

# Session 3

**International Working Group & Country Group Review  
46<sup>th</sup> Meeting of IRAC International, Brussels, Belgium**

**Wednesday - March 30<sup>th</sup>, 2011**

**Plant Biotechnology Update**

**Nick Storer & Gary Thompson**





Insecticide Resistance Action Committee

## Expanded Team Membership

- **Nick Storer (Dow AgroSciences) (Team Leader)**
- **Bruce Stanley (DuPont)**
- **Elizabeth Owens (Pioneer)**
- **Graham Head (Monsanto)**
- **Gary Thompson (Dow AgroSciences)**
- **Jonathan Holloway (Bayer)**
- **Paul Neese (BASF)**
- **Ryan Kurtz (Syngenta)**
- **Tim Dennehy (Bayer)**
- **Walt Mullins (Bayer)**

## Team Goals

- **Improve cross-industry cooperation towards common goals**
- **Promote practical approaches to resistance management for insect-protected biotech crop**
- **Assist country and regional industry associations develop locally appropriate IRM programs**
- **Provide forum for exchange of information on putative and real resistance incidents**
- **Deliver practical IRM outreach**
- **Promote IRM considerations as integral component of Bt crop development by public and private sectors**

- **Collaboration with CropLife International**
  - Provide on-going expert advice to Plant Biotechnology Stewardship Committee
  - Guided development of “Train-the-Trainer” program based on IRAC publications and educational materials
    - Program to be used at CropLife-sponsored workshops in support of practical and effective biotech stewardship
  - Working to improve communication through key CropLife country associations on the importance of responsible IRM implementation
  - Providing guidance for development of an IRM workshop in Africa

- **Education and outreach**
  - Streamlined slide deck (to be completed)
  - Updated Team poster (to be completed)
- **Publications in development**
  - Principles of monitoring for resistance to Bt crops – interpretation of laboratory and field data
  - Global status of resistance to Bt crops
  - Several others to be prioritized
- **Reviewed IRM proposal for Bt corn in the Philippines**
- **Reviewed Bt crop IRM programs in China with Professor Kongming Wu, Director General, Institute of Plant Protection, Beijing, China**



# Goals & SMART Objectives 2010/11 TO BE UPDATED FOR 2011/12

Insecticide Resistance Action Committee

Goals	Objectives	Timeline
Promote practical approaches to resistance monitoring	<ul style="list-style-type: none"> <li>• Deliver method for less-than-high-dose pests, such as Helicoverpa</li> <li>• Develop peer-reviewed paper(s) and training module on proper use of monitoring programs and data</li> <li>• Clarify appropriate use of lab bioassay monitoring and unexpected damage information</li> </ul>	<p>Q3</p> <p>Q3</p> <p>Q3</p>
Unified messaging around resistance incidents	<ul style="list-style-type: none"> <li>• Develop internal and external understanding of field-relevant resistance</li> <li>• Promote appropriate interpretations of and responses to resistance reports</li> </ul>	Q2
Continue to deliver practical IRM messaging through workshops, conferences	<ul style="list-style-type: none"> <li>• Promotion of whitepaper via Resistant Pest Management News, IRAC e-Connection, CropLife newsletters, and other avenues</li> <li>• Presentations to key audiences in geographies developing IRM guidelines</li> <li>• Refine slide deck for audiences with biotech grounding; Make slide deck available as pdf on IRAC website</li> </ul>	<p>Q1-Q2</p> <p>On-going</p> <p>Q2-Q3</p>
Promote IRM considerations as integral component of Bt crop development by public and private sectors	<ul style="list-style-type: none"> <li>• Work with public sector scientists and groups to promote responsible, practical IRM programs</li> <li>• Identify opportunities for workshops for the leaders and funding sources of such efforts</li> </ul>	On-going