

Pesticide Residue Control Results

“National Summary Report”

Country: HELLAS

Year: 2010

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/greek/2.2.5.8.1b1.html>

1. Objective and design of the national control programme

National control programme of 2010 for pesticide residues (monitoring) as part of the Multi Annual Control Programme of 2010-2012 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). 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 and Vegetables	2086		1503		506		77	
Cereals	22		16		5		1	
Plant Origin Processed products	225		208		17		-	
Baby Food	17		17		0		0	
Food of Animal origin	15		15		0		0	
Feed	15		15		0		-	
Total	Year 2009: 2186	2380	Year 2009: 1716	1774	Year 2009: 413	528	Year 2009: 57	78

Follow up

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 and Vegetables	158		64		75		19	
Cereals	0		0		0		-	
Plant Origin Processed products	4		1		3		-	
Baby Food	0		0		0		0	
Food of Animal origin	0		0		0		0	
Feed	2		1		1		-	
Total	Year 2009: 100	164	Year 2009: 33	66	Year 2009: 53	79	Year 2009: 14	19

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

In 2010, from the 2380 samples analysed, 78 samples (3.27%) were exceeding the EU MRLs and 42 were non compliant (1.76%). In 2009, 57 samples out of 2186 (2.6%) were exceeding the EU MRLs.

Analytical information about the samples and the actions taken regarding non compliant samples and unauthorised uses (for compliant and non compliant samples) are given at the tables below (Tables 1 and 2).

A separate table (Table 3) provides information on RASFF notifications.

Table 1: Non Compliant Samples (surveillance) for which administrative actions were taken.

LabSampCode	Product	Residue	Reason for MRL non compliance	Note	
1	GR-002-10-029	Lettuce	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	Only the granular formulation allowed
2	GR-001-10-210	Wheat	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	Biological cultivation
3	GR-002-10-047	Beans (dry)	clofentezin	GAP not respected: use of pesticide authorized on the specific crop - application rate and/or application method not respected	Import from Jordan
4	GR-002-10-049	Peppers	acephate	Reason unkown	Import from Jordan
			carbendazim	Reason unkown	
			methamidophos	Reason unkown	
5	GR-003-10-09	Apples	phosalone	GAP not respected: use of non-authorized pesticide on all crops	
6	GR-002-10-052	Beans (with pods)	acetamiprid	Reason unkown	Import from Turkey
7	GR-001-10-058	Lettuce	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
			chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
8	GR-009-10-005	Spinach	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
9	GR-009-10-007	Spinach	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
10	GR-001-10-332	Lettuce	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
11	GR-002-10-145	Apricots	dimethoate	GAP not respected: use of pesticide non-authorized on the specific crop	
			phosmet	GAP not respected: use of pesticide non-authorized on the specific crop	

12	GR-005-10-042	Cherries	dimethoate	GAP not respected: use of pesticide authorised on the specific crop - application rate and/or application method not respected	
13	GR-005-10-036	Cucumber	fosthiazate	GAP not respected: use of pesticide non-authorized on the specific crop	
14	GR-001-10-542	Cucumber	chlorpyrifos	GAP not respected: use of pesticide authorised on the specific crop - application rate and/or application method not respected	
15	GR-001-10-377	Peaches	imazalil	Reason unknown	Import from Israel
16	GR-001-10-605	Lemons	penconazole	Reason unknown	Import from Argentina
17	GR-001-10-247	Tomatoes	chlormequat	GAP not respected: use of pesticide non-authorized on the specific crop	
18	GR-001-10-249	Tomatoes	chlormequat	GAP not respected: use of pesticide non-authorized on the specific crop	
19	GR-002-10-324	Potatoes	bifenthrin	GAP not respected: use of pesticide non-authorized on the specific crop	
20	GR-003-10-273	Table grapes	chlorpyrifos	GAP not respected: use of pesticide authorised on the specific crop - application rate and/or application method not respected	Administrative consequences in progress
21	GR-009-10-044	Spinach	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
22	GR-003-10-285	Lettuce	chlorpyrifos	GAP not respected: use of pesticide authorised on the specific crop - application rate and/or application method not respected	Administrative consequences in progress
23	GR-003-10-315	Lettuce	chlorpyrifos	GAP not respected: use of pesticide authorised on the specific crop - application rate and/or application method not respected	Administrative consequences in progress
24	GR-009-10-056	Spinach	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
25	GR-005-10-114	Cucumber	dimethoate	Reason unknown	Import from FYROM.

26	GR-007-10-186	Spinach	dimethoate	GAP not respected: use of pesticide non-authorized on the specific crop	
			omethoate	GAP not respected: use of non-authorized pesticide on all crops	
27	GR-001-10-710	Tea (Coriander)	chlorbromuron	Reason unknown	Import from Thailand. Administrative consequences in progress
28	GR-001-10-154	Peppers	carbendazim	Reason unknown	Import from Syria. Administrative consequences in progress
29	GR-001-10-177	Vine leaves (grape leaves)	azoxystrobin	Reason unknown	Import from Turkey. Administrative consequences in progress
			boscalid	Reason unknown	
			flufenoxuron	Reason unknown	
			kresoxim methyl	Reason unknown	
			trifloxystrobin	Reason unknown	
			fenvalerate & esfenvalerate	Reason unknown	
30	GR-001-10-263	Vine leaves (grape leaves)	acetamiprid	Reason unknown	Import from Turkey. Administrative consequences in progress
			azoxystrobin	Reason unknown	
			boscalid	Reason unknown	
			carbaryl	Reason unknown	
			chlorpyrifos	Reason unknown	
31	GR-001-10-327	Apples	thiacloprid	Reason unknown	Import from Chile. Administrative consequences in progress
32	GR-001-10-397	Apples	dimethoate	GAP not respected: use of pesticide non-authorized on the specific crop	Administrative consequences in progress
33	GR-001-10-413	Vine leaves (grape leaves)	azoxystrobin	Reason unknown	Import from Turkey. Administrative consequences in progress
34	GR-001-10-551	Vine leaves (grape leaves)	azoxystrobin	Reason unknown	Import from Turkey. Administrative
			boscalid	Reason unknown	

			hexaconazole	Reason unknown	consequences in progress
			methoxyfenozide	Reason unknown	
			propargite	Reason unknown	
35	GR-001-10-604	Vine leaves (grape leaves)	azoxystrobin	Reason unknown	Import from Turkey. Administrative consequences in progress
			boscalid	Reason unknown	
36	GR-001-10-641	Peppers	fenvalerate & esfenvalerate	Reason unknown	Import from Hungary. Administrative consequences in progress
37	GR-001-10-899	Vine leaves (grape leaves)	azoxystrobin	Reason unknown	Import from Turkey. Administrative consequences in progress
			boscalid	Reason unknown	
			chlorpyrifos	Reason unknown	
38	GR-001-10-900	Vine leaves (grape leaves)	hexaconazole	Reason unknown	Import from Turkey. Administrative consequences in progress
39	GR-001-10-901	Vine leaves (grape leaves)	boscalid	Reason unknown	Import from Turkey. Administrative consequences in progress
			kresoxym methyl	Reason unknown	
40	GR-002-10-085	Melons	acetamiprid	Reason unknown	Import from Turkey. Administrative consequences in progress
41	GR-003-10-096	Apricots	phosmet	GAP not respected: use of pesticide non-authorized on the	

Table 2: Not authorised uses for which administrative actions were taken.

	labSampCode	Product	Residue	Reason of non-authorised pesticide	Note
1	GR-002-10-039	Spinach	chlorpyrifos	GAP not respected: use of pesticide non-authorised on the specific crop	
2	GR-007-10-11	Olive oil	endosulfan	GAP not respected: use of pesticide non-authorised on the specific crop	
3	GR-001-10-058	Lettuce	imidacloprid	GAP not respected: use of pesticide non-authorised on the specific crop	
4	GR-002-10-070	Kiwi	tebuconazole	GAP not respected: use of pesticide non-authorised on the specific crop	
			trifloxystrobin	GAP not respected: use of pesticide non-authorised on the specific crop	
5	GR-002-10-071	Kiwi	chlorpyrifos	GAP not respected: use of pesticide non-authorised on the specific crop	
6	GR-001-10-063	Apples	imazalil	GAP not respected: use of pesticide non-authorised on the specific crop	
7	GR-001-10-200	Tomatoes	dimethomorph	GAP not respected: use of pesticide non-authorised on the specific crop	
			tebufenpyrad		
8	GR-001-10-383	Origanum	pirimiphos methyl	GAP not respected: use of pesticide non-authorised on the specific crop	
9	GR-002-10-095	Strawberries	penconazole	GAP not respected: use of pesticide non-authorised on the specific crop	
10	GR-003-10-096	Cucumbers	fenhexamid	GAP not respected: use of pesticide non-authorised on the specific crop	
11	GR-002-10-111	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorised on the specific crop	
12	GR-002-10-112	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorised on the specific crop	
13	GR-001-10-204	Pears	chlormequat	GAP not respected: use of pesticide non-authorised on the specific crop	

14	GR-001-10-109	Strawberries	kresoxim methyl	GAP not respected: use of pesticide non-authorized on the specific crop	
			penconazole		
15	GR-002-10-099	Strawberries	penconazole	GAP not respected: use of pesticide non-authorized on the specific crop	
16	GR-002-10-107	Lettuce	bifenthrin	GAP not respected: use of pesticide non-authorized on the specific crop	
17	GR-002-10-116	Cherries	omethoate	GAP not respected: use of pesticide non-authorized on the specific crop	In this case no fine was imposed. The producer complied.
18	GR-002-10-114	Cherries	bifenthrin	GAP not respected: use of pesticide non-authorized on the specific crop	In this case no fine. The producer complied.
			tebuconazole		
19	GR-002-10-087	Kiwi	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
20	GR-002-10-098	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	
21	GR-002-10-115	Cherries	tebuconazole	GAP not respected: use of pesticide non-authorized on the specific crop	
22	GR-003-10-096	Apricots	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
23	GR-002-10-165	Beans (with pods)	indoxacarb	GAP not respected: use of pesticide non-authorized on the specific crop	
24	GR-001-10-398	Lettuce	metalaxyl	GAP not respected: use of pesticide non-authorized on the specific crop	
25	GR-001-10-354	Lettuce	λ -cyhalothrin	GAP not respected: use of pesticide non-authorized on the specific crop	In this case no fine was imposed. The producer complied.
26	GR-001-10-544	Peppers	metalaxyl	GAP not respected: use of pesticide non-authorized on the specific crop	
27	GR-001-10-496	Cherries	pyrimethanil	GAP not respected: use of pesticide non-authorized on the specific crop	
28	GR-002-10-180	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	
29	GR-002-10-241	Peppers	metalaxyl	GAP not respected: use of pesticide non-authorized	

				on the specific crop	
30	GR-002-10-210	Kiwi	azoxystrobin	GAP not respected: use of pesticide non-authorized on the specific crop	
31	GR-002-10-207	Plums	bifenthrin	GAP not respected: use of pesticide non-authorized on the specific crop	
			cyfluthrin		
			tebuconazole		
32	GR-002-10-179	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	
33	GR-002-10-333	Tomatoes	terbutylazine	GAP not respected: use of pesticide non-authorized on the specific crop	
			tebufenpyrad		
34	GR-001-10-639	Eggplants	imidacloprid	GAP not respected: use of pesticide non-authorized on the specific crop	
			metalaxyl		
			spiroxamine		
			pendimethalin		
35	GR-002-10-113	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	
36	GR-002-10-142	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	
37	GR-001-10-503	Tomatoes	tebuconazole	GAP not respected: use of pesticide non-authorized on the specific crop	In this case no fine was imposed. The producer complied.
38	GR-002-10-178	Strawberries	triadimenol	GAP not respected: use of pesticide non-authorized on the specific crop	Administrative consequences in progress
39	GR-007-10-075	Cherries	Dimethoate/omethoate	Authorization on cherries was revoked since 17-5-2010	
40	GR-007-10-076	Cherries	Dimethoate/omethoate	Authorization on cherries was revoked since 17-5-2010	In this case no fine was imposed. The producer complied
41	GR-001-10-112	Strawberries	metalaxy	GAP not respected: use of pesticide non-authorized on the specific crop	

			thiacloprid		
42	GR-002-10-367	Kiwi	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
			metalaxyl		
43	GR-009-10-044	Spinach	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
44	GR-002-10-358	Kiwi	imidacloprid	GAP not respected: use of pesticide non-authorized on the specific crop	
45	GR-001-10-729	Lettuce	λ -cyhalothrin	GAP not respected: use of pesticide non-authorized on the specific crop	
46	GR-001-10-732	Lettuce	pyriproxifen	GAP not respected: use of pesticide non-authorized on the specific crop	
47	GR-005-10-196	Kiwi	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
			azoxystrobin		
48	GR-009-10-055	Spinach	cypermethrin	GAP not respected: use of pesticide non-authorized on the specific crop	
49	GR-009-10-064	Spinach	chlorothalonil	GAP not respected: use of pesticide non-authorized on the specific crop	
50	GR-001-10-768	Lettuce	metalaxyl	GAP not respected: use of pesticide non-authorized on the specific crop	
51	GR-009-10-068	Spinach	chlorpyrifos	GAP not respected: use of pesticide non-authorized on the specific crop	
52	GR-002-10-281	Grape	cyfluthrin	GAP not respected: use of pesticide non-authorized on the specific crop	
53	GR-002-10-397	Kiwi	boscalid	GAP not respected: use of pesticide non-authorized on the specific crop	
			pyraclostrobin	GAP not respected: use of pesticide non-authorized on the specific crop	
54	GR-007-10-086	Spinach	cypermethrin	GAP not respected: use of pesticide non-authorized on the specific crop	
55	GR-001-10-617	Grape	carbendazim	GAP not respected: use of non-authorized pesticide on all crops	
56	GR-002-10-400	Pears	tebuconazole	GAP not respected: use of pesticide non-authorized on the specific crop	

Table 3. RASFF notifications

Sample codes and actions taken

Destruction: GR-001-10-328 imported , GR-001-10-154 imported, GR-001-10-263 imported, GR-001-10-118 imported, GR-001-10-51 imported, GR-003-10-273 domestic, GR-002-10-45 imported

Re-dispatch-destruction: GR-002-10-49 imported

Re-inforced checking: GR-005-10-36 domestic

Recall from consumers: GR-005-10-114 imported

Withdrawal from the marketing: GR-007-10-186 domestic

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.)	2010: EUPT-FV12, EUPT-FV-SM02, EUPT-C4, EUPT-AO5, EUPT-SRM5, OIV-CII-SMCA 2010-03-32 (Organisation International of Vine & wine)
GR	Regional Center of Plant Protection and quality control of Thessaloniki , Laboratory of pesticide residues	GR-002	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12
GR	Regional Center of Plant Protection and quality control of Kavala Laboratory of Pesticide residues	GR-003	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12
GR	Regional Center of Plant Protection and quality control of Ioannina Laboratory of pesticide residues	GR-004	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12, EUPT-C4
GR	Regional Center of Plant Protection and quality control of Magnesia Laboratory of pesticide	GR-005	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12

	residues				
GR	Regional Centre of Plant Protection and Quality Control of Achaia Laboratory of pesticide residues	GR-006	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-SRM5
GR	Regional Centre of Plant Protection and Quality Control of Pireaus Laboratory of Pesticide Residues Analysis	GR-007	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12, EUPT C5, COIPT 11
GR	Regional Center of Plant Protection and Quality Control of Iraklion Laboratory of pesticide residues	GR-008	08-9-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV-12, EUPT-SRM5, COIPT10
GR	Regional Center of Plant Protection and Quality Control of Argolida Laboratory of pesticide residues	GR-009	23-10-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV12