

Volume 82(4) 437–561

December 1992

ISSN 0007–4853

BULLETIN
———— of ————
ENTOMOLOGICAL
RESEARCH



Bulletin of Entomological Research

The *Bulletin of Entomological Research* is a quarterly journal published by CAB International and edited by the International Institute of Entomology (an Institute of CAB International).

Editors

Dr M.R. Wilson
Ms A.K. Walker

International Institute of Entomology, 56 Queen's Gate, London, SW7 5JR, UK. (Tel: 071 584 0067.
Fax: 071 938 9309. Telex: 9312102251 IE G)

Editorial Board

R. Blackman, The Natural History Museum, London, UK.
A.G. Cook, Natural Resources Institute, Chatham, UK.
H.C.J. Godfray, Imperial College at Silwood Park, Ascot, UK.
C.P. Haines, Natural Resources Institute, Chatham, UK.
J.D. Holloway, International Institute of Entomology, London, UK.
N.J. Mills, University of California, Albany, USA.
A.R. McCaffrey, University of Reading, Reading, UK.
S.E. Reynolds, University of Bath, Bath, UK.
H. Townson, Liverpool School of Tropical Medicine, Liverpool, UK.
A. Polaszek, International Institute of Entomology, London, UK.

Advisory Board

T.N. Ananthkrishnan, Entomology Research Institute, Loyola College, Madras, India.
R. Gámez, Instituto Nacional de Biodiversidad, Costa Rica.
K.M. Harris, International Institute of Entomology, London, UK.
R.P. Lane, London School of Hygiene and Tropical Medicine, London, UK.
J.F. Longworth, Department of Scientific and Industrial Research, Auckland, New Zealand.
L.A. Mound, The Natural History Museum, London, UK.
O. Mochida, National Agriculture Research Centre, Japan.
B. Napompeth, National Biological Control Research Center, Bangkok, Thailand.
T.R. Odhiambo, International Centre of Insect Physiology and Ecology, Nairobi, Kenya.
I.D. Oka, Bogor Research Institute for Food Crops, Bogor, Indonesia.
G.H.L. Rothschild, Australian Center for International Agricultural Research, Canberra, Australia.

Orders and enquiries concerning subscriptions and back numbers should be sent to:

Marketing and Sales Division,
C·A·B INTERNATIONAL,
Wallingford, Oxon, OX10 8DE, UK.
Telephone: Wallingford (0491) 32111
Telex: 847964 (COMAGG G)
Fax: (0491) 33508
Telecom Gold/International Dialcom: 84: CAU001

Disclaimer

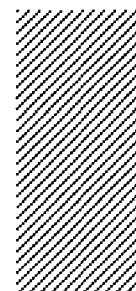
The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

C·A·B International does not accept responsibility for any trade advertisement included in this publication.

CABPESTCD



INFORMATION



CAB International, producer of the CAB ABSTRACTS database and related series of abstract journals, is pleased to announce a new database in the CAB SPECTRUM series of specialty CD-ROMs.

CABPESTCD, provides comprehensive coverage of the world's crop protection and pest management literature. **Nearly 20 years of bibliographic records, almost all with informative abstracts, is contained on a single CD-ROM.** CABPESTCD is available now, and will be updated annually.

CABPESTCD is produced in cooperation with the UK Overseas Development Administration, and in particular its Natural Resources Institute.

Subjects covered include:

- entomology
- plant pathology
- nematology
- weed science
- vertebrate pests
- agricultural crops
- horticultural crops
- plantation crops
- forest trees
- stored products

Minimum hardware requirements to use the CABPESTCD are an IBM PC (or 100% compatible) with 640K RAM, DOS version 3.1 or higher, Microsoft Extensions version 2.0 or higher and a CD-ROM drive. CABPESTCD can also be used with Macintosh hardware.

CABPESTCD comes with very user-friendly SilverPlatter software which features saving of search strategies; sorting of records; facilities to display, print or download search results. Quick reference guides and a comprehensive users manual are also provided. Virtually every word is searchable, so that authors, keywords, authors addresses and other vital information can be searched for.

The price (including software, full documentation and shipping) is £3640/US\$6000 for the archival disc (1973-1991) and £1300/US\$2145 for the 1992 update. Discounts are given to organizations in CABI member countries.

CABPESTCD is available for you to try FREE in your own library or office. Please contact the Marketing Executive at the Wallingford address for further details of our 30 day free trial offer.

Headquarters, Wallingford, Oxon OX10 8DE, UK Tel (0491) 32111 Telex 847964 (COMAGG G) Fax (0491) 33508
North America, 845 North Park Avenue, Tucson, Arizona 85719, USA Tel 800/528-4841 602/621-7897 Fax 602/621-3816
Asia, PO Box 11872, 50760 Kuala Lumpur, Malaysia Tel (03) 255 2922 Telex 28031 (MA CABI) Fax (03) 255 1888
Caribbean and Latin American, Gordon Street, Curepe, Trinidad & Tobago Tel 809 662 4173 Telex 24438 (CARIRD) Fax 809 663 2859



International Institute of Entomology
The Natural History Museum



Thirteenth International Course on Applied Taxonomy of Insects and Mites of Agricultural Importance

July 5 – August 20, 1993

Training in the collection, curation and identification of insects and mites of importance in agriculture, forestry and storage.

Syllabus

- * Importance of accurate identification
- * Collecting methods
- * General curatorial methods, including preparation and labelling
- * Preparation and packing for safe transit by post
- * Taxonomic principles
- * Zoological nomenclature
- * External morphology of insects and mites with special reference to taxonomic characters
- * Identification of selected families, genera and species of importance in agriculture, forestry and storage
- * Seminars and special lectures on related topics
- * Information retrieval
- * Visits to research establishments

This is an intensive course reviewing all the major groups of insects. The aim of the course is to equip participants with the knowledge and skills to provide "on-the-spot" identification of the more familiar species associated with important crops.

It is intended for entomologists working in the tropics in the fields of agriculture, forestry or environmental protection. Applicants should have some previous experience of insect identification and should ideally be involved in identifying insects in their daily work or providing an identification service to others. They are likely to be working in government ministries, national or government institutes, national or international research institutes, universities and museums or reference collections.

Fees: A course fee of £2,100 is payable in advance by successful applicants. This fee **does not** include the cost of travel to and from London or accommodation.

Further information and application forms are available from Dr M. Cox, International Institute of Entomology, 56 Queen's Gate, London SW7 5JR (Fax: 44 71 581 1676).

Completed forms should be returned to arrive **not later** than 1 March 1993.