Scientific Note

Spider mites, host plants and new records for Brazil (Acari: Tetranychidae)

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Edited by: Peterson R. Demite

Received: February 20, 2020. Accepted: March 06, 2020. Published: May 21, 2020.

Abstract. A list of new records of spider mites (Acari: Tetranychidae) for Brazil based on specimens deposited in the Acarological Collection of Departamento de Entomologia e Acarologia, ESALQ, Universidade de São Paulo (Piracicaba, São Paulo, Brazil) is presented. The specimens studied were sent for identification and/or collected by us from different states of the country. The list includes 15 species belonging to seven different genera: *Allonychus*, *Aponychus*, *Eutetranychus*, *Mononychellus*, *Schizotetranychus*, *Oligonychus* and *Tetranychus*.

Keywords: collection, diversity, taxonomy.

Spider mites (Acari: Tetranychidae) comprise over 1,300 described species in six tribes and 71 genera (Bolland et al. 1998; Migeon & Dokeld 2020). Of these, 128 species have been recorded from Brazil, belonging to 24 genera (Flechtmann & Moraes 2018). Some species in this family are considered pests in numerous agricultural crops, including in Brazil (Moraes & Flechtmann 2008). In the course of examining spider mites which were sent for identification and/or collected by us Brazil, and not published, the following species/host plant/distribution records are new. The specimens studied are deposited in the Acarological Collection of Departamento de Entomologia e Acarologia, ESALQ, Universidade de São Paulo (Piracicaba, São Paulo, Brazil). These new records will contribute for a better knowledge about the diversity and distribution of spider mites in Brazil.

***Allonychus braziliensis* (McGregor, 1950)**, from *Cedrela fissilis* Vell. (Meliaceae), in Piracicaba, São Paulo.

Remarks: The mites were present on the upper leaf surface, associated with bronzing and abundant loose webbing.

***Aponychus schultzi* (Blanchard, 1940)**, from papaya, *Carica papaya* L. (Caricaceae) in Veranópolis, Rio Grande do Sul, submitted by D. Lorenzato; from “quiri”, *Paulownia* sp. (Paulowniaceae), in Piracicaba, São Paulo, collected by R.P.L. Carvalho; from “maracujá”, *Passiflora* sp. (Passifloraceae), in Seropédica, Rio de Janeiro, collected by P.C.R. Cassino and E. Furtado; and from “abobrinha-do-mato, taiuia” *Cayaponia martiana* (Congn.) Congn. (Cucurbitaceae), in Londrina, Paraná, collected by S.M. Carvalho.

Remarks: This species was described from specimens collected in Argentina and recorded previously in several host plants in Brazil (Bolland et al. 1998; Migeon & Dokeld 2020).

***Eutetranychus banksi* McGregor, 1914**, from *Rosa* sp. (Rosaceae), Itatiaia, Rio de Janeiro.

Remarks: Numerous specimens on both leaf surfaces.

***Mononychellus planki* (McGregor, 1950)**, from “mulungu”, *Erythrina* sp. (Fabaceae), in Mossoró, Rio Grande do Norte, collected by F.A.M. Mariconi; from “malva branca”, *Waltheria* sp. (Malvaceae), in Brejões, Bahia, collected by I.A. Almeida and G.J. de Moraes; from “abobrinha-do-mato” *Cayaponia martiana* (Cucurbitaceae),

in Londrina, Paraná, collected by S.M. Carvalho; from “soja perene”, *Glycine javanica* L. (Fabaceae), in Seropédica, Rio de Janeiro; and from “bauínia”, *Bauhinia variegata* L. (Fabaceae), in Lavras, Minas Gerais, collected by M. Zacarias.

***Mononychellus tanajoa* (Bondar, 1938)**, from “mandioca”, *Manihot esculenta* Crantz (Euphorbiaceae), in Arapiraca, Alagoas, collected by A.R.N. Farias.

***Oligonychus punicae* (Hirst, 1926)**, from “lixeria”, *Inga* sp. (Mimosaceae), in Tapacurá, Pernambuco.

Remarks: The mites were present on both surfaces of leaves and causing intense bronzing on the upper leaf surface. This species was identified following Khanjani et al.'s (2018) redescription.

***Oligonychus yothersi* (McGregor, 1914)**, from “pitanga”, *Eugenia uniflora* L. (Myrtaceae), in Piracicaba, São Paulo.

Remarks: The mites were present on upper leaf surface.

***Schizotetranychus oryzae* Rossi de Simons, 1966**, from rice, *Oryza sativa* L. (Poaceae), in Camboriú, Santa Catarina, collected by L.A.B. Sales.

***Schizotetranychus saccharum* Flechtmann & Baker, 1975**, from sugarcane, *Saccharum officinarum* L. (Poaceae), in Cruz das Almas, Bahia, collected by A. Precetti.

***Tetranychus abacae* Baker & Pritchard, 1962**, from bananas, *Musa* sp. (Musaceae), in Tapacurá, Pernambuco.

***Tetranychus bastosi* Tuttle, Baker & Sales, 1977**, from “mandioca”, *Manihot esculenta* (Euphorbiaceae), in Bacabal, Maranhão, collected by E. Chagas.

***Tetranychus evansi* Baker & Pritchard, 1960**, from tomato, *Lycopersicon esculentum* Mill. (Solanaceae), in Itabaiana, Sergipe, collected by D.L. Queiroz.

***Tetranychus marianae* McGregor, 1950**, from “jurubeba”, *Solanum paniculatum* L. (Solanaceae) in São Benedito, Ceará, collected by R.

Cavalcanti; and from tobacco, *Nicotiana tabacum* L. (Solanaceae) in Santa Cruz do Sul, Santa Catarina, submitted by G. Calcagnolo.

***Tetranychus mexicanus* (McGregor, 1950)** from “erva-cidreira [capim limão]” *Cymbopogon schoenanthus* (L.) Spreng. (Poaceae), in Piracicaba, São Paulo.

***Tetranychus neocaledonicus* André, 1933**, from “trombeteira [figueira-do-inferno]” *Datura stramonium* L. (Solanaceae), in Piracicaba, São Paulo; and from “mandioca”, *Manihot esculenta* (Euphorbiaceae) in Linhares, Espírito Santo, collected by R.J. Arleu.

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