



Insecticide Resistance Action Committee

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# Lepidoptera Working Group

Jim Dripps, Chair

Ralf Nauen, Vice-chair

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# Lepidoptera Working Group Members

**Eric Andersen**, *Cheminova* (Denmark)\*

**Enrique Ariso**, *Makhteshim Agan*  
(Argentina)

**Andrea Bassi**, *DuPont* (Italy)

**Jim Dripps**, *Dow AgroSciences* (USA)  
Chair\*

**Jean-Paul Genay**, *Nufarm* (France)

**Werner Heck**, *BASF* (Germany)

**Sybille Lamprecht**, *Bayer CropScience*  
(Germany)\*

**Paula Marcon**, *DuPont* (USA)

**Ralf Nauen**, *Bayer CropScience*  
(Germany), Vice-chair\*

**Alan Porter**, *IRAC* (United Kingdom)\*  
Ad hoc

**David Rogers**, *BASF* (USA)\*

**Celine Roux**, *Makhteshim Agan*  
(France)

**Robert Senn**, *Syngenta* (Switzerland)\*

**Luis Teixeira**, *DuPont* (USA)\*

**Harvey Yoshida**, *Dow AgroSciences*  
(USA)

\* *Attending IRAC Annual Meeting*

# Lepidoptera Working Group

- Overview of 2012

- A transitional year

- Lep WG Membership streamlined following merger with Codling Moth WG in 2011

- 18 members at end of 2011, 15 members throughout 2012

- Four members left the team, one new member joined

- WG Chairperson change in September

- Progress toward greater linkage with Diamide WG

- Good progress on planned educational materials.

# Lepidoptera Working Group

- Accomplishments
  - *Spodoptera exigua* (beet armyworm) poster completed
  - *Tuta absoluta* poster translated into Italian
  - *Plutella xylostella* (diamondback moth) poster updated

# Lepidoptera Working Group

- On-going/in progress activities
  - *Spodoptera frugiperda* (fall armyworm) poster started
  - Review of lep pest webpages at IRAC website
  - *Lobesia botrana* poster
  - *Cydia pomonella* poster

# Lepidoptera Working Group

## 2012 Goals and Objectives

- Provide information on Lep pest resistance issues globally
  - Identify IRM needs for *Plutella xylostella*, *Spodoptera frugiperda*, and *Spodoptera exigua*
    - Monitor resistance status
    - Analyze findings
    - Compile relevant recommendations
    - Share information with relevant WGs and CGs
- Develop educational materials on Lep pest IRM
  - Prepare “Principles of IRM in Lepidoptera Control” materials (e.g. Poster, Booklet, Slides) **on hold until C&E booklet is completed**
  - Finish *Spodoptera exigua* and *Lobesia botrana* posters
  - Prepare *Spodoptera frugiperda* and *Helicoverpa zea* posters

# Lepidoptera Working Group

## 2012 Goals and Objectives, continued

- Develop a plan for increased outreach activities of the Lep WG
  - Identify specific international and national meetings related to lep pest management where the Lep WG and IRAC should be represented.  
**Discussed several times, few meetings/conferences have been identified other than Entomological Society of America in USA.**
  - Represent IRAC on relevant international meetings dealing with lep pests (in co-operation with other WGs/CGs).
- Support other IRAC WGs and CGs
  - Work to ensure consistency of IRM messages across WGs and CGs
  - Increase exchange of information and joint review of documents with Diamides WG and other WGs and CGs.

# Lepidoptera Working Group

- 2013 Goals and Objectives
  - Maintain same basic goals as 2012.
  - Focus on fewer, but more achievable, objectives.



# Lepidoptera Working Group

- Proposed themes for developing 2013 Goals and Objectives
  - Identify unmet IRM needs for lepidopterous pests.
  - Translating IRM recommendations into product label wording that is consistent and understood by end-users.
  - Leverage and expand interaction with Diamide WG at international and country levels.
  - Increase impact of Lep WG IRM education materials by tailoring content, recommendations, and language to specific parts of the world. Focus on IRAC website.
  - Review lep pest bioassay methods.

# Lepidoptera Working Group

- Thank you
  - Lep WG team members for their efforts in 2012.
  - Sybille Lamprecht for serving as WG chair for past 2 years.
  - Alan Porter for ongoing support.
  - Organizers and hosts of the 2013 Annual Meeting.