

**IOBC / WPRS
OILB / SROP**

PROFILE

**Internal Newsletter issued by the Publication Commission for the
IOBC/wprs Council and Executive Committee**

<http://www.iobc-wprs.org>

**International Organization for Biological and Integrated Control of
Noxious Animals and Plants – West Palearctic Regional Section**

ISSUE Nr. 42

January 2007

In this Issue

The Presidents Page	2
IOBC/ WPRS Commissions, Working Groups (including Sub Groups), Study Groups	3
IOBC/wprs Officers and their Addresses	5
WG "Induced Resistance in Plants against Insects and Diseases – Next meeting	10
WG „Integrated Control in Protected Crops, Mediterranean Climate” – Next meeting.....	11
CORE Organic website updated.....	11
WG “Integrated Protection of Stored Products” – Next meeting	12
8th International conference on Controlled Atmosphere and Fumigation in Stored Products.....	12
WG "Insect Pathogens and Insect Parasitic Nematodes – Next meeting.....	14
WG "Integrated Plant Protection in Orchards", SG "Stone Fruits" – Report.....	15
WG "Integrated Control in Citrus Fruit Crops" – Next Meeting	16
WG "Integrated Protection in Oak Forests" – Next Meeting	16
WG "Integrated Plant Protection in Orchards", SG "Pome Fruit Arthropods" – Report.....	17
WG “Integrated Protection of Olive Crops” – 3rd Meeting	19
WG "Multitrophic Interactions in Soil" – Next meeting	20
WG "Pesticides and Beneficial Organisms" – Next Meeting	23
WG "GMOs in Integrated Plant Production" – Next Meeting	24
WG “Pheromones and other Semiochemicals in Integrated Production” – Next Meeting	26
New IOBC/wprs Bulletins, Including Contents.....	26
Other interesting publications brought to attention of Profile	38
IOBC History Book now Available	40
Time-Table of Forthcoming Events.....	41
New: Archives of IOBC/Global and WPRS established.....	43

The Presidents Page

The history of the first 50 years of IOBC has been traced back to the roots thanks to an initiative started by the WPRS in 2005 and brought to a happy end with remarkable support of IOBC Global. The result is a fascinating book published recently as a special issue (see announcement in this Profile). The editors, Ernst F. Boller, Vittorio Delucchi (both honorary members of WPRS) and Joop C. van Lenteren (acting President of IOBC Global) have produced a very valuable document of our Organisation, even more than that, the book is an excellent historical document summarising a great deal of the development in plant protection in Europe and elsewhere over the last 50 years.

Biological control as the initial and still ongoing “core business” of the Organisation was in the early days already complemented with activities on Integrated Pest Management, modestly named at that time ‘Integrated Control’. The book documents that as early as 1959, a Commission on Integrated Control was founded to develop and promote IPM in fruit orchards. It is obvious, and prove is given in the history book, that the principles of IPM and later of Integrated Production (IP) were developed to a great extent under the leadership of WPRS Working Groups and Commissions. At the time when Europe was still a conglomerate of mostly independent countries and the EU was only about to establish, a strong leadership in many fields of plant protection was taken by WPRS and as such, much innovation and impetus was given to plant protection technologies and methods. This is only one of many success-stories depicted in the history book. Another pleasing fact of the book is the photographs showing people in action for IOBC. Many well-known and famous faces look some years younger there, and some are unfortunately not among us anymore. It makes me think that many of today’s plant protection principles and systems were initiated and developed within the frame of IOBC initiatives and we should be proud to have left such traces behind.

Looking backwards to a successful past and esteem the merits gives great satisfaction. A proverb says: Knowing the past enables to plan the future. As we have now documented the past, we should put emphasize to the present and the future. Compared to two decades ago, agricultural and environmental research in Europe and in other WPRS countries is different in many respects. Public research institutes have been closed, core funds of individual institutes cut-down, and more research money is now channelled through the EU and national research programmes in which Networks have become a prominent issue. An increasing number of project networks are now being established with a tendency that less time may be devoted by scientists for activities in other networks, such as working groups of IOBC/WPRS. One of IOBC’s strength, namely networking, is more and more applied by research funding agencies now. Is this a risk or a chance for IOBC/WPRS? I personally believe it is rather a chance, but it certainly is a great challenge for the future. What we need to do is to involve IOBC as a competent partner in such Networks offering science, ‘brain’, innovation, implementation and established networks, such as working groups and commissions. The breadth of activities covered by IOBC/WPRS is so wide that on-going initiatives of IOBC fit well into existing and coming Networks in which working groups would contribute to achieve the goals efficiently. Many among us are already part of existing networks or will become so in the future. Talk about IOBC, make others aware of IOBC/WPRS’ achievements and performance and advocate for IOBC as a partner- this is a challenge and a chance for IOBC.

Franz Bigler

IOBC/ WPRS

Commissions, Working groups, Study groups

January, 2007

Commissions	Convenor	Liaison
Publications	BATHON H. / TIRRY L.	
Determination and identification of entomophagous insects and insect pathogens	BAUR H. / KLEESPIES R.	
Guidelines for integrated production	AVILLA J.	ALBAJES R.
Harmonized regulation of biological control agents	BALE J.	BIGLER F.

Working groups and Sub Groups (SG)

Integrated protection of fruit crops	CROSS J.	SIGSGAARD L.
<i>SG soft fruits</i>	LINDER CHR.	
<i>SG pome fruit arthropods</i>	IORIATTI C. AVILLA J.	
<i>SG IFP guidelines</i>	MALAVOLTA C.	
<i>SG pome fruit diseases</i>	ROSSI V.	
<i>SG stone fruits</i>	MOLINARI F.	
Pesticides and beneficial organisms	VOGT H.	BIGLER F.
Breeding for plant resistance to pests and diseases	BIRCH N.	TIRRY L.
Pheromones and other semiochemicals in integrated production	WITZGALL P.	VOGT. H.
Multitrophic interactions in soil	STEINBERG C.	WHIPPS J.
Integrated protection in viticulture	LOZZIA C.	BLUEMEL S.
<i>SG grape berry moths and chewing insects</i>	THIÉRY D.	
<i>SG mites and sucking insects</i>	MAIXNER M.	
<i>SG fungal and bacterial diseases</i>	CLERJEAU M.	
<i>SG physiological diseases</i>	CLERJEAU M.	
<i>SG side effects of pesticides</i>	SCHIRRA K.J.	
<i>SG practical implementation of integrated control</i>	SENTENAC G.	
<i>SG soil management and weed control</i>	CHANTELOT E.	

Integrated protection in oilseed crops	KOOPMANN B.	EKBOM B.
<i>SG pathology</i>	KOOPMANN B.	
<i>SG entomology</i>	COOK S.	
Integrated protection of field vegetables	COLLIER R.	VIEIRA M.M.
Integrated control in protected crops, temperate climate	ENKEGAARD A.	BESRI M.
Integrated control in protected crops, Mediterranean climate	CASTANE C.	WEINTRAUB P.
Insect pathogens and entomoparasitic nematodes	EHLERS R.	HUBER J.
<i>SG fungi</i>	TKACZUK C.	
<i>SG entomoparasitic nematodes</i>	GLAZER I.	
<i>SG virus</i>	LOPEZ-FERBER M.	
<i>SG soil insect pests</i>	ENKERLI J.	
<i>SG slugs and snails</i>	SYMONDSON W.	
Integrated control of plant pathogens	ELAD Y.	NICOT P.
Integrated protection in oak forest	SOUSA E.M.	VILLEMANT C.
<i>SG fungi</i>	FRANCESCHINI A.	
<i>SG forest management</i>	BENJAMAA M.	
Integrated protection of stored products	NAVARRO S.	WEINTRAUB P.
Integrated protection of olive crops	KALAITZAKI A.	MALATHRAKIS N.
Integrated protection of citrus crops	GARCIA MARI F.	BESRI M.
Induced resistance in plants against insects and diseases	SCHMITT A.	HUBER J.
GMO's in integrated plant production	ROMEIS J.	BIGLER F.
Landscape management for functional biodiversity	POEHLING M. / ROSSING W.	EKBOM B.

Study group

Integrated control of mite pests	WEINTRAUB P.	BLUEMEL S.
----------------------------------	--------------	------------

IOBC/wprs Officers and their Addresses

All Officers are asked to send corrections and additions to this compilation of addresses to the editor of *Profile* and to the treasurer.

1 – Executive Committee

Bigler, Dr. Franz (President), Agroscope FAL Reckenholz, Swiss Federal Research Station for Agroecology and Agriculture, Reckenholzstrasse 191, CH-8046 Zürich (SWITZERLAND), Tel +41-44-3777111, Fax +41-44-3777201,

e-mail: franz.bigler@art.admin.ch, URL: www.reckenholz.ch

Blümel, Dr. Sylvia (Vice-President), Austrian Agency for Health and Food Safety (AGES), Spargelfeldstrasse 191, P.O.Box 400, A-1126 Wien (AUSTRIA), Tel +43-50555-33300, Fax +43-50555-33303,

e-mail: sylvia.bluemel@ages.at

Tirry, Prof. Dr. Luc (Vice-President), Ghent University, Laboratory of Agrozoology, Department of Crop Protection, Coupure Links 653, B-9000 Gent (BELGIUM), Tel +32-9-2646152, Fax +32-9-2646239,

e-mail: luc.tirry@ugent.be

Vogt, Dr. Heidrun (Vice-President), Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Fruit Crops, Schwabenheimer Strasse 101, D-69221 Dossenheim (GERMANY), Tel +49-6221-8680530, Fax +49-6221-8680515,

e-mail: h.vogt@bba.de

Nicot, Dr. Philippe C., INRA, Unité de Pathologie Végétale, Domaine St. Maurice, B.P. 94, F-84143 Montfavet Cedex (FRANCE), Tel +33-432722841, Fax +33-432722842,

e-mail: nicot@avignon.inra.fr

Albajes, Prof. Dr. Ramon (Treasurer), Universitat de Lleida, Centre UdL-IRTA, Rovira Roure, 177, E-25006 Lleida (SPAIN), Tel +34-973-702571 Fax +34-973-238301,

e-mail: ramon.albajes@irta.es

2 – Council

Besri, Prof. Dr. Mohamed, Institut Agronomique et Vétérinaire Hassan II, Département de Phytopathologie, BP 6202, Rabat-Instituts (Marocco), Tel: +212-3777-8364, Fax: +212-3777-8364,

e-mail: m.besri@iav.ac.ma

Ekbom, Prof. Barbara, Swedish University of Agricultural Sciences, Department of Entomology, P.O.Box 7044, SE-750 07 Uppsala (SWEDEN), Tel +46-1867-2625, Fax +46-1867-2890,

e-mail: barbara.ekbom@entom.slu.se

Huber, Dr. Jürg, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt (GERMANY), Tel +49-6151-407220, Fax +49-6151-407290,

e-mail: j.huber@bba.de

Sigsgaard, Dr. Lene, Royal veterinary and Agricultural University, Department of Ecology - Zoological Group, Thorvaldsensvej 40, DK-1871 Frederiksberg C (DENMARK), Tel +45-35282674, Fax +45-35282670,

e-mail: les@kvl.dk

Weintraub, Dr. Phyllis G., Gilat Research Station, Entomology Unit, D.G. Negev 85280 (ISRAEL), Tel +972-8-9928678, Fax +972-8-9926485,
e-mail: phyllisw@volcani.agri.gov.il

Whipps, Prof. Dr. John, Warwick HRI, University of Warwick, Wellesbourne, Warwick CV35 9EF (UK), Tel +44-24-76575084, Fax +44-24-76574500,
e-mail: john.whipps@warwick.ac.uk

Deputy Members

Malathrakis, Dr. Nikolaos, Technological Education Institute, Staouromenos, G-71500 Heraklio (Crete, GREECE), Tel: +30-81-379459, Fax +30-81-411714,
e-mail: nmal@steg.teiher.gr

Vieira, Dr. Maria Margarida, Direcção-Geral de Protecção das Culturas, Quinta do Marquês, P-2780-155 Oeiras (PORTUGAL), Tel: +351-21-4464000, Fax: +351-21-4420616,
e-mail: margaridav@dgpc.min-agricultura.pt

Villemant, Dr. Claire, Museum National d'Histoire Naturelle, Laboratoire d'Entomologie, 45, rue Buffon, F-75005 Paris (FRANCE), Tel +33-1-40793841, Fax +33-1-40793699,
e-mail: villemant@mnhn.fr

3 – Auditing Committee

Adler, Dr. Cornel, BBA, Institute for Stored Product Protection, Königin-Luise-Strasse 19, D-14195 Berlin, Germany, Tel: +49-30-83042503, Fax: +49-30-83042502,
e-mail: c.adler@bba.de, <http://www.bba.de>

Freuler, Dr. Jost A., Station Fédérale de Recherche en, Production végétale de Changins, Route de Duillier, Case postale 254, CH-1260 Nyon, Switzerland, Tel: +41-22-3634383, Fax: +41-22-3634394,
e-mail: jost.freuler@bluewin.ch

Lavadinho, Dr. Antonio Manuel Pereira, Direcção-Geral de Protecção das Culturas, Quinta do Marquês, P-2780 - 155 Oeiras, Portugal, Tel: 351-214464058, Fax: 351-214420616,
e-mail: dgpc@mail.telepac.pt

Rezapana, Dr. Mohammadreza, Biocontrol Control Research Dept, Plant Pests and Diseases Research Institute (PPDRI), Agricultural Research and Education Organization (AREO), P.O. Box: 19395-1454, Velenjak, Tehran, Iran, Tel: +98-21-2420224 / +98-21-2420225, Fax: +98-21-2403691,
e-mail: rezapana@yahoo.com, <http://www.areo.or.ir>

Royle, Dr. David J., East End Stable, Nowhere Lane, Nailsea, Bristol BS48 2PT, UK, Tel: +44-12-75857197

4 – Convenors of the Commissions, Working Groups (their Sub Groups), and Study Groups

Avilla, Dr. Jesús, University of Lleida, Centre UdL-IRTA, Rovira Roure 191, E-25198 Lleida (SPAIN), Tel: +34-973-702581, Fax: +34-973-238301,
e-mail: jesus.avilla@irta.es

Bathon, Dr. Horst, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt (GERMANY), Tel +49-6151-407225, Fax +49-6151-407290,
e-mail: h.bathon@bba.de

Baur, Hannes, Natural History Museum, Department of Invertebrates, Bernastrasse 15, CH-3005 Bern (SWITZERLAND), Tel: +41-31-3507264, Fax +41-31-3507499, e-mail: hannes.baur@nmbe.ch, <http://www.nmbe.ch>

Ben Jamaâ, Mohamed, Institut National de Recherches en Génie Rural, Eaux et Forêts, BP 10, 2080 Ariana-Tunis (TUNISIA), e-mail: benjamaa.lahbib@iresa.agrinet.tn

Birch, Dr. A. Nick, Scottish Crop Research Institute, Invergowrie, Dundee DD2 5DA (Scotland, UK), Tel +44-1382-562731, Fax +44-1382-562426, e-mail: n.birch@scri.sari.ac.uk, <http://www.scri.sari.ac.uk>

Castañé, Dr. Cristina, IRTA, Centre de Cabrils, Carretera de Cabrils s/n, E-08348 Cabrils (Barcelona) (SPAIN), Tel: +34-93-7507511, Fax: +34-93-7533954, e-mail: cristina.castane@irta.es

Chantelot, Éric, ITV France, 19 Rue de Général Foy, F-75008 Paris (FRANCE), e-mail: eric.chantelot@itvfrance.com

Clerjeau, Michel, UMR Santé Végétale INRA-ENITA, Centre de Recherches de Bordeaux, Station de Pathologie Végétale, Av. Edouard Bourleaux, BP 81, F-33883 Villenave d'Ornon Cedex (FRANCE), Tel. +33 6 08095487, Fax +33 5 56843222, e-mail: clerjeau@bordeaux.inra.fr

Collier, Dr. Rosemary, Warwick HRI, The University of Warwick, Wellesbourne, Warwick, CV35 9EF (UNITED KINGDOM), e-mail: rosemary.collier@warwick.ac.uk

Cook, Samantha, Plant and Invertebrate Ecology Division, Rothamsted Research, Harpenden, Hertfordshire, AL5 2JQ (UK), Tel: + 44-1582-763133, e-mail: sam.cook@bbsrc.ac.uk, Web: <http://www.rothamsted.bbsrc.ac.uk>

Cross, Dr. Jerry, Horticulture Research International, East Malling, Kent ME19 6BJ (United Kingdom), Tel: +44-1732-8430833, Fax +44-1732-849067, e-mail: jerry.cross@emr.ac.uk

Ehlers, Prof. Dr. Ralf-Udo, Institute for Phytopathology, Christian-Albrechts-University, Dept. Biotechnology & Biological Control, Hermann-Rodewald-Str. 9, D-24118 Kiel (GERMANY), Tel +49-431-880-4864, Fax +49-431-880-1583, e-mail: ehlers@biotec.uni-kiel.de

Elad, Dr. Yigal, A.R.O. The Volcani Center, Department of Plant Pathology, Bet Dagan 50250 (ISRAEL), Tel +972-3-9683580, Fax +972-3-9683543, e-mail: elady@volcani.agri.gov.il

Enkegaard, Dr. Annie, Danish Institute of Agricultural Sciences, Department of Crop Protection, Research Centre Flakkebjerg, DK-4200 Slagelse (DENMARK), Tel +45-58113300, Fax +45-58113301, e-mail: annie.enkegaard@agrsci.dk

Enkerli, Dr. Jürg, Molecular Ecology, Agroscope FAL Reckenholz, Reckenholzstrasse 191, 8046 Zürich (SWITZERLAND), Tel: +41(0)1-377-7206, Fax: +41(0)1-377-7201, e-mail: juerg.enkerli@art.admin.ch, <http://www.reckenholz.ch>

Franceschini, Dr. Antonio, Dipartimento di Protezione delle Piante, Sezione di Patologia vegetale, Università degli Studi, Facoltà di Agraria, Via E. de Nicola, 9, 07100 Sassari (ITALY), e-mail: afra@uniss.it

Garcia-Mari, Dr. Ferran, Universitat Politècnica de València, Departament Ecosistemes Agroforestals, Entomologia E.T.S. Enginyers Agrònoms, Camí de Vera 14, E-46022 València (SPAIN), Tel +34-638-79250, Fax +34-638-79269, e-mail: fgarciam@eaf.upv.es

Glazer, Dr. Itamar, Agricultural Research Organization, The Volcani Center, P.O.Box 6, Bet Dagan 50250 (ISRAEL), Tel: +972-3-9683334, Fax: +972-3-9604180, e-mail: glazerit@volcani.agri.gov.il

Ioratti, Dr. Claudio, Istituto Agrario San Michele all'Adige, Via Edmondo Mach, 1, 38010 S. Michele all'Adige (TN) (ITALY), Tel: ++39-0461-615111, Fax: ++39-0461-650872, e-mail: claudio.ioriatti@iasma.it

Kalaitzaki, Dr. Argyro, National Agricultural Research Foundation, Institute of Olive Tree and Subtropical Plant of Chania, Agrokipio, G-73200 Chania (GREECE), Tel: +30-28210-83449, Fax: +30-28210-93963, e-mail: argkalaitzaki@yahoo.com

Kleespies, Dr. Regina, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, 64287 Darmstadt (GERMANY), Tel +49-6151-407-226, -240, Fax +49-6151-407290, e-mail: r.kleespies@bba.de, <http://www.bba.de/english/insect-pathogens/insect-pathogens.htm>

Koopman, Dr. Birger, Institute for Plant Pathology and Plant Protection, Grisebachstr. 6, D-37077 Göttingen (GERMANY), Tel +49-551-393776, Fax +49-551-394187, e-mail: bkoopma@gwdg.de

Linder, Christian, Agroscope, RAC Changins, Route de Duillier, CP 1012, CH-1260 Nyon 1 (SWITZERLAND), Tel: +41-22-3634389, Fax: +41-22-3621325, e-mail: christian.linder@rac.admin.ch

Lopez-Ferber, Dr. Miguel, LGEI, Industrial Environment Engineering Center, Ecole des Mines d'Alès, 6 avenue de Clavières, F-30319 Alès Cedex (FRANCE), Tel +33-4-66782704, Fax +33-4-66782701, e-mail: miquellopez@ema.fr

Lozzia, Dr. Carlo, Istituto di Entomologia Agraria, Università degli Studi di Milano, Via Celoria, I-20123 Milano (ITALY), Tel +39-02-23691927, Fax +39-02-26680320, e-mail: lozcar@mailserver.unimi.it

Malavolta, Dr. Carlo, Servizio Produzioni Vegetali, Viale Silvani, 6, I-40122 Bologna (ITALY), Tel +39-051-284654, Fax +39-051-284337, e-mail: cmalavolta@regione.emilia-romagna.it

Maixner, Dr. Michael, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Viticulture, Brüningstr. 84, D-54470 Bernkastel-Kues (GERMANY), Tel +49-6531-9718, Fax +49-6531-4936, e-mail: m.maixner@bba.de

Molinari, Prof. Fabio, Istituto di Entomologia e Patologia Vegetale, Università Cattolica del Sacro Cuore, Via Emilia Parmense, 84, 29100 Piacenza (ITALY), Tel: +39-0523-599236, Fax: +39-0523-599235, e-mail: fabio.molinari@unicatt.it

Navarro, Dr. Shlomo, The Agricultural Research Organization, The Volcani Center, Department of Stored Products, P.O. Box 6, Bet Dagan 50250 (Israel), Tel +972-525787252, Fax: +972-3-5582069, mobile +972-56-220587, e-mail: snavarro@013.net or snavarro@ftic.info

Poehling, Prof. Dr. Hans Michael, University of Hannover, Institute for Plant Pathology and Plant Protection, Herrenhäuser Strasse 2, 30419 Hannover (GERMANY), Tel +49-511-7622641, Fax +49-511-7623015, e-mail: poehling@ipp.uni-hannover.de

Romeis, Dr. Jörg, Agroscope Reckenholz-Tänikon Research Station ART, Biosafety Group, Reckenholzstrasse 191, Postfach, 8046 Zürich (SWITZERLAND), Tel +41-44-3777299, Fax: +41-44-3777201, e-mail: joerg.romeis@art.admin.ch

Rossi, Prof. Vittorio, Istituto di Entomologia e Patologia Vegetale, Università Cattolica del Sacro Cuore, Via Emilia Parmense, 84, I-29100 Piacenza (ITALY), Tel: +39-0523-59923, Fax: +39-0523-599256, e-mail: vittorio.rossi@unicatt.it

Rossing, Dr. Walter A.H., Wageningen University, Biological Farming Systems Group, Marijkeweg 22, NL-6709 PH Wageningen (THE NETHERLANDS), Tel +31-317-478210, Fax ++31-317-478213, e-mail walter.rossing@wur.nl

Schirra, Dr. Karl-Josef, DLR - Rheinpfalz, Dept. Phytomedizin, Breitenweg 71, D-67435 Neustadt/Weinstraße (GERMANY), Tel +49-6321-671350, Fax +49-6321-671387, e-mail: karl-josef.schirra@dlr.rlp.de

Schmitt, Dr. Annegret, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstr. 243, 64287 Darmstadt (GERMANY), Tel +49-6151-407-241, Fax +49-6151-407290, e-mail: a.schmitt@bba.de

Sentenac, Gilles, Centre Technique Interprofessionnel de la Vigne et du Vin, 6 rue de XVI chasseur, F-21200 Beaune (FRANCE), Tel +33-380262383, Fax +33-380262384, e-mail: gilles.sentenac@itvfrance.com

Sousa, Edmundo, Estação Florestal Nacional, Departamento de Protecção Florestal, Avenida da República Quinto do Marquês, P-2780-159 Oeiras (PORTUGAL), e-mail: edmundo.sousa@efn.com.pt

Steinberg, Dr. Christian, INRA, Université de Bourgogne, UMR-Microbiologie et Géochimie des Sols, 17, rue Sully, B.P. 86510, F-21065 Dijon Cedex, (FRANCE), Tel +33/380693050, Fax +33/380693224, e-mail: christian.steinberg@dijon.inra.fr, steinberg@dijon.inra.fr

Symondson, Dr. William O.C., School of Biosciences, Cardiff University, PO Box 915, Cardiff, CF10 3TL (UK), Tel +44-2920-875151, Fax +44-2920-874305, e-mail: symondson@cardiff.ac.uk

Thiéry, Denis, INRA, UMR 1065 Santé Végétale Institut des Sciences de la Vigne et du Vin, UFR 103, BP 81, F-33883 Villenave d'Ornon Cedex (FRANCE), Tel +33-(0)557122639, Fax +33-556843276, e-mail: thiery@bordeaux.inra.fr

Tirry, Prof. Dr. Luc, Ghent University, Laboratory of Agrozoology, Department of Crop Protection, Coupure Links 653, B-9000 Gent (BELGIUM), Tel +32-9-2646152, Fax +32-9-2646239, e-mail: luc.tirry@ugent.be

Tkaczuk, Dr. Cezary, University of Podlasie, Department of Plant Protection, ul. Prusa 14, 08-110 Siedlce (POLAND), e-mail: tkaczuk@ap.siedlce.pl

Vogt, Dr. Heidrun, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Fruit Crops, Schwabenheimer Strasse 101, D-69221 Dossenheim (GERMANY), Tel +49-6221-8680530, Fax +49-6221-8680515, e-mail: h.vogt@bba.de

Weintraub, Dr. Phyllis G., Gilat Research Station, Entomology Unit, D.G. Negev 85280 (ISRAEL), Tel +972-8-9928678, Fax +972-8-9926485, e-mail: phyllisw@volcani.agri.gov.il

Witzgall, Dr. Peter, Swedish University of Agricultural Sciences, Department of Plant Protection Sciences, Box 44, S-23053 Alnarp (SWEDEN), Tel +46-40-415307, Fax +46-40-462166, e-mail: peter.witzgall@vv.slu.se

IOBC/wprs COMMISSIONS AND WORKING GROUPS

Working Group “Induced Resistance in Plants against Insects and Diseases” Meeting in Doorn (The Netherlands), 10-14 May, 2007

From May 10-14, 2007 the International Joint workshop on "**PR-proteins**" and "**Induced Resistance in Plants against Pathogens and Insects**" will be organized in Conference Center "Zonheuvel" in Doorn, The Netherlands. Doorn is a small village located in the woods between Wageningen and Utrecht.

The meeting will be a joint meeting of the IOBC/wprs Working Group “Induced Resistance In Plants Against Insects and Diseases” and the “PR-proteins Workshop”. An explicit aim of the meeting is to promote a multidisciplinary approach to plant-attacker (pathogens and herbivores) interactions, from molecular genetics to ecology. The aim is to bring together scientists that are interested in the responses of plants against various attackers including different types of pathogens and insects, and the workshop will cover fundamental and applied aspects.

There will be sessions on: (1) PR-proteins and inducible resistance, (2) signal-transduction in induced resistance, (3) molecular biology/ecology of induced resistance and (4) application of induced resistance in crop protection. As experts in the different fields the following keynote speakers are invited:

Harro BOUWMEESTER (WUR, Wageningen, The Netherlands)
Ray BRESSAN (Purdue University, USA)
Xinnian DONG (Duke University, Durham, USA)
Silvio GIANINAZZI (INRA/CNRS, Dijon, France)
Bettina HAUSE (LIPB - Halle, Germany)
Gregg HOWE (MSU-Plant Research Lab, East Lansing, USA)
Brigitte MAUCH-MANI (University of Neuchâtel, Switzerland)
Philippe REYMOND (University of Lausanne, Switzerland)
Annegret SCHMITT (BBA Darmstadt, Germany)
Roberto SOLANO (CSIC - Madrid, Spain)
Ted TURLINGS (University of Neuchâtel, Switzerland)
Caroline VON DAHL (Ian Baldwin Lab, MPI-Chemical Ecology, Jena, Germany)

The **deadline for submission of abstracts and for registration** is **February 1, 2007**. For registration and further information see <http://www.bio.uu.nl/~fytopath/PR-IR2007.htm> or contact either Corné PIETERSE (C.M.J.Pieterse@bio.uu.nl), Marcel DICKE (marcel.dicke@wur.nl) or Annegret SCHMITT (a.schmitt@bba.de).

Working Group “Integrated Control in Protected Crops, Mediterranean Climate”, Next meeting in Crete (Greece), 2009

Next meeting of this working group will be organized by our Greek colleagues led by Dr. Dionyssios Perdikis from the University of Athens. The meeting will be held in the spring of 2009 at Mediterranean Agronomic Institute of Chania (MAICh). This is one of the most beautiful cities of Greece which is located at the north-eastern part of Crete (see also <http://www.chania.gr/> <http://www.crete.tournet.gr/> <http://www.info-creta.gr> ,<http://www.creteisland.gr/> <http://www.click.gr/>). The Institute is located 3 km south-east of the city centre and 13 km from the airport. It is well communicated with Athens since there are several flights per day.

In the excursion day we will visit important agricultural areas with protected crops located east of Chania and in Heraklion (central Crete) and possibly also the famous ruins of Knossos, the ancient capital of Crete. I encourage those of you interested in this meeting to keep in mind these dates.

Convenor

Dr. Cristina Castañé
IRTA
Ctra. de Cabrils, Km 2
E-08348 Cabrils (Barcelona), Spain
Tel. +34 93 7507511
Fax: +34 93 7533954
e-mail: Cristina.Castane@irta.es

Local organizer:

Dr. Dionyssios Perdikis
Agricultural University of Athens
Laboratory of Agricultural Zoology and Entomology
Iera Odos 75, 11855, Athens, GREECE
Tel: 0030 210 529 4581
e-mail: dperdikis@aua.gr

CORE Organic website updated

Please note that the CORE Organic website at www.coreorganic.org has been updated with further information on the current call for transnational research in organic food and farming.

New features include a webpage for frequently asked questions. If you have further questions, you are welcome to put these to the contact person at your national funding body. Names of contact persons are also found at the front of the website.

Furthermore, a contact forum has been established at www.organicforum.org. The forum is for researchers who are looking for partners for proposals to the research programme.

Finally, additional information on how to fill out the application forms has been provided.

CORE Organic webmaster

Claus Bo Andreasen" [<ClausBo.Andreasen@agrsci.dk>](mailto:ClausBo.Andreasen@agrsci.dk)

Working Group “Integrated Protection of Stored Products” Next Meeting: Poznań (Poland), August 20-23, 2007

We kindly invite you to participate in the next Conference of the IOBC/WPRS Working Group on the “Integrated Protection of Stored Products” that will be held on:

August 20-23, 2007, organised by the **Institute of Plant Protection, Poznań, Poland**

The objective of this conference is to report on the new research developments in integrated protection of stored products, stressing the non-toxic methods of pest prevention, detection and control.

Details and registration form in **Profile 41: 13-17 (2006)**.

Shlomo Navarro
Convenor

Danuta Sosnowska and Pawel Olejarski
Local Organizers

8th International Conference on Controlled Atmosphere and Fumigation in Stored Products



September 21-26, 2008 – Chengdu, China

Organized by: Storage Professional Branch of CCOA (SPB-CCOA)
Chengdu Grain Storage Research Institute, State Grain Administration (CSR)

Sponsored by: Chinese Cereals and Oils Association (CCOA)

<http://www.caf2008.com>

The International Conference on Controlled Atmosphere and Fumigation in Stored Products (CAF) is the foremost academic conference dealing with research and practical applications of gaseous treatments in stored commodities.

The first conference was an international symposium on controlled atmosphere grain storage, held in Rome, Italy in 1980, and the second one, which included fumigation, was held in Perth, Western Australia in 1983. This second symposium was given the title "International Symposium on Controlled Atmosphere and Fumigation" (CAF). This was followed by Conferences in Singapore (1989), and Winnipeg Canada (1992). Since 1992 the conferences have been held at 4 year intervals. After nearly 30 years of

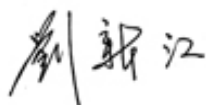
progress in this field, the scope and the worldwide impact of this conference have gradually expanded. Now it has become the major international forum for reporting every four years on the advances in research and development of gaseous treatment for the preservation of stored commodities.

The 8th International Conference on Controlled Atmosphere and Fumigation in Stored Products (CAF2008), will be held in Chengdu known as “Eastern Eden” from 21 to 26 September 2008.

The theme of CAF2008 is: Controlled Atmosphere and Fumigation – Green, Safe, Harmony and Development.

Here, I warmly invite all experts and delegates from different countries to Chengdu, a famous cultural and historical city in P.R. China to participate in the conference. We look forward to promoting development of this field through intellectual communication and cooperation.

Yours sincerely
Liu Xinjiang



Chair, Organizing Committee of CAF2008

Tentative Plenary Sessions

1. Advances in the basic studies on the application of Controlled Atmospheres (CA) and Fumigation
2. Substitutes for Methyl Bromide and replacement technologies
3. Safety of products under CA and Fumigation (effects on quality of stored products), protection of the environment, human health issues
4. Application technologies and safe practices of CA and Fumigation treatments
5. Sealing techniques and CA engineering
6. Effects on insect control and Economic Thresholds (ET)
7. Operation, regulation, and technique standards for CA and Fumigation
8. CA and Fumigation – Insect resistance and management strategies
9. Achievements of CA and Fumigation, and development trends
10. Technology transfer and international cooperation in CA and Fumigation

The deadline for submission of abstract: April 20, 2008

The deadline for submission of full conference paper: June 20, 2008

Registration Fees

<i>Participants from</i>	<i>Delegates from developed countries</i>		<i>Delegates from developing countries</i>	
	<i>Up to June 20, 2008</i>	<i>After June 20, 2008</i>	<i>Up to June 20, 2008</i>	<i>After June 20, 2008</i>
<i>Academy</i>	US\$ 350	US\$ 400	US\$ 250	US\$ 300
<i>Industry</i>	US\$ 400	US\$ 450	US\$ 300	US\$ 350
<i>Students</i>	US\$ 250	US\$ 300	US\$ 150	US\$ 200

Find details of the conference including registration form: <http://www.caf2008.com>

Working Group "Insect Pathogens and Insect Parasitic Nematodes" 11th European Meeting, Alès (France), 4-7 June 2007

On behalf of the International Organization for Biological Control of Noxious Animals and Plants, West Palearctic Regional Section, you are cordially invited to participate in the meeting of the IOBC/WPRS Working Group "Insect Pathogens and Insect Parasitic Nematodes" (Convenor: Ralf-Udo Ehlers) that will be held in Alès, France, in June 2005.

Date:..... 4th – 7th June 2007

Site:..... Campus of the Ecole des Mines d'Alès, Alès, France

Arrival/Registration: 3 June 2005

Departure:..... 7 June 2005

Local Organizer: **Prof. Miguel LOPEZ-FERBER**

Laboratoire de Génie de L'Environnement Industriel, LGEI
6, Avenue de Clavières
30319 Alès, France
Phone: +33 466 782704
Fax: +33 466 782701
E-mail: Miguel.Lopez-Ferber@ema.fr

Accommodation: In hotels in the town of Alès. A shuttle service will be provided. A limited number of student accommodations is available in the Ecole des Mines. Proof of studentship will be required to reserve those rooms.

Travel Information: Alès can be reached by train, road or plane.

The closest main railway station is Nîmes, with direct connections by TGV to major cities Paris, Lyon, Lille. Please consult the French Railway Web Service for the schedules (www.voyages-sncf.com/).

Direct planes fly to and from Nîmes to London Luton, Liverpool and Nottingham airports in UK, and Brussels Charleroy (Ryanair, www.ryanair.com). The closest international airport is Marseille (www.marseille.aeroport.fr/), with connections for all major airplane companies. A shuttle might be provided for the meeting, in function of the arrivals. Would you be interested, please contact us as soon as your travel schedule will be confirmed.

Alès can be reached by road from Nîmes (40 km), Avignon (60km), Montpellier (60 km) or the Central Massif motorway A75.

Location and Facilities:

Alès (<http://www.ville-ales.fr/>, only in French) is located 40 km North of Nîmes, in the border of the well known Cevennes region (<http://www.tourismegard.com>, English, German, Italian, Dutch, Spanish) (<http://www.cevennes-tourisme.fr/>, only in French). The meeting will take place at the Campus of the Ecole des Mines d'Alès, at walking distance from the centre of the town. Beside oral and poster sessions workshops will be organized, using the local laboratory facilities.

The organisation will not make the hotel reservations. You will find all information about hotels, guest houses and camping in the official tourism site (<http://www.cevennes-resa.com/>, in French or <http://www.tourismegard.com/>). Should

you require any other information, please contact us.

Details will be provided with the second announcement.

Scientific and Administrative Secretariat

LGEI,

IOBC meeting organisation

6, Avenue de Clavières

30319 Alès CEDEX, France

Christine Blachère

Phone: +33 466 782769, Fax: +33 466 782701

E-mail: jobcmeeting@ema.fr

Working Group “Integrated Plant Protection in Orchards”, Subgroup “Stone Fruits”, Report of the Meeting in Nimes (France), 2-4 October, 2006

The last meeting was held in Bellegarde, near Nimes (Gard, France) from 2nd to 4th of October, 2006.

Thanks are due to Jean Lichou, Jean François Mandrin, Alain Garcin, Guillaume Lochard, from Centre Technique interprofessionnel des Fruits et Légumes (Ctifl) - Centre de Balandran.

40 researchers and implementers participated in the meeting. They came mainly from France and Italy but we had also participants from Spain, UK, Germany, Croatia, Greece, Turkey, Jordan.

A total of 43 contributions, including four invited presentations and 16 posters were presented.

The invited presentations gave an overview of IPM major problems, followed by some talks on agronomical aspects of IFP. Contributions dealt with pests and diseases in peach, apricot, plum, cherry and almond orchards.

Control means and strategies against pests and diseases, problems to be solved for MD successful application, studies on breeding for resistance of peach to green peach aphid, insecticide resistance in aphid populations and biological aspects of pests and diseases were some of the topics considered.

A group of contributions on fruit flies dealt with different aspects of the control of these important pests. Some “minor pests” as Thrips, Mirids, and xylophagous insects were the subject of other talks. Studies of agroecosystem in stone fruit orchards were also presented.

A field tour brought the participants to visit the fruit area around Balandran and Camargue.

Next meeting of the sub-group will be in 2008, in the frame of the meeting of the working group “Integrated Plant Protection in Orchards”, in a place still to be decided.

Fabio Molinari (SG convenor)

Istituto di Entomologia e Patologia vegetale

Facoltà di Agraria U.C.S.C.

Via Emilia Parmense, 84

29100 Piacenza (Italy)

Tel: +39-0523-599236, Fax: +39-0523-599235

e-mail: fabio.molinari@unicatt.it

Working Group “Integrated Control in Citrus Fruit Crops” Next Meeting, Catania (Italy), 5-7 November, 2007

The IOBC/wprs Working group “Integrated Control in Citrus Fruit Crops”, will meet in Catania (Italy) on 5th-7th November 2007. The meeting is organized by the Dipartimento di Scienze e Tecnologie Fitosanitarie of the University of Catania, Faculty of Agriculture in collaboration with the Assessorato Agricoltura e Foreste – Regione Siciliana and will take place at the facilities of the Faculty of Agriculture, in Catania.

Further information on accommodation, registration fees, instructions for submitting abstracts and final papers, preliminary scientific programme and technical visit will be reported in the **second circular** which will be presented by **January 2007**:

<http://www.iobc-wprs-citruswg.net/>

Looking forward to meeting you in Catania

Gaetano Siscaro (Local organiser, gsiscaro@unict.it)

Ferran Garcia-Mari (Convenor, fgarciam@eaf.upv.es)

Mohamed Besri (Liaison officer, m.besri@iav.ac.ma)

Dr. Ferran Garcia-Mari (Convenor of the Working Group),
Universitat Politècnica de València, Departament Ecosistemes Agroforestals,
Entomologia E.T.S. Enginyers Agrònoms,
Camí de Vera 14,
E-46022 València (SPAIN),
Tel +34-638-79250, Fax +34-638-79269,
e-mail: fgarciam@eaf.upv.es

Working Group “Integrated Protection in Oak Forests” 5th Meeting, Tlemcen (Algeria), 22-25 October 2007

Groupe de Travail “Protection Intégrée des Forêts de chênes”
5ème Séminaire, Tlemcen (Algerie), 22-25 Octobre 2007



**IOBC/WPRS
OILB/SROP**



**University
of Tlemcen**

Depuis 1993, le but principal du Groupe de travail « Protection Intégrée des forêts de chênes » est de promouvoir la recherche multidisciplinaire entre les scientifiques Européens et Nord africains afin d'établir des stratégies collectives de protection et de conservation des forêts de chênes. Apparemment focalisé sur les forêts de chêne-liège, le Groupe s'intéresse aux autres espèces de chênes car elles subissent également l'agression de parasites et de facteurs de déclin identiques.

Les activités de recherche visent à évaluer de dépérissement des forêts de chêne-liège dans le pourtour méditerranéen, et à caractériser les facteurs intervenants ainsi

que leurs interactions complexes. La plupart des thèmes abordés concernent les champignons pathogènes et les insectes déprédateurs mais le Groupe s'intéresse également à la régénération du chêne, la conservation des glands, la production du liège et l'aménagement des forêts. Depuis la création du Groupe, quelques stratégies ont été élaborées pour le contrôle de certains agents biotiques et l'amélioration de l'état physiologique de l'arbre notamment les suberaies, cependant la recherche devrait continuer pour l'étude du phénomène de dépérissement et la caractérisation des facteurs biotiques et abiotiques intervenants.

oooooooooooooooooooooooooooo

Since 1993, the general goal of the working group "*Integrated Protection in Oak forests*" is to promote multidisciplinary research and collective strategies between European and North African scientists in order to improve oak forest integrated protection and conservation. Though mainly on cork-oak forests, the group paid attention to various oak species because they endure several identical pests and decay factors. Research activities attempted to evaluate the decline situation of Mediterranean oak forests and characterize the inducing factors and their complex interactions. The main studies concern pathogenic fungi and insect pests, but attention is also paid to oak regeneration, seed conservation, cork production and forest management. Although several strategies have already succeeded in controlling biotic agents and increasing tree vitality, thus reinvigorating the oak stands, research should continue to study the evolution of the decline phenomena and characterize all the implied biotic and abiotic factors.

Principaux Themes / Mains Subjects

- Phytosanitary status of oak forests
- Decline factors (climatic, biotic, etc.)
- Oak pathogenic fungi and insect pests bio ecology
- Decline factors' dynamic (predicting and modelling)
- Regeneration and seed conservation
- Cork production
- Forest management

Les propositions de participation devront parvenir par e-mail avant le 31 mars 2007 à l'adresse suivante

Participation must be addressed by e-mail before 31 march 2007 to

Rachid Tarik BOUHRAOUA

Département de Foresterie, Faculté des Sciences,

Université de Tlemcen

BP 119 RP Imama, Tlemcen, Algérie

Tél/Fax : + 213 43.20.43.30

e-mail: rtbouhraoua@yahoo.fr or rt_bouhraoua@univ-tlemcen.dz

Edmundo SOUSA

Estação Florestal Nacional,

Departamento de Protecção Florestal,

Quinta do Marquês,

2780-159 Oeiras, Portugal

Fax: + 325.2.14.46.37.02

e-mail: edmundosousa@efn.com.pt

Le coût estimatif du meeting vous sera communiqué ultérieurement. Des droits d'inscription seront perçus le premier jour du meeting.

Estimated fee will be announced shortly. Registration payment will take place on the first day of the meeting.

Integrated Protection in Oak Forests
Protection Intégrée des Forêts de chênes

PROPOSITION DE PARTICIPATION / REGISTRATION FORM

Nom / Name:.....

Prénom(s) / Surname :

Institution :

Adresse / Address:.....

.....

.....

Pays / Country:

Telephone : Fax :

E-mail :

Je veux presenter / I would like to present :

Communication : Poster :

Thème / Subject :

.....

Je veux commander :..... exemplaire(s) des actes du meeting.

I ordermeeting proceedings

**Working Group “Integrated Plant Protection in Orchards”,
Subgroup “Pome Fruit Arthropods”,
Report of the Meeting in Lleida (Spain), September 2006**

The Subgroup “Pome Fruit Arthropods” organized the meeting “Arthropod Pest Problems in Pome Fruit Production”, which took place at Lleida (Spain) in September 2006. More than 65 scientists from 12 European countries and the USA attended and delivered 51 oral and poster presentations.

The meeting was divided into four parts: *Biological Control and Arthropod Biology*, *Behaviour and Behavioural Control*, *Insecticide Resistance* and *Other Topics*. Each main part was ended by a general discussion on the future, constraints and research needs.

Taking into account the number of presentations, codling moth (*Cydia pomonella*)

remains the most important pest in pome fruit production. Many presentations focused on the use of mating disruption for its control, stressing the need to better understand how it works, in order to be able to improve its efficacy, and on the extension of its resistance to pesticides. How to measure resistance was also discussed, as many different methods have been developed and are currently used. A standardization of the methodology was deemed necessary in order to better compare results from different countries.

Conservation biological control was another important topic. Pome fruit orchards are quite stable environments in time and space, and are surrounded by natural vegetation that can be used as ecological infrastructures. The importance of augmenting and conserving important natural enemies affected by pesticide applications, such as earwigs, was pointed out.

The possible use of semiochemicals to control pests other than lepidopterous ones, such as aphids and midges, was also presented and discussed.

The manageable size of the audience facilitated personal interactions, lively discussions at the sessions and, mainly, during coffee breaks in front of the posters. A final techno-recreational journey allowed the participants to visit a couple of orchards, just at harvest time, and an olive mill and museum.

Jesús Avilla
University of Lleida, Centre UdL-IRTA
Rovira Roure 191
25198 Lleida (SPAIN)
Tel: +34-973-702581, Fax: +34-973-238301,
e-mail: jesus.avilla@irta.es

Working Group: “Integrated Protection of Olive Crops” 3rd Meeting in Braganca (Portugal), 10-12 October, 2007

The 3rd meeting of the Working Group will be held in Braganca (Portugal) 10-12 October 2007. Chairperson: Jose Alberto Pereira. CIMO/Escola Superior de Braganca, PO Box 1172, 5301-855 Braganca (Portugal). E-mail: jpereira@ipb.pt, Website address: www.esa.ipb.pt (will be available at the end of January).

Publications

The Proceeding of the 1st European Meeting of the IOBC/WPRS Study Group “Integrated Protection of Olives Crops” that was held in Chania, Greece at May 29-31, 2003 in the Mediterranean Agronomic Institute of Chania (MAICh) was published as IOBC/WPRS Bulletin Vol. 28 (9), 2005.

Full articles of the 2nd Meeting, Florence (Italy), October 26-28, 2005 will be published in the Proceedings in the IOBC/WPRS Bulletin in 2007.

Dr. Kalaitzaki Argyro (Convenor of the Working Group)
(N.AG.RE.F.) Institute of Olive Tree and Subtropical Plants
Department of Entomology and Biological Control
Tel.: +30 28210 83449, Fax: +30 28210 93963
E-mail: argkalaitzaki@yahoo.com

Working Group “Multitrophic Interactions in Soil” 4th Meeting, Dijon (France), 24 – 27 June 2007

Following the meetings on “Multitrophic Interactions in Soil” held in 1999 and 2003 in Bonn-Bad Honnef (Germany) and in 2005 in Wageningen (The Netherlands), we will organize the next meeting in Dijon (France) on the 24-27th June 2007.

Themes of the workshop

The IOBC-meeting ‘Multitrophic Interactions in Soil’ aims at bringing together students, experts, researchers, and industrial companies interested in the biotic component of the functioning of the soil. Many questions will be raised up on a conceptual basis : is there any specific characteristics peculiar to soil microbial and microfaunal ecology making it different from global ecology ?, shall we consider individuals, populations, or functional genes to analyze microbial and microfaunal communities ?, what are the spatio-temporal scales at which multitrophic interactions should be investigated ?, how to transpose observations from the aggregates to the fields?, are the food webs still taken into account when model populations are used?

But also many questions aiming at understanding mechanisms underlying applied researches will be addressed to acquire and increase our knowledge and help us in proposing solutions to maintain or promote soil and plant health. The development of tools needed to tackle the problems should be discussed as well. All these questions concern the kingdoms of fungi, protists, bacteria, nematodes, and insects but also biological control, soil microbiology, soil microbial and microfaunal ecology, molecular ecology, molecular biology.

The meeting in 2007 will focus on findings in these areas of research but no limit is set. Below are some suggestions:

- Spatial and temporal dynamics of soil-borne organisms
- Intra and inter kingdom interactions and food web
- Modeling the nutrient flux and the population dynamics
- Scaling-up from aggregates to field applications
- Management of agricultural practices to suppress diseases
- New methods to study multitrophic interactions and biodiversity in soil
- Registration, legal actions and commercial applications of beneficial organisms

Registration

You will find as an attachment the registration form. Please send it by mail, e-mail or fax to the workshop secretariat before the deadline of May 15th, 2007. We remind you that due to space limitation, attendance at the workshop is limited to 100 persons. Therefore, we may not be able to welcome late registrations.

Given the time table of the meeting, it will not be possible to give everyone the opportunity to give an oral presentation. Therefore, 1 or 2 poster sessions will be organized to enable participants to present their work. Please indicate your choice on the registration form. For both the posters and the oral presentations, a one page abstract should be submitted for all presentations. From the abstracts, the organizing committee will select speakers for short oral communications (15-20 min, discussion included) or poster presentation. Selected authors will be informed regarding the oral/poster presentation assignment, by May 10th, 2007.

Beamers for computer presentations will be available. Participants should bring their presentation on a CD or memory stick. Overhead projectors will only be available upon special request.

Abstracts can be submitted as e-mail attachments preferably in WORD and sent to steinberg@dijon.inra.fr. Please follow the abstract format indicated below :

Abstract format

Paper format: A-4; Line spacing: 1

Margins: Left and right margins – 2.5 cm, upper margin – 3.0 cm; lower margin – 2.5 cm. This results in printing area of 16.0x23.7 cm.

Font: "Times New Roman" or "Times" [Title 15 pt bold, authors (presenting author underlined) 12 pt bold; address(es) one E-mail address and fax 12 pt italics, running text 12 pt] All lines should be flushed left. No hyphenation in the text. Excluding the first paragraph, first line of the paragraphs indented (with a tab command – 0.8 cm and not with spaces) except for the first line of the text. Do not use Standard-Tabstop. Line space before and after the authors line(s) and after the addresses. No longer than one page in total.

To arrange all the necessary details for the scientific of the meeting, please send us the abstract (steinberg@dijon.inra.fr, fax: +33 380 69 32 24) **not later than 1st April 2007**, (and by the way, fill out the questions given in the registration form and send this form back to us **before the 15th May 2007**).

Posters

Two poster sessions should be organized on Monday 25 and Tuesday 26 June. Poster boards are 90 cm in width and 180 cm in height. Pins and adhesives will be provided on the spot.

Proceedings

The meeting proceedings will be published as an IOBC/WPRS Bulletin, which will be available at many libraries. It is a well-established publication for the relatively fast dissemination of short papers in a standard, camera-ready format and on CD. The IOBC/wprs organization will take care of the publishing. Once your abstract is approved for presentation (both oral and poster presentations) in the meeting, you will be asked to prepare a 4-page single-spaced manuscript to be submitted at the very latest during the meeting. Instructions for preparation of the manuscript will be sent to abstract presenters in a separate file. Please carefully follow the instructions in order to avoid later misunderstandings. Note that publication in this bulletin does not preclude subsequent submission of full papers to refereed journals.

Accommodation

Conference site and accomodation: All participants will stay at Hotel IBIS-DIJON-JARDINS de l'ARQUEBUSE which can host up to 120 persons. On the registration form you will have the possibility to fill out your preferred room type (single rooms or double rooms). The conference site is situated in Dijon, close to the pleasant "Botanic Garden of the Jardin de l'Arquebuse" and not far from the famous Lac Kir whose name is probably better known all round the world as an aperitif drink than the lake itself. The conference site provides everything under one roof: the conference room, the poster hall, hotel accommodation, meals, and drinks. It is also located within walking distance from the town centre and from the railway station.

June 24-27 2007

Registration Form

Deadline: May 15, 2007

NAME: FIRST NAME:

INSTITUTION:

ADDRESS:

CITY: ZIP CODE:

COUNTRY:

TELEPHONE: FAX:

E-mail:

Presentation: POSTER ORAL NONE

MEALS AND ACCOMMODATION (prices per person from 24 to 27 June): including accommodation, coffee breaks, all meals, get together and workshop banquet

24-27 June 2007	ROOM TYPE *	PRICE PER PERSON
	Single room	340 Euro
	Double room	290 Euro
	Local participant	185 Euro

Dietary requirements:

vegetarian: yes no
other: (please give details.....) : yes no

Name of roommates (partner or relative):

Subtotal meals and accommodation (1)

*: Additional nights (Bed and Breakfast) should be paid directly to Hotel IBIS upon leaving but can be booked upon request.

REGISTRATION (prices per person): Includes book of abstracts and excursion.
(Accompanying person that do not attend the lectures, do not have to pay the registration fee)

	PRICE PER PERSON
Registration fee	100 Euro
Student registration fee	50 Euro

Subtotal registration fee (2)

TOTAL PARTICIPATION FEE (1+2):

An invoice will be sent to you in upon receiving your registration form
Please detail the address to whom the invoice should be sent :

.....
.....
.....
.....

Modes of payment will be indicated on the invoice

This registration form should be completed and sent before May 15, 2007 either by mail, e-mail or fax to (Late bookings may not be accepted):

Workshop secretariat

Martine Janisz, Christian Steinberg
INRA-CMSE
UMR INRA - Université de Bourgogne
Microbiology of Soils and Environment
17 rue Sully – BP 86510
21065 Dijon Cedex (France)
Fax: +33 380 69 32 24
janisz@dijon.inra.fr, steinberg@dijon.inra.fr,
Tel: +33 380 69 30 40 Tel: +33 380 69 30 50

Further details at: <http://www.dijon.inra.fr/IOBC2007/>

E-mail address for your workshop correspondence: IOBC-workshop@dijon.inra.fr

Working Group “Pesticides and Beneficial Organisms” Next Meeting, Berlin (Germany), 10 – 12 October 2007

The next meeting of the WG will take place from 10 – 12 October 2007 in Berlin. The local organizer is Dr. Barbara Baier, BBA, Institute for Ecotoxicology and Ecochemistry in Plant Protection, Berlin. E-mail: B.Baier@bba.de. More information will be soon available on the IOBC/wprs website. Do not hesitate to contact the WG convenor with any suggestions for the meeting.

As the 10 years period under the actual convenorship is ending in 2008, the Berlin meeting will include the election of a new convenor.

Publication of the WG:

IOBC Bulletin 29 (10) 2006 of the last meeting in Debe, Poland, September 2005

The IOBC Bulletin with the contributions of this meeting has been printed and is ready for distribution to IOBC/wprs members (will be started in January). Please remember that Individual Members only receive it, when it is on their list of choice of Bulletins. Non-members or members from institutes who want a personal copy can acquire it.

For questions, more information as well as suggestions to the WG, please contact:

Dr. Heidrun Vogt (Convenor of the WG)
BBA, Institute for Plant Protection in Fruit Crops
Schwabenheimerstr. 101
D-69221 Dossenheim (Germany)
Tel.: +49(0)6221/8680530, Fax: +49(0)6221/8680515
E-mail: H.Vogt@bba.de

IOBC/wprs Working Group “GMOs in Integrated Plant Production”

The WG aims to present a platform for exchange of research results and to stimulate collaborative projects dealing with genetically modified plants, their integration into IPM systems and their potential impact on the environment. For details on the objectives of the WG see Profile 34.

Special activity on non-target risk assessment and regulation

A special WG activity had been launched during the last WG meeting in Lleida, Spain, in June 2005. The aim is to establish robust science-based risk assessment procedures for transgenic insecticidal crops with particular emphasis on terrestrial non-target arthropods. This initiative involves scientists from diverse institutions including public research institutes, the agricultural biotechnology industry, representatives from regulatory agencies, and a commercial testing laboratory. The group has held its first meeting in Engelberg, Switzerland, from 3-5 May, 2006. The outcome of the activity has been presented at the 9th International Symposium on the Biosafety of Genetically Modified Organisms, 24-29 September 2006, Jeju Island, South Korea. The paper is available at:

http://www.isbr.info/document/9thisbgmo/9th_isbgmo_program.pdf (see Romeis et al.).

The status and future of this activity will be discussed in detail during the next WG meeting.

Next Meeting, Warsaw (Poland), 23-25 May, 2007

The third meeting of the WG “Ecological Impact of Genetically Modified Organisms” will take place from 23-25 May 2007 in Warsaw, Poland. All the meeting sessions and poster presentations will take place at the Ursynow campus of Warsaw Agricultural University (Szkoła Główna Gospodarstwa Wiejskiego – SGGW), ul. Nowoursynowska 166, Warszawa. The Campus is located in southern part of Warsaw

Meeting topics: We welcome contributions on all aspects of GM crop impacts on the environment. Besides oral presentations, there will be ample time for discussions and a separate poster session.

Confirmed keynote speakers

Stefan Malepszy (Warsaw Agricultural University, Poland) – Research, politics and farmers' needs for GM crops in Poland

David A. Bohan (Rothamsted Research, UK) – The impacts of novel management on ecosystem dynamics; tales from the UK farm scale evaluations of GMHT crops

Juan Ferre (Universitat de Valencia, Spain) – Exploring the potential of corn borers to develop resistance to Bt-corn in Europe

Mark Sears (University of Guelph, Canada) – Risk assessment of non-target arthropods: the monarch butterfly and Bt maize pollen – a retrospective view'

In addition, time will be allocated to discuss the outcome of a special activity on “**Non-target risk assessment and regulation**” that was established at the last working group meeting in Lleida (Spain) in 2005.

Submission of contributions

Abstracts should be sent to Joerg Romeis, Convenor of the working group and Chairman of the Programme Committee (Joerg.Romeis@art.admin.ch) with a copy to Zbigniew T. Dabrowski, Chairman of the local organizing committee (zbigniew_dabrowski@sggw.pl).

Deadline for submission of oral and poster presentations: **February 28, 2007**

Programme committee

Joerg Romeis (Chairman; Agroscope Reckenholz-Tänikon ART, Switzerland), **Ramon Albajes** (Universitat de Lleida, Spain), **Detlef Bartsch** (Federal Office of Consumer Protection and Food Safety, Germany), **Franz Bigler** (Agroscope Reckenholz-Tänikon ART, Switzerland), **Zbigniew T. Dabrowski** (Warsaw Agricultural University, Poland), **Alan Raybould** (Syngenta, UK)

Registration fee

Registration fee is 200 Euros. This fee includes: participation in sessions; book of programme and abstracts; proceedings (IOBC/WPRS Bulletin); coffee breaks; welcome cocktail party, three lunches and a social dinner.

Student fee is 150 Euros (exclusive the proceedings).

Accommodation

There are a total of 22 double rooms at the Ursynow University campus for EURO 50 per room. They will be given preferably to young scientists and students. Conditions are that two persons share a room. We are currently trying to negotiate a discount price with hotels.

Local organizing committee

Prof. Dr. Zbigniew T. Dabrowski – Chairman (info: urgent matters) Email: zbigniew_dabrowski@sggw.pl

Mgr. Halina Skrobacka - Deputy Chairman (publication, abstracts), Email: wiesjutra@poczta.onet.pl (Ref.IOBC_GMO)

Prof. Dr. Malgorzata Kielkiewicz-Szaniawska – Secretary (advise – hotels; info: Warsaw cultural activities), Email: malgorzata_Kielkiewicz@sggw.pl

Dr. Ewa Puchalska – Abstracts (after 1st March 2007), Email: puchalskaewa@poczta.onet.pl

Mgr. Julia Gorecka – (info: poster sessions), Email: juliag2@wp.pl

Mgr. Krzysztof Wozniak – (info: public transport from Warsaw hotels), Email: kristof5op.pl

Details about registration, payment procedure and accommodation will be made available on the meeting's website: <http://iobc-gmo.sggw.pl>

Joerg Romeis (Convenor)
Biosafety Group
Federal Department of Economic Affairs DEA
Agroscope Reckenholz-Tänikon Research Station ART
Reckenholzstr. 191, 8046 Zurich, Switzerland
Tel.: +41-(0)44-377 72 99
Fax: +41-(0)44-377 72 01
E-mail: joerg.romeis@art.admin.ch

Working Group “Pheromones and other Semiochemicals in Integrated Production”

Next Meeting, Lund (Sweden), 9-14 September, 2007

You are cordially invited to join the next Working Group meeting in Lund (Sweden), September 9-14, 2007 "Carl Linnaeus – 300 Years". Our meetings cover the biology and chemistry of behavior-modifying chemicals of plant and insect origin, and their practical use in insect control. The focus of the 2007 event is on above- and underground plant signals.

Information on the Lund meeting, including sessions and keynote speakers, will be regularly updated at <http://phero.net/iobc>

It's been a while since the e-mail directory of the Working Group has been updated – please pass the word around. There aren't any deadlines, but we aim to have the program ready by June.

With Greetings

Peter Witzgall
SLU
Box 44, 23053 Alnarp (Sweden)
phone +46 (0)40-415307
<http://www.phero.net> <http://www.ice3.se>

New IOBC/wprs Publications

New IOBC/wprs Bulletins

The Publication Commission of the IOBC/wprs has issued the following Bulletins in 2006. For Bull. **29**(1-6), 2006 see *Profile 41*: 25-49 or visit the IOBC/wprs website.

IOBC/wprs Bulletin Vol. **29(7)** 2006

Working Group “Integrated Control in Oilseed Crops” Proceedings of a Meeting at Poznań (Poland), 11-12 October, 2004. Edited by: Birger Koopmann, Samantha Cook, Neal Evans and Bernd Ulber. ISBN 92-9067-190-2 [xvi + 387 pp.].

Dedication	i
Preface	iii
List of participants	v
Contents	xi

GENERAL PAPERS

History, aims, and achievements of the IOBC/wprs Working Group on Integrated Control in Oilseed Crops from 1979-2006 <i>Birger Koopmann, Sam M. Cook, Ingrid H. Williams and Volker H. Paul</i>	3
--	---

Production of oilseeds: Global perspectives

Oilseed crops in Poland – Past and perspectives <i>Jan Krzyżmański</i>	9
---	---

Integrated pest management in oilseed crops in Pakistan <i>Waqas Wakil and Shahbaz Talib Sahi</i>	17
Integrated oilseed rape protection in Belarus <i>Jadviha E. Piluk and Uladimir A. Radaunia</i>	29
The occurrence of bees (Apoidea) on winter oilseed rape crops <i>Maria Kelm and Tomasz Strojny</i>	31
EU-Projects: Current state of research	
The EU project MASTER (Management STRategies for European Rape pests): An update <i>Ingrid H. Williams</i>	39
SECURE – Stem Canker of oilseed rape: Molecular methods and mathematical modeling to deploy durable resistance (QLK5-CT-2002-01813) <i>Neal Evans, Bruce DL Fitt, Frank van den Bosch, Yong-Ju Huang, Stéphane Pietravalle, Maria Eckert, Konstantina Papastamati, Inez Demon, Zbigniew Karolewski, Thierry Rouxel, Marie-Hélène Balesdent, Isabelle Fudal, Lilian Gout, Hortense Brun, Didier Andrivon, Lydia Bousset, Peter Gladders, Xavier Pinochet, Annette Penaud, Malgorzata Jedryczka, Piotr Kachlicki, Anna Stachowiak, Julia Olechnowicz, Anna Podlesna, Ingrid Happestadius, Jan Meyer and Michel Renard</i>	43
Effects of production measures on plant health	
Control of oilseed rape pests during flowering and pod development with combined application of insecticides and fungicides in 2003-2005 <i>Gustaw Seta and Marek Mrówczyński</i>	51
Differential effect of different nitrogen and sulphur fertiliser regimes on plant health and seed quality of winter oilseed rape grown in Poland <i>Czesław Sadowski, Krzysztof Jankowski, Leszek Lenc and Aleksander Lukanowski</i>	59
Effects of mineral fertilisation and crop protection schemes on diseases of winter oilseed rape in Poland <i>Anna Podlesna, Malgorzata Jedryczka and Elżbieta Lewartowska</i>	73
Influence of fertilisation with sulphur, magnesium and boron on the content of glucosinolates and occurrence of <i>Alternaria</i> spp. on seeds of the spring oilseed rape 'Margo' <i>Anna Figas, Aleksander Lukanowski, Lucyna Drozdowska and Czesław Sadowski</i>	81
ENTOMOLOGY PAPERS	
Pest damage to oilseeds – Problems	
Insect problems in European oilseed rape cultivation, and how to deal with them: The OSR farmers' perspective <i>Ingeborg Menzler-Hokkanen, Heikki M.T. Hokkanen, Wolfgang Büchs, Zdzisław Klukowski, Anne Luik, Christer Nilsson, Bernd Ulber and Ingrid H. Williams</i>	91
Damage of registered Polish winter oilseed rape cultivars caused by pests <i>Marek Mrówczyński, Henryk Wachowiak, Czesław Muśnicki, Michał Jodłowski and Stefan Heimann</i>	95
The endangerment of oilseed rape by pests in Poland <i>Feliczyta Walczak and Marek Mrówczyński</i>	97
The influence of glucosinolate content variability in the seeds and green matter of winter rapeseed on the attack by selected pests <i>Eva Plachká, Oldrich Kolovrat and Viktor Vrbovský</i>	99
The damage of seeds and seedlings of winter oilseed rape cultivars caused by <i>Deroceras reticulatum</i> (Müller) (Gastropoda: Pulmonata: Agriolimacidae) and <i>Arion lusitanicus</i> Mabille (Gastropoda: Pulmonata: Arionidae) <i>Tomasz Kaluski and Jan Kozłowski</i>	103
Study of harmful Anthomyiidae in oilseed rape fields with different drilling dates <i>Wolfgang Büchs and Sabine Prescher</i>	109

Pest damage to oilseeds – Solutions (i) Insecticides and issues regarding insecticide resistance

- Efficacy of *Trichogramma chiloensis* (Ishii) and some new synthetic insecticides against *Helicoverpa armigera* (Hübner) in sunflower
Waqas Wakil, Mansoor-ul-Hasan, Shahbaz Talib Sahi and Y.J. Kwon 117
- Subsequent effect of tau-fluvalinate (Maverik) and lambda-cyhalothrin (Karate) pyrethroids on the activity of carabid beetles (Coleoptera: Carabidae) in winter oilseed rape
Zdzisław Klukowski, Jacek P. Twardowski and Malgorzata Irzykiewicz 125
- First steps to analyse pyrethroid resistance of different oilseed rape pests in Germany: An extended abstract
Udo Heimbach, Andreas Müller and Thomas Thieme..... 131
- Resistance of pollen beetle (*Meligethes aeneus* F.) to pyrethroids, chloronicotinyls and organophosphorous insecticides in Poland
Paweł Węgorzek and Joanna Zamojska 135

Pest damage to oilseeds – Solutions (ii) IPM - Manipulating pest behaviour

- Responses of pollen beetles (*Meligethes aeneus*) to conspecific odours
Samantha M. Cook, Darren A. Murray, Nigel P. Watts and Ingrid H. Williams 143
- Responses of pollen beetles (*Meligethes aeneus*) to petal colour
Samantha M. Cook, Matthew P. Skellern, Matthew J. Smith and Ingrid H. Williams ... 151

Pest damage to oilseeds – Solutions (iii) IPM – Predators and parasitoids

- Assessment of staphylinid beetle larvae from oilseed rape flower stands and their influence on pollen beetle larvae
Daniela S. Felsmann and Wolfgang Büchs..... 161
- Oilseed rape pests and their parasitoids in Estonia
Eve Veromann, Anne Luik and Reelika Kevvõi..... 165
- Phenology of parasitoids (Hym., Ichneumonidae-Tersilochinae) of oilseed rape pests in northern Germany from 1995-1997
Bernd Ulber and Olaf Nitzsche..... 173
- Upwind anemotaxis of the parasitoid, *Tersilochus obscurator*, during its migration flights to oilseed rape
Ingrid H. Williams, Hassan Barari and Dave Frearson..... 181
- Phradis morionellus* on *Meligethes aeneus*: Long-term patterns of parasitism and impact on pollen beetle populations in Finland
Heikki M.T. Hokkanen 187
- Adult activity and larval abundance of stem weevils and their parasitoids at different crop densities of oilseed rape
Nadine Neumann and Bernd Ulber 193
- Larval parasitism of *Ceutorhynchus napi* Gyll. and *Ceutorhynchus pallidactylus* (Mrsh.) in plots of different crop density of oilseed rape
Kirsa Fischer and Bernd Ulber 201

Pest damage to oilseeds – Techniques for developing solutions

- Determining the sex of insect pests of oilseed rape for behavioural bioassays
Samantha M. Cook, Nigel P. Watts, Lynda M. Castle and Ingrid H. Williams..... 205
- Rearing and identification of the larval parasitoids of *Psylliodes chrysocephala* and *Ceutorhynchus pallidactylus* from field-collected specimens
Hassan Barari, Samantha M. Cook and Ingrid H. Williams..... 213

PATHOLOGY PAPERS

- OREGIN collection of oilseed rape fungal pathogen isolates managed by a relational database accessible to stakeholders via the Internet
Akinwunmi O. Latunde-Dada, Paul E. Hornby, Nathalie Castells-Brooke, Neal Evans, Bruce D.L. Fitt and Graham J. King 225

Light leaf spot

- Detection of *Pyrenopeziza brassicae* (light leaf spot) infection of winter oilseed rape
*Zbigniew R. Karolewski, Bruce D.L. Fitt, Akinwunmi O. Latunde-Dada,
Neal Evans and Simon J. Foster* 231
- Development of light leaf spot and phoma stem canker on a range of current and
historical oilseed rape cultivars at Rothamsted in 2003/04 and 2004/05 growing
seasons
Katherine Downes, Neal Evans, Elizabeth Pirie and Bruce D.L. Fitt..... 237

Blackleg, stem canker

- Phomadidacte: A computer-aided training program for the severity assessment of
phoma stem canker of oilseed rape
*Jean-Noel Aubertot, Yassine Sohbi, Hortense Brun, Annette Penaud and Forrest
W. Nutter* 247
- Molecular detection of *L. maculans* and *L. biglobosa* spores from Burkard tapes
Anna Stachowiak, Witold Irzykowski and Małgorzata Jędryczka 255
- Distribution and change in *L. maculans* / *L. biglobosa* populations in Poland (2000-
2004)
Małgorzata Jędryczka and Elżbieta Lewartowska..... 257
- Patterns of *Leptosphaeria maculans* / *L. biglobosa* ascospore release in the season
2004/2005 in Poland
*Joanna Kaczmarek, Agnieszka Maczynska, Idalia Kasprzyk, Andrzej
Lewandowski and Małgorzata Jędryczka* 259
- Polymorphisms within *Leptosphaeria maculans* and *Leptosphaeria biglobosa* revealed
with rep-PCR fingerprints
Witold Irzykowski and Małgorzata Jędryczka 265
- Development of a decision support system for control of stem canker of oilseed rape in
Poland
Małgorzata Jędryczka, Joanna Kaczmarek and Jacek Czernichowski 267
- SimMat, a new dynamic module of Blackleg Sporacle for the prediction of
pseudothecia maturation of *L. maculans* / *L. biglobosa* species complex.
Parameterisation and evaluation in Polish conditions
*Jean-Noel Aubertot, Moin U. Salam, Art J. Diggle, Sylwia Dakowska and
Małgorzata Jędryczka* 277
- Prediction of the date of onset of phoma leaf spot epidemics on oilseed rape in the UK
Neal Evans, Andreas Baierl, Peter Gladders, Beth Hall and Bruce D.L. Fitt..... 287
- Studies on the contribution of cultivar resistance to the management of stem canker
(*Leptosphaeria maculans*) in Europe
*Peter Gladders, Hortense Brun, Xavier Pinochet, Małgorzata Jędryczka, Ingrid
Happstadius and Neal Evans* 293
- Controlling the deployment of a new specific resistance Rlm7 to *Leptosphaeria
maculans* in a small production area in the centre of France
Annette Penaud, Emmanuelle Mestries, Gilles Sauzet and Xavier Pinochet..... 301
- Effects of temperature on Rlm6-mediated resistance to *Leptosphaeria maculans* in
Brassica napus
*Yongju Huang, Renhu Liu, Ziqin Li, Neal Evans, Anne-Marie Chèvre, Regine
Delourme, Michel Renard and Bruce D.L. Fitt*..... 307
- In vitro* comparison of fitness of AvrLm1 vs. avrLm1 isolates of *Leptosphaeria
maculans*
Julia Olechnowicz, Marie-Hélène Balesdent and Małgorzata Jędryczka 317
- Detection and quantification of *Leptosphaeria maculans* in the leaf petiole of *Brassica
napus*
Elizabeth Pirie, Akinwunmi Latunde-Dada, Peter Werner and Bruce D.L. Fitt..... 319

Impact of rape stem weevil, <i>Ceutorhynchus napi</i> , on the early stem infections of oilseed rape by <i>Phoma lingam</i> <i>Ulrike Krause, Birger Koopmann and Bernd Ulber</i>	323
The complete-genome sequencing project of <i>Leptosphaeria maculans</i> <i>Marie-Hélène Balesdent, Barbara J. Howlett and Thierry Rouxel</i>	329
Significance of <i>Leptosphaeria maculans</i> and <i>Sclerotinia sclerotiorum</i> incidence of winter rapeseed in the Czech Republic <i>Lenka Odstrcilova and Eva Plachka</i>	331
Sclerotinia stem rot	
Development of a new disease and yield-loss related forecasting model for <i>Sclerotinia sclerotiorum</i> stem rot in winter oilseed rape in Germany <i>Simone Koch, Sarah Dunker, Benno Kleinhenz, Manfred Röhrig, Hans Friesland and Andreas von Tiedemann</i>	335
Petal test – success and disappointments in sclerotinia stem rot forecasting in Poland and China <i>Małgorzata Jedryczka, Piotr Kachlicki and Qiangsheng Li</i>	343
Comparison of results of a petal test and natural infection of oilseed rape with sclerotinia stem rot in Poland <i>Małgorzata Jedryczka, Agata Tekiela and Mariola Glazek</i>	345
Studies on the germination of sclerotia and formation of apothecia of <i>Sclerotinia sclerotiorum</i> <i>Yong Liu and Volker H. Paul</i>	347
Importance of application mode for the efficacy of CONTANS (<i>Coniothyrium minutans</i>) in biocontrol of <i>Sclerotinia sclerotiorum</i> <i>Ibriam Daoud, Katrin Hedke and Andreas von Tiedemann</i>	349
Verticillium	
Verticillium wilt on Brassica oilseed crops <i>Christina Dixelius, Ingrid Happstadius and Gunilla Berg</i>	353
Verticillium wilt in Sweden – Incidence, field scoring and importance <i>Gunilla Berg, Christina Dixelius and Ingrid Happstadius</i>	355
Determination of risk-factors for the occurrence of <i>Verticillium longisporum</i> <i>Holger Kreye, Peter Steinbach, Gerhard A. Wolf</i>	357
<i>Verticillium longisporum</i> in winter oilseed rape - Impact on plant development and yield <i>Sarah Dunker, Harald Keunecke and Andreas von Tiedemann</i>	361
Comparative histological studies on the interaction of <i>Verticillium longisporum</i> and <i>Verticillium dahliae</i> with roots of <i>Brassica napus</i> <i>Christina Eynck, Gisela Grunewaldt- Stöcker, Birger Koopmann, Andreas von Tiedemann</i>	371
Analysis of systemic signals in the xylem of <i>Brassica napus</i> infected with <i>Verticillium longisporum</i> <i>Nadine Riediger, Birger Koopmann, Andres Schützendübel, Petr Karlovsky, Ursula Hettwer, Derek Marsh, Brigitta Angerstein and Andreas von Tiedemann</i>	379
Other diseases	
Consequences of oilseed rape infection with phytoplasma like organisms <i>Michał Starzycki, Eligia Starzycka and Jan Pszczola</i>	383
Effect of temperature on development of lesions caused by <i>Alternaria</i> spp. on leaves of oilseed rape <i>Aneta Gutowska, Paulina Borowczak and Małgorzata Jędryczka</i>	385
The incidence of <i>Alternaria</i> spp. on seeds of chosen population and hybrid oilseed rape cultivars <i>Ewa Jajor and Marek Korbas</i>	387

IOBC/wprs Bulletin Vol. 29(8) 2006

Working Group "Induced Resistance in Plants against Insects and Diseases" Proceedings of a Meeting at Delémont (Switzerland), 2-4 November, 2004. Edited by: Annegret Schmitt, Brigitte Mauch-Mani, Horst Bathon. ISBN 92-9067-191-0 [ix + 96 pp.].

Preface	i
Financial support and donations	iii
Contents	v
List of Participants	vii
Method to study the resistance induced by spraying epiphytic yeast against an insect pest (<i>Cydia pomonella</i> L.) <i>Aude Alaphilippe, Sylvie Derridj, Yigal Elad</i>	1-4
Analysis of early events involved in signalling pathways leading to plant defense responses <i>X. Daire, D. Wendehenne, A. Lebrun-Garcia, M. Bentéjac, A. Pugin</i>	5-7
Apple tree resistance against an insect pest by an elicitor (ASM). Investigations by analyses of the leaf surface metabolites of the tree sites <i>Sylvie Derridj, Alexis Borges</i>	9-13
Investigating the ecology of inducible indirect defence by manipulating plant phenotype and genotype <i>Marcel Dicke, Maaïke Bruinsma, Tibor Bukovinszky, Rieta Gols, Peter W. de Jong, Joop J.A. van Loon, Tjeerd A.L. Snoeren, Si-Jun Zheng</i>	15-23
Cell death or not cell death: two different mechanisms for chitosan and BTH antiviral activity <i>Franco Faoro, Marcello Iriti</i>	25-29
Elucidating the role and regulation of callose in BABA-induced resistance <i>Victor Flors, Jurriaan Ton, Ronald van Doorn, Gabor Jakab, Brigitte Mauch-Mani</i>	31-35
Methods to study the role of individual volatile organic compounds (VOCs) in indirect defenses of plants against herbivorous arthropods <i>Matthias Held, Marco D'Alessandro, Ted C. J. Turlings</i>	37-48
Induced resistance to <i>Fusarium</i> head blight in winter wheat <i>Ingerd Hofgaard, Åshild Ergon, Birgitte Henriksen, Hilde Kolstad, Helge Skinnes, Yalaw Tarkegne, Anne Marte Tronsmo</i>	49-53
Reverse genetic methods in research on induced resistance of grapevine: development of a vector for shRNA production to induce gene silencing <i>Gabor Jakab, Romain Dubresson, Michael Bel, Mollah Md. Hamiduzzaman, Brigitte Mauch-Mani, Jean-Marc Neuhaus</i>	55-60
Combined transcript and metabolite analysis reveals genes involved in spider mite induced volatile formation in cucumber plants <i>Iris F. Kappers, Per Mercke, Francel W.A. Verstappen, Oscar Vorst, Marcel Dicke, Harro J. Bouwmeester</i>	61-67
Induction of resistance against tomato powdery mildew (<i>Leveillula taurica</i>) by <i>Acremonium alternatum</i> <i>A.-M. Kasselaki, M.W. Shaw, N.E. Malathrakis1, J. Haralambous</i>	69-73
Induction of defence related enzymes and systemic resistance by the plant activator acibenzolar-S-methyl in sugar beet against <i>Cercospora beticola</i> Sacc. <i>Simona Marinello, Pier Luigi Burzi, Claudio Cerato, Stefania Galletti, Roberta Roberti</i>	75-78
Control of phytopathogenic bacteria by chitosan <i>Anna Maćkowiak-Sochacka, Henryk Pospieszny</i>	79-84
Induced resistance with extracts of <i>Reynoutria sachalinensis</i> : crucial steps behind the scene <i>Annegret Schmitt</i>	85-90
Silicon as inducer of resistance in tomato against <i>Ralstonia solanacearum</i> <i>Kerstin Wydra, Elie Dannon</i>	91-96

IOBC/wprs Bulletin Vol. 29(10) 2006

Working Group „Pesticides and Beneficial Organisms” Proceedings of a Meeting at Dębe (Poland), 27-30 September, 2005. Edited by: Heidrun Vogt & Kevin Brown. ISBN 92-9067-191-0 [viii + 120 pp.].

Preface	i
List of participants	iii
Protection of beneficial organisms in research and practice in Poland	
<i>Pruszyński, S.</i>	1
Does implementation of a reduced-risk blueberry insect control program enhance biological control?	
<i>Isaacs, R., Mason, K.S., Brewer, M., Noma, T. & O'Neal, M.</i>	7
Harmful and beneficial entomofauna in apple orchards grown under different management systems	
<i>Andreev, R., Olszak, R. & Kutinkova, H.</i>	13
Building a selectivity list of plant protection products on beneficial arthropods in open field: a clear example with potato crop	
<i>Hautier, L., Jansen, J.-P., Mabon, N. & Schiffers, B.</i>	21
Influence of plant protection measures on the carabid fauna of sugar beet and potato fields in Poland	
<i>Nijak, K. & Pruszyński, S.</i>	33
How much precision does a regulatory field study need?	
<i>Brown, K. & Miles, M.</i>	43
The effects of Spinosad on beneficial insects and mites used in integrated pest management systems in greenhouses	
<i>Miles, M.</i>	53
A method to prove long term effects of neonicotinoids on whitefly parasitoids	
<i>Richter, E.</i>	61
Mancozeb: A profile of effects on beneficial and non-target arthropods	
<i>Miles, M.</i>	67
Side effects of insecticides used in cotton and vineyard areas of Aegean Region of Turkey on the green lacewing, <i>Chrysoperla carnea</i> (Steph.) (Neuroptera: Chrysopidae) under semi field conditions	
<i>Güven, B. & Göven, M.A.</i>	81
Effects of botanical insecticides on two natural enemies of importance in Spain: <i>Chrysoperla carnea</i> (Stephens) and <i>Psytalia concolor</i> (Szépligeti)	
<i>Medina, P., Budia, F., González, M., Rodríguez, B., Díaz, A., Huerta, A., Zapata, N. & Viñuela, E.</i>	85
Comparative sensitivity of four ladybird species to five pesticides	
<i>Jansen, J.-P. & Hautier, H.</i>	95
Natural enemies of plum brown scale <i>Parthenolecanium corni</i> Bouché (Homoptera: Coccidae) in plum orchards in the region of Plovdiv	
<i>Arnaudov, V., Olszak, R. & Kutinkova, H.</i>	105
ABSTRACTS	
Consideration of side effects on beneficial organisms during product development in the agrochemicals industry	
<i>Schnorbach, H.J.</i>	113
Effects of Imidacloprid on <i>Poecilus cupreus</i> larvae depending on the mode of application	
<i>Baier, B., Norr, C., Schenke, D. & Scharnhorst, T.</i>	114
Side effects of pesticides on <i>Aphelinus mali</i> and other antagonists of the woolly apple aphid	
<i>Vogt, H. & Ternes, P.</i>	115

Effects of toxins in transgenic crops on natural enemies <i>Dąbrowski, Z.T. & Górecka, J.</i>	116
Influence of the treated media on the residual toxicity of several insecticides to <i>Chrysoperla carnea</i> and <i>Chrysoperla externa</i> in laboratory <i>Contreras, G., Medina, P. & Viñuela, E.</i>	117
Side effects of various pesticides on <i>Feltiella acarisuga</i> <i>Altena, K. & Moerman, E.</i>	118
Side effects of various pesticides on <i>Amblyseius swirskii</i> <i>Vanaclocha Arocas, P., Hoogerbrugge, H. & Moerman, E.</i>	118
Side-effects of IGR on development of an aphid-parasitoid, <i>Aphidius colemani</i> (Hymenoptera: Braconidae) Viereck <i>Juan, D. & Ferré, J. B.</i>	119
The loss of earwig populations in Belgian orchards: testing side-effects on orchard management <i>Gobin, B.</i>	120

IOBC/wprs Bulletin Vol. 29(11) 2006

Working Group "Integrated Protection in Viticulture" Proceedings of a Meeting at Boario Terme (Italy), 20-22 October, 2005. Edited by: Giuseppe Carlo Lozzia. ISBN 92-9067-195-3 [x + 240 pp.].

Editorial	i
List of participants	iii
The role of the I.O.B.C. in modern viticulture. <i>G.C. Lozzia, I.E. Rigamonti</i>	1
The use of know-how on the interaction between grapevine and pests or diseases to improve integrated protection strategies. <i>M. Jermini, C. Gessler, C. Linder</i>	9
Efficacy evaluation of biocontrol agents against downy mildew for copper replacement in organic grapevine production in Europe. <i>S. Dagostin, A. Ferrari, I. Pertot</i>	15
Copper replacement and copper reduction in organic viticulture by the use of biopesticides and new copper formulations. <i>D. Heibertshausen, U. Hofmann, O. Baus-Reichel, B. Berkelmann-Loehnertz</i>	23
Efficacy of salicylic acid against <i>Plasmopara viticola</i> . <i>M. Chovelon</i>	27
Disease dynamics and genetic variability of <i>Plasmopara viticola</i> in three untreated vineyards. <i>B. Loskill, D. Gobbin, B. Berkelmann-Loehnertz, C. Gessler</i>	33
Effects of plant extracts on downy mildew of vine. <i>W. K. Kast, K. Bleyer</i>	37
Development of decision rules for pest vineyard management. <i>L. Delbac, J.M. Brustis, L. Delière, P. Cartolaro, M. Van Helden, D. Thiéry, M. Clerjeau</i>	41
Potential use of biocontrol agents to prevent <i>Plasmopara viticola</i> oospore germination. <i>S. Dagostin, A. Vecchione, L. Zulini, A. Ferrari, D. Gobbin, I. Pertot</i>	43
Genetic diversity of <i>Armillaria mellea</i> in the Rotaliana Plane. <i>D. Gobbin, F. De Luca, I. Pertot</i>	47
Efficacy evaluation of integrated strategies for powdery and downy mildew control in organic viticulture. <i>D. Angeli, L. Maines, I. Pertot</i>	51
Efficacy evaluation and phytotoxicity assessment of copper peptidate on seven grapevine varieties and identification of the potential factors that induced copper damages on leaves. <i>I. Pertot, H.El Bilali, V. Simeone, A. Vecchione, L. Zulini</i>	57

Efficacy evaluation and phytotoxicity assessment of traditional and new copper compounds used in copper reduction strategies in organic viticulture in northern and southern Italy environments. <i>I. Pertot, H.El Bilali, V. Simeone, A. Vecchione, L. Zulini</i>	61
Powdery mildew on grapevine: the date of primary contamination affects disease development on leaves and damage on grape. <i>A. Calonnec, P. Cartolaro, L. Delière, J. Chadoeuf</i>	67
Controlling powdery mildew near harvest. <i>T.J. Wicks, L. Bartlett</i>	75
Effects of fungicides on the germination of <i>Ampelomyces quisqualis</i> AQ10, a biological antagonist of the powdery mildew of the grapevine. <i>W. Schweigkofler</i>	79
Evaluation of new control agents against grapevine powdery mildew under greenhouse conditions. <i>D. Angeli, A. Ferrari, Y. Elad, I. Pertot</i>	83
Colonization of grapevine Powdery mildew cleistothecia by the mycoparasite <i>Ampelomyces quisqualis</i> in Trentino, Italy. <i>D. Angeli, E. Di Marino, E. Mescalchin</i>	89
Observations of Black Dead Arm symptoms in Bordeaux vineyards: evolution of foliar symptoms, localisation of longitudinal necroses, questions, hypotheses. <i>P. Lecomte, G. Darrieutort, A. Defives, G. Louvet, J.M. Liminana, D. Blancard</i>	93
Blackrot on the hybrid <i>vitis</i> cultivar Isabella. <i>C. Gessler, P. Blaise, M. Jermini</i>	95
First detection of <i>Eutypa lata</i> (Pers.:Fr.) Tul. with PCR directly out of grapevine trunks in Germany. <i>P. Schwappach, M. Grimm</i>	103
Do chestnut stakes promote grapevine root rot caused by <i>Armillaria mellea</i> ? <i>S. Prospero, M. Jermini, F. Guidici, D. Rigling</i>	109
Control of esca of grapevine in Italy: what we can learn from past experience in view of an integrated management approach. <i>S. Di Marco, L. Mugnai</i>	113
Investigations on the control of ESCA disease by means of stem injection. <i>B. Loskill, K. Rosswog, E. Kappes, B. Berkelmann-Loehnertz</i>	119
Fungi associated with young vine decline in Portugal: results of nine years surveys. <i>C. Rego, T. Nascimento, A. Cabral, H. Oliveira</i>	123
Esca disease: spore trapping, symptom evolution and incidence in Trentino Region, Italy. <i>L. Michelon, C. Pellegrini, I. Pertot</i>	127
Grape cultivar affects larval and female fitness of the European grapevine moth, <i>Lobesia botrana</i> (Lepidoptera: Tortricidae). <i>D. Thiéry, J. Moreau</i>	131
Parasitoids of <i>Lobesia botrana</i> (Den. & Schiff.) in Tuscany. <i>B. Bagnoli, A. Lucchi</i>	139
Mating disruption for vine moths control in Tuscany: results of 2003 and 2004. <i>B. Bagnoli, A. Lucchi, D. Giotti</i>	143
Mating Disruption in viticulture – Dream or Reality. <i>V. Veronelli</i>	149
Mating disruption for the control of European grapevine moth <i>Lobesia botrana</i> (Den. Et Schiff.) in a plastic film greenhouse table grape vineyard. <i>F. Savino, A. Iodice, V. Veronelli, K. Ogawa, T. Kobayashi</i>	151
Influence of grapevine presence in different ecosystems on the density of <i>Scaphoideus titanus</i> Ball (Homoptera: Cicadellidae). <i>F. Lessio, A. Alma</i>	155
Prediction of the flight of <i>Hyalesthes obsoletus</i> , vector of stolbur phytoplasma, using temperature sums. <i>M. Maixner, M. Langer</i>	161

The role of the soil coverage on the occurrence of occasional ampelophagous planthoppers and leafhoppers in vineyards. <i>V. Mazzoni</i>	167
Planting dog roses – an efficient method to promote mymarid populations in vineyards? <i>S. Böll, P. Schwappach, J.V. Herrmann</i>	175
Surveys of the presence of <i>Hyalesthes obsoletus</i> Signoret (Rhynchota: Cixiidae) and other hoppers in Lombardy (Northern Italy). <i>E. Mazzoni, R. Nicoli Aldini, F. Pavesi, P. Cravedi</i>	183
Preliminary observations on the role of botanical diversity on the presence of egg parasitoids of grape leafhoppers in Northern Italy. <i>I.E. Rigamonti</i>	187
Potential leafhopper and planthopper vectors of phytoplasmas in wine vineyards of the Marche region (Central Italy). <i>P. Riolo, N. Isidoro, L. Nicoletti, F. Riga, S. Nardi, F.A. Marozzi</i>	193
Distribution and sampling methods of soft-scale-insects in vineyards. <i>C. Hoffmann</i>	199
Utilisation of the sexual pheromones of <i>Planococcus ficus</i> and <i>Planococcus citri</i> in vineyards. <i>S. Ortu, A. Cocco, A. Lentini</i>	207
Effects of cover crop management on grape pests in a Mediterranean environment. <i>G. Serra, A. Lentini, M. Verdinelli, G. Delrio</i>	209
Augmentative releases of beneficials in vineyards: factors affecting predatory mite (Acari: Phytoseiidae) persistence in the long-term period. <i>C. Duso, A. Pozzebon, V. Malagnini</i>	215
Faunistic and ecological aspects of spiders (Araneae) on vineyards. <i>R. Addante, C. Pesarini, G. Ranieri</i>	221
Trapping <i>Lobesia botrana</i> females with apple juice: a valuable tool to predict oviposition ? <i>D. Thiéry, P. Rétaud, L. Dumas-Lattaque, R. Féru, A. Xuéreb, F. Bourriau</i>	235

IOBC/wprs Bulletin Vol. 30(1) 2007

Working Group "Insect Pathogens and Insect Parasitic Nematodes". Proceedings of the 10th European Meeting at Locorotondo, Bari (Italy), 23-29 June 2005. Edited by: Bernard Papierok. ISBN 92-9067-196-1 [xxii + 224 pp.].

Preface	i
Contents	iii
List of participants	vii

Insect Parasitic Nematodes

Molecular approaches for diagnostics and phylogenetics of entomopathogenic nematodes: applications and implications for pest management <i>S. Patricia Stock</i>	1-5
Control of codling moth, <i>Cydia pomonella</i> (Lepidoptera: Tortricidae) with nematodes (<i>Steinernema</i> sp. and <i>Heterorhabditis</i> sp.) <i>Markus Züger, Franz Bollhalder, Martin Andermatt</i>	7-11
Effectiveness of entomopathogenic nematodes in the control of sawflies (<i>Hoplocampa brevis</i>) in pear orchards <i>Giovanna Curto, Mauro Boselli, Stefano Vergnani, Alberto Reggiani</i>	13-17
Nematode cryopreservation using a mechanical freezer at –140°C: a preliminary report <i>Tiziana Irdani, Beatrice Carletti, Laura Ambrogioni, Pio Federico Roversi</i>	19-22

Effect of <i>Melolontha melolontha</i> grubs on persistence of entomopathogenic nematodes in soil <i>Jolenta Kowalska</i>	23-26
Effects of UV-B radiation on <i>Steinernema apuliae</i> (Rhabditida: Steinernematidae) <i>Alessandro Viora, Eustachio Tarasco, Michele Poliseo, Oreste Triggiani</i>	27-31
Efficacy and environmental impact of entomopathogenic nematodes used against nut insect pests in some chestnut woods on Etna (Italy) <i>Mirella Clausi, Maria Teresa Vinciguerra</i>	33-37
Incidence of natural infection of the white grub <i>Polyphilla olivieri</i> (Coleoptera: Scarabaeidae) with entomopathogenic nematodes in Iran <i>Jawad Karimi, Aziz Kharazi-pakdel</i>	39-42
Biological characterization of <i>Steinernema apuliae</i> : first contribution <i>Eustachio Tarasco, Oreste Triggiani</i>	43-45
Molecular characterization of Italian EPN strains by RLFP analysis of the ITS region of the ribosomal DNA repeat unit <i>E. Tarasco, A. Susurluk, R.-U. Ehlers, O. Triggiani</i>	47-49
Efficacy of <i>Steinernema carpocapsae</i> against the cockroach <i>Periplaneta australasiae</i> <i>K. Hasselman, A. Peters, D. Hefele, A.-D. Stevens</i>	51-55
Strategies to control woodlice with entomopathogenic nematodes <i>Christine Lentz, Arne Peters</i>	57-61
Entomopathogenic nematodes and forest insects in Italy <i>Eustachio Tarasco, Oreste Triggiani</i>	63-65
Chestnut pest control with entomopathogenic nematodes – prospects and constraints <i>Stefan Kuske, Jürg M. Grunder</i>	67-71
Control of the hazelnut borer, <i>Curculio nucum</i> , with entomopathogenic nematodes <i>Arne Peters, Jean-Paul Sarraquigne, Bernard Blum, Stefan Kuske</i>	73-76
The effect of linearly polarized light on pathogenicity and reproduction in entomopathogenic nematodes <i>Anna Gorczyca, Magdalenaz Jaworska, Hanna Staroszczyk</i>	77-80
Entomopathogenic fungi	
Laboratory trials of microbiological control of <i>Agelastica alni</i> L. with <i>Beauveria bassiana</i> (Bals.) Vuill. <i>Pietro Rumine, Valeria Francardi, Jacopo de Silva</i>	83-85
Entomopathogenic fungi isolated from various substrates in Italian pine woods <i>Pietro Rumine, Giuseppe Del Frate, Valeria Francardi, Gian Paolo Barzanti</i>	87-89
Does <i>Beauveria</i> spp. produce toxins after application when the product is present at the crop? <i>Hermann Strasser, Barbara Pernfuss, Christoph Seger</i>	91-94
Intraguild interactions involving the entomopathogenic fungus <i>Pandora neoaphidis</i> <i>Jason Baverstock, Peter G. Alderson, Judith K. Pell</i>	95-98
Molecular tools to study natural occurrence, ecology and phylogeny of Entomophthorales <i>Annette B. Jensen, Anselme Fournier, Franco Widmer, Siegfried Keller, Jørgen Eilenberg, Jürg Enkerli</i>	99-105
Development of a new cultivation independent tool for monitoring the <i>Beauveria brongniartii</i> biocontrol agent in the field <i>Jürg Enkerli, Kaspar Schwartzenbach, Siegfried Keller, Franco Widmer</i>	107-110
Fungal BCAs in the European Union: <i>Beauveria brongniartii</i> (Sacc.) Petch as the model organism to address key questions <i>Barbara Pernfuss, Tobias Längle, Roberto Kron-Morelli, Hermann Strasser</i>	111-116
Preliminary survey for insect pathogenic fungi in Greenland <i>Jørgen Eilenberg, Niels Martin Schmidt, Nicolai Vitt Meyling, Christina Wolsted</i>	117-118

Laboratory studies to assess the effect of the fungus <i>Lecanicillium lecanii</i> on the aphid <i>Schizaphis graminum</i> <i>Sonia Ganassi, Pasqualina Grazioso, Antonio Logrieco, Antonio Moretti, Maria Agnese Sabatini</i>	119-123
Visualizing the infection process of the entomopathogenic fungi <i>Beauveria bassiana</i> and <i>Pandora neoaphidis</i> in aphids <i>Anette Jansons Lauritzen, Michael Hansen, Mette Lübeck, Jørgen Eilenberg</i> ...	125-130
Naturally occurring <i>Beauveria bassiana</i> in <i>Hypothenemus hampei</i> populations in unsprayed coffee fields <i>Arnulfo Monzón, Ingeborg Klingen, Falguni Guharay</i>	131-135
Activity and molecular characterization of <i>Metarhizium anisopliae</i> isolates, of potential use for Moroccan locust control <i>Maria Pizza, Pietro Gallone, Serafina Di Gioia, Franco Nigro</i>	137-141
Entomopathogenic fungi in riparian soils of the Ofanto river valley (Apulia region, Italy) <i>Maria Antonia Evelyn Scatigna, Michele Poliseno, Alessandro Viora, Gisbert Zimmermann, Eustachio Tarasco</i>	143-146
Insect pathogenic fungi found in rosy apple aphid (<i>Dysaphis plantaginea</i>) and green apple aphid (<i>Aphis pomi</i>) in Norway <i>Karin Westrum, Ingeborg Klingen</i>	147-149
The effect of medium and selected metal ions on growth of the entomopathogenic fungus <i>Beauveria bassiana</i> <i>Anna Gorczyca, Magdalena Jaworska</i>	151-154
Entomopathogenic fungi found on <i>Ips typographus</i> in Georgia <i>Medea Burjanadze</i>	155-156
Entomopathogenic bacteria	
Researches on entomopathogenic bacteria and applications for fly pest control in a Mediterranean region (Sardinia, Italy) <i>Ignazio Floris, Luca Ruiu, Alberto Satta, Gavino Delrio, David J. Ellar, Salvatore Rubino, Bianca Paglietti, Laura Loru, Marcello Verdinelli</i>	159-163
Microbial control of lepidopterous defoliators in Sardinian cork oak forests <i>Pietro Luciano, Andrea Lentini</i>	165-168
Entomopathogenic viruses	
Comparison of the efficacy of AdorGV and chemical insecticides against the Summer fruit tortrix, <i>Adoxophyes orana</i> , in commercial apple orchards in the Czech Republic <i>František Kocourek, Oldřich Pultar, Jitka Stará</i>	171-176
Evaluation of efficacy of <i>Adoxophyes orana</i> granulovirus on the reduction of <i>Adoxophyes orana</i> populations using PCR <i>Jitka Stará, Dita Bohdanecká, František Kocourek, Oldřich Pultar, Jiban Kumar Kundu</i>	177-180
Codling moth granulovirus: First indication of variations in the susceptibility of local codling moth populations <i>Eva Fritsch, Karin Undorf-Spahn, Jutta Kienzle, Claus P.W. Zebitz, Jürg Huber</i>	181-186
Mixing entomopathogens and insect parasitic nematodes	
Controlling wireworms (<i>Agriotes</i> spp.) in a potato crop with biologicals <i>Albert Ester, Hilfred Huiting</i>	189-196
The peach flatheaded rootborer, <i>Capnodis tenebrionis</i> (L.), and its enemies <i>Pierdomenico Marannino, Enrico de Lillo</i>	197-200
Viability of entomopathogenic microorganisms encapsulated in alginate pellets <i>Pietro Rumine, Gian Paolo Barzanti</i>	201-206
Occurrence of pathogens and parasites in <i>Ips typographus</i> L. from spruce stands (<i>Picea orientalis</i> L.) in Georgia <i>Manana Kereselidze, Rudolf Wegensteiner</i>	207-210

Survival of the spruce bark beetle, <i>Ips typographus</i> , infected with pathogens or parasites <i>Tomás Tonka, Oldřich Pultar, Jaroslav Weiser</i>	211-215
Occurrence of <i>Gregarina typographi</i> (Sporozoa: Gregarinidae) and <i>Metschnikowia</i> cf. <i>typographi</i> (Ascomycota: Metschnikowiaceae) in <i>Ips sexdentatus</i> (Coleoptera: Scolytidae) from Austria <i>Rudolf Wegensteiner, Milan Pernek, Jaroslav Weiser</i>	217-220
Taking biocontrol from laboratory into practice: a case study from Kenya <i>L. Rovestí, H. Limb, A. Owuor</i>	221-224

Individual Members: Important !

Individual members receive the Bulletins produced by **5 Working or Study Groups** of their choice. They may order additional Bulletins by:

Dr. Horst Bathon, Institute for Biological Control
Heinrichstr. 243, 64287 Darmstadt (Germany)
e-mail: h.bathon@bba.de, Fax +49-(0)-6151-407290

The regular prices for the Bulletins are:

- up to 100 pages/Bulletin: 10 € per copy
- up to 300 pages/Bulletin: 15 € per copy
- > 300 pages/Bulletin: 30 € per copy

You can find an **order form for Bulletins** in our website:
www.iobc-wprs.org/pub/index.html

Surface-mail is included. For **air mail within Europe** please add 5 EURO. For **air mail out of Europe**, please add 10 EURO for a **total** of less than 200 pages, 15 EURO for 200-500 pages, and 20 EURO for more than 500 pages.

Other interesting publications brought to attention of Profile

Francis, Ch.A. (2006): Developing and Extending Sustainable Agriculture: A New Social Contract. – 400 pp., Haworth Press Inc., Paperback, US\$ 49.95 (ISBN-10: 1560223324 / ISBN-13: 978-1560223320)

Gibb, T. & C. Oseto (2005): Arthropod Collection and Identification: Laboratory and Field Techniques. – 336 pp., 424 fig., Elsevier (Academic Press), Paperback, € 28.95 (ISBN 0-12-369545-7).

Contents: I. BASIC TOOLS AND GENERAL TECHNIQUES; 1. Equipment and Collecting Methods; 2. Agents for Killing and Preserving; 3. Storage of Specimens; II. CLASSIFICATION OF INSECTS AND MITES; 4. Classification of Insects and Mites; 5. Synopsis of Insect Orders; 6. Description of Hexapod Orders; Summary; Appendix I. Liquid Preservation Formulas; Appendix App II. Mounting Small and Soft Bodied Specimens; App III Directory - State Extension Service Directors and Administrators; App IV. Submitting Specimens for Identification; Glossary; References; Index

Matthews, G.A. (2006): Pesticides: Health, Safety and the Environment. – 248 pp., Leiden, Blackwell Publishing, £ 79.50 [US\$ 159.99] (ISBN 1405130911).

Nentwig, W. (ed., 2007): Biological Invasions. – XXV + 441 pp., 38 illus., Springer (Series: Ecological Studies, Vol. 193), € 160,45 (ISBN-10: 3-540-36919-8; ISBN-13: 978-3-540-36919-6).

Laskowski, R., B. Berg & H. Caswell (eds., 2006): Litter Decomposition: a Guide to Carbon and Nutrient Turnover. – 448 pp., Elsevier (Academic Press), Paperback € 49.95 (ISBN 0-12-373617-X).

Litter Decomposition describes one of the most important processes in the biosphere – the decay of organic matter. It focuses on the decomposition process of foliar litter in the terrestrial systems of boreal and temperate forests due to the greater amount of data from those biomes. The availability of several long-term studies from these forest types allows a more in-depth approach to the later stages of decomposition and humus formation. Differences between the decay of woody matter and foliar litter is discussed in detail and a different pattern for decomposition is introduced.

While teachers and students in more general subjects will find the most basic information on decomposition processes in this book, scientists and graduate students working on decomposition processes will be entirely satisfied with the more detailed information and the overview of the latest publications on the topic as well as the methodological chapter where practical information on methods useful in decomposition studies can be found. Abundant data sets will serve as an excellent aid in teaching process and will be also of interest to researchers specializing in this field as no thorough database exists at the moment.

Pal Singh, H., Batish, D.R. & Kohli, R.K., eds. (2006): Handbook of Sustainable Weed Management. – 892 pp., Haworth Press Inc., Paperback, US\$ 99.95 (ISBN-10: 1560229578 / ISBN-13: 978-1560229575).

Rai, M.K., ed. (2006): Handbook of Microbial Biofertilizers. – 579 pp., Haworth Press Inc., Paperback, US\$ 69.95 (ISBN-10: 1560222700 / ISBN-13: 978-1560222705).

Raman, S. (2006): Agricultural Sustainability: Principles, Processes, and Prospects. – 467 pp., Haworth Press Inc., Paperback, US\$ 69.95 (ISBN-10: 560223111 / ISBN-13: 978-1560223115)

Vidhyasekaran, P. (2006): Handbook of Molecular Technologies in Crop Disease Management. – 595 pp., Haworth Press Inc., Paperback, US\$ 54.95 (ISBN-10: 1560222662 / ISBN-13: 978-1560222668).

Yair Ben-Dov, Y. (2006): A Systematic Catalogue of Eight Scale Insect Families (Hemiptera: Coccoidea) of the World: Acleridae, Asterolecaniidae, Beesoniidae, Carayonemidae, Conchaspidae, Dactylopiidae, Kerriidae and Lecanodiaspididae. – 388 pp., Elsevier (Elsevier Science), Hardcover, € 145.00, (ISBN 0-444-52836-9).

Families covered:

Acleridae – 57 species in 5 genera

Asterolecaniidae – 229 species in 21 genera

Beesoniidae – 15 species in 6 genera

Carayonemidae – 4 species in 4 genera

Conchaspidae – 29 species in 4 genera

Dactylopiidae – 10 species in 1 genus

Kerriidae – 97 species in 9 genera

Lecanodiaspididae – 82 species in 12 genera

This book is a synthesis and catalogue of all the information published on eight families of scale insects (Hemiptera: Coccoidea) worldwide from 1758 to the present. Data is provided on their correct scientific names, common names, synonyms, taxonomy, host plants, distribution, natural enemies, biology, and economic importance.

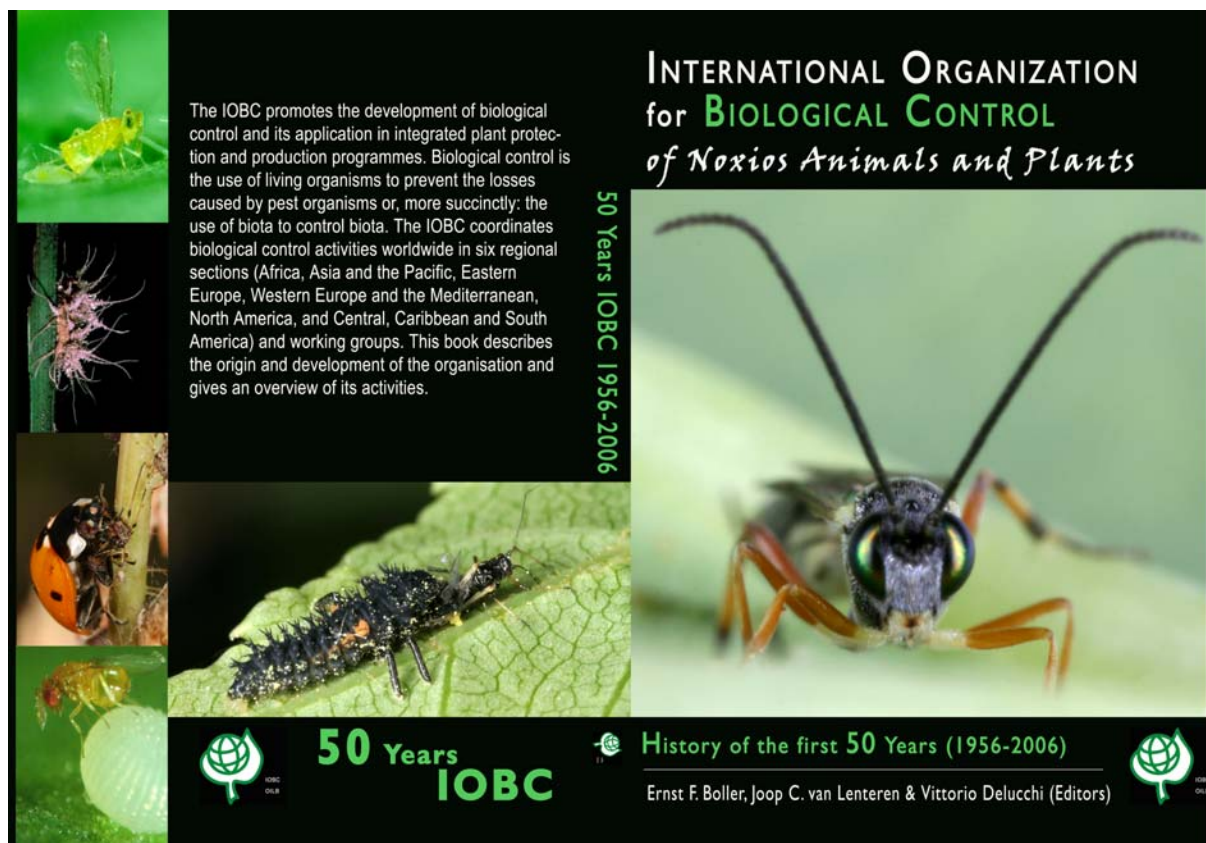
This book will be a valuable compendium of biological and systematic information for zoologists, entomologists, crop protection specialists, quarantine officers, students studying entomology and related disciplines, and others who require information about scale insects for research and control projects.

Yiqi Luo, Y. & X. Zhou (2006): Soil Respiration and the Environment. – 328 pp., Elsevier (Academic Press), Hardcover, € 58.95 (ISBN 0-12-088782-7).

The global environment is constantly changing and our planet is getting warmer at an unprecedented rate. The study of the carbon cycle, and soil respiration, is a very active area of research internationally because of its relationship to climate change. It is crucial for our understanding of ecosystem functions from plot levels to global scales. Although a great deal of literature on soil respiration has been accumulated in the past several years, the material has not yet been synthesized into one place until now. This book synthesizes the already published research findings and presents the fundamentals of this subject. Including information on global carbon cycling, climate changes, ecosystem productivity, crop production, and soil fertility, this book will be of interest to scientists, researchers, and students across many disciplines.

IOBC history book now available

50 years of successful activities in biological control and sustainable agriculture



The IOBC promotes the development of biological control and its application in integrated plant protection and production programmes. Biological control is the use of living organisms to prevent the losses caused by pest organisms or, more succinctly: the use of biota to control biota. The IOBC coordinates biological control activities worldwide in six regional sections (Africa, Asia and the Pacific, Eastern Europe, Western Europe and the Mediterranean, North America, and Central, Caribbean and South America) and working groups. This book describes the origin and development of the organisation and gives an overview of its activities.

50 Years IOBC 1956-2006

INTERNATIONAL ORGANIZATION
for **BIOLOGICAL CONTROL**
of Noxious Animals and Plants

50 Years
IOBC

History of the first 50 Years (1956-2006)
Ernst F. Boller, Joop C. van Lenteren & Vittorio Delucchi (Editors)

The International Organisation for Biological Control (IOBC) celebrates its 50th anniversary. What started in 1956 with the first meeting of European pioneers in biological control evolved into an independent organisation with world-wide activities (www.iobc-global.org). IOBC's expertise covers now all aspects of sustainable crop protection in major annual and perennial crops. To commemorate this milestone, a book on the colourful history of this organisation has been published.

Boller, E.F., J.C. van Lenteren and V. Delucchi (eds.) 2006: International Organization for Biological Control of Noxious Animals and Plants: History of the first 50 Years (1956-2006). – 225 pp., IOBC, Zurich, Switzerland). ISBN 92-9067-194-5.

Members of the IOBC/wprs will get one copy of the book free of charge. Additional copies are available by sending 10 Euro by normal mail to: H. Bathon, Institute for Biological Control, Heinrichstr. 243, 64287 Darmstadt (Germany).

Non-members can order a copy by sending 10 Euro by normal mail to J.C. van Lenteren, Laboratory of Entomology, Wageningen University, POBox 8031, 6700 EH Wageningen (The Netherlands).

Time-Table of forthcoming events

For the Meetings of the IOBC/wprs Working Groups see also the IOBC/wprs website:
<http://www.iobc-wprs.org>

- 12 - 14 March, 2007: 1st Meeting of the IOBC/wprs Study-Group "Integrated Control of Plant Feeding Mites", Jerusalem (Israel). – Dr. Phyllis Weintraub, e-mail: phyllisw@volcani.agri.gov.il
- 23 - 24 March, 2007: Meeting of the IOBC/wprs Executive Committee, Vienna (Austria)
- 10 - 14 May, 2007: International Joint Workshop of the IOBC/wprs Working Group "Induced Resistance In Plants Against Insects and Diseases" and the "PR-proteins Workshop" on "PR-proteins" and "Induced Resistance in Plants against Pathogens and Insects", Doorn (The Netherlands). – www.unine.ch/bota/iobc (button "next meeting") or contact either CORNÉ PIETERSE (C.M.J.Pieterse@bio.uu.nl), MARCEL DICKE (marcel.dicke@wur.nl) or ANNEGRET SCHMITT (a.schmitt@bba.de).
- 22 May, 2007: 59th International Symposium on Crop protection, Ghent (Belgium). – Pieter Spanoghe, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, BE-9000 Ghent (Belgium), Tel +32 (0)92646009, Fax +32 (0)92646249, E-Mail: iscp@ugent.be, www.iscp.ugent.be
- 23 - 25 May, 2007: 3rd Meeting of the IOBC/wprs Working Group "GMOs in Integrated Plant Production", Warsaw (Poland). – Jörg Romeis (WG convenor), Agroscope Reckenholz-Tänikon Research Station ART, Reckenholzstr. 191, 8046 Zurich, Switzerland, Tel.: +41-(0)44-377 72 99, Fax: +41-(0)44-377 72 01, E-Mail: joerg.romeis@art.admin.ch – Zbigniew T. Dabrowski, Chairman of the local organizing committee (zbigniew_dabrowski@sggw.pl). Meetings website: www.iobc-gmo.sggw.pl
- May, 2007: 3rd Meeting of the IOBC/wprs Working Group "Integrated Protection of Olive Crops", Braganca (Portugal). – Local Organizer: JOSE ALBERTO PEREIRA, CIMO/Escola Superior de Braganca, PO Box 1172, 5301-855 Braganca (Portugal), e-mail: jpereira@ipb.pt
- 04 - 07 June, 2007: 11th European Meeting of the IOBC/wprs Working Group „Insect Pathogens and Insect Parasitic Nematodes“, Alès (France). – Local Organizer: Prof. Miguel Lopez-Ferber, Laboratoire de Génie de L'Environnement Industriel (LGEI), 6, Avenue de Clavières, 30319 Alès, France, Tel +33 466 782704, Fax +33 466 782701, E-mail: Miguel.Lopez-Ferber@ema.fr
- 24 - 27 June, 2007: WG "Multitrophic Interactions in Soil", Dijon (France). – Christian Steinberg, INRA-Université de Bourgogne, UMR Microbiologie et Géo chimie des Sols, CMSE, 17 rue Sully - BP 86510, 21065 Dijon Cedex (France), Tel. +33-(0) 380-693050, Fax +33-(0) 380-693224, e-mail: steinberg@dijon.inra.fr (see also pages 20-23 in this issue of Profile).
- 20 - 23 August, 2007: WG "Integrated Protection of Stored Products", Poznań (Poland). – Local Organizing Committee: Dr. Danuta Sosnowska, Department of Biocontrol & Quarantine, Institute of Plant Protection, Poznań (Poland), Tel :+48-61-864-90-73, fFax: +48 61-867-63-01, e-mail: D.Sosnowska@ior.poznan.pl, <http://www.iobc-wprs.org/events/index.html> and snavarro@ftic.info
- 09 - 14 September, 2007: "Carl Linnaeus – 30 Years". Meeting of the IOBC/wprs WG: "Pheromones and other Semiochemicals", Lund (Sweden). – Peter Witzgall, SLU, Box 44, 23053 Alnarp (Sweden), phone +46 (0)40-415307, e-mail: peter.witzgall@vv.slu.se, <http://www.phero.net/iobc>

- 10 - 12 October, 2007: 3rd Meeting of the IOBC/wprs WG: "Integrated Protection of Olive Crops", Braganca (Portugal). – Jose Alberto Pereira, CIMO/Escola Superior de Braganca, PO Box 1172, 5301-855 Braganca (Portugal), e-mail: jpereira@ipb.pt, www.esa.ipb.pt.
- 10 - 12 October, 2007: Meeting of the IOBC/wprs WG "Pesticides and Beneficial Arthropods", Berlin (Germany): – Dr. Heidrun Vogt, BBA, Institute for Plant Protection in Fruit Crops, Schwabenheimerstr. 101, 69221 Dossenheim (Germany), Tel.: +49(0)6221/8680530, Fax: +49(0)6221/8680515, E-mail: H.Vogt@bba.de
- 15 - 18 October, 2007: 16th International Plant Protection Congress in association with the BCPC International Congress - Crop Science & Technology 2007, Glasgow (UK). – md@bcpc.org, <http://www.bcpc.org/>
- 22 - 25 October, 2007: 5th Meeting of the IOBC/wprs WG "Integrated Protection in Oak Forests", Tlemcen (Algeria). – Rachid Tarik Bouhraoua, Département de Foresterie, Faculté des Sciences, Université de Tlemcen, BP 119 RP Imama, Tlemcen, Algérie, Tél/Fax: ++213 / 43.20.43.30, e-mail: rtbouhraoua@yahoo.fr or rt_bouhraoua@univ-tlemcen.dz (See also pages 16-18 in this issue of Profile).
- 05 - 07 November 2007: Meeting of the IOBC/wprs WG "Integrated Control in Citrus Fruit Crops", Catania (Italy). – Prof. Gaetano Siscaro, from the Dipartimento di Scienze e Tecnologie Fitosanitarie, Sez. Entomologia agraria, University of Catania, e-mail: gsiscaro@unict.it
- 22 - 24 November: Council Meeting of IOBC/wprs together with a Convenors meeting

2008

- 17 - 20 February 2008: 1st Symposium on Horticulture in Europe (SHE), Vienna (Austria). – Dr. Gerhard Bedlan, AGES, Institute for Plant Health, Spargelfeldstrasse 191, A-1226 Wien (Austria), Tel ++43 (0) 50555 33330, Fax ++43 (0) 50555 33303, e-mail: service@she2008.eu, Web: www.she2008.eu
- 21 - 25 April, 2008: WG "Integrated Control in Protected Crops, Temperate Climate", Sint Michielsgestel (The Netherlands). – www.ruwenberg.nl; Local organizers: Pierre Ramakers, Marieke van der Staaij, Gerben Messelink: Gerben.Messelink@wur.nl, Applied Plant Research. Jeroen van Schelt, Koppert Biological Systems. WG Convenor: Annie Enkegaard, Danish Institute of Agricultural Sciences, e-mail: annie.enkegaard@agrsci.dk
- 21 - 26 September, 2008: 8th International Conference on Controlled Atmosphere and Fumigation in Stored Products, Chengdu (China). – See pages 12-13 in this issue.
- 2008 WG "Integrated Control in Protected Crops, Temperate Climate", Bleiswijk (The Netherlands). – Local organiser: Pierre Ramakers.

2009

Spring 2009: "Integrated Control in Protected Crops, Mediterranean Climate", Chania (Crete, Greece). – Dr. Dionyssios Perdikis, University of Athens, Tel: 0030 210 529 4581, e-mail: dperdikis@aua.gr

Additional information in the **IOBC-Global Newsletter 80** – October 2006

<http://www.unipa.it/iobc/download/newsletter80.pdf>

New: Archives of IOBC/Global and WPRS established

IOBC/WPRS has not had an archive since its existence. This has changed now. After discussions last year to where an archive could permanently be located we have got a generous offer by Agroscope Changins-Wädenswil ACW to establish our archives in Wädenswil, Switzerland. This deal has become possible thanks to the initiative of our honorary member Ernst Boller who offered generously to act as archivist for the coming years. Thanks a lot, Ernst for this great service to IOBC!

Over the last years it has become obvious that an archive for our organisation is an absolute must, even more so when the permanent secretariat of IOBC/Global in Montpellier was closed. This was a substantial loss since IOBC got a perfect service during 8 years for free. As some WPRS material was shipped from there and stocks were kept in the archive in Montpellier, we had to reorganise our service. A permanent stock of the IOBC/WPRS Bulletins is now in Darmstadt at the BBA and all other material of WPRS and IOBC Global is already or will be stored in Wädenswil.

Franz Bigler, President IOBC/WPRS

What to store in the archive?

- **Documents:** Relevant documents (e.g. protocols of meetings, circular letters to members, correspondance) of Working groups, Commissions, General Assemblies, Council and Executive Committee activities should be stored in the archive. We are especially interested in documents covering the period 1948 – 1971 but also in internal documents of the Working Groups not published in the regular bulletins. In case of doubt about their historic value, send the original materials or good photocopies of it. Since the IOBC archive is organised as a “closed” archive with highly restricted access all documents received and stored will be handled with confidentiality and will not be handed out to third parties without prior consent of the sources and the Executive Committee.
- **Books and brochures**, other than the regular WPRS Bulletins, should be kept in the archive as prove copies.
- **Pictures:** WPRS intends to establish a collection of pictures taken during IOBC events and normally not known and available anymore. These should preferentially be sent as e-mail attachments and digital JPEG copies scanned with 600 dpi. Photos should be accompanied with a short title and/or description of relevant details (e.g. who is on the picture, where and when was picture taken). Where photos cannot be scanned they can be sent to Ernst Boller for scanning and will be returned upon request.

Transferring material to Wädenswil

Please contact Ernst Boller at the address given below if you have a larger volume of documents. He will assist you in the organisation of the proper physical transfer.

Electronic address

All material transmitted electronically should be sent to ernst.boller@acw.admin.ch.

The attachments should not exceed 3 MB per individual e-mail.

Postal address

Dr. Ernst Boller (IOBC)
c/o Swiss Federal Research Station of Horticulture
Agroscope ACW Wädenswil
CH-8820 Wädenswil, Switzerland

IOBC Internet Book of Biological Control – Version 3, March 2006

Edited by: J.C. van Lenteren

This book presents the history, the current state of affairs and the future of biological control in order to show that this control method is sound, and sustainable. Please download:

<http://www.unipa.it/iobc/download/InternetBook3March2006.pdf>

Next Issue of Profile

The summer-issue of Profile (number 43) will be edited in July 2007. Please send your contributions (reports from meetings and announcements for meetings, interesting scientific results, new books and others) for this issue of Profile to me at the latest:

1 July, 2007

but don't hesitate to contact me long before this deadline! Please send Announcements of Meetings as early as possible to the editor of Profile and to our Webmaster, Madeleine Bühler (madeleine.buehler@e-maintenance.ch). Please send your contributions for Profile by e-mail (preferably), on CD or as fax to:

Dr. Horst Bathon
Institute for Biological Control
Heinrichstrasse 243
64287 Darmstadt (Germany)

e-mail: h.bathon@bba.de
Tel +49-6151-407225
Fax +49-6151-407290



www.iobc-wprs.org