

IOBC/wprs Bulletin Vol. 35, 2008

Working Group “Pesticides and Beneficial Organisms”, Proceedings of the meeting at Berlin (Germany), 10 - 12 October, 2007.

Edited by: Heidrun Vogt, Jean-Pierre Jansen, Elisa Vinuela & Pilar Medina.
ISBN 978-92-9067-209-8 [xiii + 156 pp.].

Contents

Preface.....	i
Dr. Heidrun Vogt – 10 years successful convenorship of the IOBC Working Group “Pesticides and Beneficial Organisms” Baier, B. & Heimbach, U.	iii
List of participants.....	vi
Contents.....	xi
Residues of acetamiprid in leaves of <i>Aesculus hippocastanum</i> and effects on the horse chestnut leaf miner (<i>Cameraria ohridella</i>) following trunk spraying Schenke, D., Jäckel, B. & Schmidt, H.	1-9
Who benefits from low-input pesticide use within the tritrophic system: crop – aphid – predator? Schumacher, K. & Freier, B.....	10-17
Impact of low-input pesticides usage on spider communities with special regard to accumulated effects Volkmar, Ch., Schumacher, K. & Müller, J.	18-25
Effects of different control measures against the olive fruit fly (<i>Bactrocera oleae</i> (Gmelin)) on beneficial arthropod fauna. Methodology and first results of field assay González-Núñez, M., Pascual, S., Seris, E., Esteban-Durán, J. R., Medina, P., Budia, F., Adán, Á. & Viñuela, E.	26-31
Impact of Success Bait (a.i. spinosad) against <i>Rhagoletis cerasi</i> on insect fauna in field test (Abstract)Barić, B., Pauković, M., Bertić, D. & Pajač, I.	32
Effects of bait sprays to control the European cherry fruit fly (<i>Rhagoletis cerasi</i> L.) on aphid predators (Abstract) Vogt, H. & Köppler, K.	33-34
Earwigs in fruit orchards: phenology predicts predation effect and vulnerability to side-effects of orchard management Gobin, B., Moerkens, R., Leirs, H. & Peusens, G.....	35-39
Side effects of pesticides on the European earwig <i>Forficula auricularia</i> L. (Dermaptera: Forficulidae)Peusens, G. & Gobin, B.	40-43
About the presence and abundance of beneficials in overwintering sites of <i>Anarsia lineatella</i> (Lepidoptera: Gelechiidae) in peach orchards of northern Greece Damos, P. & Savopoulou-Soultani, M.	44-50

Is the use of some selected insecticides compatible with two noctuid endoparasitoids: <i>Hyposoter didymator</i> and <i>Chelonus inanitus</i> ?	
<i>Medina, P., Morales, J.J., González-Núñez, M. & Viñuela, E.</i>	51-59
The extended laboratory test guideline for <i>Aphidius rhopalosiphi</i> : some areas of debate relating to the methodology	
<i>Mead-Briggs, M.</i>	60-65
Pesticides selectivity list to beneficial arthropods in four field vegetable crops	
<i>Jansen, J.P., Hautier, L., Mabon, N. & Schiffers, B.</i>	66-77
Concerns and solutions in non-target arthropod regulatory risk assessment of plant protection products	
<i>Chaton, P.F., Vergnet, Ch. & Alix, A.</i>	78-84
Toxicity of certain pesticides to the predatory mite <i>Euseius finlandicus</i> (Acari: Phytoseiidae)	
<i>Broufas, G.D., Pappas, M.L., Vassiliou, G. & Koveos, D.S.</i>	85-91
Side effects of pesticides used in vineyards in the Aegean region on the predatory mite <i>Typhlodromus perbibus</i> Wainstein & Arutunjan (Acari: Phytoseiidae) under laboratory conditions	
<i>Göven, M.A. & Güven, B.</i>	92-95
Effects of ten pesticides to <i>Anystis baccarum</i> (Acari: Anystidae)	
<i>Bostanian, N.J. & Laurin, M.-C.</i>	96-100
Influence of some insecticides and acaricides on beneficial mites and on <i>Coccinella</i> <i>septempunctata</i> (Coleoptera; Coccinellidae) larvae	
<i>Olszak, R. W. & Sekrecka, M.</i>	101-108
Effect of the entomopathogenic fungus <i>Lecanicillium muscarium</i> on the predatory mite <i>Phytoseiulus persimilis</i> as a non-target organism	
<i>Donka, A., Sermann, H. & Büttner, C.</i>	109-112
Effects of <i>Beauveria bassiana</i> , <i>Heterorhabditis bacteriophora</i> , <i>H. megidis</i> and <i>Steinernema feltiae</i> on the Mediterranean fruit fly <i>Ceratitis capitata</i> and the very sensitive braconid <i>Psytalia concolor</i> in the lab	
<i>Medina, P., Corrales, E., González-Núñez, M., Smagghe, G. & Viñuela, E.</i>	113-121
Aged-residue method for evaluating toxicity of plant protection products to <i>Stethorus punctillum</i> (Weise) (Coleoptera: Coccinellidae)	
<i>Nienstedt, K.M. & Miles, M.</i>	122-127
Chlorantraniliprole (DPX-E2Y45, DuPont™ Rynaxypyr®, Coragen® and Altacor® insecticide) - a novel anthranilic diamide insecticide - demonstrating low toxicity and low risk for beneficial insects and predatory mites	
<i>Dinter, A., Brugger, K., Bassi, A., Frost, N.-M., Woodward, M.D.</i>	128-135
Influence of organic matter on bio-availability of two pesticides and their toxicity to two soil dwelling predators (Abstract)	
<i>Hautier, L., Mabon, N., Schiffers, B. & Jansen, J.-P.</i>	136

Different methods of application – Different laboratory test strategies (Abstract) <i>Norr, C., Baier, B. & Schenke, D.</i>	137
Assessment of side-effect of water-soluble nitrogen fertilizers applied as foliar spray on the parasitic wasp <i>Aphidius rhopalosiphi</i> (DeStefani-Perez) (Hym.; Aphidiidae) <i>Dantinne, D. & Jansen, J.P.</i>	138-142
Field toxicity of four acaricides on the predatory mites <i>Amblyseius andersoni</i> (Chant) and <i>Euseius stipulatus</i> (Athias-Henriot) (Acari: Phytoseiidae) in apple orchard at Northwest of Portugal (Abstract) <i>Rodrigues, J. R. & Torres, L. M.</i>	143
Influence of teflubenzuron residues on the predation of thrips by <i>Iphiseius degenerans</i> and <i>Orius laevigatus</i> (Abstract) <i>Scott Brown, A., Simmonds, M. & Blaney, W.</i>	144-145
Study on the side-effects of three pesticides on the predatory mite, <i>Phytoseius plumifer</i> (Canestrini & Fanzago) (Acari: Phytoseiidae) under laboratory conditions <i>Noii, S., Talebi, K., Saboori, A., Allahyari, H., Sabahi, Q. & Ashouri, A.</i>	146-151
<i>Special Topic</i>	
The need for taxonomists of pest and beneficial organisms - results of an inquiry at the meeting of the IOBC working group “Pesticides and Beneficial Organisms” in Berlin in October 2007 <i>Schmitt, G.</i>	152-156