

IOBC/wprs Bulletin Vol. 25(9) 2002

Working Group „Pheromones and other semiochemicals in Integrated control",
Proceedings of the meeting „Pheromones and Other Biological Techniques for
Insect Control in Orchards and Vineyards" at Samos (Greece), 25-29 September,
2000. Edited by: Peter Witzgall, Basilis Mazomenos and Maria Konstantopoulou.
ISBN 92-9067-146-3 [viii + 335 pp.].

Regulatory issues in the commercial development of pheromones and other semiochemicals <i>Iain Weatherston, Robert Stewart</i>	1
Mating disruption of codling moth: a perspective from the Western United States <i>Jay Brunner, Steve Welter, Carrol Calkins, Rick Hilton, Elizabeth Beers, John Dunley, Tom Unruh, Alan Knight, Robert Van Steenwyk, Phil Van Buskirk</i>	11
Use of mating disruption in cotton in North and South America <i>Jack W. Jenkins</i>	21
Area-wide mating disruption for improved control of Oriental fruit moth <i>Grapholita molesta</i> in Victoria, Australia <i>Alexandre L. Il'ichev</i>	27
Evaluation of the mating disruption method for the control of the pink bollworm <i>Pectinophora gossypiella</i> and comparison of this method with insecticidal treatments <i>C. G. Athanassiou, C. Th. Buchelos, N. G. Kavallieratos, A. E. Barbetaki</i>	39
Control of <i>Sparganothis pilleriana</i> and <i>Lobesia botrana</i> in German vineyards using sex pheromone-mediated mating disruption <i>Friedrich Louis, Anne Schmidt-Tiedemann, Karl-Josef Schirra</i>	51
Effects of mating disruption against the Mediterranean corn borer, <i>Sesamia nonagrioides</i> , on the European corn borer <i>Ostrinia nubilalis</i> <i>Matilde Eizaguirre, Albert Sans, Carmen López, Ramon Albajes</i>	59
Mating disruption field trials to control the currant clearwing moth, <i>Synanthedon tipuliformis</i> : a three-year study <i>Alberto Grassi, Matteo Zini, Flavia Forno</i>	69
Can wind tunnels help improve the efficacy of mating disruption? <i>Chris J. Sanders</i>	77
Field EAG measurements of sprayable pheromone for mating disruption of <i>Sesamia nonagrioides</i> <i>Uwe T. Koch, Mathias Ascherl, Martina Weber</i>	85
Methods for reliable measurement of pheromone dispenser performance <i>Uwe T. Koch, Marcus Quasthoff, Marc Klemm, Jürgen Becker</i>	95
Development of aerosol devices for management of codling moth and leafrollers. <i>Alan L. Knight</i>	101
Pheromone mating disruption of the pine sawfly <i>Neodiprion sertifer</i> : is the size of the treated area important? <i>Olle Anderbrant, Erik Hedenström, Hans-Erik Högberg</i>	111
Control of codling moth <i>Cydia pomonella</i> by autosterilisation <i>Pierre-Joseph Charmillot, Didier Pasquier, Dieter Hofer</i>	117
The control of <i>Cydia molesta</i> in stone- and pome-fruit orchards by false-trail following <i>Franco Rama, Franca Reggiori, Piero Cravedi, Fabio Molinari</i>	121
Control of codling moth by attract and kill <i>Claudio Ioriatti, Gino Angeli</i>	129
Attract and kill of the olive fruit fly <i>Bactrocera oleae</i> in Greece as a part of an integrated control system <i>Basilios E. Mazomenos, Anastasia Pantazi-Mazomenou, Dimitra Stefanou</i>	137
Alternative methods for controlling the olive fly, <i>Bactrocera oleae</i> , involving semiochemicals <i>Alfonso Montiel Bueno, Owen Jones</i>	147
The use of geostatistics and GIS as tools for analyzing pheromone trap data at a landscape level: an update <i>D. Barry Lyons, Chris J. Sanders, Gene C. Jones</i>	157
Juvenile hormone: action in regulation of sexual maturity in Caribbean fruit flies and potential use in improving efficacy of sterile insect control technique for tephritid fruit flies <i>Peter E. A. Teal, Yeudiel Gomez-Simuta</i>	167
Effectiveness of a pheromone-baited multi-Lasiotrap in surveying and mass trapping of the tobacco beetle in Greek stores <i>C. G. Athanassiou, C. Th. Buchelos</i>	181
Predicting the efficacy of modified modes of action of a pheromone-based attracticide: a bisexual attractant and autosterilisation <i>Roel P.J. Potting, Alan L. Knight</i>	187
Eco-Trap: efficient tool for the control of the olive fruit fly <i>Bactrocera oleae</i> in the Mediterranean area <i>Nikitas Ragoussis</i>	195
Female calling behaviour and male response to the synthetic sex pheromone components of <i>Palpita unionalis</i> <i>Basilios E. Mazomenos, Maria Konstantopoulou, Dimitra Stefanou, Spiros Skareas, Leonidas C. Tzeiranakis</i>	203
Sex pheromone and analogs of the citrus mealybug, <i>Planococcus citri</i> : synthesis and biological activity <i>Ezra Dunkelblum, Anat Zada, Shmuel Gross, Polina Fraistat, Zvi Mendel</i>	213
Sexual behavior of the <i>Maladera matrida</i> male beetle as affected by female cuticular components <i>Lily Falach, Arnon Shani</i>	221
Identification of pheromone of the greater wax moth <i>Galleria mellonella</i> from the different regions of Russia <i>K.V. Lebedeva, N.V. Vendilo, V.L. Ponomarev, V.A. Pletnev, D.B. Mitroshin</i>	229
On the origin of pine sawflies caught in pheromone traps <i>Fredrik Östrand, Olle Anderbrant</i>	233

Pentatomid bug pheromones in IPM: possible applications and limitations <i>J. G. Millar, H. L. McBrien, H.-Y. Ho, R. E. Rice, E. Cullen, F. G. Zalom, A. Üökl</i>	241
Volatile chemicals released by pentatomid bugs having a kairomonal effect on <i>Trissolcus basalís</i> : their role on host specificity and prospects for IPM <i>Gianandrea Salerno, Eric Conti, Stefano Colazza, Ezio Peri, Ferdinando Bin</i>	251
Aggregation pheromone of the almond bark beetle <i>Scolytus amygdali</i> <i>S. Ben-Yehuda, T. Tolasch, W. Francke, R. Gries, G. Gries, D. Dunkelblum, Z. Mendel</i>	259
Responses of <i>Aphytis chilensis</i> to the synthetic sex pheromone of the Oleander scale <i>M. Lo Pinto, P. Lo Bue, E. Peri, A. Agrò, G. Liotta, S. Colazza</i>	271
Females sex pheromone of oleander scale: quantitative aspects of its production and release <i>E. Peri, S. Colazza, F. Saiano, S. Ramirez, G. Alonzo</i>	277
Applied research of ecochemicals in Estonia <i>E. Mõttus, I. Liblikas, A. Ojarand, S. Kuusik, A.-K. Borg-Karlson, M. Martin, M. Laanmaa</i>	281
Chemical characterisation of corn plant compounds by different extraction techniques and the role of potent chemicals in the reproductive behaviour of the corn stalk borer <i>Sesamia nonagrioides</i> <i>Fragoulis D. Krokos, Maria A. Konstantopoulou, Basilis E. Mazomenos</i>	287
Utilisation des composés alléochimiques des <i>Allium</i> en tant qu'insecticides <i>Jacques Auger, Sébastien Dugravot, Armelle Naudin, Ahmed Abo-Ghali, Dominique Pierre, Eric Thibout</i>	295
Structure-activity relationships of phenolic and nonphenolic aromatic acids as oviposition stimuli for the spruce budworm, <i>Choristoneura fumiferana</i> <i>Gary G. Grant, D. Langevin</i>	307
Laboratory and field evaluation of floral odours from African marigold, <i>Tagetes erecta</i> , and sweet pea, <i>Lathyrus odoratus</i> , as kairomones for the cotton bollworm <i>Helicoverpa armigera</i> <i>Toby Bruce, Alan Cork, David Hall, Ezra Dunkelblum</i>	315
Release rate of ammonia - a key component in the attraction of female mediterranean fruit fly to protein-based food lures <i>M. Mazor, A. Peysakhis, G. Reuven</i>	323
Mating disruption and working group in retrospect <i>Albert K. Minks</i>	329