Spider wasps of the genus *Epipompilus* (Kohl, 1884) occur in the entire Neotropical region, in the United States (Florida), Australia and New Zealand. The taxonomy of this genus is problematic; there is no consensus about its distribution in time and space. This genus exhibits unusual and apparently primitive structural traits within the Pompilidae (Evans 1961; 1962). Evans examined over 100 specimens, recognized thirteen American species, described three new species from South America, and proposed two groups: *aztecus* (Cresson, 1869) and *delicatus* Turner, 1917. Among those species, seven were recognized based on specimens of both sexes, five based only on females, and one species was recognized based only on one male (Evans 1967). Fernández and Sharkey (2006) recognized 16 *Epipompilus* species in the Neotropics.

*Epipompilus aztecus* (Cresson, 1869) is characterized by the presence of whitish spots on the second and fifth metasomal tergites. Up to now, there are records of *E. aztecus* only for Central America; Mexico, Guatemala and Panama (Evans 1966; 1967; Fernández 2000). However, we collected three specimens in Serra da Bodoquena National Park (Figure 1), state of Mato Grosso do Sul, Brazil (20°46’56.2”S, 56°44’31.2”W), in the riparian forest of the Salobra River (Figure 2). One specimen of *E. aztecus* (Figure 3) was captured with Malaise trap, and two specimens were captured with Möerick trap (yellow pad). Voucher specimens were deposited in the Hymenoptera collection of Museu de Biodiversidade da Universidade Federal da Grande Dourados (Mubio-UFGD). This work was carried out under a collection permit from IBAMA (number 10674-11/09/2007).

Serra da Bodoquena National Park is a federal reserve located in the state of Mato Grosso do Sul, Brazil, in the transition of Cerrado and Pantanal biomes. The vegetation in the region comprises sub-montane deciduous seasonal forest, ecological ecotones between savannah and semi-deciduous seasonal forest, Cerrado, floodplain fields, riparian forests, rocky fields and pastures (Alvarenga et al. 1982; Pott and Pott 2003). The region has tectonic structures related to Paraguay fold belt, in the shape of isoclinal folds associated with thrust faults. The central portion is characterized by an elevated rock mass, with a maximum altitude of 770 m a.s.l., where expositions of calcite limestones from karstic formations are predominant (Boggiani et al. 1993). The climate is tropical wet and dry (type Aw, according to Köppen’s classification). Annual average temperature varies between 20 °C and 22 °C, maximum temperatures are between 35 °C and 40 °C, and minimum temperatures reach 0 °C. Average humidity is 40%, rarely reaching 80% in the summer. Annual rainfall varies from 1,300 mm to 1,700 mm. The warm and rainy season occurs between October and April, and the dry season occurs between May and September (Uetanabaro et al. 2007).

Prado and Gibbs (1993) pointed out that current
deciduous forest fragments are remnants of a previously broad distribution in the Americas during the dry Pleistocene. In the region of Bodoquena Mountain Range, there is one of the last large remnants of deciduous seasonal forest in Brazil (Pott and Pott 2003). Morrone (2006) believes that the biotic components represent a primary stage of biogeographic homologies, and the presence of some taxa indicates space-temporal relationships in the evolutionary history.

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**Figure 2.** Riparian Forest along the Salobra River, Serra da Bodoquena, state of Mato Grosso do Sul, Brazil.

**Figure 3.** *Epipompilus aztecus* (Cresson, 1869)

Our record expands the distribution of *E. aztecus* to South America, bringing new perspectives to the biogeography of spider wasps.