

Pesticide Monitoring Results

“Two-page Summary”

Country: *Cyprus*

Year: *2009*

1) Interpretation of results

Ministry of Health is the competent authority for the enforcement of the Pesticide Residues (PR) Legislation and the execution of the national monitoring and surveillance programs. The enforcement of Legislation and sampling is allocated to the Department of Medical and Public Health Services (MPHS). The Pesticide Residue Lab (PR-SGL) of the State General Laboratory is the Official Laboratory for the Monitoring & Surveillance of PR in Food of Plant and Animal Origin. The PR-SGL Lab and the MHPs design and implement a multisectoral program for local market, including imports and exports. The sampling regime is based on a combination of “at random” sampling and target oriented sampling focusing towards problematic pesticides/food combination. This combination is in a way bias towards problematic products and might end up with higher violation rates. Nevertheless it can provide higher degree of consumer protection and cost-effectiveness. Main criteria used in the sampling design are: EU coordinated program, violations from previous years, information from RASFF, consumption data especially by children and the needs of exports control.

The increase of the number of compounds monitored is a continues process. Therefore the number of compounds of the MRM method for the plant origin products increased within 2009 from 168 to 247. The SRM method for the determination of Chlormequat and Mepiquat in plant origin products has been validated and introduced in the scope of the Laboratory.

The evaluation of the results indicated 4.6 % overall legal violations of the plant origin products including the processed samples (baby food, olive oils , juices), the violation percentage of the plant products, fresh and dry, is 5% . As legal violations are considered the samples still exceeding the MRL taking in to account the uncertainty.

The percentage of the plant products, fresh and dry, with residues above MRLs for the year 2009 is 7.1% in relation to the 11.0% of the year 2008.

2) MRL exceedances and non compliant results

Within 2009 twenty five (25) samples of plant origin were consider as legal violations. Relevant information and the actions taken are summarised in table 1.

Non Compliant Results (Legal Violations) of Plant Origin Products, 2009

Product	Residue	Sample	Risk of consumer
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		Codes	exposure / Action taken
APPLES	Dicofol	09085/2009	Yes* , the sample was taken from a supermarket
CARROTS	Methamidophos	04105/2009	No, the lot did not enter to the local market
CAULIFLOWER	Chlorpyrifos	13930/2009	Yes* , the sample was taken from a supermarket
CUCUMBERS	Methamidophos	02358/2009	Yes partially, the lot was withdrawn and destroyed by the MPHS
CUMIN SEEDS	Profenofos	03882/2009	No, the lot did not enter to the local market
FLOUR	Diazinon	08060/2009	Yes** , the sample was taken from a supermarket
Lettuce	Chlorothalonil	00336/2009	Yes* , the sample was taken from a supermarket
Lettuce	Chlorothalonil	00338/2009	Yes* , the sample was taken from a supermarket
MANDARINS	Malathion	13484/2009	Yes* , the sample was taken from a supermarket
MANDARINS	Malathion	13504/2009	Yes* , the sample was taken from a fruitmarket
MINT	Chlorpyrifos	13284/2009	No, the sample was taken from the packaging point, the ministry of agriculture was informed
MINT - DRY	Chlorpyrifos Penconazole	13366/2009	No*** , the sample was taken from packaging point
MINT - DRY	Chlorpyrifos	13830/2009	Yes* , the sample was taken from a supermarket
POTATOES	Cypermethrin	09088/2009	Yes* , the sample was taken from a supermarket
RUNNER BEANS	Propargite Tetradifon	05801/2009	Yes* , the sample was taken from a fruitmarket
RUNNER BEANS	Clofentezine Propargite	05802/2009	Yes* , the sample was taken from a fruitmarket
RUNNER BEANS	Fluvalinate	05839/2009	Yes* the sample was taken from vegetable merchants
RUNNER BEANS	Propargite	05896/2009	Yes , the sample was taken from a supermarket, the competent authority of MPHS was informed
RUNNER BEANS	Clofentezine	05898/2009	Yes* , the sample was taken from a fruitmarket
SPAGHETTI	Diazinon	09056/2009	Yes** , the sample was taken from the market
SPINACH	Azoxystrobin	00590/2009	No, the sample was taken from the packaging point, the ministry of agriculture was informed
SPINACH	Azoxystrobin Cypermethrin	13282/2009	No, the sample was taken from the packaging point, the ministry of agriculture was informed
STRAWBERRIES	Cyproconazole	02438/2009	Yes* , the sample was taken from a fruitmarket
STRAWBERRIES FROZEN	Ethion	10851/2009	No, the lot did not enter to the local market
TABLE GRAPES	Captan	07000/2009	Yes* , the sample was taken from a fruitmarket

*** The competent authority of Ministry of Agriculture was informed to contact with the grower and legal actions have been taken by the competent authority MPHS of Ministry of Health**

**** The following actions have been taken by the MPHS : 1)Legal actions were taken, 2) the lot was withdrawn from the market and the consumers were informed by the media, 3) enforcement samples of various products from the market were taken and analysed for Diazinon and 4) samples from the manufacturer also were taken for further investigation**

***** The producer and the grower were informed by the competent authority MPHS of Ministry of Health and the lot was destroyed. For further investigation and consumers protection enforcement samples of dry mint were taken from the market.**

3) Illegal and unauthorised uses

If your results indicate illegal or unauthorised use of pesticides please complete the table below (two examples are provided below)

4) Quality assurance

The PR Lab of the SGL is accredited by the Greek Accreditation body ESYD since 2002 according to EN 45001, from June 2003 according to ISO/IEC 17025 and from July 2006 according to ISO/IEC 17025/2005. The PR-Lab applies Quality Control procedures, which are in line with the provisions of "EU-Quality control procedures" concerning the determination, confirmation and method quality

Laboratory Name	Laboratory Code	Date of Accreditation	Accreditation Body	Participation in proficiency tests or interlaboratory tests
State General Laboratory of Ministry of Health	SGL_CYPRUS_FP	2002	ESYD	EUPT FV11 EUPTC03/SRM4 EUPT AO04