

## Three new species of *Tenuipalpus* Donnadieu (Acari, Tenuipalpidae) from the State of São Paulo, Brazil

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### Abstract

Three new species of *Tenuipalpus*, *T. carlosflechtmani* n. sp., *T. moraesii* n. sp. and *T. ariauae* n. sp., collected on wild plants in Brazil, are described and illustrated.

**Key words:** Acari, Tenuipalpidae, *Tenuipalpus*, taxonomy, false spider mites

### Introduction

*Tenuipalpus* Donnadieu is a large and widely distributed genus of phytophagous mites, containing up to 200 described species that feed on various plant species (Meyer 1993). Only nine species have been previously reported from Brazil (Flechtmann 1976, 1994; Moraes & Freire 2001; Vasconcelos *et al.* 2005). During an investigation of the acarine fauna associated with wild plants in patches of native forest from the northwestern State of São Paulo, Brazil, three new species of *Tenuipalpus*, *T. carlosflechtmani* n. sp., *T. moraesii* n. sp. and *T. ariauae* n. sp., were discovered. Descriptions for these species are given below. Measurements for the holotype for each species are given in micrometers ( $\mu\text{m}$ ), with the range of measurements for the paratypes shown in parenthesis. The body length was measured from the apex of the rostrum to the posterior apex of the body, and the width was measured at the level of the sejugal furrow. Setal nomenclature is that of Grandjean (1939), as applied by Kethley (1990). Type specimens are deposited in the collection of Acari (DZSJRP—<http://www.splink.cria.org.br>), Departamento de Zoologia e Botânica, UNESP, São José do Rio Preto, State of São Paulo, Brazil.