

Regular Articles

- 587 Evaluation of augmentative release of *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae) for biological control of *Parthenium hysterophorus* L.
Sushilkumar and P. Ray
- 592 Efficiency of mesosulfuron-methyl and clodinafop-propargyl dose for the control of *Lolium perenne* in wheat
S. Vazan, M. Oveisi and S. Baziar
- 598 Potassium phosphite for control of downy mildew of soybean
O.C. Silva, H.A.A. Santos, M. Dalla Pria and L.L. May-De Mio
- 605 Toxicity, inheritance of fenpyroximate resistance, and detoxification-enzyme levels in a laboratory-selected fenpyroximate-resistant strain of *Tetranychus urticae* Koch (Acari: Tetranychidae)
R. Ay and F.E. Kara
- 611 Sunflower crop-wild hybrids: Identification and risks
A. Presotto, I. Fernández-Moroni, M. Poverene and M. Cantamutto
- 617 A comparison of monitoring systems used for *Ceratitis* species (Diptera: Tephritidae) in South Africa
T.G. Grout, J.H. Daneel, A.B. Ware and R.R. Beck
- 623 Genotype × environment interactions for shoot fly resistance in sorghum (*Sorghum bicolor* (L.) Moench): Response of recombinant inbred lines
C. Aruna, V.R. Bhagwat, V. Sharma, T. Hussain, R.B. Ghorade, H.G. Khandalkar, S. Audilakshmi and N. Seetharama
- 631 The effects of rapeseed root exudates on the forms of aluminum in aluminum stressed rhizosphere soil
N. Zhou, P. Liu, Z.Y. Wang and G.D. Xu
- 637 Improvement of bacterial blight resistance of hybrid rice in China using the *Xa23* gene derived from wild rice (*Oryza rufipogon*)
Y.-L. Zhou, V.N. Uzokwe, C.-H. Zhang, L.-R. Cheng, L. Wang, K. Chen, X.-Q. Gao, Y. Sun, J.-J. Chen, L.-H. Zhu, Q. Zhang, J. Ali, J.-L. Xu and Z.-K. Li

(contents continued from outside back cover)

- 645 Comparative effectiveness and field persistence of insect growth regulators on a field strain of the cotton leafworm, *Spodoptera littoralis*, Boisduval (Lepidoptera: Noctuidae)
E.A. El-Sheikh and M.M. Aamir
- 651 Natural seed coats provide protection against penetration by *Callosobruchus maculatus* (Coleoptera: Bruchidae) larvae
A.J. Souza, P.O. Santos, M.S.T. Pinto, T.T. Wermelinger, E.S. Ribeiro, S.C. Souza, M.F. Deus, M.C. Souza, J. Xavier-Filho, K.V.S. Fernandes and A.E.A. Oliveira
- 658 Evaluation of A₁, A₂, A₃, A_{4(M)}, A_{4(G)} and A_{4(VZM)} cytoplasms in iso-nuclear backgrounds for grain mold resistance
P. Sanjana Reddy, D. Manohar Rao, B.V.S. Reddy, A. Ashok Kumar, R.P. Thakur and V.P. Rao
- 663 Satellite images as a tool to identify accelerated atrazine mineralization in soils
S. Hang, P. Mercuri, M. Díaz-Zorita, S. Havrylenko and E. Barriuso
- 671 Pests and diseases contribute to sugar beet yield difference between top and averagely managed farms
B. Hanse, J.H.M. Schneider, A.J. Termorshuizen and M. Varrelmann
- 679 Frequency of Bt resistance alleles in *Helicoverpa armigera* in 2007–2009 in the Henan cotton growing region of China
G. Li, Y. Gao, H. Feng and F. Qiu
- 685 Economic returns from fungicide application to control foliar fungal diseases in winter wheat
S.N. Wegulo, M.V. Zwingman, J.A. Breathnach and P.S. Baenziger
- 693 Effect of spray volume of two organophosphate pesticides on coverage and on mortality of California red scale *Aonidiella aurantii* (Maskell)
C. Garcerá, E. Moltó and P. Chueca
- 698 Response of progeny bred from Bolivian and North American cultivars in integrated management systems for leaf spot of peanut (*Arachis hypogaea*)
S. Gremillion, A. Culbreath, D. Gorbet, B. Mullinix Jr., R. Pittman, K. Stevenson, J. Todd and M. Condori
- 705 Cross-resistance, inheritance and stability of resistance to acetamiprid in cotton whitefly, *Bemisia tabaci* Genn (Hemiptera: Aleyrodidae)
M. Basit, A.H. Sayyed, M.A. Saleem and S. Saeed

(contents continued on bm IV)

(contents continued from inside back cover)

- 713 The effect of ground vegetation management on competition between the ants *Oecophylla longinoda* and *Pheidole megacephala* and implications for conservation biological control
Z.S.K. Seguni, M.J. Way and P. Van Mele
- 718 Effects of *Fusarium culmorum* and water stress on durum wheat in Tunisia
S. Chekali, S. Gargouri, T. Paulitz, J.M. Nicol, M. Rezgui and B. Nasraoui
- 726 Saccharin-induced systemic acquired resistance against rust (*Phakopsora pachyrhizi*) infection in soybean: Effects on growth and development
P. Srivastava, S. George, J.J. Marois, D.L. Wright and D.R. Walker
- 733 Assessment of nematicidal properties and phytochemical screening of neem seed formulations using *Radopholus similis*, parasitic nematode of plantain in Cameroon
P. Kosma, Z. Ambang, B.A.D. Begoude, G.M.T. Hoopen, J. Kuate and A. Akoa

Short Communications

- 739 Plant protection potential and ultrastructure of *Bacillus subtilis* strain 3A25
A. Holzinger, D. Nagendra-Prasad and G. Huys
- 745 Translucent pheromone traps increase trapping efficiency of ambrosia beetle *Megaplatypus mutatus*
P. González-Audino, P. Gatti and E. Zerba
- 748 IAPPS Newsletter
- 751 Calendar