

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

OUTLOOKS ON PEST MANAGEMENT

CONTENTS – December 2019

- 240 **Editorial: Could Regulation Limit the Potential Benefits from New Breeding Techniques to Secure Future Yields and Protection of Crops?** – Ken Pallett, *Editorial Board Member*
- 242 **Emergence of New Potential Insect Pests of Date Palm: Could Climate Change be the Reason?** – Hamadttu A. F. El-Shafie – *Climate change and anthropogenic activities have caused the date palm pest complex to change. This article provides the first report of sorghum chafer as a pest damaging date palm fruit*
- 246 **Regulatory News** – *new registrations, environmental effects and withdrawals*
- 250 **Invasive Aphid Strikes Sorghum in the U.S.** – Adrianna Szczepaniec – *Explosive outbreaks of an invasive aphid in sorghum in the U.S. are reshaping the pest management approaches and altering arthropod communities in sorghum and surrounding crops*
- 254 **Regulatory Control and Management of Public Health Pesticides in South Africa** – Wells Utembe – *There is need to strengthen the capacity of responsible agencies as well as to conduct a revision of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act in order to address critical gaps with regards to the registration, monitoring and surveillance of Public Health Pesticides (PHPs)*
- 258 **Biotechnology News** – *developments in molecular biology and genomics*
- 261 **Sugarcane Weevil Borer (*Rhabdoscelus obscurus*) in Fiji Islands and Recommendations Towards Its Control** – Danian Singh, Lionel Joseph, Zafiar Naaz & Kelera Railoa – *Current methods have not been completely effective in eradicating the sugarcane weevil borer. This paper highlights and puts forth recommendations on other methods which could be used by the sugarcane industry*
- 267 **Research and Development of Biopesticides: Challenges and Prospects** – Dennis Ndolo, Elizabeth Njuguna, Charles Oluwaseun Adetunji, Chiomba Harbor, Arielle Rowe, Alana Den Breeyen, Jeyabalan Sangeetha, Gurpreet Singh, Boguslaw Szewczyk, Toba S. Anjorin, Devarajan Thangadurai & Ravichandra Hospet – *This paper considers prospects and challenges to the use of biopesticides as part of Integrated Pest Management strategies*
- 277 **R&D News** – *reports on new products, new applications and new uses*
- 282 **Book Review**
- 284 **Company News**
- 289 **Obituary**
- 290 **Calendar**

COVER PHOTOS: Cotton bollworm (*Helicoverpa zea*) (Photo by Scott Bauer) and *Aedes (Ochlerotatus) sp.* mosquito on human skin both reproduced courtesy of USDA-ARS; Cocoa showing both frosty pod rot (*Moniliophthora roreri*) and witches' broom (*M. perniciosa*) on the same branch (Ecuador) (Photo by Roy Batemen); Unsprayed strip in sugarbeet showing poppies (*Papaver spp.*) (Photo by Alan Dewar)