

---

*Contents—continued from outside back cover*

J. H. NDERITU and J. M. MUEKE	229	Susceptibility of eight potato cultivars to <i>Myzus persicae</i> Sulzer in the greenhouse
C. J. DEN OTTER and M. M. VAN DER HAAGEN	235	Sex pheromone attractants and inhibitors in the cabbage armyworm, <i>Mamestra brassicae</i> L. (Lep.:Noctuidae): Electrophysiological discrimination
G. W. OLOO	243	The role of local natural enemies in population dynamics of <i>Chilo partellus</i> (Swinh.) (Pyralidae) under subsistence farming systems in Kenya
Book Review	253	
<i>Instructions to Authors</i>	i	
<i>Author Checklist</i>	iv	

# Insect Science and Its Application

The International Journal of Tropical Insect Science

VOLUME 10 NUMBER 2

1989

## CONTENTS

- H. J. BARCLAY and P. VAN DEN DRIESSCHE 107 Pest control models of combinations of sterile releases and trapping
- PEETER PÄTS  
K. M. LEMA 117 A marking technique for *Chilo partellus* (Swinhoe) (Lepidoptera; Pyralidae) by adding dye to the larval diet
- T. KASU, J. A. ODEBIYI and 123 Effects of cassava pubescence on the behaviour, post-embryonic development and reproduction of the cassava mealybug, *Phenacoccus manihoti* Matile-Ferrero (Homoptera:Pseudococcidae)
- ASSEFA GEBRE-AMLAK 131 Phenology and fecundity of maize stalk borer, *Busseola fusca* (Fuller) in Awassa, Southern Ethiopia
- M. A. A. EID, A. N. EL-NAKKADI  
and M. A. SALEH 139 Functional adaptation of silk glands after administration of antibiotic to larvae of *Philosamia ricini* (Boisd)
- S. R. TRIPATHI and RAJESH SINGH 145 Effect of different pulses on development, growth and reproduction of *Heliothis armigera* (Hubner) (Lepidoptera:Noctuidae)
- R. K. THAPPA, K. TIKKU, BHASKAR  
P. SAXENA, R. M. VAID and  
K. K. BHUTANI 149 Conessine as a larval growth inhibitor, sterilant, and antifeedant from *Holarrhena antidysenterica* Wall
- M. MANI 157 A review of the pink mealybug—*Maconellicoccus hirsutus* (Green)
- G. VEERANNA and S. BASALINGAPPA 169 Nesting pattern of the termites *Odontotermes obesus* Rambur and *Odontotermes wallonensis* Wasmann (Isoptera:Termitidae)
- TAWFIQ M. MUSTAFA 181 Seasonal changes in fat and water content in field populations of olive psylla *Euphyllura olivina* Costa (Homoptera Psyllidae)
- P. ATACHI et B. C. AHOHUENDO 187 Comparaison de quelques parametres caracteristiques de la dynamique des populations entre *Megalurothrips sjostedti* (Trybom) et *Maruca testulalis* (Geyer) sur une meme plante-hote, le niebe
- G. J. STECK, G. L. TEETES,  
and S. D. MAIGA 199 Species composition and injury to sorghum by panicle feeding bugs in Niger
- M. B. KALODE and J. S. BENTUR 219 Characterization of Indian biotypes of the rice gall midge, *Orseolia oryzae* (Wood-Mason) (Diptera:Cecidomyiidae)
- M. O. ODINDO, W. A. OTIENO,  
G. W. OLOO, J. KILORI and  
R. C. ODHIAMBO 225 Prevalence of microorganisms in field-sampled borers on sorghum, maize, and cowpea in Western Kenya

Indexed/Abstracted in  
Current Contents, CABS, C. A. B. International, BIOSIS, The African  
Book Publishing Record, Allen Press Subscription Catalogue

ISSN 0191-9040  
ISIADL 10(2) 107-254 (1989)

Printed in Great Britain by BPCC Wheatons Ltd, Exeter