



A new species of *Cephalocyclus* (Coleoptera: Scarabaeidae: Aphodiinae) from Mexico

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Abstract

Cephalocyclus moroni new species (Coleoptera: Scarabaeidae: Aphodiinae) from humid forest in the mountains of Manantlán, Jalisco, Mexico is described and illustrated. It is similar to *Cephalocyclus ordonezi* Dellacasa, Dellacasa, & Gordon, 2007 and *Cephalocyclus stebnickae* Deloya & Ibañez-Bernal, 2000, both from Mexico.

Key words: Aphodiini, Jalisco, Manantlán

Introduction

The genus *Cephalocyclus* Dellacasa, Gordon, & Dellacasa, 1998 (Coleoptera: Scarabaeidae: Aphodiinae: Aphodiini) contains 23 species from North and Central America (Dellacasa *et al.* 1998, 2007). In Mexico there are 20 species, 17 are endemic in the mountains (Dellacasa *et al.* 2000, 2007, 2011, 2013). While studying specimens from the entomological collection of the Instituto de Ecología, Xalapa, Mexico (IEXA), we found 13 specimens of this genus collected in one locality of the state of Jalisco, which represent a new species. The purpose of this paper is to describe this new species of *Cephalocyclus*, and to compare it the most similar species.

Material and methods

The terminology used in this work to describe the morphological features and the extraction of the epipharynx follows Dellacasa *et al.* (2001, 2010). The specimens are in the entomological collection of the Instituto de Ecología, A.C. (IEXA), M. A. Morón collection, Xalapa, Mexico (MXAL), and Dellacasa collection, Genoa, Italy (DCGI). Furthermore, we include a modification to taxonomic keys and a checklist (Table 1) of the genus (Dellacasa *et al.* 2007, 2011).

Cephalocyclus moroni Minor, Dellacasa, & Dellacasa, new species

(Figs. 1–4)

Type locality. Las Joyas, Sierra de Manantlán, Autlán, Jalisco, Mexico.

Holotype repository. Instituto de Ecología, A. C. collection (IEXA, Xalapa, Mexico).

Description. Holotype. Male: Length from clypeus to pygidium 7.5 mm; humeral width 3.0 mm. Oval, elongate, moderately convex, shiny. More or less dark brown; clypeal margin and sides of pronotum red; antennal club brown; legs dark brown with tarsi paler, shiny. Head with epistoma feebly convex on disc; finely, somewhat irregularly punctate; clypeus faintly sinuate at middle, round at sides, rather thinly bordered, edge glabrous. Genae angulate, sparsely ciliate,