

- 1 Comparisons between blackbird damage to corn and sunflower in North Dakota
M.E. Klosterman, G.M. Linz, A.A. Slowik and H.J. Homan
- 6 Population dynamics of arthropods in a sunn-hemp zucchini interplanting system
J. Hinds and C.R.R. Hooks
- 13 Integrated management of *Phytophthora capsici* on bell pepper by combining grafting and compost treatment
G. Gilardi, M. Baudino, M. Moizio, M. Pugliese, A. Garibaldi and M.L. Gullino
- 20 Identification of a new strain of *Tobacco mosaic virus* infecting soybean in India based on host reactions and 3' end genome sequence
A. Kumar, S. Shilpi, M. Yogita, S.K. Lal and B. Mandal
- 23 Weed control in conservation agriculture systems of Zimbabwe: Identifying economical best strategies
T. Muoni, L. Rusinamhodzi and C. Thierfelder
- 29 Phosphite and metalaxyl rejuvenate macadamia trees in decline caused by *Phytophthora cinnamomi*
O.A. Akinsanmi and A. Drenth
- 37 Shoot and fruit borer resistant transgenic eggplant (*Solanum melongena* L.) expressing *cryIAa3* gene: Development and bioassay
N.P. Rai, G.K. Rai, S. Kumar, N. Kumari and M. Singh
- 46 PCR detection of ratoon stunting disease pathogen and natural resistance analysis in sugarcane core germplasms
W.-F. Li, K. Shen, Y.-K. Huang, X.-Y. Wang, Z.-M. Luo, X.-M. Ying, J. Yin, L. Ma, H.-L. Shan and R.-Y. Zhang
- 52 Sensitivity of *Pectobacterium carotovorum* to hydroxytyrosol-rich extracts and their effect on the development of soft rot in potato tubers during storage
T. Yangui, S. Sayadi and A. Dhouib
- 58 A bioeconomic model of downy mildew damage on grapevine for evaluation of control strategies
P. Leroy, N. Smits, P. Cartolaro, L. Delière, J.-P. Goutouly, M. Raynal and A. Alonso Ugaglia
- 72 Silicon fertilisation decreases brown rust incidence in sugarcane
M.S. Camargo, L. Amorim and A.R. Gomes Júnior
- 80 Development of new bioformulations using *Trichoderma* and *Talaromyces* fungal antagonists for biological control of sugar beet damping-off disease
N. Kakvan, A. Heydari, H.R. Zamanizadeh, S. Rezaee and L. Naraghi
- 85 Comparison of spinetoram, imidacloprid, thiamethoxam and chlorantraniliprole against life stages of *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) on concrete
O. Saglam, C.G. Athanassiou and T.N. Vassilakos

(contents continued on inside back cover)

(contents continued from outside back cover)

- 96 Effect of *Pichia membranaefaciens* on ROS metabolism and postharvest disease control in citrus fruit
Y. Luo, Y. Zhou and K. Zeng
- 103 Selectivity and weed control efficacy of pre- and post-emergence applications of clomazone in Southern Brazil
A. Andres, G. Concenço, G. Theisen, F. Vidotto and A. Ferrero
- 109 A comparison of initial spray characteristics produced by agricultural nozzles
G.J. Dorr, A.J. Hewitt, S.W. Adkins, J. Hanan, H. Zhang and B. Noller
- 118 Effects of seeding rate and cultivar on tomato spotted wilt of peanut
A.K. Culbreath, R.S. Tubbs, B.L. Tillman, J.P. Beasley Jr., W.D. Branch, C.C. Holbrook, A.R. Smith and N.B. Smith
- 125 Yield loss prediction models based on early estimation of weed pressure
A. Ali, J.C. Streibig and C. Andreasen
- 132 Weed and disease incidence in no-till facultative wheat in the Pacific Northwest, USA
L.S. Sullivan, F.L. Young, R.W. Smiley and J.R. Alldredge
- 139 Resistance to soybean aphid among wild soybean lines under controlled conditions
L.S. Hesler
- 147 Potential of cyanobacteria for biorational management of plant parasitic nematodes: A review
P. Holajjer, A. Kamra, H.S. Gaur and M. Manjunath
- 152 Assessing the impact of areawide pheromone trapping, pesticide applications, and eradication of infested date palms for *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae) management in Al Ghowaybah, Saudi Arabia
M.S. Hoddle, A.H. Al-Abbad, H.A.F. El-Shafie, J.R. Faleiro, A.A. Sallam and C.D. Hoddle
- 161 Quantifying pesticide overuse from farmer and societal points of view: An application to Thailand
C. Grovermann, P. Schreinemachers and T. Berger
- 169 Non-chemical agents provide tenable, eco-friendly alternatives for the management of the major diseases devastating Indian mustard (*Brassica juncea*) in India
P.D. Meena, R.B. Gour, J.C. Gupta, H.K. Singh, R.P. Awasthi, R.S. Netam, S. Godika, P.S. Sandhu, R. Prasad, A.S. Rathi, D. Rai, L. Thomas, G.A. Patel and C. Chattopadhyay
- 175 Mycorrhizae colonizing actinomycetes promote plant growth and control bacterial blight disease of pomegranate (*Punica granatum* L. cv Bhagwa)
S. Poovarasam, S. Mohandas, P. Paneerselvam, B. Saritha and K.M. Ajay
- 182 IAPPS Newsletter
- 184 Calendar