

A new species of *Panonychus* (Acari: Tetranychidae) from Peru

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Abstract

A new spider mite, *Panonychus inca* n. sp., collected on *Malus domestica* in Peru is described. This is the only known *Panonychus* species with the distal end of the aedeagus bent up and forward.

Key words: *Panonychus*, spider mite, taxonomy, *Malus domestica*, Peru

Introduction

Ehara & Gotoh (1992) provided a key to the 9 species they considered to belong to the genus *Panonychus* Yokoyama. Bolland et al. (1998) added 6 species to that group, including the only 2 species then considered by Ehara & Gotoh (1992) to belong to the genus *Sasanychus* Ehara & Gotoh, 1987. Two *Panonychus* species are widely distributed and occur on a wide range of plant species, namely *P. citri* (McGregor, 1916), reported from 56 countries on ca. 80 plant species, and *P. ulmi* (Koch, 1836), reported from 55 countries on ca. 130 plant species. In contrast, 11 species are each known from a single country on one or 2 plant species. The remaining 2 species have each been reported from few countries, where they were found on few plant species. Twelve of the *Panonychus* species have been reported from Southeast Asia. Only 3 species are known from South America: *P. caglei* Mellot, 1968 from Brazil, *P. citri* from Argentina, Brazil, Chile, Colombia, Peru and Venezuela, and *P. ulmi* from Argentina, Brazil, Chile, Uruguay and Venezuela. Only *P. ulmi* has been reported on *Malus domestica* or *Malus* sp. around the world.

The species described in this paper was found on *Malus domestica* cv. Delicious de Viscas in Peru. The setal nomenclature follows Lindquist (1985). All measurements are given in micrometers and correspond to the average followed (in parentheses) by minimum and maximum values.