



# Crop Protection

<http://www.elsevier.com/locate/cropro/>

## Contents

Volume 98 August 2017 ISSN 0261-2194

- 1 Susceptibility of peruvian watergrass and rice cutgrass to glyphosate under soil moisture variations  
*A. Scherner, L. Avila, F. Schreiber, N.D. Kruse, J.A. Fernando and É.N. Garcia*
- 8 Assessment of copper resistance in *Pseudomonas syringae* pv. *phaseolicola*, the pathogen of halo blight on snap bean  
*S. Zhang, Y. Fu, Z. Mersha and K. Pernezny*
- 16 Control of perennial weeds in spring cereals through stubble cultivation and mouldboard ploughing during autumn or spring  
*L.O. Brandsæter, K. Mangerud, M. Helgheim and T.W. Berge*
- 24 Effects of a pyrethroid and two neonicotinoid insecticides on population dynamics of key pests of soybean and abundance of their natural enemies  
*K. Regan, D. Ordosch, K.D. Glover, K.J. Tilmon and A. Szczepaniec*
- 33 An insecticide formulation of terpene ketones against *Sitophilus zeamais* and its incorporation into low density polyethylene films  
*J.M. Herrera, M.L. Goñi, N.A. Gañan and J.A. Zygaplo*
- 40 The efficacy of insecticides against eggs and nymphs of *Aleyrodes proletella* (Hemiptera: Aleyrodidae) under laboratory conditions  
*K. Kovaříková, K. Holý, J. Skuhrovec and P. Saska*
- 46 Impact of imidacloprid treated seed and foliar insecticide on Hessian fly abundances in wheat (*Triticum aestivum* L.)  
*F.C. Howell, D.D. Reisig, H.J. Burrack and R. Heiniger*
- 56 Toxicity of propylene oxide alone and in combination with low pressure or carbon dioxide against life stages of *Ephestia cautella* (Walker) (Lepidoptera: Pyralidae) under laboratory conditions  
*A.A. Isikber, H. Tunaz, C.G. Athanassiou, Y. Bilgili and M.K. Er*
- 61 Screening Napier grass accessions for resistance to Napier grass stunt disease using the loop-mediated isothermal amplification of DNA (LAMP)  
*N.I.E. Wamalwa, C.A.O. Midega, S. Ajanga, N.E. Omukunda, F.N. Muyekho, G.O. Asudi, M. Mulaa and Z.R. Khan*
- 70 Fumonisin B1-producing *Fusarium* species from agricultural crops in Malaysia  
*N.A. Ismail, M.H. Mohd, N.M.I. Mohamed Nor and L. Zakaria*
- 76 Combatting Cocoa Swollen Shoot Virus Disease: What do we know?  
*C. Andres, A. Gattinger, H.K. Dzahini-Obiatey, W.J. Blaser, S.K. Offei and J. Six*
- 85 Efficacy of herbicidal ionic liquids and choline salt based on 2,4-D  
*K. Marcinkowska, T. Pruczyk, M. Gawlak, M. Niemczak and J. Pernak*

(contents continued on inside back cover)

# Contents

Volume 98 August 2017 ISSN 0261-2194

(contents continued from outside back cover)

- 94 Drought-tolerant *Desmodium* species effectively suppress parasitic striga weed and improve cereal grain yields in western Kenya  
*C.A.O. Midega, C.J. Wasonga, A.M. Hooper, J.A. Pickett and Z.R. Khan*
- 102 Behavioral and hormetic effects of the butenolide insecticide, flupyradifurone, on Asian citrus psyllid, *Diaphorina citri*  
*X.D. Chen, M. Seo and L.L. Stelinski*
- 108 Integration of biological control and transgenic insect protection for mitigation of mycotoxins in corn  
*M.A. Weaver, H.K. Abbas, M.J. Brewer, L.S. Pruter and N.S. Little*
- 116 Residual activity of diamide insecticides for *Ostrinia nubilalis* control in processing snap bean  
*R.A. Schmidt-Jeffris and B.A. Nault*
- 124 Biocontrol of boxwood blight by *Trichoderma koningiopsis* Mb2  
*P. Kong and C. Hong*
- 128 Susceptibility of Cry1F-maize resistant, heterozygous, and susceptible *Spodoptera frugiperda* to Bt proteins used in the transgenic cotton  
*F. Yang, D.L. Kerns, G. Head, S. Brown and F. Huang*
- 136 Thiamethoxam seed treatment for control of rice thrips (*Chlothrips oryzae*) and its effects on the growth and yield of rice (*Oryza sativa*)  
*T. Tang, X. Liu, P. Wang, W. Fu and M. Ma*
- 143 Soil persistence of dimethyl disulfide combined with chloropicrin after repeated applications  
*M. Stevens and J. Freeman*
- 149 Season-long programs for control of *Drosophila suzukii* in southeastern U.S. blackberries  
*L.M. Diepenbrock, J.A. Hardin and H.J. Burrack*
- 157 Host plant genotypes determine bottom-up effect of *Cucumis melo* var. *callosus* against melon fruit fly  
*S.M. Haldhar, D.K. Samadia, R. Bhargava and D. Singh*
- 166 Effects of fluensulfone combined with soil fumigation on root-knot nematodes and fruit yield of drip-irrigated fresh-market tomatoes  
*G.X. Castillo, M. Ozores-Hampton and P.A. Navia Gine*
- 172 Modified trap barrier system for the management of rodents in maize fields in Jilin Province, China  
*D. Wang, Q. Li, K. Li and Y. Guo*
- 179 Susceptibility of twospotted spider mites (*Tetranychus urticae*) to abamectin in Midsouth cotton  
*S. Brown, D.L. Kerns, J. Gore, G. Lorenz and S. Stewart*
- 184 Biological control of *Diloboderus abderus* (Coleoptera: Scarabaeidae) larvae using *Steinernema rarum* CUL (Nematoda: Steinernematidae) and *Heterorhabditis bacteriophora* SMC (Nematoda: Heterorhabditidae)  
*E.E. Del Valle, L.S. Frizzo, P. Lax, J.S. Bonora, L. Palma, N.P. Bernardi Desch, M. Pietrobón and M.E. Doucet*
- 191 Crop protection services by Plant Clinics in Iran: An evaluation through rice farmers' satisfaction  
*R. Ghiasi, M.S. Allahyari, C.A. Damalas, J. Azizi and M. Abedi*
- 198 Field efficacy of hermetic and other maize grain storage options under smallholder farmer management  
*S. Mlambo, B.M. Mvumi, T. Stathers, M. Mubayiwa and T. Nyabako*

(contents continued on BM I)

- 211 Efficiency of rodent control in upland rice and potential of forecasting chronic rodent infestation in Northern Laos  
*T. Jäkel, K. Mouaxengcha and B. Douangboupha*
- 222 The biology, phenology and management of Australian weed-camel melon (*Citrullus lanatus* (Thunb.) Matsum. and Nakai)  
*R.S. Shaik, G.E. Burrows, N.A.R. Urwin, D. Gopurenko, B.J. Lepschi and L.A. Weston*
- 236 Growth and quality responses of low-maintenance turfgrasses to trinexapac-ethyl  
*C. Pornaro, S. Fiorio, S. Macolino and M.D. Richardson*
- 243 Field resistance monitoring of the immature stages of the whitefly *Bemisia tabaci* to spirotetramat in China  
*Z. Peng, H. Zheng, W. Xie, S. Wang, Q. Wu and Y. Zhang*
- 248 Impact of exclusion netting row covers on arthropod presence and crop damage to 'Honeycrisp' apple trees in North America: A five-year study  
*G. Chouinard, J. Veilleux, F. Pelletier, M. Larose, V. Phillion and D. Cormier*
- 255 Resistance categories to *Acanthoscelides obtectus* (Coleoptera: Bruchidae) in tepary bean (*Phaseolus acutifolius*), new sources of resistance for dry bean (*Phaseolus vulgaris*) breeding  
*J.C. Jiménez, M. de la Fuente, B. Ordás, L.E. García Domínguez and R.A. Malvar*
- 267 Interaction of seed coat color and seed hardness: An effective relationship which can be exploited to enhance resistance to the safflower fly (*Acanthiophilus helianthi*) in *Carthamus* spp.  
*S. Karami, M.R. Sabzalian, M. Rahimmalek, G. Saeidi and S. Ghasemi*
- 276 Assessment of berry drop due to coffee berry disease and non-CBD factors in Arabica coffee under farmers fields of Southwestern Ethiopia  
*W. Garedew, F. Lemessa and F. Pinard*
- 283 Effect of spray drift reduction techniques on pests and predatory mites in orchards and vineyards  
*D. Fornasiero, N. Mori, P. Tirello, A. Pozzebon, C. Duso, E. Tescari, R. Bradascio and S. Otto*
- 293 Newsletter for 98C