



***Cluzobra matilei* sp. n. from French Guyana, with notes on congeners (Diptera: Mycetophilidae)**

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Abstract

Five *Cluzobra* Edwards species were recorded from the Kaw Mountains in French Guyana. *Cluzobra matilei* sp. n. is described, with colour photographs and line drawings. The new species is compared with the closely related species *C. variegata* and *C. vicina*.

Key words: Diptera, Mycetophilidae, *Cluzobra*, new species, Neotropical region

Introduction

The Sciophilinae genus *Cluzobra* was erected by Edwards to distinguish four Neotropical species from Paraguay and Brazil (Edwards 1940). Today, thirty species are known – twenty-nine from the Neotropic and one from the Nearctic region (Matile 1996, Coher 1997). In addition, one undescribed species, with unclear identity up to now, has been noted by Vockeroth (1981) from Louisiana. The genus has been characterized morphologically, the proposed phylogeny has been analyzed and an exhaustive key to species provided by Matile (*op. cit.*). *Cluzobra* species are fragile small gnats (see figs 1–3) with macrotrichia on the wing membrane, Sc ending in C, Sc₂ absent and CuA unbranched. According to Matile (*op. cit.*), *Cluzobra* species are typical of sempervirent Neotropical forests but there is no information about larval habitats.

Eight species have been recorded from French Guyana previously: four of them—*C. fissiterna*, *C. odileae*, *C. variegata* and *C. vicina*—are, according to the present knowledge, endemic (Matile *op. cit.*). The other four, viz. *C. aitkeni*, *C. butleri*, *C. grandcolasi* and *C. spinulifera*, have a wider distribution. There is no published information on *Cluzobra* species from the Kaw Mountains. The current communication deals with five species from the area. *C. aitkeni*, *C. butleri*, *C. variegata* and *C. vicina* have previously been recorded from other regions of French Guyana, particularly from the Nouragues Nature Reserve (see Matile 1996), while *C. matilei* is described as new to science. This brings the number of known *Cluzobra* species in French Guyana up to nine.

Material and methods

Since 2002, material from several collectors from French Guyana has been accumulated by the author. The material was collected from the surroundings of the Amazone Nature Lodge (N=4°33' W=52°12', altitude 300 m) (see also Boisseau 2003) in the Kaw Mountains in the Kaw Nature Reserve (Régina commune), mainly by Malaise traps, and for a few specimens by light traps. The material collected was not of even quality: a part of