

A new *Attagenus* Latreille, 1802 species (Coleoptera: Dermestidae: Attageninae) from Guatemala

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Abstract. *Attagenus (Attagenus) guatemalensis* sp. nov. from Guatemala is described, illustrated and keyed within the framework of Neotropical species.

INTRODUCTION

The family Dermestidae (Coleoptera) currently containing about 1760 species worldwide (Háva 2022). Some of them have been recognised as pests of different goods and stored products. They occur in various habitats, and can be found in synanthropic (flats, houses, stored products) and natural character (e.g. on flowers, under barks, inside of hollows, in nests of birds or mammals, around spider webs) (Háva 2014). From the Neotropical Region, only five species of *Attagenus* (s. str.) Latreille, 1802 are known (Háva 2022) and one species was transferred to new genus by Háva (2015, 2021). The present article describes a new species of *Attagenus* recently collected in Guatemala and belonging to the nominotypical subgenus.

The article continued recently published articles about Dermestidae from Guatemala García-Ochaeta & Háva (2019), Háva & García-Ochaeta (2021, 2022).

MATERIAL AND METHODS

Type described species is deposited at Universidad del Valle de Guatemala Collection of Arthropods (UVGC).

The specimen were photographed with a Motic SMZ-161 stereomicroscope. The nomenclature follows the catalogue of Háva (2022).

The following abbreviations of measurements were used:
total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.
elytral width (EW) - maximum linear transverse distance.

The holotype specimen labelled with a red printed label (holotype) bearing the text as follows: “HOLOTYPE” *Attagenus (Attagenus) guatemalensis* sp. nov. Háva & García-Ochaeta det. 2022.

TAXONOMY

Attagenus (Attagenus) guatemalensis sp. nov.

(Figs. 1-4)

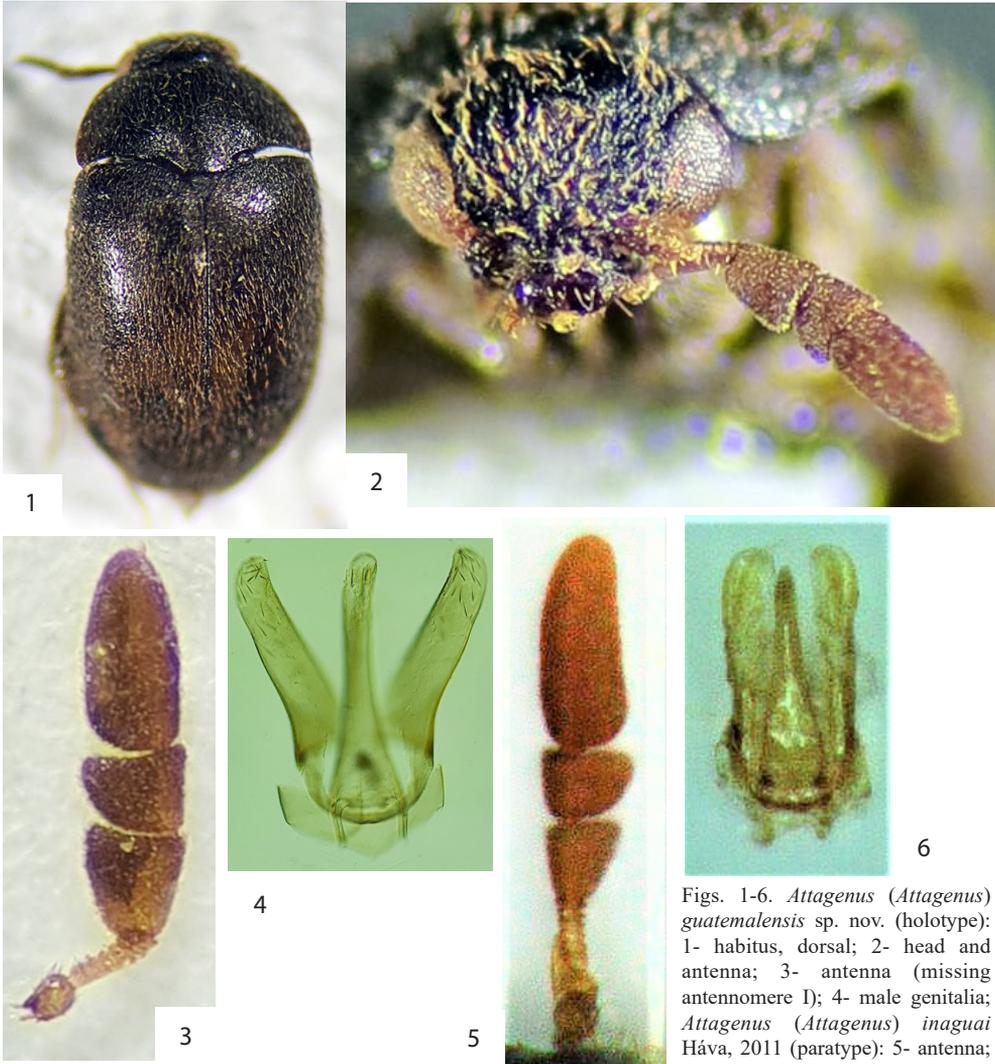
Type material. Holotype (♂): Guatemala, Zacapa, Cabañas, 14°56'26.917"N 89°48'25.823"W, 02.iii.2022, Col. José Francisco García Ochaeta, (UVGC). Paratype (1 ♂): same data as holotype, (UVGC).

Description. Male: Body: TL 2.09-2.58 mm, EW 1.24-1.49 mm; elongated and oval (Fig. 1), slightly convex; dorsally and ventrally unicolorous dark brownish-black, slightly shiny; dorsum covered with dark, long and erected, yellow setation; thoracic underside with comparatively long and recumbent, yellow setation; visible abdominal ventrites with recumbent, yellow setation, sparser than that on thoracic surface. Head finely punctated. Palpi brown. Frontal median ocellus present. Antennae brown with short, yellow setation, composed of 11 antennomeres, antennal club compact with 3 antennomeres (Figs. 2-3). Pronotum finely punctate on the disc, coarsely punctate on lateral margins. Hypomeron matt finely punctured. Scutellum small and triangular, shiny, with rounded apex, without setation. Elytra coarsely punctate on humeri and with one small humeral bump, other parts finely punctate. Epipleuron brown, very short, with short yellow setae. Prosternum without “collar”, mouthparts free. Prosternal process very long and narrow, with yellow setation. Meso- and metasternum finely punctate on disc, coarsely punctate laterally, with yellow, recumbent setation. Abdomen dark brown, with five visible abdominal ventrites, each ventrite laterally with small depressions, covered by recumbent, yellow setation. Legs dark brown, covered with comparatively short and thick, yellow setation. Tarsi moderately long. Aedeagus 0.38-0.40 mm long, difficult to see (parameres long and broad, with slightly curved tips, median lobe narrow) (Fig. 4).

Female. Unknown.

KEY TO *ATTAGENUS (ATTAGENUS)* SPECIES KNOWN FROM NEOTROPICAL REGION

- 1(2) Elytral cuticle brown with one transverse orange-reddish band, covered by yellow setation Cosmopolitan .
..... *A. fasciatus* (Thunberg, 1795)
- 2(1) Elytral cuticle unicolorous without bands or spots
- 3(4) Elytra with small, isolated, circular spots from white setation. Cosmopolitan *A. pellio* (Linnaeus, 1758)
- 4(3) Elytra without spots, setation unicolorous
- 5(10) Lateral margins of prosternum strongly raised and forming knifelike carinae in front of coxae
- 6(9) Pronotum and elytra dark brown-black
- 7(8) Setation on dorsal surfaces grey, prosternal process narrow with grey setation; antenna (Fig. 5); aedeagus (Fig. 6). Bahamas *A. inaguai* Háva, 2011



Figs. 1-6. *Attagenus (Attagenus) guatemalensis* sp. nov. (holotype): 1- habitus, dorsal; 2- head and antenna; 3- antenna (missing antennomere I); 4- male genitalia; *Attagenus (Attagenus) inaguai* Háva, 2011 (paratype): 5- antenna; 6- male genitalia.

- 8(7) Setation on dorsal surfaces yellow, prosternal process very narrow with yellow setation; antenna (Figs. 2-3); aedeagus (Fig. 4). Guatemala *A. guatemalensis* sp. nov.
- 9(6) Pronotum red-brown, elytra light brown; prosternal process broad. Panama *A. globosus* Háva, 2003
- 10(5) Lateral margins of prosternum slightly raised, not forming knifelike carinae; dorsal surfaces from brown to black. Cosmopolitan *A. unicolor* (Brahm, 1790)

Etymology. Toponymic, named for the locality Guatemala where the specimen were collected.

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