



## Description of the larvae of *Corydalus batesii* MacLachlan and *C. ignotus* Contreras-Ramos (Megaloptera: Corydalidae) with notes on life history and behavior

CARLOS AUGUSTO SILVA DE AZEVÊDO<sup>1</sup> & NEUSA HAMADA<sup>2</sup>

<sup>1</sup>Centro de Estudos Superiores de Caxias - CESC/UEMA, Praça Duque de Caxias, s/n Morro do Alecrim, CEP 65604-380 Caxias, MA. Divisão de Curso em Entomologia, Instituto Nacional de Pesquisas da Amazônia Manaus, AM, Brazil.

E-mail: carlosaugusto@cesc.uema.br.

<sup>2</sup>Coordenação de Pesquisas em Entomologia, Instituto Nacional de Pesquisas da Amazônia, Caixa Postal 478, CEP 69011-970 Manaus, AM, Brazil. E-mail: nhamada@inpa.gov.br.

### Abstract

*Corydalus batesii* MacLachlan is widely distributed in the Amazon region, while *Corydalus ignotus* Contreras-Ramos was previously known only from its type locality in French Guiana. Both species are only known as adults. Here, we describe the larvae of both species and provide notes on observations and measurements of several aspects of the life history of each species and of the adult behavior of *C. batesii*. *Corydalus ignotus* records presented herein are the first for this species in Brazil.

**Key words:** Brazil, *Corydalus*, Megaloptera, life history, behavior

### Resumo

*Corydalus batesii* MacLachlan é amplamente distribuída na região Amazônica, enquanto que *Corydalus ignotus* Contreras-Ramos, era previamente conhecida somente de sua localidade tipo na Guiana Francesa. Apenas os adultos de ambas as espécies são conhecidos. No presente estudo, as larvas dessas duas espécies são descritas e notas sobre observações e medidas de diversos aspectos da biologia de cada espécie e sobre comportamento dos adultos de *C. batesii* são fornecidas. *Corydalus ignotus* é registrada pela primeira vez no Brasil.

**Palavras chave:** Brasil, *Corydalus*, Megaloptera, história de vida, comportamento

### Introduction

In the Neotropical region, the Megaloptera family Corydalidae includes 63 species in the following genera: *Corydalus* Latreille, *Chloronia* Banks and *Platyneuromus* Weele (Contreras-Ramos 1998, 1999a, 2000, 2002). In Brazil, only *Corydalus* and *Chloronia* have been reported, with 18 species. In the state of Amazonas four species of *Corydalus* have been reported: *C. affinis* Burmeister, *C. amazonas* Contreras-Ramos, *C. batesii* MacLachlan and *C. nubilus* Erichson (Contreras-Ramos 2006).

*Corydalus batesii* is widely distributed in northern South America, being known from Bolivia, Brazil (Amazonas, Pará and Rondônia states), Colombia, French Guiana, Peru, Surinam and Venezuela (Contreras-Ramos 1998). Due to its reddish-brown color pattern on the body and wings, it is a species that can be easily distinguished from the others in the region. *Corydalus batesi tesselatus* was described as a subspecies of *C.*