



IBMA

España

Lucerne, October 2008

PRESENTATION

- ❖ **IBMA SPAIN was constituted in 2007**
- ❖ **In february 2008, 11 member companies were adhered to the association.**
- ❖ **Today, IBMA SPAIN is conformed by 20 member companies.**

PRESENTATION

❖ The member companies are:

- * **ECONEX**
- * **SYNGENTA BIOLINE**
- * **SEDQ**
- * **OPENNATUR**
- * **FUTURECO**
- * **AGROBIO**
- * **BIAGRO**
- * **ALFARIN QUÍMICA**
- * **NEWBIOTECHNIC**
- * **TÉCNICAS CONTROL BIOLÓGICO**
- * **PHEROMONES TRADING COMPANY**
- * **COM. QUÍMICAS MASSÓ**
- * **SEAWEED CANARIAS**
- * **DAYMSA**
- * **KOPPERT**
- * **CERTIS**
- * **LAB. AGROCHEM**
- * **AGRICHEM**
- * **IAB, S.L.**
- * **MERISTEM**

ACTIVITIES 2008

❖ **First general meeting of IBMA Spain in Valencia, on 13.02.08.**

President:

- **Ignacio Horche (SEDQ)**

Secretary:

- **Juan José Granell (Químicas Meristem)**

Commitee members:

- **Carolina Fernández (Futureco)**
- **Estefanía Hinarejos (IAB)**
- **Juan Pareos (Daymsa)**
- **Francisco martínez (Econex)**

ACTIVITIES 2008

- ❖ **Presentation of IBMA SPAIN to Mr. Luis Orodea, General Sub Director of Agrarian Production, responsible for agrochemical and biological registration on 10.04.08**
- ❖ **Publication in Phytoma España (April 2008 N°108) on the importance of biological products on the Spanish market.**
- ❖ **Second general meeting of IBMA Spain in Valencia, on 07.10.08.**

ACTIVITIES 2009

- ❖ **Announcement of IBMA Spain in agricultural magazines.**
 - * **Phytoma**
 - * **Horticultura**
 - * **Vida Rural**
 - * **Terralia**

- ❖ **Announcement of IBMA Spain in other magazines for associates.**

- ❖ **Presentation of IBMA Spain in the Autonomic Communities**

- ❖ **Possible Participation of IBMA Spain in Seminars and Symposiums:**
 - * **Sarriá Chemical Institute**
 - * **Pheromones Conference (Murcia, Nov. 2009)**
 - * **National Symposium of Vegetal Sanity (Sevilla, January 2009)**
 - * **Technical conferences in Lérida Exhibition**
 - * **Agricultural Exhibition (Almería, October 2009)**
 - * **New Agr. International (Barcelona, March 2009)**

- ❖ **Creation of IBMA Spain web site**

RELATIVE EVOLUTION OF SPANISH MARKET FOR BIOLOGICAL PRODUCTS

- **During the last 20 years Spain has faced a clear tendency to increase the use of:**
 - * **Microbials (Biopesticides)**
 - * **Macrobials (Natural enemies)**
 - * **Biological Products**
 - * **Semiochemicals (Pheromones)**

SPANISH MARKET FOR BIOLOGICAL PRODUCTS

REASONS:

- The restrictive Phytosanitary Regulation 91/414 EEC for pesticides is opening an opportunity to BIOCONTROL products : diminution of chemical alternatives for agriculture
- Residue problems by using traditional pesticides
- Administration is still supporting a part of the expenses of some biological alternatives
- Successfully control of pests & diseases by natural enemies, biological products and pheromone traps.

SPANISH MARKET FOR BIOLOGICAL PRODUCTS

ADVANTAGES:

- The national regulation ORDEN APA /1470/2007, based on plant strengtheners, is improving the market for some biotechnological products. Although, it is necessary to defend the IMAGE of this regulation.

BIOLOGICAL PRODUCTS

RELATIVE SEMIOCHEMICALS EVOLUTION:

CYDIA POMONELLA CONTROLLED BY MATING DISRUPTION IN LLEIDA (LÉRIDA) AREA

■ 2000-2001	:	39,8 HÁ
■ 2002	:	85,5 HÁ
■ 2003	:	776 HÁ
■ 2004	:	1.100 HÁ
■ 2005	:	1.312 HÁ
■ 2006	:	1.650 HÁ
■ 2007	:	1.889 HÁ
■ 2008	:	2.877 HÁ

BIOLOGICAL PRODUCTS

RELATIVE SEMIOCHEMICALS EVOLUTION:

OTHER PESTS CONTROLLED BY MATING DISRUPTION SYSTEM IN LLEIDA AREA (2008)

■ LOBESIA BOTRANA	:	2.000 HÁ
■ ANARSIA LINEATELLA	:	700 HÁ
■ GRAPHOLITA MOLESTA	:	200 HÁ
■ ZEUZERA PYRINA	:	150 HÁ

BIOLOGICAL PRODUCTS

Almería (south of Spain) is considered First European Area in amount of beneficial insects/square meter, in green houses.

Today, the total surface of pepper (over 600 hectares) are treated under Integrated Pest Management.

Murcia is the principal Spanish province that applies biological control in outdoor crops (fruit trees and vineyards).

A new exotic plague was recently introduced in Spain, *Tuta absoluta*. It is causing important damage in Valencia and Murcia mainly. We have now one natural enemy available, *Nabis pseudiferus ibericus* (predator).

BIOLOGICAL PRODUCTS

EVOLUTION OF MACROBIALS:

REGION	2005-2006	2008-2009
Murcia-Valencia	2.000 Ha	2.500 Ha
Canary Islands	700 Ha	1.000 Ha
Almeria	700 Ha	15.000 Ha
TOTAL	3400 Ha	18.500 Ha

	2005-2006	2008-2009
Value Total Market (at Grower Price)	10-12 MioEuros + Bombus 7-8 MioEuros	40-45 MioEuros + Bombus 5-6 MioEuros

BIOLOGICAL PRODUCTS

NATURAL ENEMIES

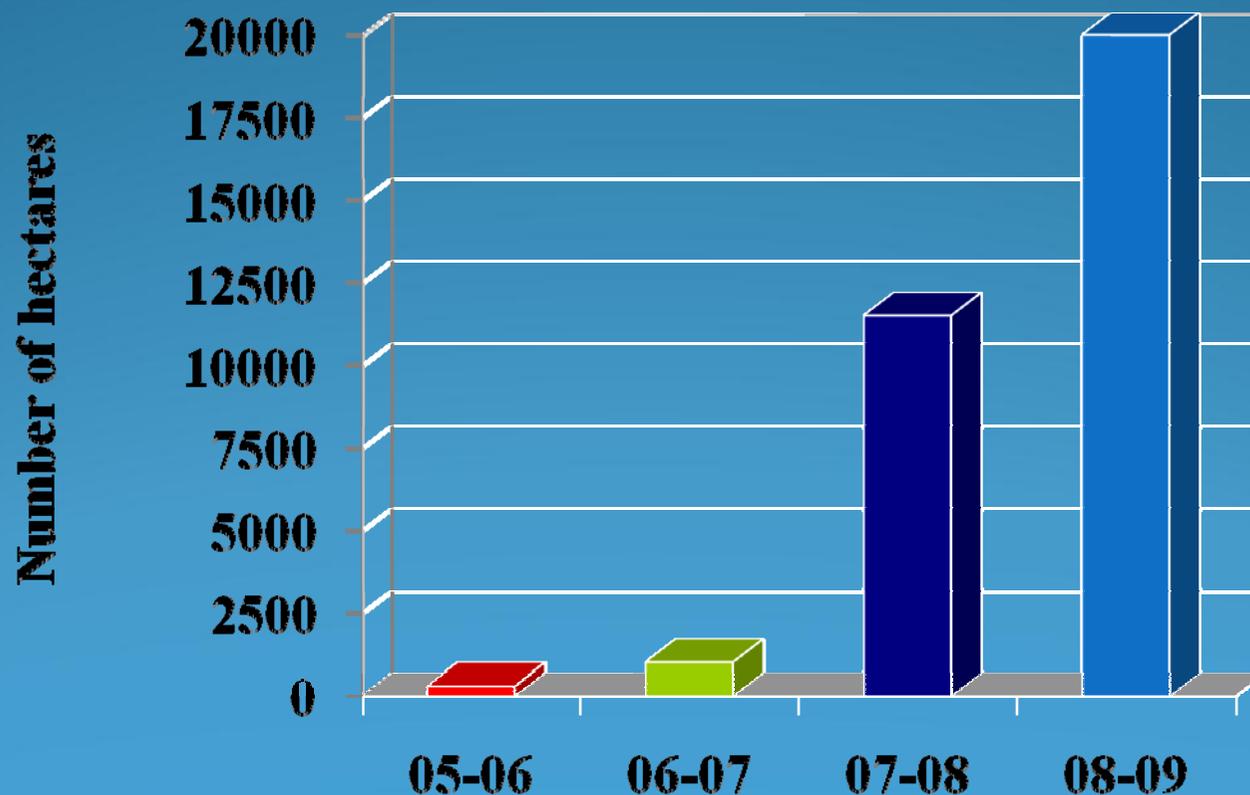
In 2001 starts in Spain the commercial breeding of local natural enemies, contributing to the success of biological control.

Important natural enemies in Spain are:

- *Eretmocerus mundus* (parasitoid)
- *Nesidiocoris tenuis* (predator)
- *Amblyseius swirskii* (predator of white fly and thrips)
- *Nabis pseudiferus ibericus* (new local predator of *Tuta absoluta*)

BIOLOGICAL PRODUCTS

Biological control is consolidated in Almería, where natural enemies will be released on more than 20.000 hectares.



BIOLOGICAL PRODUCTS

Number of hectares with biological control on different crops in 2008-2009

	Almería	Murcia
Pepper	6622	2300
Tomato	2564	3000
Melon	5019	
Watermelon	2355	
Cucumber	1671	
Zucchini	1069	
Aubergine	712	
Bean	127	
Total	20139	5300

Source: Autonomic governments of Andalucía and Murcia

SPANISH MARKET FOR BIOLOGICAL PRODUCTS

PROBLEM:

- Requirement for Register of Biocontrol products are in many cases similar to a phytosanitary product, although the doses used are very low, and the toxicity of the product does not impact environment and human being.
- Due to Economic crisis, when BIOCONTROL is used as substitute of a pesticide, it replaces cheap inputs with sometimes expensive ones, increasing costs for the farmer, and pushing him to look for other solutions.
- The exclusion of traditional pesticides is generating the increase of secondary and new pests (bugs, aphids, Tuta absoluta).

OBJECTIVE

- ❖ To encourage **RESEARCH** and **DEVELOPMENT** due to consolidation of biological control
 - * local production of new natural enemies to control main pests
 - * Management of new banker plants
 - * Research for new formulations for pheromone products and biopesticides



OBJECTIVE

- ❖ To support the Agricultural Ministry to fasten registration process of alternative products.
- ❖ Participation of IBMA Spain in the elaboration of new regulations .