

ZOOTAXA

1492

An annotated check list of the world's whiteflies (Insecta: Hemiptera: Aleyrodidae)

JON H. MARTIN & LAURENCE A. MOUND



Magnolia Press
Auckland, New Zealand

An annotated check list of the world's whiteflies (Insecta: Hemiptera: Aleyrodidae)

JON H. MARTIN & LAURENCE A. MOUND

(*Zootaxa* 1492)

84 pp.; 30 cm.

31 May 2007

ISBN 978-1-86977-111-9 (paperback)

ISBN 978-1-86977-112-6 (Online edition)

FIRST PUBLISHED IN 2007 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2007 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

Title page photo: adult females of *Octaleurodicus nitidus* Hempel (Aleyrodicinae), on *Cocos nucifera*, Ecuador, J.H.Martin



An annotated check list of the world's whiteflies (Insecta: Hemiptera: Aleyrodidae)

JON H. MARTIN¹ & LAURENCE A. MOUND²

¹ Department of Entomology, Natural History Museum, Cromwell Road, London SW7 5BD, UK. E-mail: j.martin@nhm.ac.uk

² CSIRO Entomology, GPO Box 1700, Canberra, ACT 2601. E-mail: Laurence.mound@csiro.au

Table of contents

Abstract	3
Introduction	4
Materials and methods	5
The check list	6
Subfamily ALEYRODINAE Westwood	6
Subfamily ALEURODICINAE Quaintance & Baker	49
Subfamily UDAMOSELINAE Enderlein	54
Nomina dubia	54
Nomina nuda	55
Extant genera and species now excluded from the Aleyrodidae	55
Summary of nomenclatural changes established here	56
New genus-group synonymies	56
New species-group synonymies	56
New combinations	56
Revived original combination	57
Junior homonyms, with replacement names where necessary	57
Acknowledgements	57
References	57
Index to scientific names	73

Abstract

An updated check list of the world's extant whitefly species is presented, comprising 1556 accepted species names in 161 genera, together with a further 210 species-group names and 40 genus-group names in synonymy. 13 *nomina nuda*, seven *nomina dubia* and six species now formally excluded from the Aleyrodidae are listed. Nomenclatural changes introduced here are 10 new generic and 10 new specific synonymies, together with 23 new combinations, seven new replacement names for junior homonyms and one revived original combination. Three subfamilial names are available in the Aleyrodidae, most species being placed in the Aleyrodinae or Aleurodicinae. The controversial third subfamily, Udamoselinae, is briefly discussed. For species currently regarded as valid, only the original and current combinations are given, with authorities. Original countries of description are given, here updated to reflect current geopolitical boundaries, but distributions and biological data are not given. An index to all names is provided.

Key words: whiteflies, world check list, nomenclatural changes, type localities, synonymies