

Pesticide Residue Control Results

“National Summary Report”

Country: GREECE

Year: 2013

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>

1. Objective and design of the national control programme

National control programme of 2013 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. 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 detectable residues below EU MRL or for which no MRL is set	Number of Samples with residues exceeding EU-MRL
Fruits- Vegetables-Nuts	1823	1229	545	49
Cereals (raw and processed) - Pulses	85	72	12	1
Plant Origin Processed products (olive oil-juices-wine-vegetables)	297	250	47	0
Baby Food	19	18	0	1
Food of Animal origin	40	40	0	0
Other plant products	6	2	2	2
Total number of samples	2270	1611	606	53

Suspect

Category	Total number of samples	Number of samples without detectable residues	Number of samples with detectable residues below EU MRL or for which no MRL is set	Number of Samples with residues exceeding EU-MRL
Fruits-Vegetables-Nuts	84	34	41	9
Cereals (raw and processed)-Pulses	1	0	1	0
Plant Origin Processed products (vine leaves)	2	1	1	0
Baby Food	-	-	-	-
Food of Animal origin	-	-	-	-
Other plant products	4	3	1	0
Total number of samples	91	38	44	9

Comparability with previous year's results

Category	Year 2011	%	Year 2012	%	Year 2013	%
Total number of samples	2715	100	2797	100	2361	100
Number of samples without detectable residues	1983	73.4	1991	71,1	1649	69.9
Number of samples with detectable residues below EU MRL or for which no MRL is set	653	24.5	754	27	650	27.5
Number of samples with residues exceeding EU Mrls	74	2.7	53	1.9	62	2.6

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

Surveillance samples

In 2013, 53 samples out of 2270 samples were exceeding the EU Mrls (**2.3%**) and 35 samples were non compliant (**1.5%**).

In 2012, 43 samples out of 2709 samples were exceeding the EU Mrls (**1,6%**) and 26 samples were non compliant (**0,96%**).

In 2011, 60 samples out of and 2558 (**2.35%**) were exceeding the EU Mrls and 34 samples were non complaint (**1.33%**).

Suspect samples

In 2013, 9 samples out of 91samples were exceeding the EU Mrls (**9.9%**) and 7 samples were non compliant (**7.7%**).

In 2012, 10 samples out of 88 samples were exceeding the EU Mrls (**11,3%**) and 8 samples were non compliant (**9%**).

In 2011, 14 samples out of 157 were exceeding the EU MRLs (**8.9%**).

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

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

a/a	LabSampCode	Product	Residue	Reason for MRL non compliance	Note
1	GR-001-13-087	basil	imidacloprid	Reason unknown	In progress, Imported (IL)
2	GR-001-13-1580	carrot	linuron	GAP not respected	
3	GR-001-13-1262	celery	chlorpyrifos	GAP not respected	
4	GR-001-13-1169	leek	cyprodinil	GAP not respected	
5	GR-001-13-1406	leek	Indoxacarb as sum of the isomers R and S	GAP not respected	
6	GR-001-13-109	Other spices (Bark)	ethephon	GAP not respected (not authorized use)	
7	GR-001-13-964	peaches	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	
8	GR-001-13-1004	peaches	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	
9	GR-001-13-1005	peaches	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	
10	GR-001-13-1542	pear	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	In progress
11	GR-001-13-1115	vine leaves	hexaconazole, kresoxim-methyl myclobutanil	Reason unknown	In progress
12	GR-001-13-227	vine leaves	azoxystrobin, boscalid, flufenoxuron, methoxyfenozide, myclobutanil	Reason unknown	Imported (TR)
13	GR-001-13-494	vine leaves	acrinathrin, famoxadone,	GAP not respected, not	

			fenhexamide, methiocarb (sum of methiocarb sulfoxide and sulfone, expressed as methiocarb)	authorized use	
14	GR-001-13-503	vine leaves	fenoxy carb, tau-fluvalinate,	GAP not respected, not authorized use	
15	GR-002-13-160	beans with pods	chlorpyrifos	GAP not respected	
16	GR-002-13-197	beans with pods	lufenuron	GAP not respected	
17	GR-002-13-198	beans with pods	propargite	GAP not respected, not authorized use	
18	GR-002-13-269	pears	carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	GAP not respected, not authorized use	
19	GR-002-13-172	pepper	formetanate (sum of formetanate and is salts expressed as formetanate (hydrochloride))	GAP not respected	
20	GR-002-13-253	pepper	acetamiprid, oxamyl	GAP not respected	
21	GR-002-13-314	pepper	formetanate (sum of formetanate and is salts expressed as formetanate (hydrochloride))	GAP not respected	In progress
22	GR-002-13-351	potatoes	fosthiazate	GAP not respected	
23	GR-002-13-419	potatoes	pirimiphos-methyl	GAP not respected, not authorized use	
24	GR-002-13-420	potatoes	pirimiphos-methyl	GAP not respected, not authorized use	
25	GR-002-13-421	potatoes	pirimiphos-methyl	GAP not respected, not authorized use	
26	GR-002-13-123	vine leaves	tebuconazole	GAP not respected, not authorized use	
27	GR-002-13-145	vine leaves	cypermethrin (cypermethrin including other mixtures of constituent isomers) sum of isomers))	Reason unknown	Imported (TR)

28	GR-002-13-029	lettuce	tebuconazole	GAP not respected	In progress
29	GR-002-13-060	lettuce	chlorpyrifos	GAP not respected	
30	GR-003-13-099	parsley	chlorpyrifos	GAP not respected, not authorized use	
31	GR-003-13-119	parsley	chlorpyrifos	GAP not respected, not authorized use	
32	GR-003-13-085	vine leaves	trifloxystrobin	GAP not respected, not authorized use	
33	GR-003-13-087	vine leaves	famoxadone, myclobutanil	GAP not respected, not authorized use	
34	GR-004-13-120	melon	aldrin and dieldrin (aldrin and dieldrin combined expressed as dieldrin)	GAP not respected, not authorized use	In progress
35	GR-004-13-073	peach	chlorpyrifos	GAP not respected	
36	GR-006-13-222	wine grapes	cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	GAP not respected	In progress
37	GR-007-13-150	spinach & similar leaves	chlorpyrifos, cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	GAP not respected, not authorized use	

38	GR-008-13-095	orange	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	
39	GR-008-13-099	orange	dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	GAP not respected	
40	GR-009-13-026	lettuce	pendimethanil	GAP not respected	
41	GR-009-13-053	spinach	chlorothalonil	GAP not respected	
42	GR-009-13-054	spinach	chlorothalonil	GAP not respected	

4. Quality assurance

Country code	Laboratory Name	Laboratory Code	Accreditation Date	Accreditation Body	Participation in proficiency tests or interlaboratory tests
GR-001	Benaki Phytopathological Institute, Laboratory of Pesticide Residues	GR-001	09-07-2002	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-CF7 , EUPT-FV15 EUPT-SRM8, EUPT-AO8, COIPT-13 SCHEMA 23/03 determination of PAHS in water/oil sample (2013-2014)
GR-002	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-FV15

GR-003	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-FV15
GR-004	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-FV15
GR-005	Regional Center of Plant Protection and quality control of Magnesia Laboratory of pesticide residues	GR-005	08-09-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV15
GR-006	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-FV15
GR-007	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-FV15
GR-008	Regional Center of Plant Protection and Quality Control of Iraklion Laboratory of pesticide residues	GR-00	08-9-2009	ESYD S.A. (Hellenic Accreditation System S.A.)	EUPT-FV-15, COI-PT-13
GR-009	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-FV15
GR-010	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-15, EUPT-FV-SM-04, EUPT-C7, EUPT-SRM-08, EUPT-AO-08) COI-PT-13