

An international journal covering the management of weeds, pests and diseases through chemistry, biology and biotechnology

# OUTLOOKS ON PEST MANAGEMENT

## CONTENTS – February 2005

- 2 **Editorial** – *It has been an interesting year* – Len Copping
- 3 **Regulatory news** – *new registrations, environmental effects and withdrawals*
- 7 **Use of ‘Temporal Synergism’ to overcome insecticide resistance** – *Graham Moores, Georgina Bingham and Robin Gunning consider the opportunities of targeting resistance mechanisms to control resistant pests*
- 10 **Plant-parasitic nematodes on golf course turf** – *William T. Crow describes the problems associated with different genera of nematodes on golf courses and offers solutions to the damage that they cause*
- 16 **The Oil Palm Mystery: 25 years on** – *Dave Moore describes reasons for low oil yields from oil palm in South East Asia and the search for solutions to the mystery*
- 19 **Tsetse midgut immunity – DiGE-ESTing for clues into African sleeping sickness** – *Joanne V. Hamilton and Michael J. Lehane describe the application of proteomic and post-genomic technologies to unravelling tsetse-trypanosome interactions*
- 23 **The Golden Apple Snail: raiders of the rice fields** – *Dr. Ravindra C. Joshi reviews the origins of the Golden Apple Snail, the problems it is causing and offers solutions to these problems*
- 27 **Modern developments in slug control** – *Robbie Rae, Jamie Robertson and Mike Wilson outline the problems that slugs cause in many temperate crops and introduce new treatment strategies for their control*
- 31 **West Nile fever – a decade of change** – *Clive J Boase outlines the extent of the problem and strategies to reduce its impact*
- 35 **A minute wasp to tackle a big job – control of silverleaf whitefly** – *Louise Lawrence explains how this insect became a pest in Australia and the way it is being kept under control by an aphelinid wasp*
- 37 **Fusarium ear blight: opportunities for biological control** – *Geoffrey L. Bateman considers the prospects for controlling mycotoxigenic species of Fusarium in cereals by the application of competitive fungi (“friendly fusaria”)*
- 40 **Biotechnology news** – *developments in molecular biology and genomics*
- 42 **Another Locust Upsurge!** – *Graham Matthews describes the FAO coordinated project to control locust swarms in Africa*
- 43 **Company news** – *reports on mergers, acquisitions, collaborations and sales*
- 45 **R&D news** – *reports on new products, new applications and new uses*
- 47 **230th American Chemical Society (ACS) Division of Agrochemistry National Meeting, Washington, DC, August 28–September 1, 2005 Call for Papers**
- 48 **Calendar of events**

COVER PHOTOS: ‘Sunflowers in Fargo, North Dakota’ (Photo by Bruce Fritz) and ‘Colorado Beetle’ (Photo by Scott Bauer), both reproduced courtesy of USDA-ARS. ‘Fusarium infected wheat’ and ‘Annual weeds in winter cereal’. Photos reproduced with permission of Rothamsted Research