

## ARTIGO / ARTÍCULO / ARTICLE

### *Trogoderma diiorioi* sp. nov. (Coleoptera: Dermestidae: Megatominae), a new species from Argentina.

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**Abstract:** *Trogoderma diiorioi* sp. nov. (Coleoptera: Dermestidae: Megatominae) from Argentina is described, illustrated and compared with similar species.

**Key words:** Coleoptera, Dermestidae, *Trogoderma*, taxonomy, new species, Argentina.

**Resumen:** *Trogoderma diiorioi* sp. nov. (Coleoptera: Dermestidae: Megatominae), una especie nueva de Argentina. Se describe e ilustra *Trogoderma diiorioi* sp. nov. (Coleoptera: Dermestidae: Megatominae) de Argentina y se compara con especies similares.

**Palabras clave:** Coleoptera, Dermestidae, *Trogoderma*, taxonomía, nueva especie, Argentina.

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## Introduction

This article is a continuation of another one on Argentinian Dermestidae by the same author (Háva, 2016). A new species is now described and, in memoriam, named after Osvaldo R. Di Iorio, recently deceased.

## Material and methods

The size of the beetle and its body parts can be useful in species recognition, so the following measurements were made:

Total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.

Elytral width (EW) - maximum linear transverse distance.

Specimens of the species here described are provided with red, printed label with the text as follows: "HOLOTYPE *Trogoderma diiorioi* sp. nov. Jiří Háva det. 2017".

The following abbreviations were used in this study:

JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic.

The nomenclature follows Háva (2015).

## Results

### Subfamily Megatominae

#### Tribe Megatomini

#### Subtribe Trogodermina

### *Trogoderma diorioi* sp. nov. (Figs. 1-3)

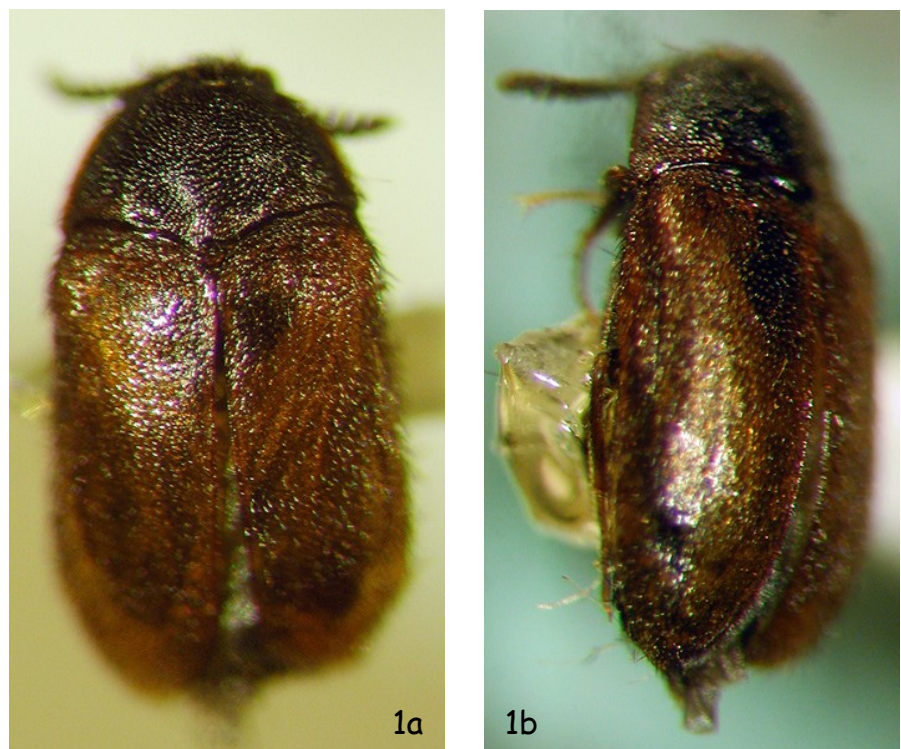
**Type material.** Holotype (♂): Argentina, Neuquén, Villa La Anapstura, III-2008, Di Iorio O. leg. / larva bajo corteza *Nothofagus dombeyi*, (JHAC).

#### Description.

**Male.** Measurements (in mm): TL 3.2, EW 1.8. Body short, broad (Fig. 1); head dark brown; pronotum dark brown, shiny, with sparse brown setation; elytra brown with sparse brown setation; antennae dark brown; legs brown. Head coarsely punctate, sparsely covered with short, golden setation. Palpi light brown. Eyes large, with yellow microsetae. Ocellus on front present. Antennae filiform, dark brown, with short, yellow setation, composed of 11 antennomeres (Fig. 2). Pronotum shiny, coarsely punctate, dark brown, lateral margins of pronotum smooth. Scutellum dark brown, triangular, without setation. Elytra shiny, brown, without fascia or spots, covered by sparse brown setation. Suture near scutellum with short, longitudinal depression on each elytron from punctures. Epipleuron brown, covered by brown setation. Mesosternum and metasternum covered with brown setation finely punctate. Legs dark brown covered with recumbent, yellow setation. Abdominal sternites dark brown, finely punctate, sparsely covered with recumbent brown setation. Male genitalia as in Fig. 3.

**Female.** Unknown.

**Differential diagnosis.** The new species is similar to other species distributed in Argentina but differs from them by the characters mentioned in the key below.



**Fig. 1.-** Habitus of *Trogoderma diorioi* sp. nov. a.- Dorsal view. b.- Lateral view.



Figs. 2-3. - *Trogoderma diiorioi* sp. nov. 2. - Antennae. 3. - Male genitalia.

**Etymology.** Dedicated to the memory of my recently deceased colleague †Osvaldo R. Di Iorio (Buenos Aires, Argentina).

**Bionomy.** The species was found (larva under bark) from the tree *Nothofagus dombeyi* (Fagales, Nothofagaceae).

**Key to *Trogoderma* species recorded from Argentina**

1. Elytra with cuticular ornamental fascia.
  - Elytral subbasal fascia forming loop; body short and relatively broad..... *T. inclusum* LeConte, 1854
  - Elytral subbasal fascia not forming loop; body elongate and narrow..... *T. angustum* (Solier in Gay, 1849)
2. Each elytron with two orange-reddish cuticular spots.
  - Antennae not filiform.
    - Anterior elytral fascia very broad, apical spot very large, occupying apical part..... *T. latenotata* (Pic, 1915)
    - Anterior elytral fascia narrow and short, apical spot small.... *T. argentina* (Pic, 1906)
  - Antennae filiform..... *T. pectinicornis* Reitter, 1881
3. Elytra without cuticular fascia or spots.
  - Body short, broad.
    - elytra black with apical brown part; antennae filiform; pronotum black with small spots of white setation..... *T. baeri* (Pic, 1915)
    - elytra brown without fasciae or spots from setation; antennae filiform; pronotum dark brown to black, without spots..... *T. diiorioi* sp. nov.
    - elytra black or brown with one anterior, short, transverse fascia of white setation; pronotum brown..... *T. ruficollis* Reitter, 1881
    - pronotum and elytra dark brown with fasciae of yellowish-white patterns (Fig. 13)..... *T. turienzoii* Háva, 2016
  - Body elongate, parallel; elytra and pronotum unicolorously brown, antennae long, flat..... *T. sceliphronum* Háva, 2016

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