

Two new species of *Tenuipalpus* (Acari: Tenuipalpidae) from southeastern Brazil

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Abstract

The flat mites *Tenuipalpus isabelae* sp. nov. and *Tenuipalpus flechtmanni* sp. nov. are described based on deutonymphs and adult females collected in Brazil on *Actinostemon* sp. (Euphorbiaceae) and *Campomanesia* sp. (Myrtaceae), respectively.

Key words: Acari, flat mites, taxonomy, *Actinostemon*, *Campomanesia*

Introduction

A total of nine species of *Tenuipalpus* Donnadieu are known to occur in Brazil, making it the largest tenuipalpid genus in the country. Table 1 shows the distribution of each of the species of *Tenuipalpus* already known from Brazil.

Two new species of this genus, collected from leaves of plants of the natural vegetation of southeastern Brazil are described in this work. Measurements of each structure are given in micrometers and correspond to the average measurements for the specimens observed, followed (in parentheses) by the corresponding minimum and maximum measurements.

Tenuipalpus isabelae n. sp.

(Figure 1 A–D)

Diagnosis: This species belongs to the *keiensis* subgroup of the *proteae* group, established