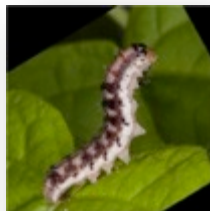




Insecticide Resistance Action Committee

Outreach Team Highlights 2015/16

50th IRAC International Meeting, Dublin
April 5-8th, 2016



Outreach Team: Current members (11)

Team Members (WG Representatives):

- Alan Porter (Leader)
- Alejandro Arevalo (S. Pests)
- Brad Hopkins (MSU Database)
- Frank Wessels (Methods)
- John Andaloro (Leps)
- Mark Hoppe (P. Health)
- Ralf Nauen (Steering, Crop WGs)
- Ronda Hamm (P. Health)
- Tami Danon (Leps)
- Tom Sparks (MoA)
- Russell Slater (IRAC Chair, Steering)

Note: No representative from Biotech but team is supported directly by CropLife Biotech

Outreach WG Meetings:

2015/16: March Spring call meeting followed by 2 further calls – most communication by email

IRAC Outreach Goals: 2015/16

- Maintain and improve the website as the main IRAC Outreach
- Communicate IRM & IRAC news through the circulation of newsletters
- Maintain and improve the MoA Mobile App.
- Develop IRAC IRM resources leveraging outreach via the IRAC & CropLife networks
- Upgrade, update and maintain the MSU Database

IRAC Website: Continual process of improvement



GENERAL RESOURCES

- [THERE'S ONLY ONE ALTERNATIVE](#)
- [RESISTANCE IS EVERYONE'S PROBLEM](#)
- [RESISTANCE - THE FACTS](#)
- [RESISTANCE MANAGEMENT SLIDE SHOW](#)
- [UNDERSTANDING THE QUIZ](#)
- [RESISTANCE SURVEY](#)
- [RESISTANCE SURVEY QUESTIONS ... pdf](#)
- [PUBLICATIONS](#)
- [MODE OF ACTION CLASSIFICATION](#)
- [POSTER AND LEAFLETS New!](#)

1998



- About IRAC
- General Resources
- Country Groups
- Project Groups
- International Section Newsletter
- Grower Section Links
- Useful Activities
- Current Members Only

The Insecticide Resistance Action Committee was formed in 1984 to provide a coordinated crop protection industry response to the development of resistance in insect and mite pests. The mission of IRAC is to develop resistance management strategies supporting the use of crop protection and vector control products in a way that maintains efficacy and results in sustainable agriculture and improved public health.

Update May 2002
What's New:
 Design an IRAC Cartoon Bug and Win \$500 Travel Voucher
[E-mail us for details](#)
 Visit the new [Resistant Pest Management Newsletter](#)

Search this site:

Find

IRAC Conference Call July 16, 2002

IRAC Coding Moth Workshop, Thessalonika, 10/02

New on the Website:
[Summary of Achievements in IRAC India](#)
[Living with resistance in India](#)
[IRAC India](#)
[IRAC Australia - Registration and RM Strategies](#)
[IRAC Coding Moth Registration - R2001 Meeting](#)
[IRAC Spain - Brochure](#)
[Recent IRAC Country Meeting Minutes \(US, Australia and India\)](#)
[37th IRAC Int Meeting Minutes](#)
[Presentations from the 37th IRAC Int Meeting](#)

2000



Insecticide Resistance Action Committee

- About IRAC
- Resources
- IRAC International
- Country Groups
- Growers

Resistance Management from IRAC

The Insecticide Resistance Action Committee (IRAC) is an inter company group formed in 1984 to provide insecticide and acaricide resistance management strategies to help reduce the development of resistance in insect and mite pests. IRAC believes that Resistance Management should be an integral part of Integrated Pest Management and provides for Sustainable Agriculture and improved Public Health.



This new IRAC website has been designed to make it easier to navigate and locate Resistance Management information - the "top-down" menus above lead to further details. We hope you find the site a useful resource.

Links to recent Insecticide Resistance Management information

- General Principles of Insecticide RM
- New IRAC Posters
- IRAC Test Methods - New
- IRAC Int. Meeting, 2002 (Members Only)
- IRAC Information November 2005
- IRAC Int. Regulatory Test Methods 2006 (Members Only)
- IRAC Int. C & E Team Meeting 2006 (Members Only)
- IRAC Int. Conference Call - Action Log, March 2006 (Members only)
- IRAC US Meeting Minutes, April 2006 (Members only)

IRAC & IRM in the Spotlight
 Latest IRAC eConnection - Issue 10
 Outlook on Pest Management - IRAC Review Article

- quicklinks
- MOA Scheme DS
 - New Group Guide
 - IRAC Guidelines
 - IRAC Methods
 - IRAC Posters
 - IRAC Website
 - IRAC Database
 - IRAC Website
 - IRAC Website
 - IRAC Website
- upcoming events
- IRAC Conf Calls
 - IRAC C & E Team
 - IRAC Meeting
 - IRAC eConnection
 - IRAC Conference
 - Bornis & VWHIT
 - Genomics Workshops

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2007



2009



2011



IRAC
Insecticide Resistance Action Committee

Resistance Management for Sustainable Agriculture and Increased Crop Health

HOME NEWS ABOUT TEAMS PESTS CROPS MODES OF ACTION TEST METHODS INDEX

LOGOUT | Search

SEARCH

HOME NEWS ABOUT TEAMS PESTS CROPS MODES OF ACTION TEST METHODS INDEX

LASTEST: New IRAC IRM Leaflet Aimed at Growers Now Available. READ MORE

INSECTICIDE RESISTANCE MANAGEMENT
EXPLAINED, IN VIDEO

WATCH NOW

IRAC is promoting the effectiveness of insecticides, acaricides and herbicides by engineering insecticide resistance management strategies, counseling the development of resistance in the three core sectors of Traditional Crop Protection, Plant Biotechnology and Public Health.

IRM Resources
Communication and education is key to promoting awareness of insecticide resistance and effective resistance management strategies and tactics. IRAC has published a wide-range of communication and educational material, all of which are available free to download from the website. Printed copies of the booklets and the Modes of Action structure poster in English are available via the IRAC Coordinator.

IRM Resources

Mode of Action

Methods

Pests

Publications

Presentations

A global response to a global problem
Insecticide resistance management is a global challenge, and IRAC is delivering strategic responses worldwide with localized as well as international initiatives.

2014

Latest News

Mar 21 New IRAC IRM leaflet aimed at growers now available
Top Executive, Leading Pests, Outreach, Operations, Collections

Apr 11 Links to updated Australia IRM strategies available
Top Executive

See all news

SUBSCRIBE HERE
Subscribe to the IRAC eConnection to receive our latest news in your inbox.

Your name

Your email

SUBSCRIBE

See our latest news Unsubscribe

Next Event

Apr 5 50th IRAC International Meeting, 2016
Online

See all future events

IRAC Events

Apr 5 50th IRAC International Meeting, 2016
Online

Nov 18 IRAC US Symposium Series No.11, 2015
Onsite

Download our free MoA App
We'll send you modes of action by chemical class or active form or groups.

Download on the App Store

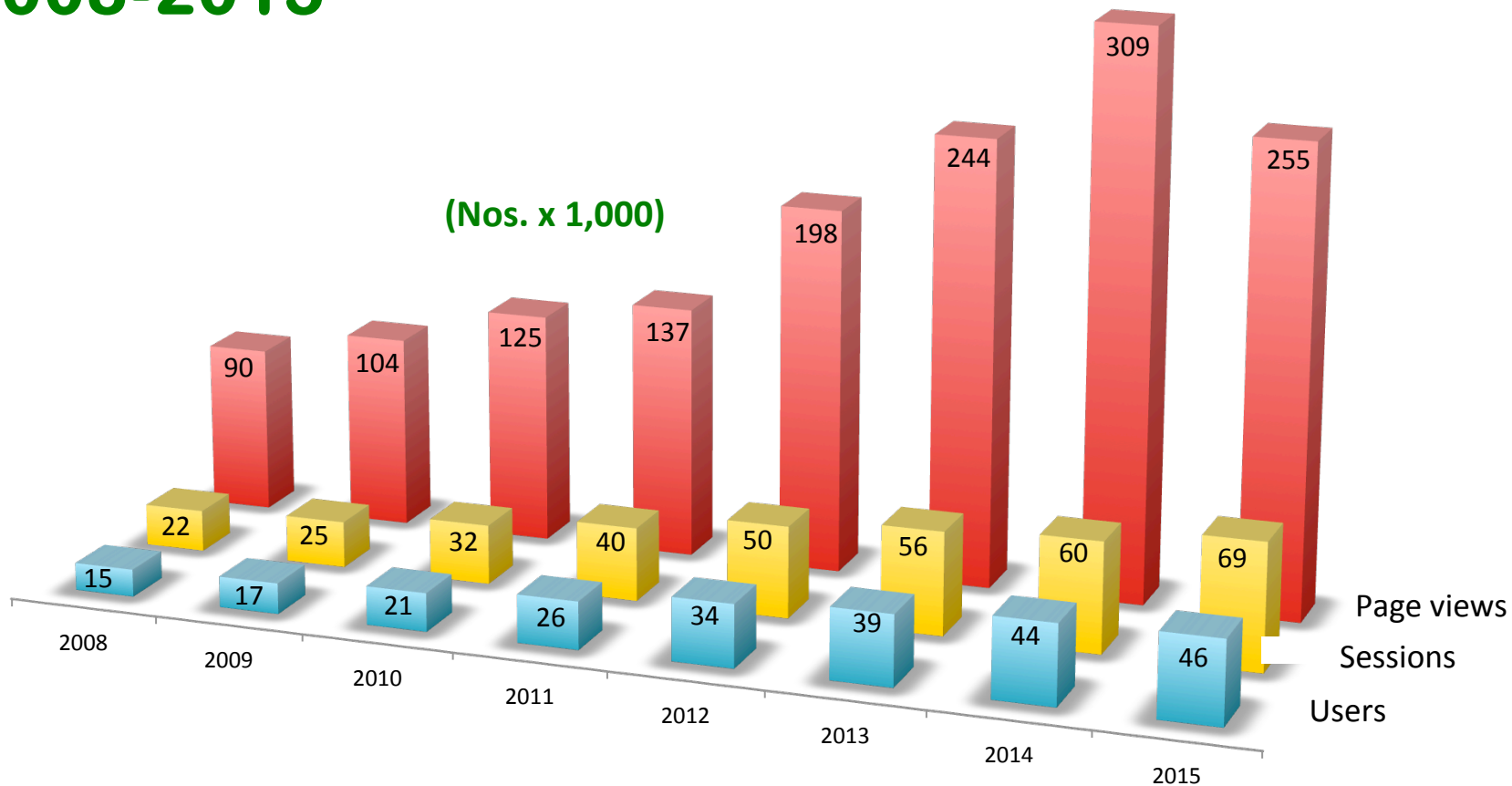
GET IT ON Google play

FMC MONSANTO WILHELM MUELLER WILHELM MUELLER SUMITOMO CHEMICAL syngenta VESTER

IRAC Website: Highlights 2015/16

- Technical improvements to 2014 upgrade continued
- Enhanced speed, functionality, links and navigation
- Updated WordPress CMS version & associated plug-ins
- Improved compatibility with newer browser versions
- Updated login, now re-positioned to top of page
- Updated hero carousel and call to actions
- Addition of branding page with logo style options
- Team poster links now shown as screenshot thumbnails
- Further new content: posters, minutes, videos etc.

IRAC Website: Visitor statistics 2008-2015



Key:

- Date ranges: January - December
- Page views: Total number of pages including repeat views
- Sessions: A session is the period a user is active on the site
- Users: Visitors with at least one session (new and returning)

Top Pages Visited:

- Home
- MoA (eClassification)
- MoA Team
- Pests
- Methods

IRAC Newsletter: eConnection

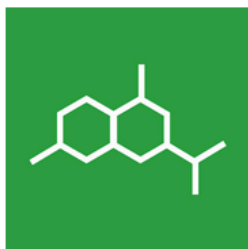
- Issue 36 (June '15) - MoA
- Issue 37 (July '15) - CSFB in Europe
- Issue 38 (Dec '15) - Diamide Resistant *T. absoluta*
- Issue 39 (April '16) - Methods paper
- Issue 40 (Proposed May '16)
 - Report from Brazil Task Team
 - Latest MoA Classification update
 - New IRAC IRM Leaflet and Video
 - Spring Meeting Report



**Distributed by
MailChimp
Distribution = 3,014**

IRAC MoA Phone App

Updated 2015 to match the MoA Classification Version 7.4 – further update needed.



IRAC Mode of Action

intraspin.com Books & Reference

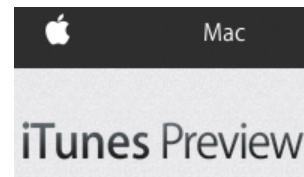
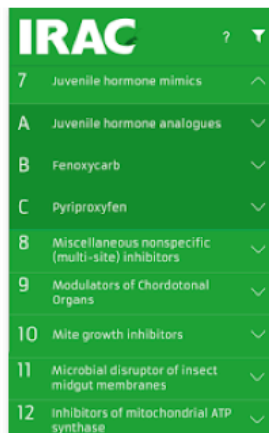
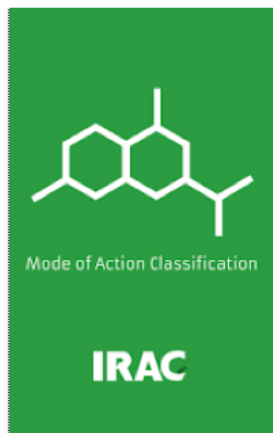
★★★★★ 71

PEGI 3

You don't have any devices

Add to wishlist

Install



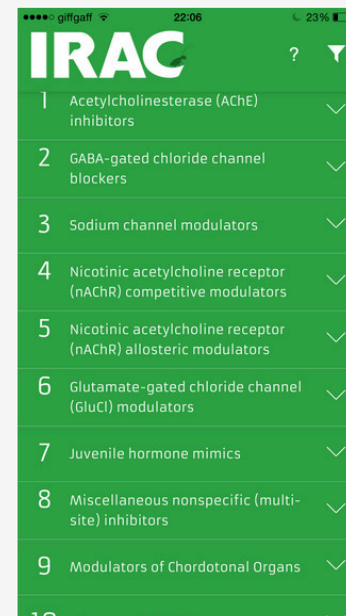
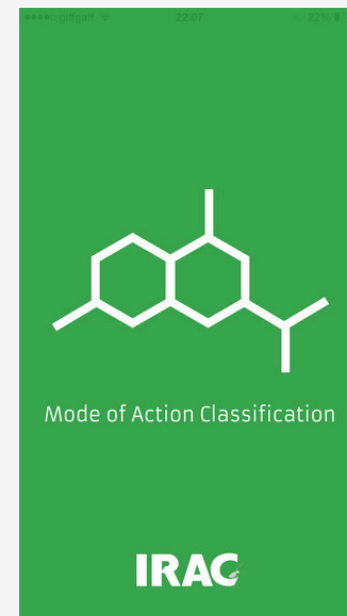
Description

The IRAC Insecticide Mode of Action (MoA) Classification for your mobile device is an easy to use searchable database which allows you to identify insecticide active ingredients and their respective MoA groups without the need for a data connection.

What's New in Version 3.2

Mode of Action Classification updated to Version 7.4
Improved appearance
Various bug corrections

Screenshots



The IRAC Insecticide Mode of Action (MoA) Classification for your mobile device is an easy to use searchable database which allows you to identify insecticide active ingredients and their respective MoA groups without the need for a data connection.

IRAC Outreach Material: IRM Leaflet & Video

What are the benefits of Insecticide Resistance Management?



- SAVES MONEY**
 - Maintains the most effective products for longer periods
 - Reduces the need to switch to more expensive or less preferred methods of control
 - Maintains yield expectations and ensures sustainable production
- SAVES TIME**
 - Less time spent in the field as the need for repeated applications is reduced
 - Less effort and worry trying to achieve effective pest control
- ENHANCES SAFETY OF PRODUCE**
 - Reduces need for repeat insecticide applications, minimizing residue risks on produce
- PROTECTS YOUR HEALTH AND LAND**
 - Resistance management practices increase worker safety and protects the environment


For more information on how to manage resistance effectively, please see the leaflet or contact your local agronomist.

IRAC
Insecticide Resistance Action Committee

www.irc-online.org



KNOWING YOUR INSECTICIDE MODE OF ACTION IS THE KEY TO RESISTANCE MANAGEMENT

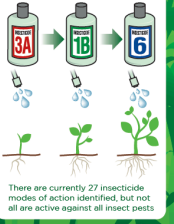


Do you know?

- Although there may be many insecticides available to growers, many control insects with the same mode of action
- When insecticides with the same mode of action are used repeatedly, insecticide resistance can develop quickly and the insecticide stops working

Follow this rule

To prevent resistance, alternate insecticide with different mode of action numbers.



There are currently 27 insecticide modes of action identified, but not all are active against all insect pests


The insecticide mode of action can easily be identified by the IRAC mode of action classification label.

All insecticides which share the same number have the same or similar modes of action. Therefore if resistance develops to one insecticide, it is likely that other insecticides from the same group will also be affected by the resistance.

ADDITIONAL KEY ADVICE TO AVOID RESISTANCE DEVELOPMENT

- Combine the use of chemical, biological and other pest control methods in an integrated pest management (IPM) program
- Scout for pests and apply only when economic thresholds are met
- Follow label instructions on the use of each insecticide product, including rates and water volumes
- Check and maintain spraying equipment and replace spray nozzles when needed
- Target the most susceptible life stages of the pest insect
- Try to use insecticides which have a minimal impact on natural pest enemies
- Avoid using insecticides with similar mode of action when it is known that the target pests in your area have become resistant to them

MEMBERS OF IRAC INTERNATIONAL





Video: A introduction to insecticide resistance and IRM

Developing outreach material in conjunction with CropLife leveraging their network for promotion and distribution.

Grower IRM Leaflet

IRAC Outreach 2016/17

Outreach goals and budget for 2016/17 to be discussed during Friday's session following the outcomes from the Spring Meeting.

Thanks to the Outreach Team for all their help and input during the year.



Resistance Database Update - Brad