

Comunicação Científica

Thrips Species from Three Counties of the State of São Paulo

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Tripes Coletados em Três Municípios do Estado de São Paulo

RESUMO - Mais de 400 espécies de tripes foram registradas no Brasil, ou seja, aproximadamente 10% da fauna mundial. A maioria dessas espécies foi descrita por especialistas do Hemisfério Norte, principalmente por J.D. Hood. Nenhum exemplar dessas espécies foi depositado em instituições brasileiras e, portanto, não há coleção-referência de Thysanoptera no Brasil. A primeira coleção de tripes no Brasil está sendo organizada no Departamento de Entomologia, ESALQ/USP. É apresentada uma lista de 44 espécies, além de outras inominadas (total de 45 gêneros), coletadas principalmente no "Campus Luiz de Queiroz", Piracicaba, SP.

PALAVRAS-CHAVE: Insecta, Thysanoptera, taxonomia, coleção.

More than 400 species of thrips have been recorded from Brazil, that is almost 10% of the world fauna. Most of these species were described by workers from the Northern Hemisphere; J.D. Hood of Cornell University described over 300 Brazilian thrips species, and D. Moulton of California described 40 species (Fig. 1). Hood's collections are now at the Smithsonian Institute, Washington, D.C., and Moulton's are at the California Academy of Science. Specimens of the described species were not deposited in Brazil, and there is no reference collection of the group in this country that can be used to develop local expertise.

Thrips are of increasing importance to Brazilian agriculture, particularly with the recent establishment here (Monteiro 1994) of *Frankliniella occidentalis* (Pergande)

(Monteiro *et al.* unpublished) and *Thrips palmi* Karny (Monteiro *et al.* 1995). Distinguishing these pest species from the rich native thrips fauna is clearly of economic importance, as is the identification of the 20 or more thrips species that attack crops in this country. But it is also important to understand the biological diversity of Brazil.

For economic entomology it is important to distinguish the diversity on a crop from the diversity within a crop, since many species are associated with weeds rather than the crop itself. Similarly, the thrips collected at any site will include species living there, together with others that do not live there. To help with recognizing and understanding the significance of these accidental thrips species on a crop, it would be useful to determine the host relationship of at least some

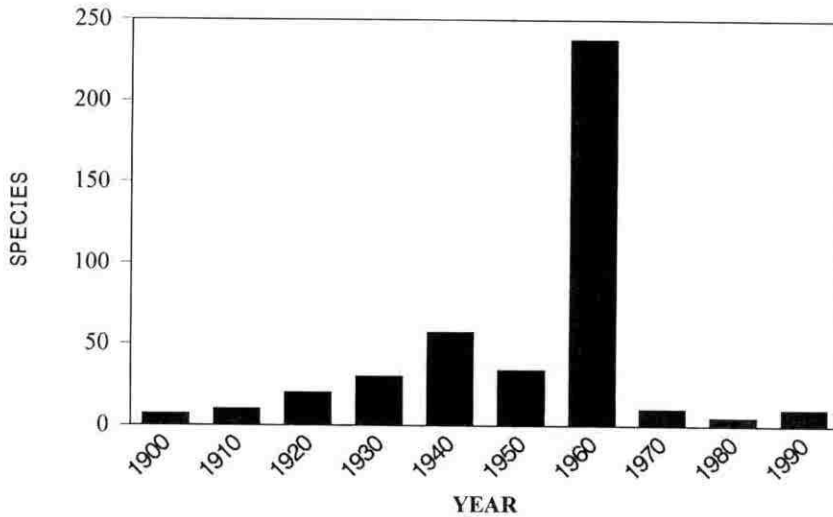


Figure 1. Rate of description of Brazilian thrips species.

species. For this, it will be necessary to know where the larvae live, but since most thrips species can only be identified in the adult stage, recognition of larvae and their host plants will require repetitive collecting.

The objective of this note is to provide a list of the thrips species collected mostly at the "Campus Luiz de Queiroz", Piracicaba, SP, together with a few collected in Rio Claro ("Horto Florestal Navarro de Andrade") and in São Pedro, SP. This is the first step towards a biodiversity study of Thysanoptera in this area of Brazil. A total of 44 named species, together with several unnamed species, representing a total of 45 genera were collected between 16 Jan. and 2 Feb., during a visit to ESALQ by Laurence A. Mound. These specimens are all deposited in the collection of "Departamento de Entomologia, ESALQ/USP", as follows:

Suborder Terebrantia

MEROTHRIPIDAE

Merothrips floridensis Watson

AEOLOTHRIPIDAE

Franklinothrips tenuicornis Hood
Franklinothrips vespiformis Crawford
Stomatothrips angustipennis Hood
Stomatothrips rotundus Hood

THRIPIDAE - PANCHAETOTHRIPINAE

Caliothrips insularis Hood
Caliothrips phaseoli Hood
Dinurothrips hookeri Hood
Heliiothrips haemorrhoidalis Bouche
Retithrips syriacus Mayet
Selenothrips rubrocinctus Giard

THRIPIDAE - THRIPINAE

Arorathrips mexicanus Crawford
Aurantothrips orchidearum Bondar
Bregmatothrips venustus Hood
Chaetisothrips n. sp.
Charassothrips incomparabilis Johansen
Chirothrips sericatus Hood
Frankliniella annulipes Hood
Frankliniella schultzei Trybom
Frankliniella ?simplex Priesner

Frankliniella trinidadensis Hood
Microcephalothrips abdominalis Crawford
Neohydatothrips sp.
Plesiothrips sp.
Scirtothrips panamensis Hood
Scirtothrips manihoti Bondar
Stenchaetothrips minutus Deventer
Thrips simplex Morison

Suborder Tubulifera

PHLAEOTHIRIPIDAE - IDOLOTHRIPINAE

Elaphrothrips spp.
Neosmerinthothrips? sp.
Phacothrips? sp.

PHLAEOTHIRIPIDAE - PHLAEOTHIRIPINAE

Adraneothrips alternatus Hood
Adraneothrips ? brasiliensis Hood
Aleurodothrips fasciapennis Franklin
Carathrips sp.
Cartomothrips ? browni Stannard
Eupathithrips silvestrii Buffa
Gynaikothrips ficorum Marchal
Haplothrips gowdeyi Franklin
Holothrips sp.
Hoplothrips ? dentiger Hood
Hoplothrips sp.
Karnyothrips flavipes Jones
Karnyothrips melaleucus Bagnall
Karnyothrips venustus Moulton
Leptothrips sp.
Liothrips sp.
Liothrips vernoniae Moulton
Macrophthalmothrips hemipteroides Priesner

Malacothrips fasciatus Hood
Neurothrips n. sp.
Podothrips bambusae Hood
Pristothrips aaptus Hood
Sedulothrips tristis Hood
Sedulothrips vigilans Hood
Terthrothrips sp.
Trachythrips epimeralis Hood
Tylothrips sp.

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