

**Pesticide Residue Control Results**

**“National Summary Report”**

**Country: HELLAS**

**Year: 2012**

**National competent authority/organisation:**

**MINISTRY OF RURAL DEVELOPMENT AND FOOD  
GENERAL DIRECTORATE OF PLANT PRODUCE  
DIRECTORATE OF PLANT PRODUCE PROTECTION  
DEPARTMENT OF PESTICIDES**

<http://www.minagric.gr/index.php/en/citizen-menu/foodsafety-menu> or

[http://www.minagric.gr/index.php/el/for-citizen-2/food-and-sequire/845-  
asfaleiatwntrofimvnfsa](http://www.minagric.gr/index.php/el/for-citizen-2/food-and-sequire/845-asfaleiatwntrofimvnfsa)

## **1. Objective and design of the national control programme**

National control programme of 2012 for pesticide residues (monitoring) as part of the Multi Annual Control Programme has been established according to terms and conditions of Articles 26-35 of Regulation (EC) No 396/2005 of the European Parliament and the Council, of 23.02.2005 on Maximum Residue Levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC.

The monitoring programme was designed and coordinated by the Ministry of Rural Development and Food (Directorate of Plant Produce Protection). The programme was based on several risk analysis criteria and parameters: number of samples (domestic and imported) for each product, agricultural produce, cultivation area per culture, expected imports, results from previous years' monitoring programmes, dietary intake contribution of each product, sampling location, community control programme, pesticides used in practice by the farmers, relevant RASFF notifications for pesticide residues, personnel and analytical capacity of the official laboratories. It aims at ensuring compliance with maximum levels and assessing consumer exposure in order to achieve a high level of protection and application of good agricultural practice in all stages of production and harvest of agricultural products.

The responsibilities of the laboratories involved, regarding the number of samples of each commodity that should be analysed and the areas of sampling were well defined. The responsible for the EU co-ordinated program laboratories were clearly stated. The sampling was carried out by the responsible for sampling regional and local authorities.

Sampling strategy was based on "from the farm to the fork" rationale, taking into account the specificities of each region of the country. The sampling methods, necessary for carrying out such controls of pesticide residues, were those provided for in JMD 91972/2003-Directive 2002/63/EC and Reg. 152/2009/EC (official control of feed). Samples were taken by domestic production and imports, proportionally, covering points of collection, storage, packing and trade of products of plant origin.

The official laboratories, analysing samples for pesticide residues are accredited and participate in the Community Proficiency Tests. The methods of analysis used by the laboratories comply with the criteria set out in relevant EU law provisions and other adopted technical guidelines.

In a case of an MRL exceedance, before any administrative and punitive enforcement action is taken, a default analytical uncertainty of 50% is subtracted from the measured value. If this figure still exceeds the MRL, enforcement action relevant to the case is taken.

## 2. Key findings, interpretation of the results and comparability with the previous year results

### Surveillance

Category	Total number of samples		Number of samples without detectable residues		Number of samples with residues at or below EU MRL or for which no MRL is set		Number of Samples with residues exceeding EU-MRL	
Fruits- Vegetables- Nuts	2281		1600		639		42	
Cereals-Pulses	71		45		25		1	
Plant Origin Processed products	284		248		36		0	
Baby Food	17		16		1		0	
Food of Animal origin	30		30		0		0	
Feed	8		2		6		0	
Other	18		18		0		0	
<b>Total</b>	Year 2011: 2558	<b>2709</b>	Year 2011: 1923	<b>1959</b>	Year 2011: 570	<b>707</b>	Year 2011: 60	<b>43</b>

### Suspect

Category	Total number of samples		Number of samples without detectable residues		Number of samples with residues at or below EU MRL or for which no MRL is set		Number of Samples with residues exceeding EU-MRL	
Fruits-Vegetables- Nuts	85		28		47		10	
Cereals-Pulses	0		0		0		0	
Plant Origin Processed products	1		1		0		0	
Baby Food	0		0		0		0	
Food of Animal origin	0		0		0		0	
Feed	0		0		0		0	
Other	2		2		0		0	
<b>Total</b>	Year 2011: 157	<b>88</b>	Year 2011: 60	<b>31</b>	Year 2011: 83	<b>47</b>	Year 2011: 14	<b>10</b>

### **3. Non-compliant samples: Possible reasons and Actions taken**

In 2012, out of 2709 surveillance samples which were analysed 43 samples were exceeding the EU Mrls (1,6%) and 26 samples were non compliant (0,96%). In 2011 60 samples out of and 2558 were exceeding the EU Mrls and 34 samples (out of and 2558) were non complaint.

Regarding suspect samples, in 2012, 10 samples out of 88 were exceeding the EU Mrls (11,3%) and 8 samples (out of 88) were non compliant (9%). In 2011, 14 samples out of 157 were exceeding the EU Mrls (8,9%) and 10 (out of 157) were non compliant (6,3%)

Analytical information about the samples and the actions taken regarding non compliant samples are given at the table below (Table 1).

A separate table (Table 2) provides information on RASFF notifications.

**Table 1: Non Compliant Samples for which administrative actions were taken or administrative actions are in progress.**

<b>a/a</b>	<b>LabSampCode</b>	<b>Product</b>	<b>Residue</b>	<b>Reason for MRL non compliance</b>	<b>Note</b>
1	GR-007-12-181	carrots	chlorpyrifos	GAP not respected.	
2	GR-001-12-1348	celery leaves	chlorpyrifos, linuron	GAP not respected, not authorized use	
3	GR-004-12-024	cucumber	oxamyl	GAP not respected / application rate/method not respected	
4	GR-001-12-49	lettuce (and other salad plants)	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected, not authorized use	
5	GR-001-12-81	lettuce (and other salad plants)	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected, not authorized use	
6	GR-002-12-248	okra, lady fingers	Acetamiprid	GAP not respected, not authorized use	Administrative actions in progress
7	GR-002-12-298	okra, lady fingers	Acetamiprid	GAP not respected: not authorized use	Administrative actions in progress
8	GR-002-12-090	oranges	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	Reason unknown	Imported (EG)
9	GR-001-12-1336	pepper	methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone expressed as methiocarb)	GAP not respected	
10	GR-002-12-452	potatoes	chlorpyrifos	GAP not respected	Administrative actions in progress
11	GR-003-12-204	potatoes	Chlorpyrifos	GAP not respected	

12	GR-007-12-167	spinach	cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	GAP not respected, not authorized use	
13	GR-009-12-069	spinach	chlorpyrifos	GAP not respected, not authorized use	
14	GR-003-12-255	table grapes	chlorpyrifos-methyl	GAP not respected	
15	GR-005-12-163	table grapes	dimethoate (sum of dimethoate and omethoate expressed as dimethoate) malathion (sum of malathion and malaaxon expressed as malathion)	GAP not respected, not authorized use	
16	GR-001-12-1049	table olives	propargite	GAP not respected, not authorized use	
17	GR-001-12-922	table olives	propargite	GAP not respected, not authorized use	
18	GR-001-12-100	vine leaves (grape leaves)	boscalid, flufenoxuron, methoxyfenozide, myclobutanil, propargite, pyrimethanil	Reason unknown	Imported (TR) Administrative actions in progress
19	GR-001-12-102	vine leaves (grape leaves)	acetamiprid, chlorpyrifos	Reason unknown	Imported (LB)
20	GR-001-12-1052	vine leaves (grape leaves)	azoxystrobin, boscalid, chlorpyrifos, flufenoxuron, iprovalicarb, methoxyfenozide, myclobutanil, penconazole, propargite, pyrimethanil	Reason unknown	Imported (TR)
21	GR-001-12-1053	vine leaves (grape leaves)	azoxystrobin, kresoxim-methyl, methoxyfenozide, myclobutanil, propargite, pyrimethanil	GAP not respected, not authorized use	
22	GR-001-12-1218	vine leaves (grape leaves)	chlorpyrifos, difenoconazole, flusilazole, lufenuorn, myclobutanil, trifloxystrobin	Reason unknown	Imported (LB) Administrative actions in progress

23	GR-001-12-127	vine leaves (grape leaves)	azoxystrobin, boscalid, methoxyfenozide, myclobutanil, penconazole, propargite, pyrimethanil	Reason unknown	Imported (TR) Administrative actions in progress
24	GR-001-12-396	vine leaves (grape leaves)	azoxystrobin, boscalid, kresoxim-methyl, methoxyfenozide, trifloxystrobin	Reason unknown	Imported (TR)
25	GR-001-12-467	vine leaves (grape leaves)	boscalid, cymoxanil, metalaxyl and metalaxyl-M (including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))	GAP not respected, not authorized use	
26	GR-001-12-536	vine leaves (grape leaves)	boscalid, kresoxim-methyl, myclobutanil, thiophanate-methyl	GAP not respected, not authorized use	
27	GR-001-12-543	vine leaves (grape leaves)	cyproconazole, cyprodinil, fludioxonil	GAP not respected, not authorized use	
28	GR-001-12-577	vine leaves (grape leaves)	chlproprifos, famoxadone, fenbuconazole, methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone expressed as methiocarb), myclobutanil	GAP not respected, not authorized use	
29	GR-001-12-680	vine leaves (grape leaves)	boscalid, myclobutanil, thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)	GAP not respected, not authorized use	Administrative actions in progress
30	GR-001-12-859	vine leaves (grape leaves)	azoxystrobin, boscalid, chlproprifos, fenbuconazole, flufenoxuron, kresoxim-methyl, methoxyfenozide, myclobutanil, penconazole, propargite, pyrimethanil, tebuconazole, tetraconazole trifloxystrobin	Reason unknown	Imported (TR) Administrative actions in progress

31	GR-002-12-177	vine leaves (grape leaves)	azoxystrobin	Reason unknown	Imported (TR)
32	GR-002-12-184	vine leaves (grape leaves)	boscalid, kresoxim methyl, metalaxyl and metalaxyl-M (including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)), trifloxystrobin	Reason unknown	Imported (TR) Administrative actions in progress
33	GR-002-12-227	vine leaves (grape leaves)	azoxystrobin, pyrimethanil	GAP not respected, not authorized use	

**Table 2: Rasff notifications**

Pesticide	Crop	Sample number	Sample origin	Residue level (mg/kg)	ARfD (mg/kg bw)	ARfD %	Model used	RASFF notification
methiocarb	wine leaves	GR-001-12-577	GR	56	0.013	1400	PRIMO	39461
dimethoate	orange	GR-002-12-090	EG	0.06	0.01	119.4	PRIMO	32879



#### 4. Quality assurance

Country code	Laboratory Name	Laboratory Code	Accreditation Date	Accreditation Body	Participation in proficiency tests or interlaboratory tests
GR	Benaki Phytopathological Institute, Laboratory of Pesticide Residues	GR-001	09-07-2002	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-C6 , EUPT-FV14 EUPT-SRM7, EUPT-AO7 SCHEMA 63 01
GR	Regional Center of Plant Protection and quality control of <b>Thessaloniki</b> Laboratory of pesticide residues	GR-002	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV14
GR	Regional Center of Plant Protection and quality control of <b>Kavala</b> Laboratory of Pesticide residues	GR-003	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV14
GR	Regional Center of Plant Protection and quality control of <b>Ioannina</b> Laboratory of pesticide residues	GR-004	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPR-FV14, EUPT-C6
GR	Regional Center of Plant Protection and quality control of <b>Magnesia</b> Laboratory of pesticide residues	GR-005	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV14
GR	Regional Centre of Plant Protection and Quality Control of <b>Achaia</b> Laboratory of pesticide residues	GR-006	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	SRM-7, EUPT-FV-14
GR	Regional Centre of Plant Protection and Quality Control of <b>Pireaus</b> Laboratory of Pesticide Residues Analysis	GR-007	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV14 COIPT 12

GR	Regional Center of Plant Protection and Quality Control of <b>Iraklion</b> Laboratory of pesticide residues	GR-008	08-9-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV-14, COIPT12, EUPT-SRM-07
GR	Regional Center of Plant Protection and Quality Control of <b>Argolida</b> Laboratory of pesticide residues	GR-009	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV14
GR	General Chemical State Laboratory D Chemical Division of Athens, Pesticide Residues Laboratory	GR-010	14-03-2012	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV-14, EUPT-FV-SM-04, EUPT-C6, EUPT-SRM-07, EUPT-AO-07), COIPT-12