



**IOBC / WPRS  
OILB / SROP**

# PROFILE

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

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

At the time of writing this notice it is extremely green all over because of the summer. However, the IOBC/WPRS-shelve in my office is also very green because of incoming WPRS Bulletins. A total of 12 volumes have arrived within only 6 month, the last 4 only a few days ago. Thus the most valuable production is in the best shape.

Let me use this green wave to officially commend the input of participants in Working Group meetings and to thank particularly the Convenors and our Publication Commission and the special Belgian support for their efforts.

Despite this nice feeling of a lush, green WPRS it is also necessary still to kindly remind some of the Convenors about their responsibility for pushing the process to avoid certain WG-meeting papers from being unnecessarily delayed before their arrival as Bulletins.

Having also noticed that number 4 of Vol. 47 of BioControl has just arrived I hope that all members may share the satisfaction of this important side of IOBC.

With the best wishes for the late summer  
and for a good production.

*Peter Esbjerg*

## News from the IOBC/wprs Council Meeting

Zürich (Switzerland), 25-26 January, 2002

The Council of IOBC/wprs met for the first time after the General Assembly in Ascona (Switzerland) to discuss actual questions and fields of activities of the organization in Zürich.

### Working and Study Groups

The main purpose of this meeting was to continue the discussions started at the end of the General Assembly, concerning the fields covered by the Working Groups. Indeed, several remarks were done during the General Assembly asking for a re-definition of the objectives and mandate of the different Working Groups. It was stated that the main objective of IOBC is now the promotion of “integrated production”. Moreover, crop oriented groups, as most of our groups, are probably not the best solution to promote an holistic approach to integrated production.

The council examined the aims and activities of all the groups with the objective to merge several groups together, when it seemed appropriate to better achieve our goal of promoting integrated production methods.

To summarize briefly a quite long and rich discussion, I will present below the main changes that have been decided:

A new study group was formed concerning “**Landscape management for functional biodiversity**” and at the same time it was decided to close the groups “Integrated control in cereals” and “Modelling”. The council thought that some of the members of these groups will join the new study group; a new convenor should be appointed.

A long discussion took place to decide whether or not a group dealing with GMOs was needed inside IOBC/wprs, since such a group already exists in IOBC/Global. The final decision was to create a Study Group “**GMOs in integrated plant production**” since there is a need to address the “side-effects” of GMOs. F. BIGLER will be the convenor of this new group. He also is a member of the GMOs group of the IOBC/Global, thus, there will be a good connection between the two groups (see also p. 12 in this Profile issue).

Following the discussion that already took place in Ascona, it was decided to create a new group “**Multitrophic interactions in soil for integrated plant protection**”. This group will replace the group “soil pests” which, today, consists 3 sub-groups. The sub-groups “**Melolontha**” and “**Slugs**” will be moved to the WG “**Insect pathogens**”, after approval by the respective convenors. R SIKORA will be the convenor of this new group.

As already discussed in Ascona, it was decided to merge the two groups "Stone fruits" and "Orchard" into a new group: "**Integrated protection of fruit crops**". This group does not contain Grapes, Citrus and Olives since these have their own WG or SG.

Three working groups have been without any activity for more than 4 years: Citrus, Olives and Fruit Flies. It was decided to close Fruit Flies, but to renew the WG **Citrus** and WG **Olives** since several council members have proposed names for new convenors. It was decided to appoint two colleagues to organize initial workshops: FERRÁN GARCÍA-MARÍ from Spain for Citrus (see also p. 18) and Mrs KALAITZAKI from Greece for Olives (see also p. 24) in connection with the liaison officers who are M. BESRI and N. MALATHRAKIS, respectively. At the end of these Workshops, the convenors will be elected according to our bye-laws. Current status will be a Study Group for both "**Integrated protection in Citrus**" and "**Integrated protection in Olive**".

There were no further changes regarding the Working Groups. A compilation of the Working and Study Groups together with their convenors is presented on the web site of IOBC/wprs (<http://www.iobc-wprs.org>)

### **Publications**

H. BATHON presented what has been published in 2001. In 2002 over 12 Bulletins will be published. A long discussion was related to the time interval between a meeting and the publication of the corresponding Bulletin. It was suggested to add a paragraph in the Handbook suggesting to the convenors that they set up a small editorial committee to help him/her. **Manuscripts should be delivered at the meeting**, corrections might be possible during a relative short time after the meeting, thus we can expect to have all the manuscripts at the latest one month after the meeting. Very important for a speedy publication of the Bulletins is also that the authors stick to the **Instructions to Authors** and the convenors to the **Instruction for the Convenors**.

Many other subjects dealing with the management of our organization have been discussed during this meeting, which was really busy and fruitful.

Remember to consult our Website which contains a lot of useful information regarding our activities and publications.

C. ALABOUVETTE (General secretary, IOBC/wprs)

**IOBC/ WPRS**  
**Commissions, Working groups, Study groups**  
 January, 2002

<b>Commissions</b>	<b>Convenor</b>	<b>Liaison- Officer</b>
<b>Publications</b>	BATHON H. TIRRY L.	–
Determination and <b>identification</b> of entomophagous insects	BAUR H.	–
<b>Guidelines</b> for integrated production	AVILLA J.	ALBAJES R.

**Working groups**

Integrated protection of <b>fruit crops</b>	CROSS J.	MALAVOLTA C.
Pesticides and <b>beneficial organisms</b>	VOGT H.	BIGLER F.
Breeding for <b>plant resistance</b> to pests and diseases	BIRCH A.	TIRRY L.
<b>Pheromones</b> and other semio-chemicals in integrated production	WITZGALL P.	BATHON H.
<b>Multitrophic interactions</b> in soil	SIKORA R.	KERRY B.
Integrated protection in <b>viticulture</b>	LOZZIA C.	GESSLER C.
Integrated protection of <b>oilseed crops</b>	PAUL V.H.	ALABOUVETTE C
Integrated protection of field <b>vegetables</b>	VIDAL S.	ESBJERG P.
Integrated control in <b>protected crops, temperate climate</b>	ENKEGAARD A.	BLUEMEL S.
Integrated control in <b>protected crops, mediterranean climate</b>	MEXIA A.	BLUEMEL S.
<b>Insect pathogens</b> and entomoparasitic nematods	PAPIEROK B.	HUBER J.
Integrated control of fungal and bacterial <b>plant pathogens</b>	ELAD Y.	ALABOUVETTE C.
Integrated protection in <b>oak forests</b>	VILLEMANT.C.	VIEIRA M.M.
Integrated protection of <b>stored products</b>	NAVARRO S.	BATHON H.

<b>Study groups</b>	<b>Convenor</b>	<b>Liaison-Officer</b>
Integrated protection of <b>olive crops</b>	(KALAITZAKI A.)	MALATHRAKIS N.
Integrated protection of <b>citrus crops</b>	(GARCIA-MARI F.)	BESRI M.
<b>Induced resistance</b> in plants against insects and diseases	SCHMITT A.	HUBER J.
<b>GMO's</b> in integrated plant production		BIGLER F.
<b>Landscape management</b> for functional biodiversity	(POEHLING H.M. / ROSSING W.)	VAN LENTEREN J.

## **IOBC/wprs Officers and their Addresses**

There are some marked changes in the addresses of some IOBC/wprs-Officers compared with the list in Profile 32, 2002!

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

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## **IOBC/wprs WORKING AND STUDY GROUPS**

### **Working Group “Integrated Control in Protected Crops, Temperate Climate” Report of the joint WPRS and NRS meeting in Victoria, British Columbia, Canada, 6-9 May 2002**

A joint meeting between the ‘Greenhouse, Nursery, & Ornamental Landscape IPM Working Group’ (IOBC/NRS) and WG ‘Integrated Control in Protected Crops, Temperate Climate’ (IOBC/WPRS – the 11<sup>th</sup> full meeting) took place in May 2002 in Victoria, BC, Canada, organised by Kevin Heinz, Texas A&M University, Texas, and Les Shipp, Agriculture and Agri-Food Canada, Ontario, as co-convenors of the NRS Glasshouse WG, and Annie Enkegaard, convenor of the WPRS Glasshouse WG with the local organisation chaired by David Gillespie, Agriculture and Agri-Food Canada, British Columbia.

The meeting, which was the 2<sup>nd</sup> joint meeting between the two greenhouse groups, was attended by ~125 participants (advisors, scientists, beneficial producers) from 25 countries, including – besides North American and Eastern (Lithuania, Poland, Croatia) and Western European states – New Zealand, Korea, Australia, Morocco, Chile, Israel, and Japan. The meeting has further strengthened the contact and cooperation between the 2 groups themselves and between these groups and people working with similar topics in other parts of the World.

The meeting followed the structure from previous meetings – without numerous strict presentations but instead seeking to provide room for vivid discussions by having sessions in which moderators and introductory speakers gave brief outlines of the state of the art and/or short presentations of recent work – hereby setting the scene for discussions and exchange of viewpoints on common issues. In addition a few keynote speakers were invited to address specific topics. To facilitate discussions the Bulletin containing the preceedings of the meeting was, as usual, compiled and distributed to participants well in advance of the meeting. The Bulletin (Enkegaard, A. (ed.). Integrated Control in Protected Crops, Temperate Climate, IOBC/wprs Bulletin 25(1), 2002, pp. 308) containing 74 contributions by ~150 authors representing 26 countries lived up to its previous standards. Abstracts of the Bulletin articles can be found on

<http://www.agrsci.dk/plb/iobc/Abstracts-compiled.doc>

The mixture of concurrent and plenary sessions dealt with topics like microbial control of pests and diseases; intraguild predation; quality control of beneficials; the biotechnology revolution and its impact on IPM in greenhouses; invasive species; biological and integrated control of thrips, whiteflies, aphids, mites, leafminers etc.; biological control in vegetables and in ornamentals; environmental risks of biocontrol; regulation of biocontrol agents. An full day excursion to the important greenhouse-growing area in the Fraser Valley on the mainland of British Columbia with visits to a number of premises implementing biological and integrated control gave the opportunity to learn more about the practical use of IPM in this area as well as to enjoy the breathtaking British Columbian landscape. As always, the excursion further stimulated discussions and exchange of information and experiences among the participants. Summaries from the sessions can be found in Sting 24, which will be issued around August 2002. When issued, a net version of Sting 24 will be available on the WPRS-WG homepage

[http://www.agrsci.dk/plb/iobc/iobc\\_home.htm](http://www.agrsci.dk/plb/iobc/iobc_home.htm)

Finally it may be added that the organisers – as something new for the groups – created a student award in the form of a contest between Master and PhD students to deliver the best manuscript for the Bulletin. With this award we wished to recognise the contributions from the new generations of greenhouse IPM workers. The price of the contest was a diploma and a partial reimbursement of travel expenses.

A lot of thanks are due to the local organiser Dr. David Gillespie and his team for the excellent organisation. Their tremendous efforts ensured us a scientifically and socially inspiring stay in British Columbia.

The **next meeting of the WG** will be held in **Turku, Finland, 2005**. Local organisers are Irene Vänninen, Jan Hulshof and co-workers, AgriFood Research Finland. Further details will be given in due course on the WG homepage.

For further information about the WG 'Integrated Control in Protected Crops, Temperate Climate' please contact:

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## **New IOBC/wprs Study Group “Non-Target Effects of Genetically Modified Organisms”**

At the meeting in January 2002, the Council of IOBC/wprs has decided to establish a Study Group on ‘Non-Target Effects of Genetically Modified Organisms’.

### **Mission statement**

By the establishment of a Study Group, IOBC/wprs fosters scientific studies, exchange of information and knowledge transfer related to non-target effects of GMOs and its impacts on biological control and integrated production.

A case-by-case impact assessment on non-target organisms based on scientific criteria, will be the baseline for an objective evaluation of the compatibility of GMOs with biological control and integrated production. The management of resistance to GMOs of herbivorous arthropods and diseases is of primary importance in the context of biological control and integrated production and will therefore be considered in this study group.

The development of tools and methods for the impact assessment and risk evaluation of GMOs on non-target organisms will contribute to the judgement of whether GMOs could be used in sustainable agriculture.

Plant engineering for breeding and production of GMO is not a subject of this study group.

### **The objectives of the study group are as follows**

1. Exchange of scientific knowledge on non-target effects of genetically modified plants.
2. Evaluate the compatibility and integration of genetically modified plants with biological control and IPM.
3. Resistance management of the target organisms.
4. Development of methods for testing non-target effects of genetically modified plants.

This Study Group will meet for the first time in November this year (date to be finalized). IOBC members interested to attend this Kick-off meeting should contact:

Jörg Romeis *or* Franz Bigler  
Swiss Federal Research Station for Agroecology and Agriculture (FAL)  
Reckenholzstr. 191  
8046 Zürich, Switzerland  
Tel: +41-1-377 7111, Fax: +41-1-377 7201  
e-mail: joerg.romeis@fal.admin.ch    franz.bigler@fal.admin.ch

## **Working Group „Integrated Control in Oilseed Crops“**

The next meeting of the Working Group „Integrated control in oilseed crops“ will be in the summer 2003. This 11<sup>th</sup> Biannual Meeting will be held in combination with the International Rapeseed Congress in Copenhagen. The local organizers will be Ingrid Williams and Bruce Fitt of IACR-Rothamsted.

The proceedings of the 10<sup>th</sup> meeting have been published in the IOBC/ wprs Bulletin Vol. 25 (2), 2002. This IOBC/wprs Bulletin will be sent to the members of the IOBC and the participating authors of the meeting in Soest in the near future.

### **The Highlights of the last meeting have been:**

#### **– Running Projects**

Members of the working group were working on two main Projects: Through contacts established during the IOBC/wprs Working Group „Integrated control in oilseed crops“ meetings two EU projects have been worked out.

One is the the Project on the “Concerted Action on Biocontrol of Rape Pests” (Boris), which led to a follow up research project titled “Management Strategies for European Rape Pests” (MASTER).

#### **– Future Prospects**

In the general discussion of the last IOBC meeting three aspects have been discussed as being of main importance for oilseed rape in the near future:

##### **a) Verticillium Wilt (*Verticillium dahliae*)**

Verticillium Wilt is a very important disease in the UK. In Germany it has often been mixed up with *Lepthosphaeria maculans* (*Phoma lingam*). With the establishment of an ELISA for *Verticillium*, it has been found in samples from different parts of Germany, that *Verticillium* is present far more often than expected. Therefore, a monitoring of samples from all over Germany should be established. All present members of the IOBC WG have agreed to send samples for this purpose.

##### **b) Stem Rot (*Sclerotinia sclerotiorum*)**

Stem Rot is another very important disease of oilseed rape. So far no variety with resistance against *Sclerotinia* has been established. Therefore, more importance should be placed on the establishment of a biocontrol system against *Sclerotinia*. Some parts of this aspect are currently under investigation in the UK. Here, as well as in our laboratory

at the Universität-GH Paderborn, different antagonists are tested. It is also of interest that one biological active agent (*Conyothrium minitans*) against *Sclerotinia* is on the market in Germany. It is planned to test this organism in our laboratory, under laboratory conditions, in regard to its susceptibility to herbicides and fungicides.

### **c) Biocontrol of insect pests**

As mentioned above, an EU Project has been granted for "Management Strategies for European Rape Pests". One of the aims of this project is to find biocontrol methods for the key species in oilseed rape, especially the cabbage stem flea beetle. Furthermore, it is planned to establish a forecasting system for these key species. In this project different partners from Germany, UK and Poland collaborate.

We are looking forward to our next meeting.

Prof. Dr. V. Paul  
FH Südwestfalen, Hochschule für Technik und Wirtschaft  
FB 9 Agrarwirtschaft, Labor für Biotechnologie und Qualitätssicherung  
Lübecker Ring 2  
D 59494 Soest  
Tel +49/2921/378-214, Fax +49/2921/378-200  
e-mail: paul@fh-swf.de

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## **Working Group "Insect Pathogens and Insect Parasitic Nematodes"**

### ***New profile for the WG***

During his last meeting, held in Zürich, 25-26 January 2002, the IOBC/wprs Council decided:

- to close the Working Group "Integrated Control of Soil Pests",
- to establish a new Working Group entitled "Multitrophic Interactions in Soil", with Richard Sikora as convenor,
- to include the "Melolontha" and "Slugs and Snails" subgroups (with Siegfried Keller and William Symondson as convenors, respectively) into the Working Group "Insect Pathogens and Insect Parasitic Nematodes".

The convenors of the two involved working groups, Richard A. Sikora and Bernard Papierok, gave their approval to these decisions.

### ***Next WG meeting***

The next WG meeting, entitled "Growing Biocontrol Markets Challenge R+D", will take place 24-28 May, 2003, at the Salzau Castle, Kiel, Germany, with Ralf-Udo Ehlers as local organizer.

Contact Information :

Ralf-Udo Ehlers  
Institute for Phytopathology  
Christian-Albrechts-University Kiel  
Klausdorfer Str. 28-36  
24223 Raisdorf (Germany)  
Fax: +49 4307-83 98 34  
e-mail: ehlers@biotec.uni-kiel.de

Members of the "Melolontha" and "Slugs and Snails" subgroups are encouraged to attend.

### ***Other meeting***

VIIIth European Congress of Entomology  
7-13 October 2002  
Thessaloniki (Greece)

A section will be devoted to general and applied insect pathology.

Contact Information:

Matilda Savopoulou-Soultani  
Laboratory of Applied Zoology and Parasitology  
Aristotle University of Thessaloniki  
54006 Thessaloniki (Greece)  
Tel. and fax: +30 310 998.853  
e-mail: matilda@agro.auth.gr

Official web site of the conference: <http://www.helexpo.gr/ece>

### ***Miscellaneous***

As a consequence of the evolution of the scientific policy of the Institut Pasteur, the Entomopathogenic Bacteria and Fungi Laboratory was closed at the end of the year 2001. This laboratory, formerly the Entomopathogenic Bacteria Unit, was designated for years as the W.H.O. Collaborating Center for Sporulating Bacteria for Biological Control of Vectors, thanks to the expertise and dynamism of Huguette de Barjac. It

was also in charge of the collection of the International Entomopathogenic Bacillus Centre (IEBC).

This collection keeps on remaining at the Institut Pasteur. People interested in strains, sera, and/or international standards of *Bacillus thuringiensis* var. *israelensis* IPS 82 and *Bacillus sphaericus* SPH 88, are asked to contact:

Jean-François Charles  
Unité de Génétique des Génomes Bactériens  
Institut Pasteur  
25, rue du Dr Roux  
F-75015 Paris, France  
Tel: +33-1-40 61 31 82  
e-mail: jcharles@pasteur.fr

Bernard Papierok (Convenor of the WG "Insect Pathogens and Insect Parasitic Nematodes")  
Collection des Champignons  
Institut Pasteur  
25, rue du Dr Roux  
F-75015 Paris, France  
Tel: +33-1-45 68 82 26  
e-mail: papierok@pasteur.fr

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### **Working Group „Pesticides and Beneficial Organisms“ Next Meeting: Avignon, 9 – 11 October, 2002**

The next meeting of the WG will be held in Avignon, 9-11 October, 2002; with sub-group meetings (method validation) taking place on the 8<sup>th</sup> October. Local organizers are Margrit Engelhardt and Philippe Coulomb.

#### **Preliminary Programme**

Tuesday, 8th October 2002: Special group meetings, e.g. further Joint Initiative Activities, ring test groups (half/full day depending from activities and demands)

Wednesday, 9<sup>th</sup> October 2002: Opening, presentations (morning and afternoon sessions)

Thursday, 10th October 2002: Morning session with presentations  
Afternoon: excursion followed by a dinner

Friday, 11<sup>th</sup> October 2002: Presentations (morning and afternoon sessions)

## Proposed Topics of the Meeting

- Development of **standard procedures to test side effects** of pesticides on important beneficial organisms (all testing tiers, but especially extended laboratory, semi-field, field); Presentation and discussion of new or optimized methods; completion of sequential testing schemes. Please consider IOBC standards.
- **Test methods for special plant protection products**, e.g. IGRs, soil-incorporated granules or seed dressings, special use patterns
- **Results** from side-effect tests, especially with new compounds, and their **implementation into IPM**
- **Duration of effects** (natural substrates, exposure under realistic conditions, aged residues) and **implementation into IPM**
- **Field tests**: Test design, sampling techniques, statistics
- Extrapolation of field studies to different regions, different crops: Is this possible?
- **Comparison of results** from laboratory, extended laboratory, semi-field and field tests; extrapolation laboratory - field
- **Comparison of results between species and biotypes**
- Effects of **multiple applications** of pesticides, of sequences of sprays or of combinations of pesticides. How to test multiple application products in the laboratory/extended/sf-test?
- **Side-effects of pesticides in glasshouse crops**
- **Side effects of biological control agents** (e.g. Bt, fungi, viruses) on beneficials
- Sublethal effects of pesticides, **their significance and acceptability**
- **Other topics related to side-effects**

Further information about the meeting is given on the IOBC/wprs homepage. The final programme will be available at end of August/ beginning of September. Please check the IOBC homepage.

For further information about the Working Group please contact:

Dr. Heidrun Vogt  
BBA, Institute for Plant Protection in Fruit Crops  
Schwabenheimerstr. 101, D-69221 Dossenheim  
Tel. +49 (0) 6221/8680530, Fax +49 (0) 6221/8680515  
e-mail: Heidrun.Vogt@urz.uni-heidelberg.de

**IOBC/WPRS Study Group  
“Integrated Control in Citrus Fruit Crops”  
Valencia (Spain), 6-8 November, 2002**

On behalf of the International Organization for Biological and Integrated Control of Noxious Animals and Plants, you are cordially invited to participate in the meeting of the IOBC/wprs Working Group “Integrated Control in Citrus Fruit Crops” that will be held in Valencia (Spain) from 6<sup>th</sup> to 8<sup>th</sup> November 2002.

The purpose of this Meeting is to bring together industry, research and academic people to discuss the diverse problems and recent developments related to Citrus Pest Management strategies. The Meeting will encourage cooperation between participants, contribute to spread the new findings, promote their practical use and highlight research needs.

**Location of the Meeting**

The Citrus working group meeting will be held at the congress facilities of the Universidad Politécnica de Valencia, in the “Sala de Congresos” of the I1-12 building (number 6G in the maps). Please check our web page at

**<http://www.etsia.upv.es/cwg2002>.**

There are two universities in Valencia, called Universitat de València and Universidad Politécnica de Valencia, the last one is where the meeting will take place.

**PRELIMINARY PROGRAMME**

**Tuesday, 6th November**

- 8,30 – Arrival, registration.
- 9,00 – Opening.
- 9,30 - 12,30 – Presentations: Morning session.
- 13,00 - 14,00 – Lunch.
- 14,30 - 18,00 – Presentations: Afternoon session.

**Wednesday, 7th November**

- 9,00 - 17,00 – Excursion: visit to citrus orchards and packinghouses in the area of Valencia.
- 21,00 – Dinner.

## Thursday, 8th November

- 9,00 - 12,30 – Presentations: Morning session.
- 13,00 - 14,00 – Lunch.
- 14,30 - 17,30 – Presentations: Afternoon sessions.
- 17,30 – Conclusion and outlook.  
Election of the working group convenor.

## TOPICS

The main topics of the meeting are:

- Situation of the Citrus Leafminer
- Biological Control in Citrus orchards
- New problems in Citrus pest control
- Sampling and monitoring pests and natural enemies
- Novel insecticides: selectivity and resistance
- Fruit flies of economic importance
- Citrus pest management in specific areas

A panel of experts has prepared a draft of the IOBC Guidelines for Integrated Production of Citrus Fruits. This document will be distributed among the participants for later comments.

## REGISTRATION AND FEES

Participants registration fee is 150.- EURO for early registration, **before September 25** (50.- EURO for a limited number of graduate and PhD students, after the approval of the organising committee) and 175.- EURO for late registration (75.- EURO for graduate and PhD Students). It includes documents of the meeting (to be distributed on arrival), badge, coffee breaks, excursion, three lunches (Wednesday 6<sup>th</sup>, Thursday 7<sup>th</sup> and Friday 8<sup>th</sup>) and one dinner (Thursday 7<sup>th</sup>).

The special graduate students registration fees will be awarded to a maximum of 10 graduate and PhD students. Students willing to apply for this special registration fees should demonstrate his/her status as graduate or PhD student in a Plant Protection field with a letter from an academic authority, and they should present a paper (oral or poster) during the workshop.

The registration fees for accompanying persons is 75 Euro. It includes the excursion and the Thursday lunch and dinner.

Form of payment: by direct money transfer to the account nr. 0064000958 at the bank "Caja de Ahorros del Mediterraneo" of Spain, bank code 2090, beneficiary "Universidad Politécnica de Valencia",

clearly indicating your name and "IOBC Citrus Group" as key word. Please send to the organizers a photocopy of the transfer receipt by fax (to the number 0034 96387 9269).

Please complete the registration form and send it preferably by e-mail (to fgarciam@eaf.upv.es) **before 25 September**. You can also obtain the registration form from the meeting web page:

**<http://www.etsia.upv.es/cwg2002>**

## **ACCOMMODATION**

Participants should book their accommodation by themselves **before 25 September 2002**. You can also obtain the accommodation forms 1 and 2 from the meeting web page.

The suggested accommodations are:

**1** – the "Colegio Mayor Galileo Galilei", situated inside the Universidad Politécnica de Valencia. It is located very close to the meeting room. The bus for the excursion will collect the participants at the main door of this residence.

The number of rooms available for the Citrus Working Group participants in this residence is limited. It is strongly recommended to book your room as soon as possible by sending the **accommodation form 1** (to be found on the meeting web page) by e-mail or fax to:

Colegio Mayor Galileo Galilei  
Av. Tarongers s/n 46022 Valencia (Spain)  
E-mail [galileo@galileogalilei.com](mailto:galileo@galileogalilei.com)  
Tel.: 0034 96335 2000, Fax: 0034 96355 1213  
web page: [www.galileogalilei.com](http://www.galileogalilei.com)

**2** – If you prefer a hotel, please send the **accommodation form 2** (to be found on the meeting web page) by fax to the travel agency situated inside the University:

Ultramar Express  
Camino de Vera, s/n  
46020 Valencia  
fax: 0034 96362 8369

A room will be booked for you at the Hotel RENASA (\*\*), located at a walking distance from the meeting room.

## INSTRUCTIONS TO AUTHORS FOR THE PREPARATION OF ABSTRACTS

Please send an abstract of your oral presentation or poster **not later than 30 September, 2002** in electronic format (MS-Word, if possible) as an attached file, to the e-mail address fgarciam@eaf.upv.es. Only abstracts received before that date will appear in the "Abstract book". The abstract book will be distributed to all the participants during the registration.

Extension: ½ A4 page.

Page format: A4, 2.5 cm margin all round, line spacing: 1.

Font: Times New Roman.

- **Title: Bold, lower case, normal letter, size 14 pt.**
- 1 line free.
- **Names of Authors: Bold, lower case, normal letter, size 12 pt.**
- *Address: Lower case, italic letter, size 12 pt.*
- 1 line free.
- Running text: Lower case, normal letter, size 12 pt.

### Example

**First results on releasing experiments of *Stethorus punctillum*, a predator of the citrus red mite *Panonychus citri*, in Egypt**

**Salvatore Rossi and Eugene di Palma**

*Citrus Research Station, Entomology Department, Vera Street 14,  
46022 Adimonia, Orangeland*

Trials were conducted to reduce the population of the citrus red mite *Panonychus citri* McGregor (Acari: Tetranychidae) in Citrus orchards by releasing the imported specific predator ...

### BULLETIN PUBLICATION

Full articles will be published in the Proceedings of the meeting in the IOBC/wprs Bulletin. Authors should give their full papers (hard copy, diskette in a word format) during the registration at the meeting. The bulletin will be printed after the meeting. Only the papers received during the registration will be published in the Bulletin. Please follow the "Instructions to the Authors" for the IOBC/wprs Bulletin at the web page:

**<http://www.iobc-wprs.org/pub/index.html>**

## **OFFICIAL LANGUAGE**

The Official language of the meeting is English. However, papers could be presented in any other language if the overheads, slides etc... are in English.

## **TRAVEL INFORMATION**

Valencia is easily reached from the North and the South by road from the A7 motorway, which links the city to all the major European motorways, by air from the airport of Manises from many national and international destinations, and by rail with the recently modernised system of railways including the Euromed and Alaris, high speed trains that connect all the Mediterranean coast of Levante to Madrid, the capital, and to Cataluña.

## **TOURIST INFORMATION**

La Valencia, located on the Mediterranean coast of Spain, just in front of the Balearic islands, is a medium-sized city with a population of about 800,000 inhabitants.

It has become one of the most sought after touristic destinations due to the high amount of days of sunshine it receives per year and its temperate climate. The city possesses long, wide beaches and extensive promenades.

Valencia also has a rich, historical, cultural and artistic patrimony to offer its visitors. It has many contrasting examples of architecture, such as the Lonja which dates from the 15th century and has been declared "Patrimony of Humanity" to the modern museum of the IVAM, or the newly constructed City of Sciences and Arts, considered to be one of the most attractive centres of culture and relaxation to be found in Europe.

The gastronomic delights of Valencia are well known throughout the world .Its famous Paella , traditionally cooked slowly over an open fire and an amazing variety of rice and fish dishes are enough to delight any visitor to the region.

Turisvalencia invites you to take wander through the city of Valencia's tourist information:

**<http://www.turisvalencia.com>**

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Ferran Garcia-Mari  
Dept. Ecosistemas Agroforestals, E.T.S. Enginyers Agronomes  
Universitat Politècnica de València  
Camí de Vera 14 , 46022 Valencia (Spain)  
Tel.: 0034 96387 9250, Fax.: 0034 96387 9269  
e-mail: fgarciam@eaf.upv.es  
Web page: <http://www.etsia.upv.es/cwg2002>

**IOBC/WPRS Working Group “Integrated Control in Citrus Fruit  
Crops”  
Valencia, Spain 6-8 November 2002**

**REGISTRATION FORM**

1) Family name:..... First name: .....  
Position (Senior scientist, PhD-student, ....) :.....  
Institution: .....  
Department:.....  
Address: .....  
City:..... Country:.....  
Phone:..... Fax: .....  
e-mail: .....

**2) I will present a POSTER with the following title:**

**I ask the scientific committee to accept an ORAL PRESENTATION with  
the title (Oral presentations will be limited to 15 min + 5 min discussion):**

3) I would like to publish my contribution in an IOBC Bulletin:  
YES ( ) NO ( ).

4) Are you covered by an IOBC/wprs membership? YES ( ) NO ( ). If yes:  
Individual ( )  
Supporting (Please state the name of the institution):  
Institutional (Please state the name of the institution):

5) This registration form should be sent before September 25, preferably by  
e-mail, to the local organiser:  
Ferran Garcia-Marí, Dept. Ecosistemes Agroforestals, E.T.S. Enginyers Agrònoms,  
Universitat Politècnica de València, Camí de Vera 14, 46022 Valencia (Spain),  
Tel.: 0034 96387 9250, Fax.: 0034 96387 9269, E-mail: fgarciam@eaf.upv.es

## **Study Group “Integrated protection of Olive Crops”**

**1<sup>st</sup> European Meeting of the IOBC/wprs Study Group  
Chania (Crete), Greece, 29 - 31 May, 2003**

### **FIRST ANNOUNCEMENT**

Dear Colleagues,

On behalf of the International Organization for Biological Control of Noxious Animals and Plants, West Palaearctic Regional Section we are in the pleasant position to announce to you the forthcoming 1<sup>st</sup> European Meeting of the IOBC/WPRS Study Group “Integrated Protection of Olive Crops” that will be held in Chania (Crete), Greece, from May 29 to May 31, 2003.

The meeting will include oral presentations and poster sessions. The main topics of the meeting are:

- Sampling and monitoring pests and natural enemies
- Role of natural enemies
- Biological and biotechnical control methods
- New problems in Olive pest control
- Pesticides: Efficacy, selectivity, resistance and side effects

### **Preliminary programme**

Wednesday, May 28: Arrival, Registration.

Thursday, May 29: Official opening. Scientific presentations, dinner

Friday, May, 30: Scientific presentations.

Saturday, May, 31: Excursion

### **Accommodation**

The meeting will be held at the Conference Center of the Mediterranean Agronomic Institute of Chania (MAICH). Accommodation is available at the same place (approx. 35 Euro per day in double room, 27 Euro per day in single room, 45 Euro per day in “attic” room). Additional accommodation will be available at hotels nearby. Registration fees (including programme and abstracts, conference bag, coffee breaks, excursion and dinner on Thursday) approx. 230 EURO.

The Website is in construction: [www.maich.gr/iobc](http://www.maich.gr/iobc)

**1<sup>st</sup> EUROPEAN MEETING OF THE IOBC/WPRS STUDY GROUP**

**“Integrated Protection of Olive Crops”  
Chania, Greece 29-31 May 2003**

**Pre-registration Form**

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NAME: .....

AFFILIATION: .....  
.....

ADDRESS: .....  
.....

COUNTRY:.....

PHONE:.....

FAX:.....

E-MAIL: .....

---

I intent to give an oral presentation:    yes     no

I intent to present a poster:            yes     no

Title: .....  
.....  
.....

Please complete and send the above form before October 31, 2002 preferably by e-mail to the secretary of the Conference Center Office of Maich:

Mr. Katerina Karapataki  
Mediterranean Agronomic Institute of Chania  
Macedonia Rd., GR-73100, Chania, P.O. Box 85, GREECE  
Tel: +30 8210 81151 ext. 601, 600, Fax: +30 8210 81154  
e-mail: confer@maich.gr

## The Local Organizing Committee

Dr. N. MALATHRAKIS  
*Technological Education Institute of Heraklio, Council Member of  
IOBC/wprs*

Prof. D. LYKOURESSIS  
*Agricultural University of Athens*

Prof. Prophetou ATHANASIADOU  
*Aristotle University of Thessaloniki*

Dr. D. PERDIKIS  
*Agricultural University of Athens, Treasurer*

Dr. VEN. ALEXANDRAKIS  
*Institute of Olive Tree and Subtropical Plants of Chania, Secretary*

Dr. ST. MICHELAKIS  
*Institute of Olive Tree and Subtropical Plants of Chania*

Mrs KALAITZAKI ARGYRO  
*Prefecture of Rethymno, Chairwoman*

On behalf of the Local Organizing Committee,  
I am looking forward seeing you in Chania

Sincerely yours,

Mrs Kalaitzaki Argyro (Chairwoman)

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### **Working Group “Biological Control of Fungal and Bacterial Plant Pathogens”**

#### **Report on the 7<sup>th</sup> WG Meeting: Influence of A-Biotic and Biotic Factors on Biocontrol Agents. Kusadasi, Turkey, 22-25 May 2002**

There is increasing interest in biocontrol of plant pathogens. The number of people who study aspects of the interactions between plant pathogens and bacteria, fungi, phages or viruses and the number of publications increased steadily with time. In some cases the search for biocontrol agents lead to implementation under field conditions and commercial development of biological preparations for control. However, The number of commercial preparations is yet small and much more is expected from us before significant phytopathological problems could be solved by biological means.

One of the reasons that preclude implementation of biocontrol agents on a large scale in commercial production is the large variability in control efficacy. In some cases the biocontrol agents are as effective as chemical products, but in other they are less effective and sometimes they are not effective at all. The assumption underlying this meeting was that one of the obstacles on the way of reliable biocontrol under field conditions is the interference by biotic or a-biotic factors. These factors affect the activity, survival and interaction of the biocontrol agents with the plant pathogens or with plants. In the meeting we presented our knowledge in this regard and discussed the possibilities to overcome deleterious effects on the implementation of biocontrol of plant diseases. We emphasized aspects of micro-climate, soil / substrate / crop / fertilization, chemicals, saprophytes / non-target microorganisms effect on and interaction with population dynamics / survival of antagonists, on their biocontrol activity and the economical feasibility of the BCA. There were 130 participants in the meeting and it was organized by YIGAL ELAD, NAFIZ DELEN, JÜRGEN KÖHL and DANI SHTIENBERG that were helped by several other colleagues.

The next meeting of the Phytopathogens WG will be in the Netherlands in April 1994 together with the IOBC/wprs WG of Integrated Control in Protected Crops, Temperate Climate.

Yigal Elad  
Department of Plant Pathology,  
The Volcani Center, Bet Dagan, 50250 Israel  
e-mail: elady@volcani.agri.gov.il

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### **A brief report on biocontrol and IPM development in Iran**

In the two last decades, the government has initiated serious steps on biocontrol activities in Iran. The *Plant Pests and Diseases Research Institute* (PPDRI) has organized all activities in biocontrol, and in 1984 a *Biocontrol Department* was founded. The *Plant Protection Organization* (PPO) is also engaged in a few biocontrol projects, especially in *Trichogramma* releases against the rice stem borer (*Chilo suppressalis*) in the North of Iran. In 1994, the act creating the 2<sup>nd</sup> and 3<sup>rd</sup> National Five-Year Plan forced the government to reduce gradually the huge subsidy given to agrochemicals and to reimburse about 3% (in each year) of the funds allocated for fertilizer and pesticide subsidies to the *Ministry of Agriculture* in order to strengthen research (and other activities) into

relevant programmes. Furthermore, since some years, a 'Participatory IPM Approach' was developed between farmer groups by so-called facilitators (see report by H. Heidari). We are highly interested to increase our research activities and to develop biocontrol methods in Iran and its neighbour countries.

Mohammadreza Rezapanah  
Plant Pests and Diseases Research Institute  
Biological Control Department, P.O.Box 1454  
Tehran 19395, Iran  
e-mail: Rezapana@yahoo.com

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### **Community-based IPM through Farmer Field School (FFS) in IRAN**

In 1999, an investigation was conducted on the elimination of pesticides in pistachio crops in the Damghan District. Very soon, I found that 80% of all pesticides used are unnecessary, because the farmers are not aware of the agro-ecosystems, the pests and their natural enemies in their farms. In May 1999, the first 'Participatory IPM Approach' started in a Farmer Field School (FFS) organized by a group of farmers in the Damghan District, which is one of the most important areas in the production of high quality pistachios. In this area, farmers are usually spraying 6 to 8 times during one season only against pests of pistachio. This group consists of 18 farmers which are representing 9 villages. They had been trained in the FFS for 16 months, and now they are able to manage pest problems without spraying pesticides. Each week, this group met in a central village (Zarinabad), where they select a farm for further research. During these 16 months, they were able to study the biology and ecology of pests and natural enemies. This training was exciting for them, because they were able to identify pest species and their natural enemies. In the first year of the project, applications of pesticides could already be reduced from 6 times to one. They have learned more about natural enemies and were surprised how a small beneficial insect, like a tiny wasp or egg-parasitoid, can control a large number of pests.

In 2001, after two seasons (16 months), four of 18 farmers already became trainers and are working now with new groups of farmers. This year, the initial group of farmers, called a *Community Based Organization* (CBO), produced 10 tons of organic pistachio. It was confirmed as "Pesticide Free" by the pesticides research laboratory in our institute.

After this success in the reduction of pesticides, many farmers are interested to join the FFS approach. Now, 125 farmers in 5 groups from different communities are working and managing their farms through FFS.

In another district (Garmsar), one group of farmers from 5 communities began to work on a wheat & barley 'Participatory IPM Approach' in FFS. In February 2002, a joint meeting was organized with farmers from Damghan, who are working on pistachio, and an intensive exchange of experiences started.

After this meeting, the Garmsar group built one laboratory with three rooms, including a meeting room, a laboratory and a room for rearing beneficial insects. In March 2002, the activities to establish biocontrol and IPM strategies started on wheat and barley. The permanent use of pesticides was nearly eliminated by mechanical control and protecting natural enemies. In May 2002, they started to work on melon. On this crop, 30 applications of pesticides per one season (120 days) were generally necessary. By early planting, the time for egg laying of melon flies was reduced. Furthermore, by this method the number of natural enemies of leaf miners increased, which are also serious pests. In the future, the group will work with cotton.

As a result of these promising 'Participatory IPM Approach' in two districts (Damghan & Garmsar), the vice minister in extension and farming system has approved a working plan to expand 'Participatory IPM' to other communities. Technical support was given by FAO in Rome. An international NGO is also involved in the project. Today, 8 communities are working on 'Participatory IPM' in different crops such as potatoes (in Shahroud), pistachio (in Damghan), greenhouse crops (in Semnan), rice (in Rasht), wheat, barley and cotton (in Garmsar). A staff of 25 persons from government and non government are now involved in these pilot projects.

Hossein Heidari  
Plant Pests and Diseases Research Institute  
Biological Control Department, P.O.Box 1454,  
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## New IOBC/wprs Publications

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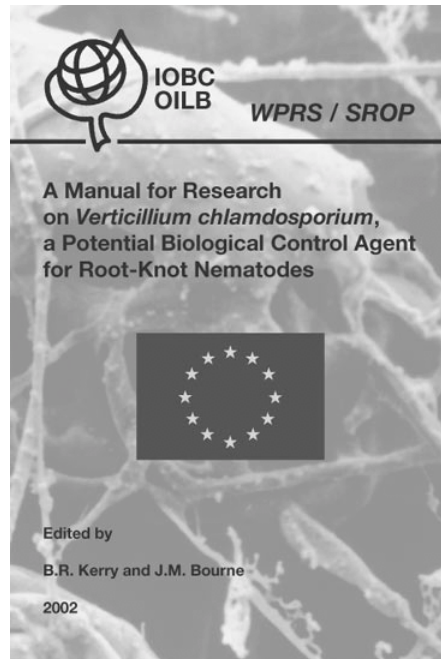
B.R. KERRY & J.M. BOURNE (2002): A Manual for Research on *Verticillium chlamydosporium*, a Potential Biological Control Agent for Root-Knot Nematodes. – XIII + 84 pp., 14 fig., 4 fig. in colour, Gent, IOBC/wprs, ISBN 92-9067-138-2. Price: € 15,00 (including surface mail). You may order the book by letter, fax or e-mail from:

Dr. Horst Bathon (IOBC/wprs), Institute for Biological Control,  
Heinrichstrasse 243, D-64287 Darmstadt, Germany  
Fax +49-6151-407290, e-mail: h.bathon.biocontrol.bba@t-online.de

### From the Preface

This Manual was produced following a Workshop Meeting at the University of Reading, UK, in 1998, which marked the beginning of a European Community funded project FAIR5-PL97-3444. The project is entitled "Development of a sustainable strategy for the management of root-knot nematodes in vegetable crops in southern Europe – an alternative to the use of methyl bromide". The research aims to incorporate applications of the nematophagous fungus, *Verticillium chlamydosporium* Goddard, with other control measures to manage root-knot nematodes on vegetable crops. The control of these nematodes will become a major problem in southern Europe and elsewhere when the general soil sterilant, methyl bromide, is withdrawn from the market in 2005, because of its effects as a depleter of ozone. In southern Europe, root-knot nematodes are major pests in field vegetable crops and in protected crops. These nematodes cannot be eradicated and growers apply large amounts of methyl bromide to manage populations below damaging levels. There is, therefore, an urgent need in southern Europe to find alternative methods to the widespread use of methyl bromide, which are practical and sustainable. A biomanagement strategy, which combines the use of a biological agent with cultural methods, including the use of partially resistant/non-host cultivars, may provide such an alternative, which will reduce nematicide applications. The strategy is being evaluated in commercial situations in southern Europe, where pests are damaging a wide range of crops throughout the Mediterranean region. The project has three specific objectives:

- To evaluate the efficacy of a biomanagement strategy in commercial production systems in southern Europe. This strategy involves the application of *V. chlamydosporium* applied to soil



before planting poor hosts for root-knot nematodes in the cropping cycle, to reduce populations before susceptible tomatoes are grown. This strategy has been compared with conventional nematode control (use of methyl bromide) and an integrated management strategy that replaces methyl bromide with other pesticides, including oxamyl for nematode control:

- To develop immunological and molecular methods to monitor the fungus after its release.
- To measure the impact of the fungus on soil microbial biodiversity and non-target organisms.

The project provides a model for the practical application of a soil applied biological control agent and the development of a rational policy relating to such releases. The methods described for *V. chlamydosporium* could be used for a range of fungi isolated from nematode females and eggs that have a similar mode of action. The work described has addressed a number of the problems involved in the scale-up of testing of biological control agents from experiments in controlled conditions to small-scale field trials. Information has been collected on the distribution and variation in isolates of the fungus collected in southern Europe and other parts of the world. The mass-production of chlamydo-spores for inoculation remains a problem.

The project has brought together a group of nematologists with interests in the management of nematodes and molecular biologists developing new methods to study microorganisms in the rhizosphere. The leaders of the participating research teams have written different sections of this Manual. I have much enjoyed the interactions involved in coordinating the programme and gratefully acknowledge the hard work, research innovation and friendship of my colleagues involved in the project and the production of this Manual.

Brian Kerry

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## New IOBC/wprs Bulletins

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<p>The regular prices for the Bulletins are – up to 100 pages: 10 EURO per copy – up to 300 pages: 15 EURO per copy &gt; 300 pages: 30 EURO per copy.</p>
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### IOBC/wprs Bulletin Vol. 25(6) 2002

Study Group „Induced resistance in plants against insects and diseases“, Proceedings of the meeting at Wageningen (The Netherlands), 26-28 April 2002. Edited by: A. Schmitt & B. Mauch-Mani. ISBN 92-9067-143-0 [xvii + 196 pp.]

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#### **IOBC/wprs Bulletin Vol. 25(8) 2002 (in print)**

Commission "IP-Guidelines and Endorsement", Guidelines for Integrated Production of Pome Fruits in Europe. IOBC Technical Guideline III, 3rd Edition. Edited by: J.V. Cross. ISBN 92-9067-145-4 [~48 pp.].

*The Guidelines are in the languages: English, French, German, Italian and Spanish*

#### **Individual Members: Important !**

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

Dr. Cesare Gessler, Phytomedicine / Pathology  
Universitätsstr. 2, CH-8092 ETH Zürich (Switzerland)

**Sting 24** (July 2002), "Newsletter on biological control in greenhouses"  
(ed. Annie Enkegaard).

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**STING 24** is on the web: <http://www.agrsci.dk/plb/iobc/sting/sting24.htm>

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## **Other interesting publications brought to attention of Profile**

COPPING, L.G. (ed., 2001): The BioPesticide Manual. 2nd edition. – 528 pp.,  
Farnham, UK (British Crop Protection Council), £ 105,00 (ISBN 1-901396-  
29-0).

GRESSEL, J. (2002): Molecular biology of weed control. – 520 pp., about 40  
illustrations, London (Taylor & Francis), ~75,00 £ (ISBN 0-415-26642-4).

McEWEN, P.K., T.R. NEW & A.E. WHITTINGTON (2001): Lacewings in the crop  
environment. – 546 + xviii pp., Cambridge, UK (Cambridge University Press),  
(ISBN 0-521-77217-6).

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## **Time-Table of forthcoming events**

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

### **2002**

31 August - 05 September, 2002: 6th International **IOBC/wprs Work-  
shop of Pome Fruit Diseases**, Lindau/Bodensee, Germany. – Local  
organizer, non-scientific programme: Peter Triloff, Marktgemein-  
schaft Bodenseeobst, Albert Maierstr. 6, 88045 Friedrichshafen,  
Germany: Tel:+49/(0)7541/501030; Mobile 41/(0)7541/501088,  
Fax:+49/(0)171/8298032, e-mail: [peter.triloff@t-online.de](mailto:peter.triloff@t-online.de)

- Scientific programme, abstract book, proceedings: Cesare Gessler, Institute of Plant sciences Universitätsstr. 2 CH -8092 ETH-Zürich Tel: + 41/1/6323871 e-mail: cesare.gessler@ipw.agrl.ethz.ch
- 09 - 14 September, 2002: 6<sup>th</sup> Conference of the European Foundation for Plant Pathology "Disease and Resistance in Plant Pathology", Prague, Czech Republic. – EFPP 2002, Czech Phyto. Soc., Research Institute of Crop Production, Div. of Plant Medicine, Drnovska 507, 16106 Prague 6, Ruzyně, Czech Republic, e-mail: EFFPP2002@vurv.cz, Web: www.efpp.net/PDF/ 2%20page.pdf
- 15 - 18 September, 2002: Egg Parasitoids for Biocontrol of Insect Pests, 6<sup>th</sup> International Symposium, Perugia, Italy. – 6<sup>th</sup> Symposium, Dept. of Arbor. and Plant Protection - Entom., Borgo XX Giugno 74, 06121 Perugia, Italy. e-mail: eggpar@unipg.it, Web: www.unipg.it/eggpar/
- 15 - 19 September, 2002: 6<sup>th</sup> International Conference on *Pseudomonas syringae* Pathovars and Related Pathogens, Maratea, PZ, Italy. – N.S. Iacobellis, e-mail: pseudomonassyringae@unibas.it, Web: www.unibas.it/ utenti/pseudomonassyringae
- 22° - 27 September, 2002: Meeting of the **IOBC/wprs Working Group "Pheromones and other semiochemicals in Integrated Control"**, Erice (Sicily: Italy). – Stefano Colazza, Agricultural Entomology Institute, University of Palermo - 13, viale delle Scienze, 90128 Palermo, Italy, Fax: +39(0) 91 423410, e-mail: colazza@unipa.it; Ericelab - laboratory for advanced studies, Via Albertina degli Abati n. 13, 91016 Erice (Trapani) Italy, Tel +39 (0) 923 25999, Fax +39 (0) 923 27293, e-mail: ericelab@trapaniweb.it
- 07 - 13 October, 2002: 7<sup>th</sup> European Congress of Entomology, Thessaloniki, Greece. – Secretariat, Lab. of Applied Zoology and Parasitology, Aristotle University of Thessaloniki, 540-06 Thessaloniki, Greece, e-mail:matilda@agro.auth.gr
- 09 - 11 October, 2002: Meeting of the **IOBC/wprs Working Group "Pesticides and Beneficial Organisms"**, Avignon, France. – Dr. Heidrun Vogt, 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: Heidrun.Vogt@urz.uni-heidelberg.de
- 14 - 16 October, 2002: Meeting of the **IOBC/wprs Working Group "Integrated Plant Protection in Stone Fruit"** Biennial Meeting in Opatija, Croatia. – W.G. Convenor: Prof. Piero Cravedi, Istituto di Entomologia e Patologia vegetale, Facoltà di Agraria, Via Emilia Parmense, 84, 29100 Piacenza - ITALY, tel. +39-0523-599234, fax: +39-0523-599235, e-mail: entomo@pc.unicatt.it  
Local Organiser: Prof. Ivan Ciglar, Faculty of Agriculture, Department

of Agricultural Zoology, Svetošimunska cesta 25, 10 000 Zagreb, Croatia, tel: ++ 385 1 2393858 Fax: ++385 1 2393970, e-mail: iciglar@agr.hr

- 14 - 16 October, 2002: The Role of Genetics and Evolution in Biological Control, Montpellier, France. – E. Wajnberg, INRA, 37 Boul. du Cap, 06600 Antibes, France. e-mail: wajnberg@antibes.inra.fr, Web: www.iobc.agropolis.fr/ symposium2002/
- 21 - 24 October, 2002: International Symposium "Improving Biocontrol of *Plutella xylostella*", Montpellier, France. – C. Lyonnet, CIRAD-DS/midec, TA 179/02, Ave. Agropolis, 34398 Montpellier Cedex 5, France. e-mail: dbm2002@cirad.fr, Web: dbm2002.cirad.fr
- 03 - 05 November, 2002: 9<sup>th</sup> Meeting of the *Diabrotica* Subgroup of IWGO, Belgrade, Yugoslavia. – H.K. Berger, AGES (Austrian Agency for Health and Food Safety), Spargelfeldstr. 191, A-1226 Wien (Austria), Tel: +43-1-732164002, Fax: +43-1-732162106, **best**: mobil: +43-676-5642885, e-mail: hberger@lwwie.ages.at
- 06 - 08 November, 2002: Meeting of the **IOBC/wprs Study Group "Integrated Control in Citrus Fruit Crops"**, Valencia, Spain. – Ferran Garcia-Mari, Dept. Ecosistemes Agroforestals, E.T.S. Enginyers Agrònoms, Universitat Politècnica de València, Camí de Vera 14, 46022 Valencia, Spain, Tel. 34-9638-79250, Fax. 34-9638-79269, e-mail: fgarciam@ eaf.upv.es
- 18 - 21 November, 2002: Brighton Crop Protection Conference 2002 „Pests and Diseases“, Brighton, UK. – BCPC Ltd., 49 Downing St., Farnham, Surrey GU9 7PH, UK, e-mail: md@bcpc.org, Web: www.bcpc.org
- 04 - 06 December, 2002: 6<sup>th</sup> International Conference on Pests in Agriculture, Montpellier, France. – S. Kreiter, Directeur de l'UFR Ecologie Animale & Zoologie Agricole, Campus Agro. M /INRA - Unit 9 d'Acarologie, 2 Place Pierre Viala, 34060 Montpellier Cedex 01, France, e-mail: kreiter@ensam.inra.fr

### 2003

- 12 - 14 January, 2003: Meeting of the **IOBC/wprs SG "Non-Target Effects of Genetically Modified Organisms"**, Zürich (Switzerland). – Jörg Romeis, Swiss Federal Research Station for Agroecology and Agriculture, Reckenholzstr. 191, CH-8046 Zürich (Switzerland), Tel: +41-1-377 7111, Fax: +41-1-377 7201, e-mail: joerg.romeis@fal.admin.ch
- 02 - 08 February, 2003: 8th International Congress of Plant Pathology, Christchurch, New Zealand. – ICPP2003 Conference Secretariat, PDG, POBox 84, Lincoln University, Canterbury, New Zealand, e-mail: icpp2003@lincoln.ac.nz, Web: www.lincoln.ac.nz/icpp2003/

- 17 - 20 March, 2003: 3rd International *Bemisia* Workshop, Barcelona, Spain. – R. Gabarra, Dept. de Proteccio Veg., IRTA-Centre de Cabriils, 08348 Cabriils, Barcelona, Spain, e-mail: rosa.gabarra@irta.es, Web: www.irta.es
- 24 - 28 March, 2003: German Congress of Entomology, Halle/Saale (Germany). – Entomologentagung 2003, Prof. Dr. Gerald Moritz, University Halle-Wittenberg, Institute for Zoology, Developmental Biology, Domplatz 4, 06108 Halle / Saale, Tel 0345/ 5526430, Fax 0345/5527121, e-mail: moritz@zoologie.uni-halle.de, <http://www.entomologentagung2003.uni-halle.de>
- 11 - 14 May 2003: 4th International Workshop on Otiiorhynchinae and related root weevils. – Marian de Beuze, Applied Plant Research, Nursery Stock Research Unit, P.O.Box 118, NL 2770 AC Boskoop, Fax +31/172/236710, e-mail: weevil@ppo.dlo.nl
- 24 - 28 May 2003: Meeting of the **IOBC/wprs Working Group "Insect Pathogens and Insect Parasitic Nematodes"** entitled "Growing Biocontrol Markets Challenge R+D", Salzau Castle, Kiel, Germany. – Ralf-Udo Ehlers, Institute for Phytopathology, Christian-Albrechts-University Kiel, Klausdorfer Str. 28-36, 24223 Raisdorf (Germany), Fax: +49 4307-83 98 34, e-mail: ehlers@biotec.uni-kiel.de
- 29 - 31 May 2003: Meeting of the **IOBC/wprs Study Group "Integrated Protection of Olive Crops"**, Chania (Crete), Greece. – Dr. Alexandrakis Venizelos, Institute of Olive Tree and Subtropical Plants of Chania, Agrokipio, GR-73100 Chania (Greece), Tel: +30 8210 83449, Fax: +30 8210 93963, e-mail: valexandr@cha.gr
- 02 - 06 June, 2003: New **IOBC/wprs Working Group: "Multitrophic interactions in soil for integrated plant protection"**, The Physikzentrum, Bonn-Bad Honnef. – Prof. Dr. Richard A. Sikora, Soil-Ecosystem, Phytopathology and Nematology, Institut für Pflanzenkrankheiten, Universität Bonn, Nussallee 9, D-53115 Bonn, Germany, Fax: +49 (228) 732432, e-mail: rsikora@uni-bonn.de
- 14 - 16 October, 2003: **IOBC/wprs Working Group "Integrated Plant Protection in Fruit Crops; Sub-group Soft Fruits"**: Workshop on Integrated Pest and Disease Management in Soft Fruit Crops, Centre d'arboriculture et d'horticulture des Fougères, CH-1964 Conthey, Switzerland. – Local organizer: Christian Linder, Station fédérale de recherches agronomiques de Changins, CH-1260 Nyon, Switzerland, e-mail: christian.linder@rac.admin.ch;  
Scientific secretary of the sub-group: Dariusz Gajek, Research Institute of Pomology and Floriculture, Laboratory of Biological Pest Control, Pomologiczna, 18 str., 96-100 Skierniewice, Poland, e-mail:

dgajek@insad.pl

Convenor of IOBC/WPRS Working Group: Jerry Cross, Entomology and Plant Pathology, Department, Horticulture Research International, East Malling, West Malling, Kent, ME19 6BJ, UK, e-mail: jerry.cross@hri.ac.uk

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## Next Issue of Profile

***Profile* depends on your contributions. It is your opportunity to let others know what is going on in your special field of interest in biological and integrated control, in your Working Group or Study Group. Take a few minutes and mail, fax or even better e-mail to the Editor. Your contributions especially should refer to**

- forthcoming events (e.g. meetings of the working groups). Because *Profile* is issued only twice a year, please let me know the dates of meetings at an very early stage of planning and preparing!
- reports on IOBC/wprs meetings (these are of special interest to those members not attending the meetings)
- informations on new books related to biological and integrated control and basic research in these fields
- biocontrol news (e.g. new pests in the IOBC/wprs region, new introductions and releases of beneficials, important news on commercial biocontrol products)
- new research activities

The winter-issue of *Profile* (number 34) will be edited in December 2002 / January 2003. Please send your contributions for this issue of *Profile* to me at the latest:

**15 December, 2002**

but don't hesitate to contact me long before this deadline!

Please send your contributions by e-mail (preferably), mail or fax to:

Dr. Horst Bathon  
Institute for Biological Control  
Heinrichstrasse 243, D-64287 Darmstadt (Germany)  
e-mail: h.bathon.biocontrol.bba@t-online.de  
Tel ++49-6151-407-225, Fax ++49-6151-407290

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### **In Future: *Profile* only in the Internet**

In future *Profile* will be provided mainly on the website of IOBC/wprs. All members of the IOBC/wprs from whom we know an e-mail address will get a note at any time when a new issue of *Profile* has been put on the website of IOBC/wprs. This change became necessary because of the high costs for finishing the newsletter *Profile* and mailing it to you. We hope that we will have to print only relatively few copies from the future issues of *Profile*.

**Therefore, visit the IOBC/wprs website**

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

Please, if you still get a hard copy of *Profile* and have Internet-access and an own e-mail-address mail this address to:

cesare.gessler@ipw.agrl.ethz.ch

All of you without an e-mail address and/or access to the Internet should send a note to our treasurer, Cesare Gessler, telling him that you are interested to get a hard copy of *Profile* also in the (next) future. His address:

Gessler, Dr. Cesare  
Swiss Federal Institute of Technology  
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