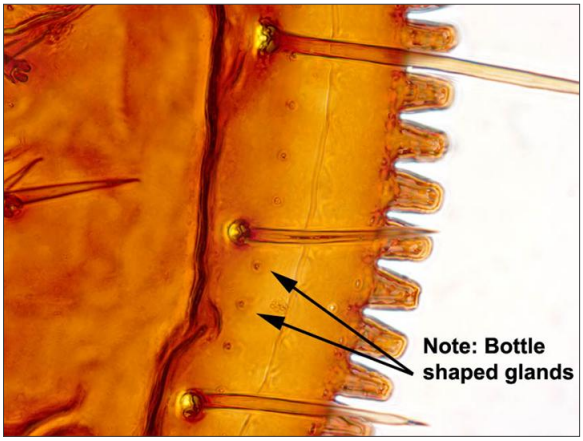

Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Dorsal horizontal view:** Ken Walker Museum Victoria



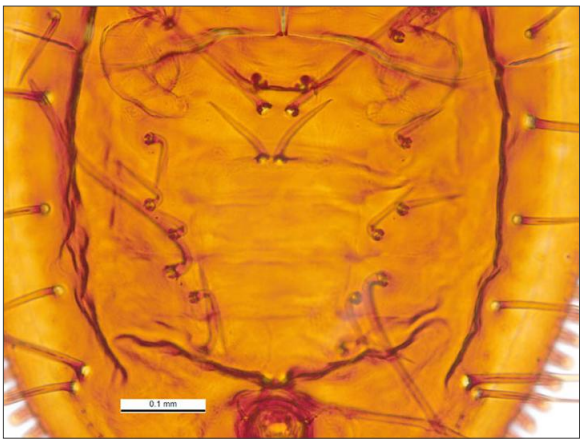
Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Dorsal view - female:** Ken Walker Museum Victoria



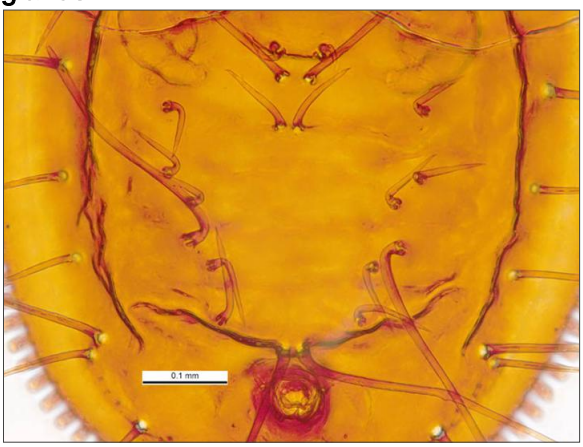

Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Dorsal view - male:** Ken Walker Museum Victoria



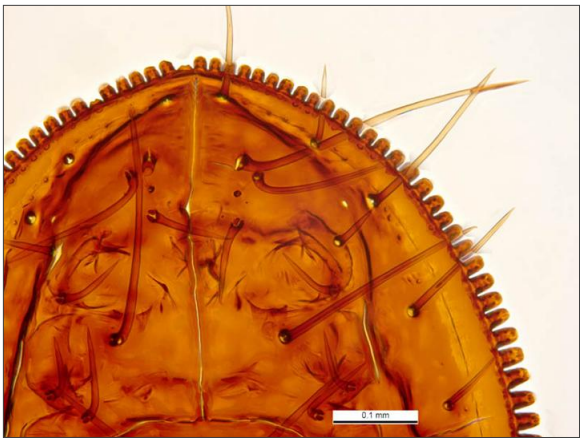

Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Marginal crenulations - note bottle shaped glands:** Ken Walker Museum Victoria




Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Rhachis:** Ken Walker Museum Victoria




Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Submedium spines:** Ken Walker Museum Victoria

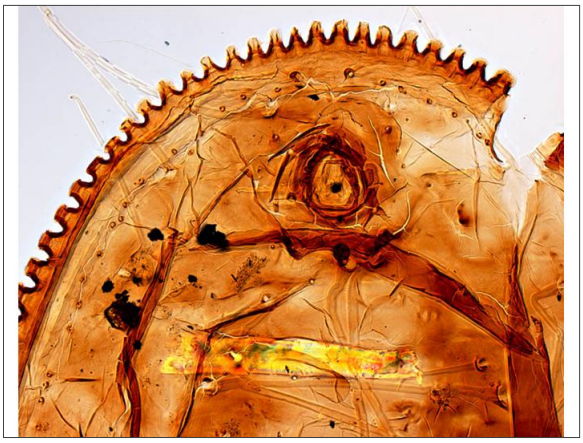



Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Tracheal notch and tracheal comb absent:** Ken Walker Museum Victoria

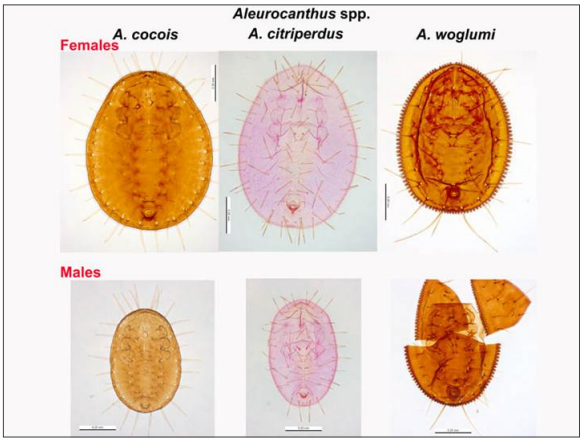

Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Vasiform orifice:** Ken Walker Museum Victoria

# 4. Other Images

Aleurocanthus valenciae
**A. valenciae nymphs:** Copyright CSIRO CSIRO

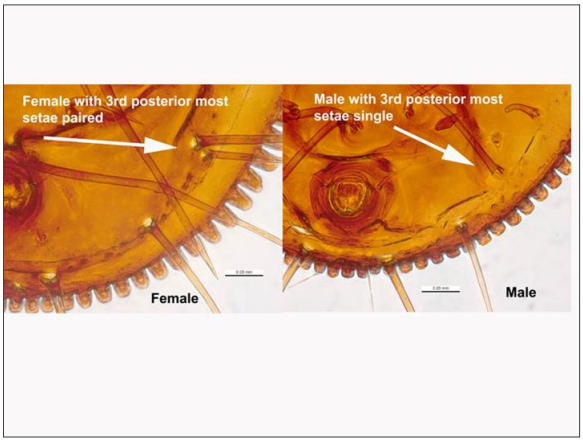


USA. Mexico, May 2003, ex Citrus leaf
**Anterior view:** Ken Walker Museum Victoria

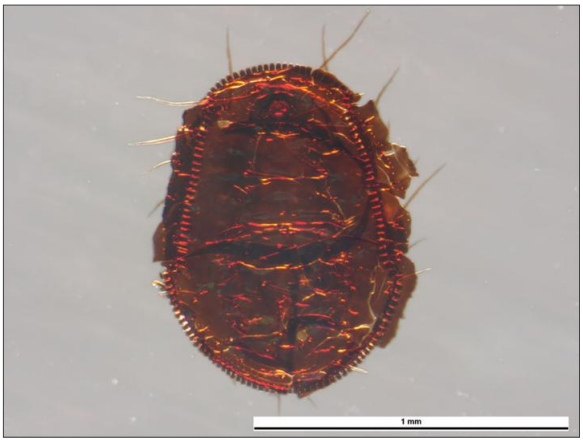



Images of female and male of Aleurocanthus cocois, A. citriperdus and A. woglumi

**Composite of Aleurocanthus:** Ken Walker Museum Victoria

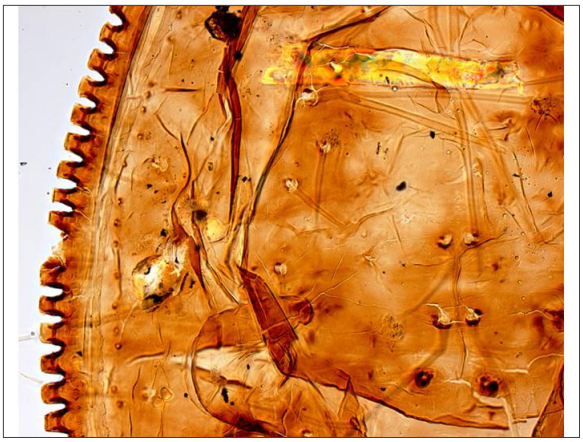



Dominica: Castle Bruce, 3 July 2001. Lolpez / Dominique det. J. Martin
**Diagnostic notes to separate females and males:** Ken Walker Museum Victoria




Unlabelled
**Dorsal View:** Amy Carmichael Queensland University of Technology

USA. Mexico, May 2003, ex Citrus leaf
**Dorsal view:** Ken Walker Museum Victoria



USA. Mexico, May 2003, ex Citrus leaf
**Lateral view:** Ken Walker Museum Victoria

USA. Mexico, May 2003, ex Citrus leaf
**Posterior view:** Ken Walker Museum Victoria

## Results Generated:

Thursday, April 9, 2020