

1. PaDIL Species Factsheet



Scientific Name:

Trogoderma simplex Jayne, 1882
(Coleoptera: Dermestidae: Megatominae)

Common Name

trogoderma dermestid beetle

Live link: <http://www.padil.gov.au/pests-and-diseases/Pest/Main/135919>

Image Library

Australian Biosecurity

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

Partners for Australian Biosecurity image library



Australian Government
Department of Agriculture,
Water and the Environment

Department of Agriculture, Water and the Environment
<https://www.awe.gov.au/>



Department of
Primary Industries and
Regional Development

Department of Primary Industries and Regional Development,
Western Australia
<https://dpir.wa.gov.au/>



Plant Health Australia
<https://www.planthealthaustralia.com.au/>



Museums Victoria
<https://museums victoria.com.au/>

2. Species Information

2.1. Details

Specimen Contact: AQIS, Sydney -

Author: Walker, K.

Citation: Walker, K. (2007) trogoderma dermestid beetle (*Trogoderma simplex*) Updated on 11/25/2011

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

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2.2. URL

Live link: <http://www.padil.gov.au/pests-and-diseases/Pest/Main/135919>

2.3. Facets

Status: Exotic species - absent from Australia

Group: Beetles

Commodity Overview: General, Horticulture

Commodity Type: General, Stored Products

Distribution: USA and Canada

2.4. Other Names

Trogoderma ajax Casey, 1924

Trogoderma pallens Casey, 1900

2.5. Diagnostic Notes

Adult body length 2.2-4.4mm; body relatively short, ratio of width to length less than 2:1; antennal cavities almost completely heavily punctate (punctures 2 or 3 x as large as facets of eye) except for a small smooth area close to anterior edge, more or less completely closed enclosed behind the sharp diagonal marginal carina.

Source:

See Banks (1994) references

Generic separation of various Dermestid adult and larvae.

Adults

1. Medium ocellus absent - Dermestes Medium ocellus present - Go to 2.
2. Body covered with colourful scales - Anthrenus Body covered with hairs not scales - Go to 3.
3. First segment of hind tarsi half or less the length of second segment - Attagenus First segment of hind tarsi as long or longer than second segment - Go to 4.
4. No distinct antennal club, all segments gradually enlarging from base to apex - Trogoderma Distinct 3 segmented club, these segments considerably larger than remaining segments - Anthrenocerus

Larvae

1. Ninth abdominal segment with horn-like structures - Dermestes Ninth segment without horn-like structures - Go to 2.
2. Dorsal surface without barbed arrow-shaped setae - Attagenus Dorsal surface with barbed arrow-shaped setae - Go to 3.
3. Tufts of barbed setae do not overlap along the midline - Trogoderma & Anthrenocerus Tufts of barbed

setae overlap on midline - Anthrenus

Source: See Rees (2004) in references

2.6. References

Banks, H.J. (1994). Illustrated identification keys for *Trogoderma granarium*, *T. glabrum*, *T. inclusum* and *G. variabile* (Coleoptera: Dermestidae) and other *Trogoderma* associated with stored products. CSIRO Aust. Div. Entomol Tech. Paper No. 32, 1-66
Rees, D. (2004). Insects of stored products. CSIRO publishing.

2.7. Web Links

Image and taxonomy: <http://www.dermestidae.com/Trogodermasimplex.html>

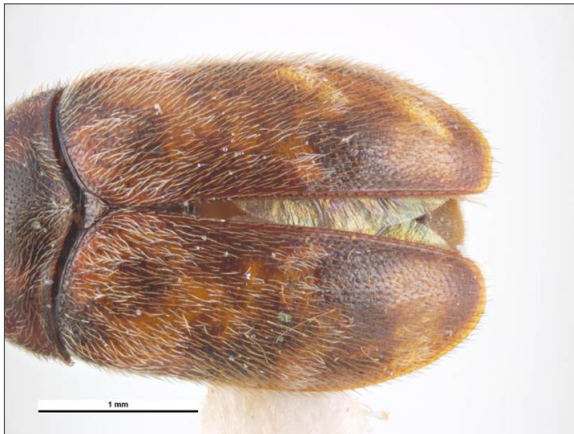
3. Diagnostic Images



USA. Uni. California ex lab culture 1974
Antennal cavity: Simon Hinkley & Ken Walker Museums Victoria



USA. Uni. California ex lab culture 1974
Dorsal view: Simon Hinkley & Ken Walker Museums Victoria



USA. Uni. California ex lab culture 1974
Elytra: Simon Hinkley & Ken Walker Museums Victoria



USA. Uni. California ex lab culture 1974
Head front: Simon Hinkley & Ken Walker Museums Victoria



USA. Uni. California ex lab culture 1974
Lateral view: Simon Hinkley & Ken Walker Museums Victoria



USA. Uni. California ex lab culture 1974
Pronotum: Simon Hinkley & Ken Walker Museums Victoria

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