

**A new *Trogoderma* species from Uruguay
(Coleoptera: Dermestidae: Megatominae)**

Jiří HÁVA

Private Entomological Laboratory & Collection
Rýznerova 37, CZ-252 62 Únětice u Prahy, Praha-západ, Czech Republic
e-mail: jh.dermestidae@volny.cz

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Abstract. *Trogoderma krejciki* sp. nov. from Uruguay is described, illustrated and compared with similar species. A list of all the known Dermestidae recorded from Uruguay are provided.

INTRODUCTION

The genus *Trogoderma* Dejean, 1821 is a genus, which belongs to the family Dermestidae (Coleoptera), subfamily Megatominae and contains 140 species and subspecies worldwide. Thirty-five species have been still known from Central and South America. (Blackwelder 1945, Mroczkowski 1968, Háva 2003, 2010, Háva & Herrmann 2007). A new species collected in Uruguay is described below.

MATERIAL AND METHODS

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

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

pronotal length (PL) - maximum length measured from anterior margin to posterior margin.

pronotal width (PW) - maximum linear transverse distance.

elytral length (EL) - linear distance from shoulder to apex of elytron.

DESCRIPTION

***Trogoderma krejciki* sp. nov.**

(Figs 1-2)

Type material. Holotype (♀): Uruguay, Canelones district, Progreso, 30 m, 13.12.2009, Stanislav Krejčík lgt. Type specimen were labelled with red, printed label bearing the text as follows: "HOLOTYPE *Trogoderma krejciki* sp. n. J. Háva det. 2010". Holotype is deposited in the author's collection.

Description. Female habitus as in (Fig. 1). Measurements (in mm): TL 2,85, PL 0.78, PW 1,53, EL 2,30, EW 1.90. Dorsal integument brown and dark brown, pubescence white and brown. Ventral integument dark brown, pubescence white.

Head finely punctured, with dark brown integument covered by long, erected, light brown pubescence. Palpi entirely brown; pubescence on mentum denser. Median frontal ocellus presented. Antennae yellowish-brown, 11-segmented, with 5-segmented antennal club (Fig. 2).

Pronotum with dark brown integument; with long white pubescence; finely punctured on disk and coarsely punctured on lateral parts. Antennal cavity closed, very broad, finely punctured.

Elytral integument dark brown in the anterior half, posterior half brown, covered with brown, subrecumbent pubescence, with three transverse band from white pubescence; humeri coarsely punctured, with one large bump, other parts finely punctured. Epipleuron broad in its anterior part, black with white pubescence.

Ventral surfaces with recumbent, white pubescence; integument of thoracic sterna dark brown; integument of abdominal sterna brown, sternite V light-brown, covered by white, short pubescence. Prosternal process broad, coarsely punctured.

Mesosternum strongly transverse, with large punctures on lateral parts. Pygidium brown.

Legs brown with short white setae.

Male: unknown.

Differential diagnosis. The new species belongs to the genus *Trogoderma* Dejean, 1821 according to the closed pronotal cavity and by the structure of antennae; the new species is similar to *Trogoderma westerduijni* Háva et Herrmann, 2007: 83 known from Ecuador and Peru, but the new species differs from it by the unicoloured brown antennae, structure of antennal segments, broad body shape and setation on dorsal and ventral surfaces.

Etymology. Patronymic, named after my friend and collector of the new species Stanislav Krejčík (Rýmařov, Czech Republic).

Bionomy. Bionomy unknown, but type specimen was collected on the flowers of *Apiaceae* in the nature garden on the altitude 30 m. (Fig. 3) (S. Krejčík pers. comm.).

LIST OF ALL KNOWN DERMESTIDAE RECORDED FROM URUGUAY*

* the present list is based on data from the literature (Blackwelder 1945, Háva 2003, 2010, Mroczkowski 1968).

Subfamily Attageninae

Attagenus fasciatus (Thunberg, 1795)

Subfamily Dermestinae

Dermestes (Dermestes) ater DeGeer, 1774

Dermestes (Dermestes) haemorrhoidalis Küster, 1852

Dermestes (Dermestes) peruvianus Laporte de Castelnau, 1840

Dermestes (Dermestinus) carnivorus Fabricius, 1775

Dermestes (Dermestinus) maculatus DeGeer, 1774

Subfamily Megatominae

Trogoderma granarium Everts, 1898

Trogoderma krejciki sp. nov.



Fig. 1. Holotype of *Trogoderma krejciki* sp. nov. on flowers (photo by S. Krejčík).

Fig. 2. *Trogoderma krejciki* sp. nov.: 2- antenna of female.

Fig. 3. Type locality of *Trogoderma krejciki* sp. nov. (photo by S. Krejčík).

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