

**Short Communication**

A New Invasive Fruit Fly Species from the *Bactrocera dorsalis* (Hendel) Group Detected in East Africa  
*S. A. Lux, R. S. Copeland, I. M. White, A. Manrakhan and M. Billah* 355

*Information for Authors* *i*  
*Author Checklist* *iii*  
*Acknowledgement of Reviewers* *v*

# INSECT SCIENCE AND ITS APPLICATION

The International Journal of Tropical Insect Science

Volume 23 Number 4

2003

## CONTENTS

### Review Article

- Immune Response of Insects to Abiotic Agents: A Review of Current Prospectives 273  
*El-Sayed H. Shaurub*

### Research Articles

- Fluoride Loading and Distribution in Insect–Mulberry Systems in Polluted Sites in China 281  
*Chen Yuyin and S. Kumar*
- Mites from Mexican Oaks Canopies 287  
*J. G. Palacios-Vargas, R. Iglesias and G. Castaño-Meneses*
- A New Rating Scale for *Sesamia inferens* (Walker) (Lepidoptera: Noctuidae) Damage to Maize 293  
*M. Lavakumar Reddy, T. Ramesh Babu and S. Venkatesh*
- Impact of a Habitat Management System on Diversity and Abundance of Maize Stemborer Predators in Western Kenya 301  
*C. A. O. Midega and Z. R. Khan*
- Mitochondrial DNA Clocks and the Phylogeny of *Danaus* Butterflies 309  
*G. Lushai, D. A. S. Smith, D. Goulson, J. A. Allen and N. Maclean*
- Field Responses of Tsetse Flies (Glossinidae) and Other Diptera to Oils in Formulations of Deltamethrin 317  
*P. O. Mireji, A. M. Mabveni, B. N. Dube, J. G. Ogembo, C. M. Matoka and T. N. C. Mangwiro*
- Eggshell Fine Structure of *Amata passalis* F. (Lepidoptera: Amatidae), A Pest of Mulberry 325  
*V. Kumar, S. Rajadurai, A. M. Babu and B. K. Kariappa*
- Morphometrics of Larvae of *Aedes (Stegomyia) simpsoni* Complex (Diptera: Culicidae) in Uganda 331  
*A. Miyingo-Kezimbira and J. J. Lutwama*
- Traditional Values of Caterpillars (Insecta: Lepidoptera) Among the Bisa People of Zambia 341  
*K. J. Mbata and E. N. Chidumayo*

[Continued on inside back cover



International Centre of Insect  
Physiology and Ecology



African Association of Insect Scientists



Published and printed by ICiPE Science Press  
P.O. Box 72913-00200 Nairobi, Kenya; Tel: +254 (20) 861680/802501;  
Fax: +254 (20) 860110/803360; E-mail: isa@icipe.org  
ISSN 0191-9040  
ISIADL 23(4) 273–362 (2003)

Indexed/Abstracted in  
CAB Abstracts, BIOSIS, Zoological Record,  
Chemical Abstracts, The African Book  
Publishing Record, TROPAG & RURAL  
Abstracts and IBIDS database

Available on-line at <http://www.bioline.org.br/ti>