

2008-09 Survey of Codling Moth Resistance

Issued, November, 2008

Version 2.0

Prepared by: IRAC Codling Moth Working Group

November 11, 2008

Dear Sir,

with this questionnaire the IRAC Codling Moth Working Group would like to collect updated information on the codling moth resistance situation in the most relevant countries.

For this reason we have adapted the easy to complete questionnaire created by IRAC in 2003, which reflects local resistance issues as well as the registration situation in the country you're operating in.

Based on the received feedback we will provide a summary of the collected data.

We would like to thank you in advance for returning your completed questionnaire to the address details below and for your active support.

Best regards,

The IRAC Codling Moth Working Group

Andrea Bassi
IRAC Codling Moth WG Leader
Via Laura Bassi-Veratti, 1
40137 Bologna,
Italy

Andrea.Bassi@ITA.DuPont.com

Disclaimer:

The information collected in this survey is only for the purpose of assessing the status of global codling moth resistance and resistance management strategies. It is understood that the information is provided without guarantees and is based on best knowledge at the time of submission.

Date:	Name:	E-mail:
-------	-------	---------

Basic field data of your country:

1. Planted area of pome fruits: ha
2. Area treated against Codling Moth: ha
3. Average of CM-generations per season
4. Timeframe of recommended CM-control (monthly):
5. Recommended economic threshold of infestation (in %):

I. Resistance aspects

1. Resistance situation of products used in the region

Please fill in table in Appendix 1 (optional)

2. How is each of the following groups managing and communicating the occurrence of resistance?

a) Growers:

.....

.....

.....

b) Distributors (Insecticide Dealers):

.....

.....

.....

c) Industry (Crop Protection Industry):

.....

.....

.....

.....

Officials (Regulatory, Scientific, Advisory community):

.....

.....

.....

.....

II. Toolbox of Products / Compounds in the country

1. Products / Compounds currently registered in your country per chemical class:

Organo-phosphates	Synthetic Pyrethroids	Chitin-inhibiting Compounds	Moulting Accelerating Compounds	Viral & Bacterial Preparations	Neonicotinoid Insecticides	Others (incl. new chemistry)
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•

2. Compounds disappearing (next five years) with regard to e.g. registration issues:

Organo-phosphates	Synthetic Pyrethroids	Chitin-inhibiting Compounds	Moulting Accelerating Compounds	Viral & Bacterial Preparations	Neonicotinoid Insecticides	Others (incl. new chemistry)
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•



APPENDIX 1

Resistance against *Cydia pomonella* STATUS 2008-09

Country / Region.....

Product affected by resistance	area affected by resistance in % of treated area			Year of first detection of resistance	stage of CM affected	proposed discriminating concentration PPM	method of detection	Study Authors, if published
	high resistance (product is ineffective)	mid resistance (performance not satisfactory)	low resistance (performance decreased)					
Cypermethrin	30	30	10	1996	Larva, adults, eggs	30	diet	
Diflubenzuron	70	20	10	1994		200	diet	

