

Contents continued from outside back cover

Development of a larval diet for the South American fruit fly <i>Anastrepha fraterculus</i> (Diptera: Tephritidae) <i>M.T. Vera, A. Oviedo, S. Abraham, M.J. Ruiz, M. Mendoza, C.L. Chang and E. Willink</i>	S73
Morphometric trait differentiation between a wild and a mass-reared population of <i>Anastrepha fraterculus</i> (Diptera: Tephritidae) <i>P.V. Gómez Cendra, D.F. Segura, A.C. Alberti and J.C. Vilardi</i>	S82
A liquid larval diet for rearing <i>Bactrocera invadens</i> and <i>Ceratitis fasciventris</i> (Diptera: Tephritidae) <i>S. Ekesi, S.A. Mohamed and C.L. Chang</i>	S90
Artificial rearing of the peach fruit fly <i>Bactrocera zonata</i> (Diptera: Tephritidae) <i>P. Sookar, M. Alleck, N. Ahseek, S. Permalloo, S. Bhagwant and C.L. Chang</i>	S99
Rearing of <i>Bactrocera zonata</i> (Diptera: Tephritidae) for parasitoids production and managing techniques for fruit flies in mango orchards <i>S.M.M. Shah, N. Ahmad, M. Sarwar and M. Tofique</i>	S108
Improving olive fruit fly <i>Bactrocera oleae</i> (Diptera: Tephritidae) adult and larval artificial diets, microflora associated with the fly and evaluation of a transgenic olive fruit fly strain <i>P. Rempoulakis, I. Dimou, A. Chrysargyris and A.P. Economopoulos</i>	S114
Effect of the symbiont <i>Candidatus Erwinia dacicola</i> on mating success of the olive fly <i>Bactrocera oleae</i> (Diptera: Tephritidae) <i>A.M. Estes, D.F. Segura, A. Jessup, V. Wornoayporn and E.A. Pierson</i>	S123
Demographic and quality control parameters of laboratory and wild <i>Anastrepha striata</i> (Diptera: Tephritidae) <i>E. Hernández, J.P. Rivera, M. Aceituno-Medina, D. Orozco-Dávila and J. Toledo</i>	S132
Protein requirements of the adult Ethiopian fruit fly <i>Dacus ciliatus</i> <i>E. Nemny-Lavy and D. Nestel</i>	S140
Basic biology and artificial rearing of <i>Bactrocera pyrifoliae</i> (Diptera: Tephritidae), a pest of peaches and plums in northern Vietnam <i>L.D. Khanh, N.T.T. Hien, V.T. Trang, T.T. Toan and J. Rull</i>	S148

INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE

Volume 34 Number S1 November 2014

Introduction

Development and improvement of rearing techniques for fruit flies (Diptera: Tephritidae) of economic importance

C. Cáceres, J. Hendrichs and M.J.B. Vreysen

S1

Research Papers

Generic larval diet for mass-rearing three species of *Anastrepha* (Diptera: Tephritidae)

E. Hernández, J.P. Rivera and T. Artiaga-López

S13

Anastrepha obliqua (Diptera: Tephritidae) mass-rearing: effect of relaxed colony management

D. Orozco-Dávila, T. Artiaga-López, M. Del Refugio Hernández, J. Domínguez and E. Hernández

S19

Improved mating performance of male *Anastrepha ludens* (Diptera: Tephritidae) irradiated at low doses for release in sterile insect technique programmes

J. Rull, J. Arredondo and F. Diaz-Fleischer

S28

An evaluation of outcrossing to improve mass-reared strains of the Queensland fruit fly *Bactrocera tryoni*

A.S. Gilchrist and A.W. Meats

S35

Improvements in mass-rearing of the Philippines fruit fly *Bactrocera philippinensis* (Diptera: Tephritidae)

S.S. Resilva and G.B. Obra

S45

Suitability of a liquid larval diet for rearing the Philippines fruit fly *Bactrocera philippinensis* (Diptera: Tephritidae)

S.S. Resilva, G.B. Obra and C.L. Chang

S53

Age- and temperature-related pupal eye colour changes in various tephritid fruit fly species with a view to optimizing irradiation timing

S.S. Resilva and R. Pereira

S59

Developing a mass-rearing system for *Anastrepha fraterculus* (Diptera: Tephritidae) in north-eastern Brazil

R. Braga Sobrinho

S66

Contents continued on the inside back cover.

The United Nations Educational, Scientific and Cultural Organization (UNESCO) has made available a grant for gratis subscriptions of this issue to 7 African university libraries: University of Nairobi (Kenya), Makerere University (Uganda), University of Ibadan (Nigeria), University of Malawi (Malawi), National University of Rwanda (Rwanda), Sokoine University of Agriculture (Tanzania) and University of Namibia (Namibia).



icipe

African Insect Science for Food and Health

Cambridge Journals Online

For further information about this journal please go to the journal web site at:

journals.cambridge.org/jti



MIX
Paper from
responsible sources
FSC® C013436

CAMBRIDGE
UNIVERSITY PRESS