



Description of the female and new records of *Triatoma baratai* Carcavallo & Jurberg, 2000 (Hemiptera: Heteroptera: Reduviidae: Triatominae) from Mato Grosso do Sul, Brazil, with a key to the species of the *Triatoma matogrossensis* subcomplex

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Abstract

Triatoma baratai Carcavallo & Jurberg, 2000, a species similar to *Triatoma williami* Galvão, Souza & Lima, 1967 and belonging to the *T. matogrossensis* subcomplex, was described based on a male specimen collected in a sylvatic environment, near a cave, in Bonito county, Bodoquena mountain range, state of Mato Grosso do Sul, Brazil. In the present work we describe the female of *T. baratai*, captured in a chicken house, in Nioaque county, state of Mato Grosso do Sul, Brazil. Furthermore, we recorded the occurrence of *T. baratai* in domiciles and peridomestic environment in another four municipalities (Bodoquena, Bela Vista, Corumbá, and Miranda), extending its geographical distribution. Finally, we present a key to the species of the *Triatoma matogrossensis* subcomplex.

Key words: Geographical distribution, *T. matogrossensis* subcomplex, Triatominae

Introduction

Triatominae Jeannel, 1919 is a Reduviidae subfamily which currently comprises 143 recognized species, including the recently described *Mepraia parapatrica* Frias-Lasserre, 2010. The subfamily is classified into 18 genera (Galvão *et al.* 2003, Ceretti Junior *et al.* 2008, Rocha *et al.* 2009); however, Schofield and Galvão (2009) proposed a pragmatically classification, more convenient to the technicians of Chagas disease vector surveillance. In this proposal the genera *Nesotriatoma* Usinger, 1944, *Mepraia* Mazza, Gajardo & Jörg, 1940, *Meccus* Stål, 1859 as well as the Linschosteiini tribe, all revalidated in the last decade, are all reintegrated to the genus *Triatoma* Laporte, 1832 and Triatomini tribe, respectively. According to this proposal the species could be organized in groups, complexes and subcomplex of species according to phenotypic similarities, hybridization ability, behavioral and ecological aspects. Nevertheless, phylogenetic studies are still needed to corroborate or not, these groupings.