



Issue 10

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eConnection Update

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■ Issue 10 of eConnection

Welcome to the first issue of eConnection for 2006. IRAC has had a busy three months so in this issue we report on some of the IRAC meetings and Team Conference Calls that have taken place over the last quarter, the upcoming IRAC International Spring Meeting in Edinburgh, a report on the newly formed German Expert Committee on Pesticide Resistance – Working Group Insecticides, Acaricides (ECPR-I) and an early announcement of the Resistance Conference at Rothamsted (R2007).

As always past issues of eConnection and further details on the items reported can be found on the IRAC website: www.irc-online.org.

■ How to Subscribe or Unsubscribe from eConnection

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If you have a colleague who would be interested in the IRAC eConnection and website please forward this link to them so they can subscribe free of charge at: <http://www.irc-online.org/about/econnection.asp>

■ Spread the Word

If you have Resistance Management information that you think should appear in eConnection or on the IRAC website contact us with details at: aporter@intraspin.com

IRAC News

■ IRAC US

IRAC US held meetings at the Entomological Society of America (Dec 05) and Beltwide Cotton (Jan 06) conferences with a follow-up conference call at the end of January. Discussions focussed around the appointing of a new person (Venkat Pedibhotla, BASF Corp.) to head up the educational sub-committee, research funding proposals made to IRAC and recent developments to the Michigan State University Insecticide Resistance Database which is partly funded by IRAC. The US group also sponsored a symposium at the Entomological Society of America Meeting in December 2005. The symposium was titled "IRAC Symposium on Insecticide Sustainability: Neonicotinoids" and the objective was to review current status of neonicotinoid use and resistance management implementation relative to chemical class sustainability. The presentations from the symposium will be posted on the IRAC website in the future.

■ IRAC International

IRAC International held two of their regular Conference Calls in January and March where the various teams and sub-groups reported progress. The Regulatory Team advised of proposed future interactions with the ECPA Efficacy Expert Group, the EPPO panel on Resistance Risk Assessment and with IRAC US, CropLife America and the US EPA. The Communication and Education Team updated the group on the IRAC website developments, progress on the eConnections newsletter and the distribution of the new IRAC communication pack. (See below for more on this.) The Biotech Team, a new group formed at the end of 2005 held a conference call in January where they established their 8 key goals and objectives for 2006. Plans are now being finalised for this years two day Spring meeting which will be held in Edinburgh, Scotland. Representatives of all 6 member companies have booked to attend as well as Country Group representation. The results from this meeting will be reported in the next eConnection. Further information and meeting/conference call minutes are available on the website to IRAC members.

■ IRAC Communications Pack

A new IRAC handout resource is now available with information on the activities of IRAC, the current Mode of Action (MoA) Classification scheme and an A1 size poster

listing the insecticide actives with structures according to their MoA groups and sub-groups. Around 1500 of these have been distributed via IRAC members and at various conferences. Copies can be obtained free of charge from your company IRAC representative or via the feedback/contact form on the website at:
www.irc-online.org/contact.asp.

Resistance News

■ New German Insecticide Resistance Group

The 2nd meeting of the German Insecticide Resistance Action Group was held in mid December 2005. The new official name of the group is "Expert Committee on Pesticide Resistance – Working Group Insecticides, Acaricides (ECPR-I)". The Meeting was attended by 30 colleagues from different disciplines, i.e. extension services, industry and regulatory bodies. The committee will be chaired by Udo Heimbach and his deputy Martin Hommes, both from the Federal Biological Research Centre for Agriculture and Forestry (BBA), Braunschweig. Ralf Nauen (Bayer CropScience), Vice-Chair and Treasurer of IRAC International, was elected as secretary.

A total of 18 presentations were given by the attendees. The major focus of the meeting was on pyrethroid resistance in pollen beetles, and it was reported by several speakers that many populations of *Meligethes aeneus* collected in Germany showed drastically reduced susceptibility. Laboratory tests carried out on other oilseed rape pests revealed their susceptibility to pyrethroid insecticides, except for one population each of *Ceutorhynchus napi* and *C. pallidactylus*. Other papers dealt with Colorado potato beetle resistance, aphids as virus vectors in potatoes, possible control strategies for *Diabrotica virgifera*, baseline susceptibility testing in thrips and hop aphids. A core team of the German ECPR-I additionally met in early March to agree on a standard bioassay procedure for pollen beetle resistance testing. The method will be used in 2006 by all groups involved in pollen beetle resistance surveys in Germany. The next full ECPR-I meeting will be held in December 2006.

Protocols of all meetings and further information can be accessed on the BBA website at: www.bba.de.

■ RESISTANCE 2007: An International Conference, 16-18 April, 2007

This major international conference, the fifth in an ongoing series, will review the latest research on the origins, nature, development and prevention of resistance to insecticides, fungicides and herbicides. It will provide a forum for researchers, consultants, regulators and industrialists to present and discuss approaches to overcoming this increasingly important constraint to effective crop protection. Themes will include:

The current status of resistance to pesticides
 Resistance mechanisms
 Population biology and modelling
 Applications of genomics
 Risk assessment and risk management
 Transgenic crops

To register your interest in attending and contributing, please visit the Rothamsted website or contact the Resistance 2007 Conference Secretariat Office at:
www.rothamsted.ac.uk/Research/Resistance2007.html
 Rothamsted Research, Harpenden, Hertfordshire, AL5 2JQ, UK
 Tel: (+44) (0) 1582 763133, Fax: (+44) (0) 1582 760981
 E-mail: res.2007@bbsrc.ac.uk

Conferences & Symposia

Further details on the Conferences & Symposia can be found on the diary page of the IRAC website at: www.irc-online.org/diary.asp.

- IPM Conference, St Louis, 4-6th April 2006
- IUPAC Conference, Kobe, Japan, 6-11th August 2006
- European Congress of Entomology, Izmir, Turkey, 17-22nd Sept. 2006
- 4th International Bemisia Workshop, Florida, 3-6th December 2006
- Intl. Whitefly Genomics Workshop, Florida, 7-8th December 2006
- Joint Entomological Societies (Germany, Switzerland, Austria) Meeting, Innsbruck, Austria, 26 Feb - 1 March 2007
- RESISTANCE 2007, Rothamsted, 16-18 April, 2007

For further information about IRAC, the new website and eConnection please contact Alan Porter, IRAC International Coordinator, aporter@intraspin.com.

