

IOBC/WPRS Bulletin

Vol. 23(1), 2000

Working Group „Integrated Control in Protected Crops: Mediterranean Climate“, Proceedings of the Meeting at Antalya (Turkey), 24 – 28 April 2000. Edited by: R. Albajes & E. Sekeroglu. ISBN 92-9067-117-3.

Preface	i
Préface	iii
First experiences in Italy of IPM on ornamental cut foliage: <i>Danae racemosa</i> and <i>Fatsia japonica</i> Sacco, M., C. Pasini, F. D'Aquila, P. Fadelli & M.G. Tommasini	3
Ecological pest management in green and flowering cut foliage in western Liguria Petacchi, R.	9
Integrated Disease Management in Tomato Crops Grown in High Tunnels Biçici, M., S. Toker, Y. Canihos & A. Erkiçiç	15
Integrated pest management strategies in sweet pepper plastic houses in the Southeast of Spain Sánchez J.A., A. Alcázar, A. Lacasa, A. Llamas & P. Bielza	21
Technical procedures and constrains for phytosanitary control measures at greenhouses growers' level in the Oeste region of Portugal [POSTER] Amaro, F., M.C. Godinho, E. Figueiredo, I. Rodrigo & A. Mexia	31
Pests and their natural enemies on greenhouse vegetables in Antalya Bulut, E. & H. Gocmen	33
Crop protection techniques in horticultural greenhouses farming systems: A sociological approach of farmers' adoption Rodrigo, I., F. Amaro, M.C. Godinho & A. Mexia	39
Bumblebees (<i>Bombus terrestris</i> L.) (Hymenoptera: Apoidea) as a potential pollinator of greenhouse muskmelon crop - a behavioural study Albano, S., E. Salvado & A. Mexia	45
Seasonal and density effects in pollination efficiency of bumblebees (<i>Bombus terrestris</i> L.) in greenhouse tomato [POSTER] Salvado, E., S. Albano & A. Mexia	55
Effect of plant extracts on tomato stem necrosis Aysan, Y. & N. Yildiz	59
Induction of resistance on eggplants against <i>Verticillium</i> wilt disease and root-knot nematodes using biotic and abiotic factors Elekcioglu, I.H., Y. Canihos, H. Özgönen, & M.A. Sögüt	63
Control of wilt and root diseases of <i>Asclepias tuberosa</i> L. Tsrör (Lahkim), L., O. Erlich, M. Hazanovsky, I. Dori, Y. Skutelsky & E. Matan	71
Combination of <i>Trichoderma</i> spp. and soil solarization to control root rot diseases of cucumber in greenhouses conditions Yücel S, H. Pala, S. Çali & A. Erkiçiç	77
Soil solarization: an alternative control method for <i>Pseudomonas syringae</i> pv. <i>Tomato</i> Aysan, Y. & O. Cinar	83
The threat of insect-transmitted viruses to vegetable production in Morocco Hanafi, A.	89
Monitoring for the whitefly <i>Bemisia tabaci</i> Genn. on Ribatejo and Oeste region of Portugal	

<i>Queirós, M.R.P., E. Figueiredo & A. Mexia</i>	97
Les parasitoïdes indigènes du biotype « B » de <i>Bemisia tabaci</i> (Gennadius) (Homoptera: Aleyrodidae). Que peut-on en attendre pour le contrôle biologique de ce ravageur ?	
<i>Onillon, J.C. & P. Maignet</i>	101
A compared evaluation of <i>Encarsia formosa</i> Gahan and <i>Encarsia pergandiella</i> Howard (Hymenoptera: Aphelinidae) as biological control agents of <i>Trialeurodes vaporariorum</i> (Westwood) (Homoptera: Aleyrodidae) on tomato under greenhouse in southern Italy	
<i>Giorgini, M. & G. Viggiani</i>	109
Biological studies with <i>Eretmocerus mundus</i> Muesebeck (Hymenoptera: Aphelinidae) in Israel.	
<i>Gerling, D. & R. Fried</i>	117
Étude comparative de la répartition spatio-temporelle de deux aleurodes des cultures légumières [<i>Trialeurodes vaporariorum</i> (Westwood) et <i>Bemisia</i> <i>tabaci</i> (Gennadius)] (Homoptera-Aleyrodidae) sur tomate	
<i>Benmessaoud Boukhalfa, H., & Benmessaoud & N. Belkacem</i>	125
Studies on the detection of the presence of <i>Liriomyza huidobrensis</i> in glasshouses in Poland	
<i>Dankowska, E. & T. Baranowski</i>	135
Effect of different temperatures on development time and parasitization rate of <i>Diglyphus isaea</i> (Hymenoptera: Eulophidae) on <i>Liriomyza trifolii</i> (Diptera: Agromyzidae)	
<i>Ulubilir, A. & E. Sekeroglu</i>	139
Effect of mass trapping by yellow sticky traps in controlling of leafminer, <i>Liriomyza</i> <i>spp.</i> (Diptera: Agromyzidae) injurious on vegetables in greenhouses in Icel	
<i>Yabas, C., A. Ulubilir & A. Yigit</i>	145
Studies on population development of leafminers (<i>Liriomyza spp.</i>) and parasitization situation	
<i>Ulubilir, A. & C. Yabas</i>	151
Leafminers (<i>Liriomyza sp.</i>) importance in greenhouses in the Oeste region of Portugal and its natural parasitoids as control agents in IPM programs	
<i>Godinho, M.C. & A. Mexia</i>	157
Pre-introductory evaluation of a coccinellid predator, <i>Cycloneda sanguinea</i> L. (Coleoptera: Coccinellidae) for biocontrol of cotton aphid, <i>Aphis gossypii</i> Glover (Aphididae: Hemiptera) in glasshouses	
<i>Isikber, A.A. & Michael J. W. Copland</i>	165
The use of open rearing units or « banker plants » against <i>Aphis gossypii</i> (Glover) in protected courgette and melon crops in Roussillon (South of France)	
<i>Schoen, L.</i>	181
The effect of <i>Amblyseius longispinosus</i> (Evans) (Acarina: Phytoseiidae) on <i>Tetranychus cinnabarinus</i> Boisduval (Acarina: Tetranychidae) on different cucumber cultivars	
<i>Colkesen, T. & E. Sekeroglu</i>	187
The population dynamics and predation of Hatay strain of <i>Phytoseiulus persimilis</i> Athias-Henriot (Acarina: Phytoseiidae) on the prey <i>Tetranychus cinnabarinus</i> Boisduval (Acarina: Tetranychidae); effects of different initial prey and predator ratios on greenhouse cucumbers	
<i>Kazak, C., K. Karut & E. Sekeroglu</i>	195
Development of a sequential sampling program for <i>Frankliniella occidentalis</i> (Pergande) (Thysanoptera) on strawberry in plastic tunnels in southern Italy	
<i>Laudonia, S., P.A. Pedata & G. Viggiani</i>	201

Parasitoid complex associated with lepidoptera on horticultural protected crops in the Oeste region of Portugal <i>Figueiredo, E. & A. Mexia</i>	205
Use of sexual pheromone trapping on risk assessment for noctuids on protected crops; a preliminary study in the Oeste Region <i>Branco, S., E. Figueiredo & A. Mexia</i>	209
Biological control of <i>Nezara viridula</i> on egg plant, with an egg parasitoid <i>Trissolcus basalus</i> (Wollaston) <i>Odermatt, S., C. Lenfant & J. Klapwijk</i>	213
Natural populations of <i>Macrolophus caliginosus</i> and <i>Dicyphus tamaninii</i> in the control of the greenhouse whitefly in tomato crops <i>Castañé, C, O. Alomar, M. Goula & R. Gabarra</i>	221
Susceptibilité de <i>Macrolophus caliginosus</i> Wagner (Heteroptera: Miridae) á la prédation intraguille <i>Lucas, E. & O. Alomar</i>	225
Predatory activity of two <i>Orius</i> species on the western flower thrips in protected pepper crops (Ligurian Riviera, Italy) <i>Tavella, L., R. Tedeschi, A. Arzone, A. Alma</i>	231
Conservation of <i>Macrolophus caliginosus</i> Wagner (Het. Miridae) in commercial greenhouses during tomato crop-free periods <i>Arnó, J., J. Ariño, R. Español, M. Marti & O. Alomar</i>	241
Biopropagation of <i>Macrolophus caliginosus</i> (Wagner) for a quicker establishment in southern tomato greenhouses <i>Lenfant, C., G. Ridray & L. Schoen</i>	247
<i>Dicyphus tamaninii</i> in the biological control of cucumber pests <i>Castañé, C., O. Alomar & J. Riudavets</i>	253
Dicyphini collected on vegetable and wild plants in north-western Italy (Heteroptera: Miridae) [POSTER] <i>Goula, M. & L. Tavella</i>	257
Impact of <i>Nesidiocoris tenuis</i> (Reuter) (Hemiptera: Miridae) on whitefly populations in protected tomato crops [POSTER] <i>Camero-Hernandez, A., S. Diaz-Hernández, S. Amador-Martin, M. Hernández-García & E. Hernández-Suárez</i>	259
First approach on the potential role of <i>Dicyphus cerastii</i> Wagner (Hemiptera: Miridac), as natural control agent in Portuguese greenhouses <i>Carvalho, P. & A. Mexia</i>	261
The role of Chrysopids as natural control agents in Portuguese greenhouses [POSTER] <i>Passos, P., C. Couto & A. Mexia</i>	265
Comparative behaviour of three predators used in biological control in greenhouse crops <i>Montserrat, M., R. Albajes & C. Castañé</i>	267
Growth enhancement of some plants and effects of fungicides on mycorrhizal colonisation <i>Ozgonen, H. & A. Erkilic</i>	275
Laboratory investigations on some natural pesticides for use against pests in vegetable greenhouses <i>Madanlar, N., Z. Yoldas & E. Durmusoglu</i>	281
Resistance to tetradifon in cannine spider mite <i>Tetranychus cinnabarinus</i> Boisd. <i>Dagli, F. & I. Tunc</i>	289