

New Brazilian eriophyid mites (Acari: Eriophyidae)

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Abstract

A survey to determine the mite fauna on plants of the natural vegetation of southeast Brazil led to the determination of: *Aceria coussapoe* Flechtmann & Moraes n. sp. from *Coussapoa microcarpa* (Cecropiaceae), *Shevtchenkella desmodivagus* Flechtmann n. sp. from *Desmodium barbatum* (Leguminosae) and *Cosella ceratopudenda* Flechtmann n. sp. from *Piptadenia gonoacantha* (Leguminosae). Those species are described in this paper.

Key words: phytophagous mites, *Aceria*, *Shevtchenkella*, *Cosella*

Introduction

Plants of the natural vegetation can serve as alternative substrates to mites that attack cultivated plants as well as to their natural enemies. Determining those alternative substrates may have important bearing on the proposition of management programs to foster biological control involving established natural enemies.

This paper refers to new eriophyid species collected while studying the mite fauna of plants of patches of the natural vegetation of southeast Brazil.

Measurements are given in micrometers, and unless otherwise specified refer to the length of each structure. For females, each measurement of the holotype precedes corresponding range for the paratypes. Some measurements of the holotype could not be taken because of the position it was mounted.