SHORT COMMUNICATION

Feeding and mating behavior of *Dorcacerus barbatus* (Olivier, 1790) (Coleoptera: Cerambycidae) on *Lantana camara* L. (Verbenaceae)

G. Wilson Fernandes & Jean C. Santos
Ecologia Evolutiva e Biodiversidade(DBG, ICB/Universidade Federal de Minas Gerais, CP 486, 30161-970 Belo Horizonte, Minas Gerais, Brazil.

Abstract
In this study we describe the mating behavior of *Dorcacerus barbatus* (Olivier, 1790) and its predation on the reproductive parts of *Lantana camara* L. (Verbenaceae) in a restored area of Atlantic forest, in southeastern Brazil. *Lantana camara* is regarded as one of the world’s ten worst weeds. We found three species of longhorn beetles on this plant: *Trachyderes succintus duponti* Aurivillius, 1912, *Andraegodius rufipes zonatus* (Dalman, 1823), and *D. barbatus*; this last species represented more than 95% of all individuals found. This is the first record of these three cerambycid species on *L. camara*. We observed a sequence of mating-behavior stages: jousting, antennation, holding, mounting, fighting, licking, abdomen bending, and copulation. *D. barbatus* destroyed 60% of the reproductive parts during the mating process. These primary observations indicate that *D. barbatus* may be considered as a potential biocontrol agent for this invasive species.

Keywords: Biological control, invasive species, insect behavior, herbivory, Atlantic Rain Forest.