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HELLENIC MULTI ANNUAL CONTROL PROGRAMME FOR PESTICIDE RESIDUES

MONITORING 2011-2013

According to Regulation (EC) No 396/2005 of the European Parliament and the Council

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1. INTRODUCTION

Multiannual national control programme for pesticide residues (Monitoring) 2011-2013 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 planned controls on pesticide residues, consisting of sampling and laboratory analysis, will be carried out in order to enforce compliance with Regulation (EC) No 396/2005 in accordance with the relevant provisions of EU law relating to official controls for food and feed.

The programme is risk-based and the distribution of the samples intends to ensure that the results are representative of the market. It aims at 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 Community Control Programme according to Commission Regulation (EC) No 901/2009, of 28 September 2009, concerning a Coordinated Multiannual Community Control Programme for the years 2011 and 2012 and the Coordinated Multiannual Community Control Programme for 2011, 2012 and 2013 (is expected to be voted), to ensure compliance with maximum levels of and to assess the consumer exposure to pesticide residues in and on food of plant and animal origin, have been incorporated in the multiannual national control programme for 2011-2013.

Updates of the multiannual national control programme for pesticide residues will be submitted annually.

Sampling strategy will be 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, will be those provided for in JMD 91972/2003 (Directive 2002/63/EC). Samples will be 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 will fully comply with the criteria set out in relevant EU law provisions and other adopted technical guidelines.

Effective, proportionate and dissuasive sanctions, predicted in national legislation, will be imposed in any case of infringement of the provisions of Regulation (EC) No 396/2005.

The control programmes for pesticide residues and the report of results of the national residue monitoring are published on the official web site of the Hellenic Ministry of Rural Development and Food (http://www.minagric.gr/greek/2.2.5.8.1b1.html) on an annual basis.

2. CRITERIA APPLIED IN DRAWING UP THE PROGRAMME

Based on a risk approach, the criteria and factors applied in drawing up the programme include:

- 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
- Pesticides used in practice by the farmers
- Community control programme
- Relevant RASFF notifications for pesticide residues
- Personnel and analytical capacity of the official laboratories

3. PRODUCTS OF PLANT ORIGIN TO BE SAMPLED

Based on the above mentioned criteria, the products of plant origin to be sampled during 2011, 2012 and 2013 according to Regulation (EC) No 396/2005, are:

2011	2012	2013
apple	apple	apple
apricot	apricot	apricot
asparagus	asparagus	asparagus
aubergine (egg plant)	aubergine (egg plant)	aubergine (egg plant)
banana	banana	banana
bean (with pods)	bean (with pods)	bean (with pods)
bean (without pods)	blite	cabbage
cabbage	cabbage	carrot
carrot	carrot	cauliflower
cauliflower	cauliflower	cherry
cherry	cherry	courgette
courgette	courgette	cucumber
cucumber	cucumber	fresh onion
fresh onion	fresh onion	grape
grape	grape	green pea
green pea	green pea	kiwi
kiwi	kiwi	leek
leek	leek	lemon
lemon	lemon	lettuce
lettuce	lettuce	mandarin
mandarin	mandarin	melon
melon	melon	okra
okra	okra	olive oil
olive oil	olive oil	orange
orange	orange	peach/nectarine
peach/nectarine	orange juice	pear
pear	peach/nectarine	pepper
pepper	pear	plum
plum	pepper	
potato	plum	
pulses	potato	
rice	pulses	

spinach strawberry table olives tomato watermelon wheat flour biological products of plant origin baby food of plant origin feed of plant origin	spinach strawberry table olives tomato watermelon wheat biological products of plant origin baby food of plant origin feed of plant origin	potato pulses rye/oat spinach strawberry table olives tomato watermelon biological products of plant origin baby food of plant origin feed of plant origin

In addition to the above mentioned products of plant origin, the products of animal origin included Commission Regulation (EC) No 901/2009 will be sampled and analysed.

4. NUMBER OF SAMPLES

The distribution of the number of samples per product is analysed on the following tables:

Year 2011

Product of plant origin	Number of samples
apple	101
apricot	47
asparagus	26
aubergine (egg plant)	48
banana	5
bean (with pods)	40
bean (without pods)	15
cabbage	5
carrot	31
cauliflower	4
cherry	47
courgette	77
cucumber	141
fresh onion	10
grape	156
green pea	25
kiwi	53
leek	10
lemon	10
lettuce	104
mandarin	35
melon	59
olive oil	> 100 (depending on the annual olive oil production)
okra	13
orange	59
peach/nectarine	73
pear	97
pepper	115
plum	18
potato	81
pulses	15
rice	27
spinach	67
strawberry	45

table olives	15
tomato	164
watermelon	26
wheat flour	15
biological products of plant origin	35
baby food of plant origin	15
feed of plant origin	10

In addition, the number of samples (15) of each product of animal origin (poultry meat, liver) included in Commission Regulation (EC) No 901/2009 for 2011, will be sampled and analysed.

Year 2012

Product of plant origin	Number of samples
apple	98
apricot	63
asparagus	26
aubergine (egg plant)	65
banana	20
bean (with pods)	57
blite	15
cabbage	5
carrot	33
cauliflower	34
cherry	47
courgette	83
cucumber	113
fresh onion	11
grape	169
green pea	25
kiwi	55
leek	10
lemon	10
lettuce	73
mandarin	10
melon	61
okra	13
olive oil	>100 (depending on the annual olive oil production)

orange	38
orange juice	15
peach/nectarine	63
pear	82
pepper	147
plum	19
potato	68
pulses	15
spinach	35
strawberry	45
table olives	15
tomato	153
watermelon	26
wheat	15
biological products of plant origin	30
baby food of plant origin	15
feed of plant origin	10

In addition, the number of samples (15) of each product of animal origin (butter, eggs) included in Commission Regulation (EC) No 901/2009 for 2012, will be sampled and analysed.

Year 2013

Product of plant origin	Number of samples
apple	127
apricot	49
asparagus	26
aubergine (egg plant)	49
banana	5
bean (with pods)	40
cabbage	32
carrot	18
cauliflower	4
cherry	63
courgette	80
cucumber	125
onion	10
grape	192

green pea	10
kiwi	53
leek	27
lemon	10
lettuce	115
mandarin	20
melon	59
okra	13
olive oil	>100 (depending on the annual olive oil production)
orange	65
peach/nectarine	75
pear	65
pepper	132
plum	19
potato	65
pulses	15
rye/oat	27
spinach	42
strawberry	62
table olives	15
tomato	179
watermelon	26
biological products of plant origin	37
baby food of plant origin	15
feed of plant origin	10

In addition, the total number of samples (15) of each product of animal origin (cattle milk, swine meat) included in the coordinated multiannual Community control programme for 2013, will be sampled and analysed.

5. PESTICIDES TO BE ANALYSED

The pesticides to be analysed, depending on the product of plant origin and the laboratory that conducts the analysis, are included in the following table:

Pesticide	RL	Pesticide	RL	Pesticide	RL
abamectin	0.01	ethion	0.05	parathion-methyl (sum of parathion-methyl and paraoxon-methyl expressed as Parathion-methyl)	0.02
acephate	0.02	ethofumesate	0.01	paraoxon	0.04
acetamiprid	0.01	ethoprophos	0.01	penconazole	0.01
aclonifen	0.1	etoxazole	0.01	pendimethalin	0.01
acrinathrin	0.01	famoxadone	0.01	permethrin (sum of isomers)	0.01
alachlor	0.01	fenamidone	0.01	phenthoate	0.01
aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb)	0.01	fenamiphos	0.02	phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	0.05
aldrin and dieldrin (aldrin and dieldrin combined expressed as dieldrin)	0.01	fenarimol	0.01	phosalone	0.01
ametryn	0.01	Fenbutatin oxide	0.01	phosmet	0.01
amitraz	0.01	fenbuconazole	0.01	phosphamidon	0.05
atrazine	0.01	fenchlorphos	0.01	pirimicarb	0.01
azimsulfuron	0.01	fenhexamid	0.01	pirimiphos-ethyl	0.04
azinphos-ethyl	0.02	fenitrothion	0.01	pirimiphos-methyl	0.01
azinphos-methyl	0.01	fenoxycarb	0.01	primisulfuron	0.01
azoxystrobin	0.01	fenpropathrin	0.1	prochloraz	0.01
benalaxyl	0.05	fenpropimorph	0.01	procymidone	0.01
benfuracarb	0.01	fenpyroximate	0.01	profam	0.04
bensulfuron-methyl	0.01	fensulfothion	0.01	profenofos	0.01
bifenthrin	0.03	fenthion (fenthion and its oxigen analogue, their sulfoxides and	0.05	prometryn	0.02

		sulfone expressed as parent)			
bitertanol	0.1	Fentin	0.003	prometon	0.02
boscalid	0.01	fenvalerate and esfenvalerate (Sum of RR & SS isomers)	0.08	propachlor	0.05
bromophos-ethyl	0.05	fenvalerate and esfenvalerate (Sum of RS & SR isomers)	0.08	propamocarb	0.01
bromopropylate	0.05	fipronil	0.005	propanil	0.5
bromuconazole	0.01	fluazinam	0.5	propargite	0.01
bupirimate	0.01	flucythrinate	0.5	propiconazole	0.01
buprofezin	0.01	fludioxonil	0.05	propoxur	0.05
cadusafos	0.01	flufenoxuron	0.01	propyzamide	0.01
captafol	0.02	fluquinconazole	0.02	PTU (propylene thiourea)	0.003
captan	0.04	flusilazole	0.01	pyraclostrobin	0.01
carbaryl	0.01	flutriafol	0.01	pyrazophos	0.05
carbendazim	0.01	folpet	0.02	pyridaben	0.01
carbophenothion	0.01	formothion	0.05	pyrifenox	0.01
carbofuran (sum of carbofuran and 3-hydroxy-carbofuran expressed as carbofuran)	0.01	fosthiazate	0.01	pyrimethanil	0.01
carbosulfan	0.01	furathiocarb	0.01	pyriproxyfen	0.01
chlorbromuron	0.01	hexachlorociclohexane (HCH), sum of isomers, except the gamma isomer	0.005	quinalphos	0.01
chlordane (sum of cis- and trans-chlrodane)	0.01	heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0.01	quinoxyfen	0.01
chlorfenvinphos	0.01	heptenofos	0.02	quintozene (sum of quintozene and pentachloro-aniline expressed as quintozene)	0.05
chlormequat	0.01	hexachlorobenzene	0.01	resmethrin (sum of	0.01

		(HCB)		isomers)	
chlorotoluron	0.01	hexaconazole	0.01	secbumeton	0.01
chlorothalonil	0.01	hexythiazox	0.01	sethoxydime	0.03
chlorpropham	0.05	imazalil	0.02	simazine	0.01
chlorpyrifos	0.01	imidacloprid	0.01	spinosad (sum of spinosyn A and spinosyn D, expressed as spinosad)	0.01
chlorpyrifos-ethyl	0.01	indoxacarb (sum of the isomers S and R)	0.01	spiroxamine	0.01
chlorpyrifos-methyl	0.01	iprodione	0.01	tau-fluvalinate	0.01
chlorsulfuron	0.01	iprovalicarb	0.01	tebuconazole	0.01
clofentezine	0.01	isofenphos-methyl	0.02	tebufenozide	0.01
coumaphos	0.01	kresoxim-methyl	0.01	tebufenpyrad	0.01
cyanazine	0.01	lambda-cyhalothrin	0.01	teflubenzuron	0.05
cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers))	0.02	lindane (gamma-isomer of hexachlorociclohexane (HCH))	0.02	tefluthrin	0.01
cymoxanil	0.01	linuron	0.01	temephos	0.01
cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	0.01	lufenuron	0.01	terbuthylazine	0.01
cyproconazole	0.01	malathion (sum of malathion and malaoxon expressed as malathion)	0.01	terbutryn(e)	0.01
cyprodinil	0.01	mecarbam	0.06	tetrachlorvinphos	0.01
cyromazine	0.01	mepiquat	0.01	tetraconazole	0.01
DDD, o, p´-	0.05	mepanipyrim	0.01	tetradifon	0.05
DDE, o, p´-	0.05	merphos	0.01	thiabendazole	0.01
DDT (sum of p,p´-DDT, o,p´-DDT,	0.05	metalaxyl (metalaxyl including other	0.01	thiacloprid	0.01

p-p´-DDE and p,p´-TDE (DDD) expressed as DDT)		mixtures of constituent isomers including metalaxyl-M (sum of isomers))			
deltamethrin (cis-deltamethrin)	0.04	metalaxyl-M	see metalaxyl	thiamethoxam	0.01
demeton (O+S)	0.01	metamitron	0.01	thifensulfuron-methyl	0.01
demeton-S-methyl	0.01	metconazole	0.01	thiobencarb	0.01
desmetryn	0.1	methacrifos	0.05	thiodicarb	see methomyl
diazinon	0.01	methamidophos	0.01	thiofanox	0.01
dichlofluanid	0.01	methidathion	0.02	thiophanate-methyl	0.01
dichlorvos	0.01	methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb)	0.01	tokuthion	0.01
diclobenil	0.05	methomyl and thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)	0.01	tolclofos-methyl	0.1
dicloran	0.01	methoxyfenozide	0.01	tolyfluanid	0.01
dicofol (sum of p, p´ and o,p´ isomers)	0.02	methoxychlor	0.01	tralomethrin	0.01
dieldrin	see aldrin	metolachlor	0.05	triadimefon (sum of triadimefon and triadimenol)	0.05
diethofencarb	0.01	metoxuron	0.01	triadimenol	see triadimefon
difenoconazole	0.01	metribuzin	0.1	triazophos	0.01
diflubenzuron	0.01	metsulfuron methyl	0.01	trichloronate	0.01
dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	0.02	mevinphos	0.04	trifloxystrobin	0.01
dimethomorph	0.01	monocrotophos	0.01	triflumuron	0.05
diniconazole	0.05	monolinuron	0.01	trifluralin	0.1
dinitramine	0.01	myclobutanil	0.01	vamidothion	0.01

dinobuton	0.1	naled	0.01	vinclozolin	0.05
diphenylamine	0.02	nicosulfuron	0.01		
disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton)	0.02	omethoate	see dimethoate		
dithiocarbamates (CS_2, maneb, mancozeb, metiram, propineb, thiram, ziram)	0.1	oxadixyl	0.01		
dimethomorph	0.2	oxamyl	0.01		
endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan)	0.005	oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl)	0.01		
endrin	0.05	oxyfluorfen	0.01		
epoxiconazole	0.01	parathion	0.01		
ethalfluralin	0.1				