

Thysanoptera: An Identification Guide, 2nd Edition

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A number of species of Thysanoptera (thrips) are increasingly important crop pests in many parts of the world, as well as in some cases being vectors of plant disease. Communicating the known information about a species of organism is dependent on our ability to recognise or identify it accurately. This book is a completely revised and rewritten edition of the standard, widely used manual on these minute flying insects written by J.M. Palmer, L.A. Mound and G.J. du Heaume and published in 1989 as *CIE Guides to Insects of Importance to Man 2. Thysanoptera*, which provides a practical identification guide on a worldwide scale. The previous version posed problems for students in terms of fluency in English & knowledge of dichotomous keys. However, this thoroughly updated edition incorporates a new set of pictorial keys, which have been developed and used very successfully for training courses at the International Institute of Entomology and which will greatly enhance the ability of the non-specialist to identify thrips to species.

Individuals of these insects can usually be identified only by examination under a microscope, often at high power. Within each species, individuals can vary in size, colour and shape and their appearance can be altered by techniques used in preparation. This booklet describes techniques used in the preparation of thrip specimens onto slides for identification and the means of identifying slide-mounted specimens most commonly encountered. It also introduces students to the biological diversity that is found amongst the Thysanoptera, their economic importance in terms of both damaging and beneficial effects, new identification techniques, additional information and taxa, glossary of technical terms, notes on each genus (described alphabetically within their families and subfamilies). Supplementary keys to species are also given within four genera that include several pest species (*Caliothrips*, *Frankliniella*, *Scirtothrips* and *Thrips*) along with new distribution records which have occurred since the publication of the first edition. It is an essential tool for applied entomologists and crop protection specialists involved in the control of crop pest thrips, and thrip taxonomists.

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