

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

# OUTLOOKS ON PEST MANAGEMENT

## CONTENTS – February 2012

- 2 **Editorial** – *Will a Year of Sustainability have a Greater Impact than the Year of Chemistry?* – Leonard Copping
- 4 **Regulatory News** – *new registrations, environmental effects and withdrawals*
- 7 **Bystander and Resident Exposures to Pesticides Used in Agriculture: Recent Work to Update the Model Used to Assess Exposure of the Public in the UK** – Clare Butler-Ellis
- 13 **Plant Clinics in India** – *Hilda Dooley & Malvika Chaudhary*
- 17 **Biotechnology News** – *developments in molecular biology and genomics*
- 20 **Weed Control in Cereals and Oilseed Rape in the UK: What we have Learnt, are Learning and have Still to Learn – An Overview** – *Caroline Nicholls outlines the issues associated with cost-effective weed control in cereals and oilseed rape in the UK and the ongoing research trying to resolve them*
- 25 **No Till + Crop Rotation + Pesticide Stewardship = Better Agriculture** – *A view from an Argentinian farmer – Santiago del Solar Dorrego*
- 28 **R&D News** – *reports on new products, new applications and new uses*
- 30 **Regalia® Bioprotectant in Plant Disease Management** – *Hai Su, Russell Blair, Tim Johnson and Pamela Marrone describe the modes of action and biological efficacy of this new biological fungicide/bactericide*
- 35 **The Honey Bee Crisis** – *Jamie Ellis*
- 41 **Company News** – *reports on mergers, acquisitions, collaborations and sales*
- 44 **Book Review – Evolution – A View from the 21st Century** – *R G Turner*
- 45 **Interview** – *Leonard Copping Interviews Professor Ian Crute, the Agriculture and Horticulture Development Board's (AHDB) First Chief Scientist who was Appointed in September 2009*
- 48 **Another Luddite Victory**

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)