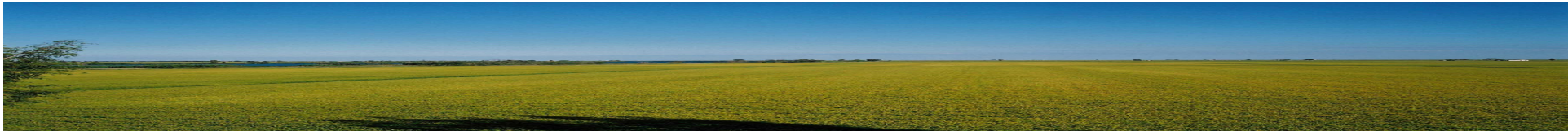


**IRAC**  
Spain



**41<sup>st</sup> Meeting of IRAC International, 26-27th April, 2006**  
**Radisson SAS Hotel, Edinburgh, Scotland**





## 2006: Members

Agrodan	Dupont
Aragro	IQV
Basf	Kenogard
Bayer CropScience	Nufarm
Cequisa	Sipcam Inagra
Dow AgroSciences	Syngenta

In: **Nufarm**    Out: **FMC Foret / Belchim**

## Last Meetings:

Barcelona, 19 May 2005 (Dupont)  
Madrid, 20 December 2005 (Aragro)

## Next Meeting:

Madrid, 9 May 2006 (Dow)



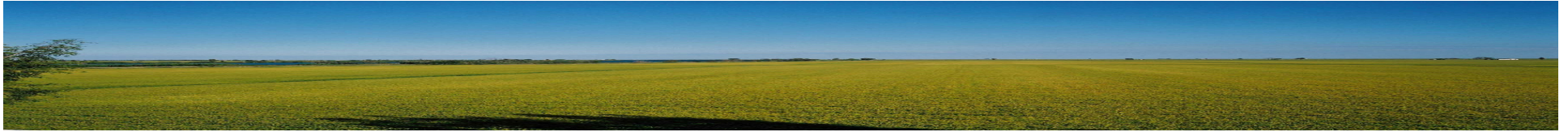
**Legally supported by AEPLA** (Asociación Empresarial para la Protección de las Plantas)  
**Scientific adviser:** Mr. Pablo Bielza Lino (Dpto. Producción Vegetal)  
Escuela Técnica Superior Ingenieros Agrónomos  
Universidad Politécnica de Cartagena



## Working Group of Communication

### IRAC Spain taking part in several Congresses - **Where?**

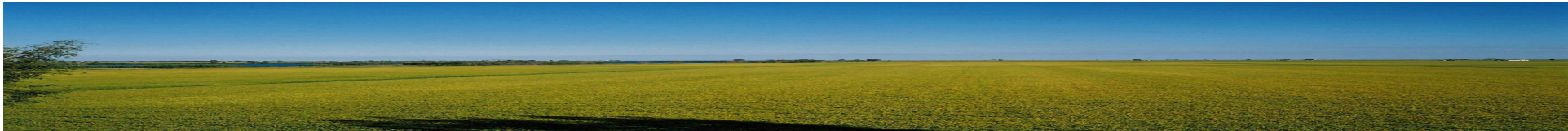
- ↓ 9º Symposium Nacional de Sanidad Vegetal  
Sevilla 26 - 28 January 2005
- ↓ IV Congreso Nacional de Entomología Aplicada  
Bragança (Portugal), 17 - 21 October 2005
- ↓ 27 Jornadas de Productos Fitosanitarios del Institut Quimic de Sarrià (IQS)  
Barcelona, 25 - 26 October 2005
- ↓ 16º Symposium Internacional Phytoma “El manejo de las resistencias a Insecticidas, Fungicidas y Herbicidas”.  
Valencia, 16 - 17 November 2005



## Working Group of Communication

IRAC Spain taking part in several Congresses - **How?**

- ↓ Introducing ourselves (posters)
- ↓ Introducing our work (surveys presentation)



## Working Group of Communication

### Internet Broadcast



AEPLA website  
(<http://www.aepla.es>)



IRAC International website  
(<http://www.illac-online.org>)

Still working and discussing the better place ...



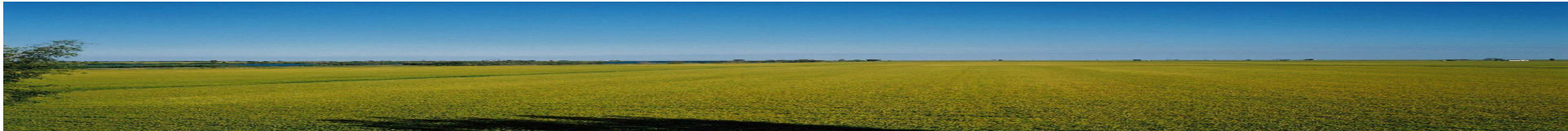
## Working Group of Communication

### Educational modules Project (2006/2007):

Objective: To create an interactive tool to spread the problem of resistances to insecticides and how to manage them (anti-resistance strategies).

How: Carrying out one-day conferences to explain and distribute the software (CD-R).





## Working Group of Communication

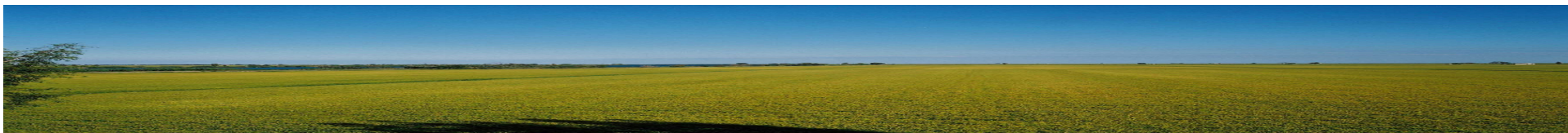
Surveys (2002 - 2004 - 2006):

Acceptance by Spanish Scientists

↓ Biannual (September 2006):

- ☰ 220 surveys
- ☰ Comparison with 2002 and 2004





## Working Group of Communication

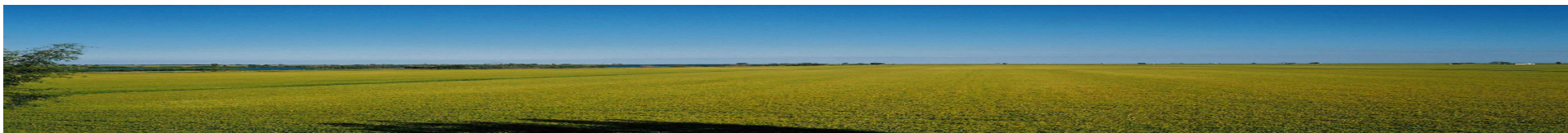
### Leaflets:

↓ 2005: Advises on how to manage Thrips on vegetables



↓ 2006: Mode of action: Now being revised to proceed with a reprinting (but not too much)





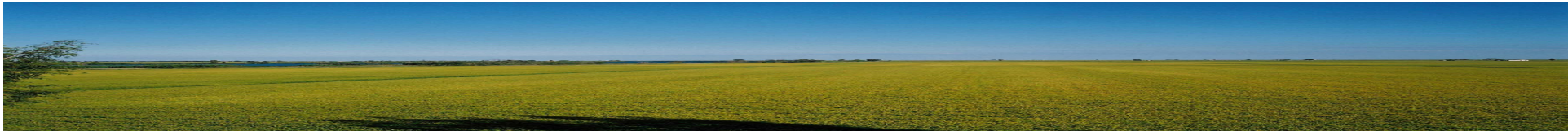
## Working Group of Whitefly

**Project 2005:** “Resistance to Insecticides on *Bemisia tabaci*: establishment of reference populations and development of bioassays”

**Project 2006 / 2008:**

- ↓ Resistance mechanisms
- ↓ Cross resistance
- ↓ Evolution of the resistance
- ↓ Synergism
- ↓ Final Objective: Anti-resistance strategy





## Working Group of Spodoptera

Trying to make the most of the obtained results:

- ↓ First IRAC Spain big project
- ↓ Many changes on personnel:
  - Scientists
  - IRAC members
- ↓ Now: a lot of results “without” conclusions





## Future projects / Forecasts

- ↓ Scientists projects (*Ceratitis capitata* - CSIC)
- ↓ Surveys 2006 and new problems
- ↓ Educational modules
- ↓ To spread whitefly anti-resistance strategies