

- 1 No fitness costs associated with resistance of *Busseola fusca* (Lepidoptera: Noctuidae) to genetically modified Bt maize
M. Kruger, J.B.J. Van Rensburg and J. Van den Berg
- 7 Alternative cropping systems can have contrasting effects on various soil-borne diseases: Relevance of a systemic analysis in vegetable cropping systems
B. Collange, M. Navarrete, F. Montfort, T. Mateille, J. Tavoillot, B. Martiny and M. Tchamitchian
- 16 A comparison of web blight epidemics on common bean cultivars with different growth habits
G.R. Costa-Coelho, A.C. Café Filho and M. Lobo Jr.
- 21 Impact of quarantine procedures on weed biodiversity and abundance: Implications for the management of the golden potato cyst nematode, *Globodera rostochiensis*
B. Mimee, R. Andersen, G. Bélair, A. Vanasse and M. Rott
- 28 Toxicity of organic-coffee-approved products to the southern red mite *Oligonychus ilicis* and to its predator *Iphiseiodes zuluagai*
E.S. Tuelher, M. Venzon, R.N.C. Guedes and A. Pallini
- 35 Effects of non-chemical soil fumigant treatments on root colonisation with arbuscular mycorrhizal fungi and strawberry fruit production
D. Koron, S. Sonjak and M. Regvar
- 42 Effect of rice establishment methods on weedy rice (*Oryza sativa* L.) infestation and grain yield of cultivated rice (*O. sativa* L.) in Sri Lanka
B.S. Chauhan, A.S.K. Abeysekera, M.S. Wickramarathe, S.D. Kulatunga and U.B. Wickrama
- 50 Insecticide susceptibility and carboxylesterase activity in leafminers (Diptera: Agromyzidae) and their associated hymenopteran parasitoids
K. Matsuda and T. Saito
- 55 Effect of pre-harvest calcium chloride applications on fruit calcium level and post-harvest anthracnose disease of papaya
B. Madani, M.T. Muda Mohamed, A.R. Biggs, J. Kadir, Y. Awang, A. Tayebimeigooni and T.R. Shojaei
- 61 Rodent abundance, stone bund density and its effects on crop damage in the Tigray highlands, Ethiopia
Y. Meheretu, V. Sluydts, K. Welegerima, H. Bauer, M. Teferi, G. Yirga, L. Mulungu, M. Haile, J. Nyssen, J. Deckers, R. Makundi and H. Leirs

- 68 The first report on the winter breeding life history of *Epuraea domina* (Coleoptera: Nitidulidae) in a citrus grove in Jeju, Korea
Y.S. Jang and D.-S. Kim
- 74 Root-knot nematodes, a growing problem for Conilon coffee in Espírito Santo state, Brazil
A.F. Barros, R.D.L. Oliveira, I.M. Lima, R.R. Coutinho, A.O. Ferreira and A. Costa
- 80 Temporal and spatial distribution of an invasive thrips species *Scirtothrips dorsalis* (Thysanoptera: Thripidae)
V. Kumar, G. Kakkar, D.R. Seal, C.L. McKenzie, J. Colee and L.S. Osborne
- 91 Regional susceptibilities to 12 insecticides of melon and cotton aphid, *Aphis gossypii* (Hemiptera: Aphididae) and a point mutation associated with imidacloprid resistance
H.-N. Koo, J.-J. An, S.-E. Park, J.-I. Kim and G.-H. Kim
- 98 A temperature-based phenology model for predicting development, survival and population growth potential of the mealybug, *Phenacoccus solenopsis* Tinsley (Hemiptera: Pseudococcidae)
B.B. Fand, H.E.Z. Tonnang, M. Kumar, A.L. Kamble and S.K. Bal
- 109 Antifungal activity of liquid waste obtained from the detoxification of steam-exploded plant biomass against plant pathogenic fungi
U. De Corato, E. Viola, G. Arcieri, V. Valerio, F.A. Cancellara and F. Zimbardi
- 119 Sensitivity to fluopicolide of wild type isolates and biological characteristics of fluopicolide-resistant mutants in *Pseudoperonospora cubensis*
W. Wang, L. Yan, R. Meng, J. Zhao, X. Zhang, X. Han and Z. Ma
- 127 Occurrence, distribution, and ear damage of *Helicoverpa zea* (Lepidoptera: Noctuidae) in mixed plantings of non-Bt and Bt corn containing Genuity® SmartStax™ traits
F. Yang, D.L. Kerns, G.P. Head, B.R. Leonard, Y. Niu and F. Huang
- 133 Spatial distribution of nutsedge (*Cyperus* spp. L.) seed bank in rice growth cycle using geostatistics
R. Roham, H. Pirdashti, M. Yaghubi and G. Nematzadeh
- 142 Corrigendum to “Clearfield® rice: Its development, success, and key challenges on a global perspective” [Crop Prot. 49 (2013) 40–51]
E. Sudianto, S. Beng-Kah, N. Ting-Xiang, N.E. Saldain, R.C. Scott and N.R. Burgos
- 145 IAPPS News Letter 55C
- 148 Calendar