



**International Organization for Biological
Control of Noxious Animals and Plants (IOBC)**

NeoTropical Regional Section (NTRS)

IOBC/NTRS NEWSLETTER 14

10 JULY 2006

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1. Editorials

Dear Biological Control workers in Central and South America,

I am happy to be able to announce you that IOBC/NTRS is active again. There have been some difficulties in the previous period, but several of our members have always continued with NTRS activities. This made it possible to organize a meeting earlier this year, discuss the problems and propose a number of ideas to improve the situation. I will not repeat the details of the meeting, because a report of this meeting is presented below. We hope that you will send us your reactions to the content of this report and to other topics that are written in this newsletter. Be so kind to send your reactions to our Secretary General, Willy Cabrera at: gcabrera@speedy.com.ar

As the new president of IOBC NTRS, I hope to meet many of you during the meeting of the Brazilian Entomological Society in Recife, August 2006. And I also expect that we will develop many new contacts in the coming years.

Vanda H. P. Bueno,
President IOBC/NTRS

Dear members of the NeoTropical Section of IOBC,

Like Profa Vanda Bueno, I am happy that a new board has been elected of the Neotropical Section of IOBC. Also, we see an increase in the number of members in the region. Currently there are more than 30 members, and we expect that membership will increase quickly based on the all the plans of the new Governing Board. IOBC Global is particularly interested in NTRS because of its enormous areas that are under classical or augmentative biological control.

IOBC Global is thankful to all persons who helped revitalising NTRS. First of all we would like to thank our Cuban colleagues for developing several activities, next we thank our Mexican colleagues for taking care of NTRS during the past years and our Colombian colleagues for organizing an IOBC NTRS congress (May-June 2006). Also we are very grateful for the assistance of our Argentinian, Chilean and Brazilian colleagues in developing new plans for NTRS. Finally, I thank all new governing and advisory board members for their willingness to serve in these boards and the time they will spend for IOBC.

Joop C. van Lenteren
President IOBC Global

2. Governing Board IOBC NeoTropical Regional Section 2006 – 2010

President: Prof.dr. Vanda .H.P. Bueno, Brazil

Past President: Dr. Raquel Alatorre, Mexico

President Elect: Prof.dr. F. Consoli, Brazil

Vice President 1: Dr. Maria Manzano, Colombia

Vice Presidents 2: Dr. Mary M. Whu Paredes, Peru

Vice President 3: Dr. Leopoldo Hidalgo, Cuba

Secretary General: Dr. William Cabrera, Argentina

Treasurer: Dr. Luis Devotto, Chile

Information about the newly elected Governing Board Members



Vanda Helena Paes Bueno

Department of Entomology/UFLA, P.O.Box 3037, 37200-000 Lavras, MG, Brazil

Email: vhpbueno@ufla.br

Education: Biology at State University of São Paulo, 1972-1976, Brazil

Entomology (Master) at ESALQ/USP, 1978-1980, Brazil

Entomology (PhD) at ESALQ/USP, 1980-1984, Brazil

Post-Doc (University of California/Berkeley), 1991-1992, USA

Professional Career : Federal University of Lavras – UFLA, 1982 – onwards:

Full Professor (Biological Control of Pests)

Chairwoman Dept Entomology (May 2000 - May 2004)

Researcher (CNPQ)

Research projects: Biological Control of Pests in Protected Cultivation.

Biological studies on aphids, thrips and their natural enemies.

Development on massal rearing of predators and parasitoids.

Teaching: Graduate and Post-Graduate courses in biological control and entomology

Publications: refereed and non-refereed papers in English and Portuguese,

several book chapters, edited book on Quality Control of Natural Enemies



Fernando Luís Cônsoli

Department of Entomology, Fitopatologia e Zoologia Agrícola, ESALQ

Universidade de São Paulo, Av. Pádua Dias 11, Piracicaba, SP 13418-900, Brazil

Email: fconsoli@esalq.usp.br

Education: Biology at Universidade de Campinas, Campinas, SP, 1986-1989

MSc ESALQ, University of São Paulo, 1990-1992

PhD ESALQ, In vitro rearing of egg parasitoids, 1993-1997

Professional career: Post-Doc, Texas A&M University, College Station, 1998-2002

Research Assistant, Texas A&M University, College Station, 2002-2004

Assistant Professor, University of São Paulo, ESALQ, 2004 onwards

Research interest: biology of parasitoids, biological control

Teaches at University of São Paulo, ESALQ

Publications: refereed and non-refereed papers in English and Portuguese, several book chapters



Maria Manzano Martínez

Universidad Nacional de Colombia, sede Palmira, Colombia

Email: mrmanzano@palmira.unal.edu.co

Education: BSc. Biology (Entomology). Universidad del Valle. Cali, Colombia, 1980-1987

MSc Crop protection, Wageningen University, The Netherlands, 1991-1992

PhD Wageningen University, The Netherlands. *Amitus fuscipennis* as

biological control agent of *Trialeurodes vaporariorum* on bean in Colombia, 1996-2000.

Professional career: Lecturer, researcher, PhD student in Colombia, Belgium and The Netherlands, 1989-2000

MSc lecturer Department of Biology, Universidad del Valle, Cali, Colombia, courses Tritrophic interactions, Parasitoid insects, Biological Control, Crop Pest Entomology, Ecology, Biology, 2000-2003

Researcher. Institute of Immunology, Universidad del Valle, 2003-2005

Researcher: Universidad Nacional de Colombia, sede Palmira, 2005-onwards

Research interest: entomology, biological control of insects

Publications: refereed and non-refereed papers in English and Spanish



Mary Margarita Whu Paredes

Enrique León García N° 527. Urb. Chama-Surco. Unidad de Producción de Insectos Benéficos del Programa Nacional de Control Biológico del Servicio Nacional de Sanidad Agraria -SENASA Lima-Perú

E-mail: mwhu@senasa.gob.pe

Education: Engineer of Agronomy at the National Agricultural University of La Molina

Professional Career: Researcher Centre for Introduction and Rearing of Beneficial

Insects of the Instituto Nacional de Investigación Agropecuaria – INIA, 1974-1992

Head of the Laboratory for Production of Beneficial Insect of the National Programme of Biological Control, SENASA, 1995 onwards

Research Interests: mass production and quality control of natural enemies (predators and parasitoids), taxonomy of *Trichogramma*

Publications: various publications in Spanish



Leopoldo Hidalgo Díaz

Centro Nacional de Sanidad Agropecuaria (CENSA), Carretera a Tapaste y 8 vías, Apartado 10, CP 32700, San José de las Lajas, La Habana, Cuba

Email: lhidalgo@censa.edu.cu

Education: Agronomic Engineer, Plant Protection Speciality (Universidad Agraria de la Habana-UNAH, 1986)

PhD: Universidad Central de las Villas (UCLV), 2000

Post-graduated studies in Statistics, Experimental Design and General Nematology at the Agrarian University and training at Research Institutes overseas (Rothamsted Research Institute (UK) and Private Producer of biological control agents (Koppert, The Netherlands)).

Professional career: Researcher at Centro Nacional de Sanidad Agropecuaria (CENSA)

Research interest: biological control of nematodes with fungi

Teaching: supervision of BSc, MSc and PhD students

Publications: English and Spanish publications in refereed and non-refereed journals



Guillermo J. Cabrera Walsh

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Education: Baccalaureate, St. Paul's College. Hurlingham, 1983

Biology Licentiate (Ecology, Entomology). University of Buenos Aires, 1991

Doctor in Biological Sciences. University of Buenos Aires, 2005

Professional career: Department of Biological Sciences. Ecology Area. Faculty of Exact and Natural Sciences. University of Buenos Aires. Ciudad Universitaria.

Nuñez. Buenos Aires. Course assistant Ecology (1993-1995)

South American Biocontrol Laboratory, USDA/ARS: Laboratory Technician

(March 1985 to December 1989); Research Technician (Jan. 1990 to September 2004); Project Leader (September 2004 to present)

Research interest: biological control of insects and weeds

Publications: publications in refereed and non-refereed journals in English and Spanish

**Luis Devotto M.**

Avda. Vicente Méndez 515, and Instituto de Investigaciones Agropecuarias (INIA), Chillán, Chile

Email: ldevotto@inia.cl

Education: Agronomy, Faculty of Agronomy, Universidad de Concepción, Chillán, Chile, 1993-1997

PhD in Agricultural Sciences, Universidad Austral de Chile, Valdivia, Chile, 2006

Professional career: Researcher, Instituto de Investigaciones Agropecuarias (INIA), Ministry of Agriculture, Chile, 1998-2006

Research interest: Biological control of agriculture and forest pests using entomopathogenic fungi; Apple production with lower reliance on chemical insecticides by integrating different BC approaches, GIS technology and basic ecological studies on codling moth

Publications: publications in refereed and non-refereed journals in English and Spanish, authored/co-authored three book chapters

3. Composition of newly elected Advisory Board IOBC/NTRS 2006-2010

President: M. Zapater (Argentina). Members: C. Basso (Uruguay), E. Botto (Argentina), Hugo Cesar Bernal (Mexico), O. Fernandez-Larrea Vega (Cuba), F. Ferrer (Venezuela), F. Garcia (Colombia), M. Gerding (Chile), R. Parra (Brazil). The Advisory Board can, of course, be enlarged to include representation of all Latin American countries with biological control activities. Proposals for potential new members should be sent to W. Cabrera.

Task of Advisory Board: to give both solicited and unsolicited advice to the Governing Board.

4. Goals of Governing Board IOBC/NTRS for the coming 4 years

Some of the plans of the new Governing Board are mentioned in the report of the Buenos Aires meeting below (see point 5 of this newsletter). During the first meeting of the new Governing Board, a priority list will be formulated. But we can now already say that we will work on:

1. Establish good contact with all current NTRS members (e.g. regular newsletters)
2. Establish a network of national contact persons for NTRS
3. Make clear the important role of natural and biological control in the sustainable and environmental friendly management of pest, diseases and weeds
4. Assist in publishing results of biocontrol research and application in the NTRS region
5. Organization of biocontrol courses and composition of a book about biocontrol with examples from our region
6. Encourage formation of regional Working Groups

5. Report of the IOBC/NTRS meeting in Buenos Aires, Argentina, May 2006

This meeting was organized to discuss possibilities for reviving the IOBC/NTRS section. The meeting was attended by:

- E. Botto (Argentina; previous board member NTRS)
- V. Bueno (Brazil; previous board member NTRS)
- M. Gerding (Chile; NTRS country representative)
- M. Zapater (Argentina, previous board member and initiator NTRS)
- J.C. van Lenteren (president IOBC Global)

5.1. Current situation of IOBC/NTRS

- when NTRS was running well, there were about 300 members and several working groups
- worldwide IOBC has 5,000 members, and 6 regional sections in order of number of members and activities: WPRS, NRS, EPRS, APRS, NTRS, ATRS
- Zapater and van Lenteren are currently writing a short paper about the history of NTRS, which will be included in a book that is currently written about the 50 years that IOBC is active.

It was concluded that the present crisis in IOBC/NTRS was the result of difficulties in and expenses of communication (slow mail, expensive telephone connection, expensive travel). Now that email and skype are easily available, costs for communication have been drastically reduced and speed of communication has strongly increased. An important limiting factor will remain the high travel costs involved in meetings. It was suggested that organization of IOBC meetings should, therefore, be linked to major Latin American entomological / biocontrol symposia (e.g. together with Siconbiol meetings in Brazil).

5.2. What should IOBC/ NTRS do in order to become an important and interesting organization for Latin American (LA) biocontrol workers?

Many ideas were mentioned, a summary is given below. NTRS (members) should:

- work on an improved visibility of and respect for biocontrol and biocontrol workers in Latin America
- stimulate and assist publishing of latin americal biocontrol results in good journals
- write a book on history and state of affairs of biocontrol in Latin America
- help young biocontrol workers with networking, information and courses so that they become more competitive on the job market
- start with networking within NTRS, between other sections and Global in order to assist one another in biocontrol projects
- organize high quality biocontrol/IPM courses (with evaluation and credits) and work on harmonized MSc programmes in biocontrol for the region
- try to make directory of biocontrol workers for the Latin American area like Mexico (http://www.controlbiologico.org.mx/ QuienesQuien/A_C.htm#A) and Cuba have done
- make clear to policy makers and officials of Latin American ministries of Agriculture and Environment how positive biocontrol can contribute to sustainable agricultural production and a cleaner environment
- identify funding possibilities for meetings and projects (FAO, WHO, EU, UNEP, etc. etc).
- create Latin American working groups on important biocontrol issues like:
 - harmonization in regulation/registration of biocontrol agents (macros, micros), collaborate with IOBC WPRS/Global working group
 - quality control of natural enemies
 - mass production of natural enemies (many small natural enemy producers can profit from this)
 - important LA pests / biocontrol projects (e.g. weed control, greenhouse biocontrol, etc.)

It was concluded that most of the above mentioned points can only be realized if NTRS members themselves are working hard on the realization of these ideas. Global and other Regional Sections will, of course, help where they can, and collaboration in many areas is possible.

5.3. Ideas on how to improve membership of IOBC NTRS

- use national coordinators that approach biocontrol workers to become IOBC member (there is a list of national coordinators initiated by Orietta – Cuba, and a list of one of the Governing Boards; these lists can be used to compile a new list)
- lobby for membership at national meetings, take membership application forms to meetings, help with filling out the form, accept cash payment on the spot
- make easy payment of membership fee possible (is already realized, everyone can pay by creditcard without extra costs)
- make it possible that persons can become IOBC member via their national entomological society (this was proposed for countries with many biocontrol workers, e.g. for Brazil)
- make it possible for large institutes to become member of IOBC for a reasonable fee, which then includes membership for all of their personnel

It was concluded that for most countries individual memberships would be the best. One needs to commit oneself to IOBC and this is best expressed by individual membership.

5.4. Biological control book for Latin America

- there are quite a number of national books on biological control in Latin America. van Lenteren will add these books to the appendix of books in the IOBC Internet Book of Biological Control
- a need is identified for a good book with a thorough overview of important historical case studies and the current state of affairs
- instead of a long preparation period for a printed book, the idea was put forward to start with an internet version in Spanish/Portuguese and write it step by step; at the same time start to work on texts for a printed version of the book in English/Spanish/Portuguese
- for this book, already existing papers and chapters of biocontrol books can be used
- in order to realize this book, it is necessary to develop a clear protocol for the composition (van Lenteren will provide an example), and to identify a coordinator (Hugo Cordo, Argentina, was mentioned as potential coordinator)

It was concluded that a good Latin American book on biological control would help improving the status of biocontrol in this region, and that a stimulating approach would be to start with a steadily growing, free for all version of the book on internet. This should then later be followed with a printed version.

5.5. Biological control/IPM training courses in Latin America

- suggestions:
 - include top foreign teachers, exam, certificate, credits (it must be important and attractive, so that it helps to be competitive in the biocontrol world, should distinguish a person)
 - base it on courses that are already given, make use of teachers, manuals (Cuba, others ?)
 - “travelling” courses; same course given in different regions of Latin America
 - Orietta (Cuba) mentions that there are quite some courses, but integration / evaluation is not harmonized, regional committee on this activity so the courses can be included in masters, phd programmes?
- structure of course (lectures / practicals), topics, funding (FAO, IOBC, EU, other), manual, teachers
- place, link to important biocontrol meeting to increase participation?
- if we agree on organization of a course: propose a coordinator

It was concluded that education possibilities in biological control for undergraduate and graduate students are very limited in many Latin American countries, but well developed in

several others. Also post graduate training possibilities in specific aspects of biological control are often lacking in Latin America. A Latin American working group on these issues is suggested to make an inventory of the problems and possibilities.

5.6. Proposal for new Governing Board and Advisory Board

- the composition and tasks of both Boards were extensively discussed.
- the idea to, whenever possible, appoint relatively young persons in the Governing Board, who will have time and who speak English, was supported
- the tasks of the President, Secretary General and Treasurer of the Governing Board are described in the Statutes of IOBC NTRS, but it was suggested to also specify tasks for each of the Vice Presidents (e.g. coordination and development of courses, coordination of the writing of the biocontrol book, etc)
- the composition of the Advisory Board can be flexible, and important biocontrol workers of each of the Latin American countries could be represented in this Board
- the Advisory Board will be chaired by a President, other official functions are not needed
- the main task of the Advisory Board will be to give both solicited and unsolicited advice to the Governing Board
- after candidates have confirmed their availability for a function in the Governing Board and Advisory Board, an election can be organized

It was proposed that the candidates for the Governing Board are all asked to send a short CV and a photograph to Joop van Lenteren (Joop.vanLenteren@wur.nl) and Hugo Cesar Bernal (secretary general NTRS: hcesar@prodigy.net.mx). The above proposal with cvs and photographs of the candidates will be sent by email to all members of NTRS IOBC. An election will then be determined by an email ballot submitted to all current regular members of IOBC NTRS. The election will be organized by Joop van Lenteren and Hugo Cesar Bernal.

5.7. Voting.

The point was raised that the rules for voting need to be adapted now that IOBC Global has created possibilities for free membership. The idea arose that in the current situation one vote should be given to each country/each biocontrol institute in a country with free IOBC membership, and that the voting person will normally be the national coordinator of that country. This issue will be discussed at the first meeting of the new Governing Board and we will ask advice from the NTRS Advisory Board.

5.8. Finances IOBC/NTRS

- IOBC/NTRS seems to have a positive balance of some 900 US\$. Currently, membership can be paid to IOBC Global by creditcard without any extra costs for the person paying. Global will pay the Region on a regular basis their part of the membership fees. It might be necessary to start a bank account in the country of the new Treasurer. Like for IOBC Global, an auditing committee (e.g. two members of the Advisory Board) is proposed to check the finances on a yearly basis.
- the new Governing Board of NTRS will need to identify funding possibilities for meetings and projects (FAO, WHO, EU, UNEP, etc. etc).



Participants at Buenos Aires meeting (March 2006)

Left to right: Prof. dr. M. Zapater, Dr. E. Botto, Prof.dr. V.H.P. Bueno, Dr. M. Gerding & J.C.van Lenteren

6. Previous newsletters

IOBC/NTRS produced the following newsletters. These newsletters will be put as PDF files on NTRS pages of the website of IOBC Global later this year: see www.IOBC-Global.org.

No. 1 May 11, 1990 edited by Peter Baker, 12 pages.

No. 2 December, 1 1990 edited by Peter Baker, 10 pages.

No. 3 July 1, 1991 edited by Peter Baker, 11 pages.

No. 4 December 31, 1991 edited by Peter Baker, 15 pages.

No. 5 December 31, 1992 edited by Peter Baker, 19 pages.

No. 6 October 15, 1993 edited by Peter baker & Miguel Zapater, 11 pages.

No. 7 November 15, 1994 edited by Miguel Zapater, 9 pages.

No. 8 August 1, 1995 edited by Miguel Zapater, 9 pages.

No. 9 December 10, 1995 edited by Miguel Zapater, 13 pages.

No. 10 December, 1996 edited by Francisco Ferrer & Miguel Zapater, 10 pages.

No. 11 (1) June 1999, edited by Hugo Cesar Arredondo & Marco Antonio Melin, 14 pages.

No. 12 (2) June 2001, edited by Hugo Cesar Arredondo, 9 pages.

No. 13 (1) December 2004. edited by Orieta Fernández –Larrea & Luis Vazquez Moreno, 6 pages.

7. Biocontrol in IOBC/NTRS region: are the data correct?

Several years ago, when discussing the application of biological control in Central and South America, it was clear that Latin America is performing very well both in classical biological control, as well as in augmentative control. With the help of many Latin American colleagues, we started to collect data about augmentative biocontrol. This resulted in the following paper: *J.C. van Lenteren & V.H.P. Bueno, 2003. Augmentative biological control of arthropods in Latin America. BioControl 48: 123-139.* If you like to receive a pdf version of this paper, please contact Prof. Bueno at vhpbueno@ufla.br. In this paper we presented the history and current situation of biocontrol in Latin America. Although we did our best to give a complete picture, we are sure that more is going on and that we might have made mistakes. **Please be so kind to read the paper and send us your comments at vhpbueno@ufla.br.** We will summarize the comments in the following newsletter, and, of course, acknowledge your contribution in the updated version of the paper.

8. Meetings in the IOBC/NTRS region in 2006

The 4th Latin American Congress on IPM and Biological Control of IOBC/NTRS, was held in Colombia, 30 May- 2 June, 2006. For information, contact Dra Fulvia Garcia, Cali, Colombia; email: fulviagarcia@latinmail.com. For a report of this meeting: see the Spanish version of this newsletter.

An IOBC/NTRS supported symposium will be held during the 21st Brazilian Entomological Congress, Recife/Salvador, 7-12 August 2006. For information, contact Vanda Bueno: vhpbuono@ufla.br

For an agenda of worldwide meetings in biological control go to www.IOBC-WPRS.org, and then to meetings.

Do you have meetings to announce: please mail the details to your Secretary General: Willy Cabrera at: gcabrera@speedy.com.ar

9. How to become member of NTRS (we need you!!)

Please go to www.IOBC-Global.org, next go to membership, then download membership registration form and print it, fill it out and send it to the treasurer of IOBC Global, payment is by credit card without extra costs for you! To know what the fee is for your country, look at the IOBC Country Grouping file which is also at the IOBC website.

10. Latin American books on biological control



Some examples of Latin American books on biological control. Do you know other books? Please send a jpeg picture of the front page, the book title and a short summary (max ½ a page) to Joop.vanLenteren@wur.nl. The book will then be included in the IOBC Internet Book of Biological Control (see www.IOBC-Global.org)

Please send your news about biological control in Latin America for the next newsletter to:

Willy Cabrera at: gcabrera@speedy.com.ar

This newsletter was edited by V.H.P. Bueno, M. Zapater and J.C. van Lenteren, 10 July 2006