

- 1 Assessment of retention and persistence of copper fungicides on orange fruit and leaves using fluorometry and copper residue analyses
G.C. Schutte, C. Kotze, J. Gideon van Zyl and P.H. Fourie
- 10 The use of *Erianthus arundinaceus* as a trap crop for the stem borer *Chilo sacchariphagus* reduces yield losses in sugarcane: Preliminary results
S. Nibouche, R. Tibère and L. Costet
- 16 Chemical control of root rot complex and stem rot of greenhouse cucumber in straw-bale culture
T. Vatchev and S. Maneva
- 24 Association of *Tetranychus urticae* (Acari: Tetranychidae) feeding and gold fleck damage on tomato fruit
E.D. Meck, J.F. Walgenbach and G.G. Kennedy
- 30 Differential responses to plant-feeding nematodes among sibling cultivars of dessert bananas (Cavendish subgroup) and a synthetic hybrid
P. Quénehervé, M. Godefroid, P. Topart, S. Marie-Luce, F. Salmon, P. Marie and C. Chabrier
- 36 Assessment of rhizobacteria from grapevine for their suppressive effect on the parasitic nematode *Xiphinema index*
E. Abullay, S. Prodan, A. Mårtensson and P. Persson
- 42 Eradicating *Bemisia tabaci* Q biotype on poinsettia plants in the UK
A.G.S. Cuthbertson, J.H. Buxton, L.F. Blackburn, J.J. Mathers, K.A. Robinson, M.E. Powell, D.A. Fleming and H.A. Bell
- 49 Fungicide spray programs to manage downy mildew (dryberry) of blackberry caused by *Peronospora sparsa*
A. Rebollar-Alviter, H.V. Silva-Rojas, I. López-Cruz, J. Boyzo-Marín and M.A. Ellis
- 56 Characterisation of resistance to branched broomrape, *Phelipanche ramosa*, in winter oilseed rape
M. Gauthier, C. Véronési, Y. El-Halmouch, M. Lefton, C. Jestin, F. Labalette, P. Simier, R. Delourme and P. Delavault
- 64 Response of cucurbit rootstocks to *Pythium aphanidermatum*
Q.S. Al-Mawaali, A.M. Al-Sadi, A.J. Khan, H.D. Al-Hasani and M.L. Deadman

- 69 Reaction to late blight in response to nitrogen management in Argentine potato cultivars
P.L. Cicore, A.B. Andreu and M.A. Huarte
- 74 Sugarcane mosaic virus – Long history but still a threat to industry
L. Wu, X. Zu, S. Wang and Y. Chen
- 79 Proposed lime stone treatment as pest control fails for the leaf-cutting ant *Atta sexdens rubropilosa*
J.H. Schoereder, H.M.M. Silva, A.F. Carvalho and D.C. Muscardi
- 83 The potential of mineral oils alone and with reduced rates of insecticides for the control of light brown apple moth, *Epiphyas postvittana* (Walker) (Lepidoptera: Tortricidae), on nursery plants
P.D. Taverner, C. Sutton, N.M. Cunningham and S.W. Myers
- 88 Are the European snails, *Theba pisana* (Müller, 1774) (Helicidae), *Cerzuela virgata* (da Costa, 1778) and *Cochlicella acuta* (Müller, 1774) (Hygromiidae) attracted by potential food odours?
G.H. Baker, S. Beckett and B. Thammavongsa
- 94 Removal of molluscicidal bait pellets by earthworms and its impact on control of the gray field slug (*Derocerus reticulatum* Mueller) in western Oregon grass seed fields
W.E. Gavin, G.W. Mueller-Warrant, S.M. Griffith and G.M. Banowitz
- 102 Screening of *Pochonia chlamydosporia* Brazilian isolates as biocontrol agents of *Meloidogyne javanica*
R. Dallemole-Giaretta, L.G. Freitas, E.A. Lopes, O.L. Pereira, R.J.F. Zooca and S. Ferraz
- 108 Larval survival and plant injury of Cry1Ab-susceptible, -resistant, and -heterozygous genotypes of the sugarcane borer on transgenic corn containing single or pyramided Bt genes
D.S. Wangila, B.R. Leonard, Y. Bai, G.P. Head and F. Huang
- 116 Risk assessment of pesticide spray drift from citrus applications with air-blast sprayers in Spain
J.P. Cunha, P. Chueca, C. Garcerá and E. Moltó
- 124 Interactive effects of *Meloidogyne incognita* race 2, *Bradyrhizobium japonicum* and crude extracts of *Cucumis myriocarpus* fruit on *Vigna unguiculata*
P.W. Mashela and K.M. Pofu
- 128 Efficiency of electrolyzed water (EW) on inhibition of *Phytophthora parasitica* var. *nicotianae* growth *in vitro*
Y.-T. Hou, J. Ren, H.-J. Liu and F.-D. Li
- 134 Modelling density thresholds for managing mouse damage to maturing wheat
S. Kaboodvandpour and L.K.-P. Leung

- 141 Resistance responses of rice to rice blast fungus after seed treatment with the endophytic *Achromobacter xylosoxidans* AUM54 strains
M.M. Joe, M.R. Islam, B. Karthikeyan, K. Bradeepa, P.K. Sivakumaar and T. Sa
- 149 Occurrence and distribution of aflatoxin contamination in groundnuts (*Arachis hypogaea* L.) and population density of *Aflatoxigenic Aspergilli* in Malawi
E.S. Monyo, S.M.C. Njoroge, R. Coe, M. Osiru, F. Madinda, F. Waliyar, R.P. Thakur, T. Chilunjika and S. Anitha
- 156 Evaluation of monitoring methods for thrips and the effect of trap colour and semiochemicals on sticky trap capture of thrips (Thysanoptera) and beneficial insects (Syrphidae, Hemerobiidae) in deciduous fruit trees in Western Australia
S. Broughton and J. Harrison
- 164 Uses and benefits of glyphosate in German arable farming
H.H. Steinmann, M. Dickeduisberg and L. Theuvsen
- 170 Bioassays with diatomaceous earth formulations: Effect of species co-occurrence, size of vials and application technique
N.G. Kavallieratos, C.G. Athanassiou, A.E. Mpassoukou, F.D. Mpakou, Ž. Tomanović, T.B. Manessioti and S.C. Papadopoulou
- 180 Prediction of synergistic multi-compound mixtures – A generalized Colby approach
H. Soller and A. Wedemeier
- 186 Screening of several disinfectants to assess their efficacy in controlling mycelia growth, sporangia germination, and recovery of viable *Phytophthora ramorum*
D. James, A. Varga, E. Becker, G. Sumampong, K. Bailey, M. Elliott, S. Masri and S.F. Shamoun
- 193 Farmers' perceptions of cotton pests and their management in western Kenya
C.A.O. Midega, I.M. Nyang'au, J. Pittchar, M.A. Birkett, J.A. Pickett, M. Borges and Z.R. Khan
- 202 Evaluation of plant-derived products against pests and diseases of medicinal plants: A review
R.T. Gahukar
- 210 Effects of an insect–nematode–fungus pest complex on grain yield and composition of specialty low linolenic acid soybean
M.T. McCarville, C. Kanobe, M.E. O'Neal, G.C. MacIntosh and G.L. Tylka
- 217 Susceptibility of field populations of *Spodoptera litura* (Fabricius) (Lepidoptera: Noctuidae) in China to chlorantraniliprole and the activities of detoxification enzymes
J. Su, T. Lai and J. Li
- 223 Toxicity of some essential oil formulations against the Mediterranean fruit fly *Ceratitis capitata* (Wiedemann) (Diptera Tephritidae)
G. Benelli, G. Flamini, A. Canale, P.L. Cioni and B. Conti
- 230 Tolerance of tomato, pepper and potato to pre-emergence applications of saflufenacil
D.E. Robinson, K. McNaughton and P.H. Sikkema
- 234 Aggressiveness variation of *Fusarium graminearum* isolates from Argentina following point inoculation of field grown wheat spikes
I. Malbrán, C.A. Mourellos, J.R. Girotti, M.B. Aulicino, P.A. Balatti and G.A. Lori
- 244 Differential effect of delayed planting on soybean cultivars varying in susceptibility to bacterial pustule and wildfire in Korea
J.K. Hong, C.H. Sung, D.K. Kim, H.-T. Yun, W. Jung and K.D. Kim
- 250 Spring air temperature accounts for the bimodal temporal distribution of *Septoria tritici* epidemics in the winter wheat stands of Luxembourg
M. Beyer, M. El Jarroudi, J. Junk, F. Pogoda, T. Dubos, K. Görgen and L. Hoffmann
- 256 Baseline sensitivity of *Pestalotiopsis microspora*, which causes black spot disease on Chinese hickory (*Carya cathayensis*), to pyraclostrobin
C.Q. Zhang, Y.H. Liu, H.M. Wu, B.C. Xu, P.L. Sun and Z.H. Xu
- 260 Development of a standard acute dietary toxicity test for the silkworm (*Bombyx mori* L.)
X. Sun, H. Van Der Valk, H. Jiang, X. Wang, S. Yuan, Y. Zhang, I. Roessink and X. Gao
- 268 The critical period for weed competition in parsley (*Petroselinum crispum* (Mill.) Nyman ex A.W. Hill) in Mediterranean areas
A. Karkanis, D. Bilalis, A. Efthimiadou and N. Katsenios
- 273 Timing of fungicides in relation to calendar date, weather, and disease thresholds to control *Rhizoctonia* web blight on container-grown azalea
W.E. Copes, A. Hagan and J. Olive

- 281 Can spinosad-resistant *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae) be managed with spinosad and predatory mites (Acari)?
T. Rahman, S. Broughton and H. Spafford
- 289 Effective invertebrate pest management in dryland cropping in southern Australia: The challenge of marginality
M.A. Nash and A.A. Hoffmann
- 305 Efficacy of ketoenols on insecticide resistant field populations of two-spotted spider mite *Tetranychus urticae* and sweet potato whitefly *Bemisia tabaci* from Greece
A. Ilias, E. Roidakis, M. Grispou, R. Nauen, J. Vontas and A. Tsagkarakou
- 312 The competitive ability of different chickpea (*Cicer arietinum*) genotypes against *Polygonum aviculare* under field conditions
E. Radicetti, R. Mancinelli and E. Campiglia
- 320 History of chemical weeding from 1944 to 2011 in France: Changes and evolution of herbicide molecules
B. Chauvel, J.-P. Guillemin, J. Gasquez and C. Gauvrit
- 327 Communication disruption of light brown apple moth (*Epiphyas postvittana*) using a four-component sex pheromone blend
D.M. Suckling, T.E.S. Sullivan, L.D. Stringer, R.C. Butler, D.M. Campbell, A.M. Twidle, W.J. Allen, A. Mafra-Neto and A.M. El-Sayed
- 334 Identification and purification of an antibiotic protein produced by *Pseudomonas fluorescens* strain CZ with inhibitory effect to tobacco mosaic virus
L. Shen, F. Wang, H. Sun, Y. Qian, J. Yang, X. Dong and Q. Ma
- 338 Controlling powdery mildew on cucurbit rootstock seedlings in the greenhouse with fungicides and biofungicides
A.P. Keinath and V.B. DuBose
- 345 Evaluating the efficacy of pre- and post-emergence herbicides for controlling *Amaranthus retroflexus* L. and *Chenopodium album* L. in potato
M.T. Alebrahim, R. Majd, M.H. Rashed Mohassel, S. Wilcockson, M.A. Baghestani, R. Ghorbani and P. Kudsk
- 351 Antagonistic effect of *Glomus mosseae* on the pathogenicity of root-knot nematode infected *Solanum nigrum*
M.I. Robab, H. Shaikh and T. Azam
- 356 IAPPS Newsletter
- 359 Calendar