Oxyomus mariateresae new species of Mexican Aphodiini (Coleoptera: Scarabaeidae: Aphodiinae)

Marco Dellacasa
Università di Pisa, dellacasa@museo.unipi.it

Giovanni Dellacasa
dellacasag@alice.it

Robert D. Gordon
Northern Plains Entomology, rdgordon@utma.com

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Marco Dellacasa
Museo di Storia Naturale
Università di Pisa
Via Roma, 79
I-56011 Calci (Pisa), Italy

Giovanni Dellacasa
Via Talamone 31/19
I-16127 Genoa, Italy

Robert D. Gordon
Northern Plains Entomology
PO. Box 65
Willow City, ND 58284 USA

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Marco Dellacasa, Giovanni Dellacasa, and Robert D. Gordon  
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**Oxyomus mariateresae** new species of Mexican Aphodiini (Coleoptera: Scarabaeidae: Aphodiinae)

Marco Dellacasa  
Museo di Storia Naturale, Università di Pisa  
Via Roma, 79  
I-56011 Calci (Pisa), Italy  
dellacasa@museo.unipi.it

Giovanni Dellacasa  
Via Talamone 31/19  
I-16127 Genoa, Italy  
dellacasag@alice.it

Robert D. Gordon  
Northern Plains Entomology  
P.O. Box 65  
Willow City, ND 58384 USA  
rdgordon@utma.com

Abstract. The new species *Oxyomus mariateresae* from Mexico (Oaxaca) is described and figured.

Key Words. Systematics, *Oxyomus mariateresae*, new species, Mexico, Aphodiinae

Introduction

This work belongs to a series of papers describing new taxa in preparation for a systematic revision of Mexican Aphodiinae (Coleoptera Scarabaeidae). The sole species of genus *Oxyomus* Dejean, 1833, previously known from Mexico was *O. setosopunctatus* Schmidt, 1911 that was already redescribed and figured by Dellacasa and Stebnicka (2001).

Key to American species of *Oxyomus*:

1. Upperside glabrous. Blackish or brown blackish; sometimes elytra reddish. Length 3.0–4.0 mm. Europe, Mediterranean Africa, southwestern Asia, North America  

   — Upperside more or less diffusely pubescent  
   
   — Upperside more or less diffusely pubescent  

   — Upperside more or less diffusely pubescent

2. Elytral striae catenulate; interstriae with two median longitudinal rows of short yellowish recumbent setae; fore tibiae spur, in males, inwardly curved apically. Dark brownish-grey. Length 3.0–4.0 mm. Mexico (Oaxaca)  

   — Elytral striae foveolate; interstriae with one median longitudinal row of short yellowish recumbent setae; fore tibiae spur, in males, straight. Blackish, in some specimens elytra dirty brownish. Length 2.5–3.5 mm. Mexico (Hidalgo, México, Puebla, Veracruz)  

Materials and Methods

Terminology used in this work to describe morpho-anatomical features follows that of Dellacasa et al. (2001). Materials studied are in the following collections:

DCGI — Dellacasa Collection, Genoa, Italy  
FSCA — Florida State Collection of Arthropods, Gainesville, FL, USA
**Oxyomus mariateresae** new species
(Figures 1–5)

**Type locality.** Llano de las Flores, 17°26'37.1"N-096°30'13.2"W, Oaxaca, Mexico.

**Type repository.** Dellacasa collection, Genoa, Italy.

**Description.** Length 3.0–4.0 mm, oblong, convex, almost dull, pubescent. Dark brownish-grey, anterior angles of pronotum and legs dark brown; antennal club blackish. Head with epistome moderately convex medially, alutaceous, laterally evenly coarsely not very closely punctured; punctures cariöse and those toward genae near imperceptibly haired; clypeus feebly sinuate at middle, round at sides, rather thickly bordered, edge anteriorly slightly reflexed, glabrous; genae obtusely round, sparsely ciliate, protruding from eyes; frontal suture finely impressed, somewhat raised at each side and at middle; front widely alutaceous, evenly coarsely punctured. Pronotum transverse, convex, faintly foveolate, longitudinally at middle and obliquely on each side, strongly alutaceous, evenly densely coarsely and somewhat irregularly punctured; punctures umbilicate, cariöse, each one with rather short recumbent setae; lateral margins feebly arcuate, somewhat tapered before hind angles, thickly bordered, edge glabrous; hind angles well defined, obtuse; base moderately bisinuate, finely bordered, edge crenulate. Scutellum sunken, alutaceous, superficially confusedly punctured. Elytra moderately convex, feebly widened posteriorly, with deep narrow striae, catenulate on disc, strongly crenulate; interstriae alutaceous, convex, subcarinate medially, densely, coarsely confusedly punctured and with two median longitudinal rows of short yellowish recumbent setae. Hind tibial superior spur as long as first tarsal segment; latter nearly as long as following three combined. Male: fore tibial spur stout and inwardly curved apically; aedeagus Fig. 2–3. Female: fore tibial spur slender, acuminate and almost straight.

**Type material.** MEXICO: Oaxaca: Llano de las Flores, 17°26'37.1"N-096°30'13.2"W, Carretera Tuxtepec, Oaxaca; m 2600, 01.XII.2003, leg. Martínez I. & M.T. Suarez (holotype, male, and allotype DCGI; 1 paratype, male FSCA); Las Cumbres, Carretera Zachila, San Miguel Peras, m 2500, 05.VIII.2000, leg. Martínez I. & Reyes-Castillo P. (1 paratype, male DCGI).

**Distribution.** Mexico (Oaxaca).

**Etymology.** Named in honor of one of its collectors, Maria Teresa Suarez, of Instituto de Ecologia, Xalapa, Veracruz, Mexico.

**Biology.** Almost unknown; the few specimens of the type series were collected in August and in December.

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**Literature Cited**


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Figure 1–5. Oxyomus mariateresae, new species (Llano de las Flores, Oaxaca, Mexico). 1) Epipharynx. 2–3) Aedeagus (dorsal and lateral view). 4–5) Habitus (length ideogram and morphological details).