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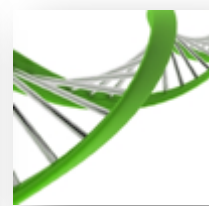
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COMITÊ BRASILEIRO DE AÇÃO A RESISTÊNCIA A INSETICIDAS

# IRAC Task Team Meeting

## Welcome and Overview



- **Safety**
- **Overview**
- **Members**
- **Mission**
- **Projects**

# IRAC-BR – Overview

- **Founded: 05/may/1997**
- **Members: 16**
- **Consultant: 2**
- **Fees (2014):**
  - **By project**
  - **Companies**
- **Meeting:**
  - **2 times a year**

# IRAC-BR – Members

ADAMA BRASIL | Arysta Life Science | BASF | Bayer Crop Science | Dow AgroSciences  
| DuPont do Brasil | FMC Química do Brasil | Iharabras S.A. | Monsanto do Brasil |  
Nufarm | Ouro Fino Agrociência | Sipcam Nichino Brasil | Syngenta Proteção de  
Cultivos | Sumitomo Chemical do Brasil | UPL | MAPA

## Chair members

**Presidente:** Fabio Andrade Silva (DuPont)

**Vice-Presidente:** Renato Carvalho (Monsanto)

**1º Tesoureira:** Cristiane Muller (Dow AgroSciences)

**2º Tesoureiro:** Francisco Lozano (Bayer)

**1º Secretária:** Rosana Serikawa (DuPont)

**2º Secretária:** Ximena Vilela (Ihara)

## Consultants

**Dr. Celso Omoto (ESALQ/USP)**

**Dr. Raul Guedes (UFV)**

# IRAC-BR – Mission

Keep all the chemical group of insecticide and miticides and also GMO plants as viable alternatives on IRM for insects and mites in program with partnership with GROWERS, UNIVERSITY, RESEARCH AND ADVISORS, to better manage all tactics in sustainable wa

*“Objectives of IRM are to delay resistance, not prevent it”*

**Tim Dennehy**

# IRAC-BR – Goals

- **How to reach**

- Proactively working on “preventive programs”
- When necessary, identification /confirmation of the problem
- Consolidation and distribution of the information from researcher on IRM
- Generate guidance about risks and how to manage the risks
- Promote collaboration with University, consultant, growers, CPP companies, etc...
- Promote education
- Standardize and validate recommendation of methodology
- Promote IRM strategies
- Establish working group to design and deploy best IRM practice

# IRAC-BR – Projects

- **Research projects**

- *Spodoptera frugiperda*
- *Tuta absoluta*
- *Alabama argillacea*<sup>1</sup>
- *Grapholita molesta*<sup>1</sup>
- *Bemisia tabaci*
- *Euschistus heros*
- *Chrysodeixis includens*
- *Helicoverpa armigera*
- *Tetranychus urticae*<sup>2</sup>



<sup>1</sup> Concluded

<sup>2</sup> Institutional

# IRAC-BR – Projects – Example

- ***Spodoptera frugiperda***
- **Researcher: Prof. Dr. Celso Omoto**
- Susceptible baseline and field monitoring:  
carbamates , OP´s, SP, spinosinas,  
*Bacillus thuringiensis*, benzoiluréias,  
diacilhidrazinas, indoxacarb, diamidas
- Corn and Cotton
- BA, MT, MS, GO, MG, SP, PR, RS
- Challenge: implemenation of the recommended strategies





# IRAC-BR – Projects

- Educational

## Focus:

- Professional
- Growers
- Students



# IRAC-BR – Projects

- Institutional

- Support on educational events
- Tools
  - New **much more attractive**
  - “home page”
  - New tools
    - SmartPhones and Tablets
  - Video: **IRM**



# IRAC-BR – Challenges

- Trained people
- Data generation
- New pests and crop complexity
- Make society consious about IRM



- Acknowledge

- ✓ Prof. Dr. Celso Omoto – ESALQ/USP
- ✓ Prof. Dr. Raul Guedes – UFV
- ✓ Dr. Mario Sato – IB
- ✓ Prof. Dr. Herbert Siqueira – UFRPE
- ✓ Dr. Marcelo Poletti – PROMIP
- ✓ Dr. Daniel R. Sosa-Gomez – EMBRAPA
- ✓ Members of IRAC-BR
- ✓ Professor, Consultants and Researchers: Celito Breda, Milton Ide, Germison Tomquelski, Geraldo Papa, Jerson Guedes, Lucia Vivan, Dirceu Gassen, Evaldo Takizawa

- [www.illac-br.org.br](http://www.illac-br.org.br)
- [www.illac-online.org](http://www.illac-online.org)

# IRAC-BR – Day 1

		Start Time	End Time	Session	Purpose	Presenter	Duration
		08:00	08:10	Welcome	IRAC.	Fabio Andrade	10
		08:10	08:30	Introduction	Agenda, Admin details, Objectives of meeting.	R.Slater	20
		08:30	09:30	Presentation 1	Agricultural practice & Grower behaviour of Corn-Cotton-Soybean growers in different regions of Brazil & LATAM	Dirceu Gassen	45 (+15 questions)
		09:30	09:50	BREAK			20
		09:50	11:00	Presentation 2	Corn-Cotton-Soybean - Pests & Resistance situation	Celso Omoto	55+15
		11:00	11:45	Presentation 3	GTMR - Introduction, objectives and status	GTMR representative	30 +15
		11:45	12:00	Close	Closing remarks and next steps	R.Slater / Fabio Andrade	15
		12:00	13:00	LUNCH			60
		13:00	14:00	Presentation 4	Corn-Cotton-Soybean - Insect Management in <b>BA</b>	Celito Breda/Milton Ide	60
		14:00	15:00	Presentation 5	Corn-Cotton-Soybean - Insect Management in <b>MT</b>	Lucia Vivan	60
		15:00	15:20	BREAK			20
		15:20	16:20	Presentation 6	Corn-Cotton-Soybean - Insect Management in <b>MS/GO</b>	Germison Tomquelski	30
		16:20	17:20	Presentation 7	Corn-Cotton-Soybean - Insect Management in <b>Southern Region</b> (RS/PR/SC and SP)	Jerson Guedes/Geraldo Papa	60
		17:20	18:00	Close	Closing remarks and next steps	R.Slater / Fabio Andrade	40
		19:30	22:00	GROUP DINNER			

Day 1  
Tuesday  
3rd March

# IRAC-BR – Day 2

		Start Time	End Time	Session	Purpose	Presenter	Duration	
Day 2	Wednesday 4th March	08:00	08:10	Interactive Intro	Introduce interactive session & agenda	R.Slater	10	
		08:10	09:30	Presentation 8	Presentation of Draft IRM recommendations from IRAC	C.Pilcher/R.Slater/T.Dennehy	80	
		09:30	10:30	Group session 1	Group sessions (IRM recommendation development): 4 groups - Corn-Cotton-Soybean-Multi Crop	4 Groups	60	
		10:30	10:50	BREAK				20
		10:50	12:30	Group session 1	Continuation - Group sessions (IRM recommendation development): 4 groups - Corn-Cotton-Soybean-Multi Crop	4 Groups	100	
		12:30	13:30	LUNCH				60
		13:30	15:30	Group Feedback	Group Feedback (30 min each)	Group leads	120	
		15:30	15:50	BREAK				20
		15:50	17:30	Team Work	Open discussion & IRM recommendation development	tbc	100	
		17:30	18:00	Close	Closing remarks and next steps	tbc	45 (+15 questions)	
	18:00	19:00	CLOSING APERO					

# IRAC-BR – Day 3

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- IRAC Biotech WG meetings
- IRAC-BR 42<sup>o</sup> Meeting

- Thanks

