

# 1. PaDIL Species Factsheet



## Scientific Name:

*Microcephalothrips abdominalis* (Crawford DL, 1910)

Thysanoptera, Terebrantia, Thripidae, Thripinae

## Common Name

Sunflower thrips

Live link: <http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/139909>

## 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 Forestry

<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:** Desley Tree - [desley.tree@deedi.qld.gov.au](mailto:desley.tree@deedi.qld.gov.au)

**Author:** Desley Tree

**Citation:** Desley Tree (2010) Sunflower thrips (*Microcephalothrips abdominalis*) Updated on 11/12/2010

Available online: PaDIL - <http://www.padil.gov.au>

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### 2.2. URL

Live link: <http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/139909>

### 2.3. Facets

**Commodity Overview:** Field Crops and Pastures

**Commodity Type:** Fresh Flowers

**Distribution:** USA and Canada, Central and South America, Europe and Northern Asia, Mediterranean Basin, Africa, South and South-East Asia, Australasian - Oceanian

**Group:** Thrips

**Status:** Exotic Species Establishment in Australia

### 2.4. Other Names

*Aureothrips marigoldae* Raizada, 1966

*Microcephalothrips armatus* Ananthkrishnan, 1956

*Microcephalothrips chinensis* Feng, Nan & Guo, 1998

*Microcephalothrips jigongshanensis* Feng, Nan & Guo, 1998

*Paraphysopus burnsi* Girault, 1927

*Stylothrips brevipalpis* Karny, 1927

*Thrips (Ctenothripiella) gillettei* Moulton, 1926

*Thrips abdominalis* Crawford DL, 1910

*Thrips crenatus* Watson, 1922

*Thrips femoralis* Jones, 1912

*Thrips microcephalus* Priesner, 1923

*Thrips oklahomae* Watson, 1931

### 2.5. Diagnostic Notes

Female macropterous or micropterous with wings shorter than thorax width. Body brown, fore tibiae and tarsi paler; forewings brown. Head small, wider than long, two pairs of ocellar setae present, pair III small and anterolateral to ocellar triangle. Antennae 7-segmented; segments III–IV with small usually forked sensorium. Pronotum wider at posterior than anterior margin; two pairs of short posteroangular setae, five pairs of posteromarginal setae. Metanotal sculpture linear, campaniform sensilla present; median setae arise behind anterior margin. Forewing first vein with three setae on distal half, second vein with about seven setae. Tergites with craspedum of triangular lobes on posterior margins, discal area without sculpture; tergites V–VIII with paired ctenidia, on VIII posteromesad to spiracle; tergite VIII posteromarginal comb with slender microtrichia arising from broad bases. Sternites with two rows of discal setae, without craspeda. Male similar but smaller and paler; tergites I–VIII posterior margin with craspedum of long triangular lobes;

sternites with craspeda of triangular lobes, III–VII each with small circular pore plate.

## 2.6. References

Hoddle MS, Mound LA & Paris D 2008 *\_Thrips of California\_*. Cd-rom published by CBIT, Brisbane.  
[http://www.lucidcentral.org/keys/v3/thrips\\_of\\_california/Thrips\\_of\\_California.html](http://www.lucidcentral.org/keys/v3/thrips_of_california/Thrips_of_California.html)

## 2.7. Web Links

**Thrips of California Lucid key:**

[http://www.lucidcentral.org/keys/v3/thrips\\_of\\_california/Thrips\\_of\\_California.html](http://www.lucidcentral.org/keys/v3/thrips_of_california/Thrips_of_California.html)

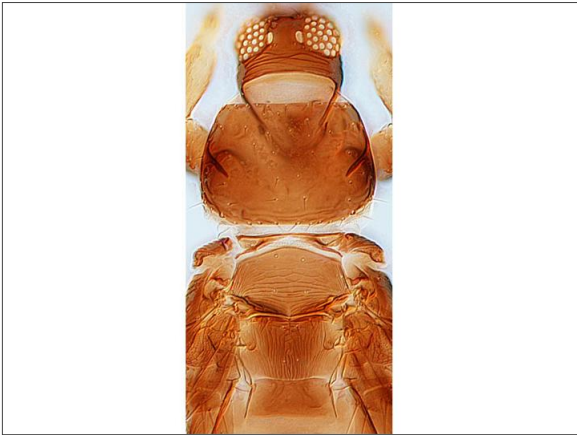
### 3. Diagnostic Images



Antennae  
Dorsal: Laurence Mound CSIRO



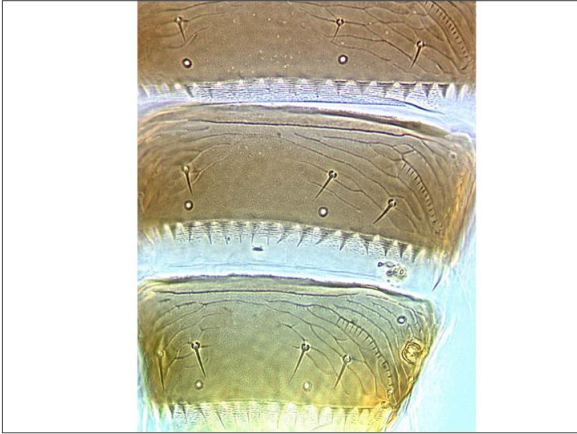
Adult female  
Dorsal: Desley Tree DEEDI



Head and thorax  
Dorsal: Desley Tree DEEDI



Forewing  
Dorsal: Desley Tree DEEDI



Tergites VII and VIII  
Dorsal: Laurence Mound CSIRO



Sternites IV-V  
Ventral: Laurence Mound CSIRO

Results Generated:

Friday, February 21, 2020

