

## Six new species of *Trichogramma* Westwood (Hymenoptera: Trichogrammatidae) from a Brazilian forest reserve

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### Abstract

An electrical suction trap set in a forest reserve in the State of São Paulo, Brazil, was used to collect *Trichogramma* species. Six new species were collected, namely *Trichogramma acuminatum* n. sp., *Trichogramma alloeovirilia* n. sp., *Trichogramma parrai* n. sp., *Trichogramma pusillum* n. sp., *Trichogramma tupiense* n. sp. and *Trichogramma zucchi* n. sp., which are being described herein.

**Key words:** Taxonomy, forest, egg parasitoid

### Introduction

*Trichogramma* are minute insect egg parasitoids of several insect orders. They are usually associated with Lepidoptera eggs, but they have also been recorded on eggs of Coleoptera, Diptera and Neuroptera (Pinto 1997). Species identification is based on morphological characters, especially those of the male genitalia. Nagarkatti & Nagaraja (1968, 1971) first demonstrated the usefulness of the male genitalia and antennae for reliable *Trichogramma* identification.

The taxonomic studies on *Trichogramma* in Brazil are recent and restricted to few works related to species associated with agricultural pests. To survey better the *Trichogramma* species in ecosystems other than agricultural ones, an electrical suction trap was set in a forest reserve for one year. This paper deals with descriptions of the new species collected in this trap.