



HELLENIC MINISTRY OF RURAL DEVELOPMENT AND FOOD
GENERAL DIRECTORATE OF SUSTAINABLE PLANT PRODUCE
DIRECTORATE OF PLANT PRODUCE PROTECTION
DEPARTMENT OF PLANT PROTECTION PRODUCTS AND BIOCIDES
150, SYGROU AVE.
176 71, ATHENS
GREECE

HELLENIC MULTI ANNUAL CONTROL PROGRAMME FOR PESTICIDE RESIDUES

MONITORING 2015-2017

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

<http://www.minagric.gr/index.php/el/for-farmer-2/crop-production/fytoprostasiamenu/ypoleimatafyto>

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) 2015-2017 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.

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 400/2014, of 22st April 2014, concerning a Coordinated Multiannual Community Control Programme for the years 2015, 2016 and 2017 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 2015-2017.

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. For feed, sampling and analysis is carried out according to 152/2009/EC as amended by Reg. 691/2013 /EC.

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 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 AND ANIMAL ORIGIN TO BE SAMPLED

Based on the above mentioned criteria, the products of plant and animal origin to be sampled during 2015, 2016 and 2017 according to Regulation (EC) No 396/2005, are:

2015	2016	2017
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)
broccoli	broccoli	broccoli
butter	cabbage	broccoli
cabbage	carrot	cabbage
carrot	cauliflower	carrot
cauliflower	cherry	cauliflower
cherry	courgette	cherry
chestnut	cucumber	courgette
courgette	grapefruit	cucumber
cucumber	juice (various fruits)	grape
eggs (chicken)	kiwi	kiwi
fig	leek	leek
figs dried	lemon	lemon
grapefruit	lettuce	lettuce
honey	mandarin	lettuce
juice (orange)	meat	liver (bovine and other
kiwi	(swine muscle and fat)	ruminants, swine and poultry)
lemon	melon	mandarin
lettuce	milk (cow's)	meat (poultry muscle and fat)
mandarin	okra	melon
melon	olive oil	okra
nuts	onion	olive oil
okra	orange	onion
olive oil		

onion		orange
orange	peach/nectarine	peach/nectarine
peach/nectarine	pear	pear
pear	peas without pods (fresh/frozen)	peas without pod (fresh/frozen)
peas without pod (fresh/frozen)	pepper	pepper
pepper	plum	plum
plum	pomegranate	potato
potato	potato	pulses
pulses	pulses	pulses
quince	rice	spinach
rice	rye/oat or rye flour	rice
rocket-radish	spinach	strawberry
spinach	strawberry	table grapes
strawberry	table grapes	table olives
spices	table olives	tomato
table grapes	tomato	vine leaves
table olives	vine leaves	watermelon
tea, herbs	watermelon	wheat flour
tomato	wheat flour	wheat flour
vine leaves	wine	wine grapes
watermelon	wine grapes	organic products of plant origin
wheat	organic products of plant origin	baby food of plant origin
whole grain flour	baby food of plant origin	feed of plant origin
wine grapes	feed of plant origin	processed products
organic products of plant origin	processed products	
baby food of plant origin		
feed of plant origin		

4. NUMBER OF SAMPLES

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

Year 2015

Product of plant/animal origin	Number of samples
apple	75
apricot	46
asparagus	20
aubergine (egg plant)	71
banana	37
bean (with pods)	42
broccoli	23
butter	15
cabbage	22
carrot	39
cauliflower	15
cherry	46
chestnut	6
courgette	62
cucumber	84
eggs (chicken)	15
fig	5
figs dried	5
grape fruit	7
honey	10
juice (orange)	15
kiwi	45
lemon	34
lettuce	72
mandarin	65
melon	47
nuts	5
okra	8
olive oil	70
onion	10
orange	64
parsley	5
peach/nectarine	76
pear	67
peas without pod (fresh/frozen)	45
pepper	111
plum	28
pomegranate	18

potato	72
pulses	10
quince	2
rice	15
rocket-radishes	14
spinach	55
strawberry	48
table grapes	83
table olives	15
tea-herbs-spices	5
tomato	85
vine leaves	13
watermelon	19
wheat	22
whole grain flour	20
wine grapes	37
organic products of plant origin	55
baby food of plant origin	20
feed of plant origin	10

Year 2016

Product of plant/animal origin	Number of samples
apple	80
apricot	45
asparagus	20
aubergine (eggplant)	55
banana	20
rye/oat (or rye flour)	15
bean (with pods)	40
broccoli	20
cabbage	35
carrot	35
cauliflower	10
cherry	45
courgette	65
cucumber	90
grapes (table and wine)	90
grapefruit	5
kiwi	45
leek	15
lemon	30
lettuce	70
mandarin	66

meat (swine muscle and fat)	15
melon	45
milk (cow's)	15
okra	10
olive oil	50
onion	10
orange	65
peach/nectarine	80
pear	70
peas without pods (fresh/frozen)	55
pepper	100
plum	25
pomegranate	10
potato	75
pulses	10
rice	20
spinach	55
strawberry	60
table olives	15
tomato	90
vine leaves	15
watermelon	18
wheat flour	15
organic products of plant origin	50
baby food of plant origin	20
feed of plant origin	10
wine	15
juice (various fruits)	15
other processed products	10

Year 2017

Product of plant/animal origin	Number of samples
apple	80
apricot	45
asparagus	20
aubergine (eggplant)	55
banana	25
bean (with pods)	45
broccoli	15
cabbage	20
carrot	40
cauliflower	15

cherry	45
courgette	60
cucumber	85
onion	10
grapes (table and wine)	90
kiwi	45
leek	15
lemon	30
lettuce	80
liver (bovine and other ruminants, swine and poultry)	15
meat (poultry muscle and fat)	15
melon	40
okra	8
olive oil	70
orange or mandarin	120
peach/nectarine	75
pear	70
peas without pod (fresh/frozen)	45
pepper	100
plum	15
potato	70
pulses	10
spinach	35
rice	25
strawberry	45
table olives	20
tomato	90
vine leaves	15
watermelon	18
wheat flour	15
other processed products	90
organic products of plant origin	50
baby food of plant origin	20
feed of plant origin	10

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 tables. In addition, lower RLs are achieved for baby foods according to the relevant Regulations.

5.1. MRM for products of high water content:

Analyte	RL mg/kg	Analyte	RL mg/kg	Analyte	RL mg/kg
acrinathrin	0,02	dicloran	0,05	iprodione	0,05
alachlor	0,01	dieldrin (sum)	0,01	kresoxim-methyl	0,05
aldrin	βλέπε dieldrin	• aldrin	0,01	lambda-cyhalothrin	0,01
benfluralin	0,01	• dieldrin	0,01	lindane (HCH, gamma-)	0,01
bifenthrin	0,02	dinitramine	0,01	metribuzin	0,02
bromophos-ethyl	0,01	dinobuton	0,1	nitrofen	0,02
bromopropylate	0,01	endosulfan (sum)	0,005	oxychlorane	0,02
chlordan (sum)	0,01	• endosulfan, alpha-	0,005	oxyfluorfen	0,05
• chlordan, alpha- (cis-)	0,01	• endosulfan, beta-	0,005	permethrin (sum)	0,01
• chlordan, gamma- (trans-)	0,01	• endosulfan-sulfate	0,005	phenthoate	0,05
chlorfenapyr	0,02	endrin	0,02	procymidone	0,02
chlorothalonil	0,01	ethalfuralin	0,02	propachlor	0,02
chlorpyrifos	0,005	fenarimol	0,02	propyzamide	0,01
chlorpyrifos-methyl	0,01	fenpropathrine	0,02	prothiofos	0,02
chlorthal dimethyl	0,01	fenvalerate & esfenvalerate (sum of RR&SS isomers)	0,02	quintozene (sum)	0,05
cyfluthrin (sum)	0,01	fenvalerate & esfenvalerate (sum of RS&SR isomers)	0,02	• quintozene	0,05
cypermethrin (sum)	0,01	flucythrinate	0,02	• pentachloro-aniline	0,05
DDD, o, p'-	0,02	HCH (sum)	0,005	tau-fluvalinate	0,01
DDE, o, p'-	0,02	• HCH, alpha-	0,005	tecnazene	0,02
DDT (sum)	0,02	• HCH, beta-	0,005	tefluthrin	0,02
• DDT, p, p'-	0,02	heptachlor (sum)	0,01	tetradifon	0,05
• DDT, o, p'-	0,02	• heptachlor	0,01	tolclofos-methyl	0,01
• DDE, p, p'-	0,02	• heptachlor-epoxide	0,01	trifluralin	0,01
• DDD (TDE), p, p'-	0,02	hexachlorobenzene (HCB)	0,02	vinclozolin	0,02
deltamethrin (cis-)	0,01				

Analyte	RL mg/kg	Analyte	RL mg/kg	Analyte	RL mg/kg
abamectin (sum)	0,01	dimethoate (sum)	0,01	hexaconazole	0,01
• avermectin B1a	0,01	• dimethoate	0,01	hexythiazox	0,01
• avermectin B1b	0,01	• omethoate	0,01	imazalil	0,02
acephate	0,05	dimethomorph	0,01	imazamethabenz-methyl	0,01
acetamiprid	0,01	diniconazole	0,01	imidacloprid	0,01
acetochlor	0,01	diphenamid	0,1	indoxacarb (sum)	0,01
aldicarb (sum)	0,1	disulfoton (sum)	0,05	iprovalicarb	0,05
• aldicarb	0,1	• disulfoton	0,05	isofenphos-methyl	0,01

• aldicarb sulfone	0,01	• disulfoton sulfone	0,01	isoprothiolane	0,05
• aldicarb sulfoxide	0,01	• disulfoton sulfoxide	0,01	isoproturon	0,01
ametryn	0,01	diuron	0,05	linuron	0,01
asulam	0,1	dodemorph	0,01	lufenuron	0,05
atrazine	0,01	emamectin ⁽¹⁾	0,01	malathion (sum)	0,01
azimsulfuron	0,01	EPN	0,01	• malathion	0,01
aziphos ethyl	0,05	epoxiconazole	0,01	• malaixon	0,01
aziphos methyl	0,01	ethion	0,01	mecarbam	0,05
azoxystrobin	0,01	ethirimol	0,01	mepanipyrim	0,01
benalaxyl	0,05	ethofumesate	0,01	metaflumizone	0,05
benfuracarb	0,01	ethoprophos	0,01	metalaxyl (sum)	0,01
benomyl	as carbendazim	ethoxyquin	0,02	metamitron	0,01
bensulfuron-methyl	0,01	etofenprox	0,01	metconazole	0,01
benzoximate	0,01	etoxazole	0,01	methabenzthiazuron	0,05
bitertanol	0,1	famoxadone	0,01	methacrifos	0,01
boscalid	0,1	fenamidone	0,01	methamidophos	0,01
bromacil	0,05	fenamiphos (sum)	0,01	methiocarb (sum)	0,01
bromuconazole	0,01	• fenamiphos	0,01	• methiocarb	0,01
bupirimate	0,01	• fenamiphos sulfone	0,01	• methiocarb-sulfone	0,01
buprofezin	0,01	• fenamiphos sulfoxide	0,01	• methiocarb-sulfoxide	0,01
cadusafos	0,01	fenazaquin	0,01	methomyl (sum)	0,01
carbaryl	0,01	fenbuconazole	0,01	• methomyl	0,01
carbendazim (& benomyl)	0,01	fenhexamid	0,01	• thiodicarb	0,01
carbofuran (sum)	0,01	fenoxycarb	0,01	methoxyfenozide	0,01
• carbofuran	0,01	fenpropidin	0,01	metobromuron	0,01
• carbofuran, 3-hydroxy-	0,01	fenpropimorph	0,05	metoxuron	0,01
carbosulfan	0,01	fenpyroximate	0,01	metsulfuron methyl	0,01
carboxin	0,01	fensulfothion (sum)	0,01	mevinphos (sum)	0,05
chlorbromuron	0,01	• fensulfothion	0,01	• mevinphos E (cis)	0,05
chlorfenvinphos	0,01	• fensulfothion oxon	0,01	• mevinphos Z (trans)	0,05
chloridazon	0,05	• fensulfothion sulfone	0,01	monocrotophos	0,01
chlorotoluron	0,01	• fensulfothion oxon- sulfone	0,01	monolinuron	0,01
chloroxuron	0,01	fenthion (sum)	0,01	myclobutanil	0,01
chlorpyriphos	0,01	• fenthion	0,01	naled	0,01
chlorsulfuron	0,01	• fenthion oxon	0,01	napropamide	0,01
clofentezine	0,01	• fenthion-sulfone	0,01	nicosulfuron	0,01
clothianidin	0,01	• fenthion-sulfoxide	0,01	nitenpyram	0,05
coumaphos	0,01	• fenthion oxon-sulfone	0,01	nuarimol	0,05
cymoxanil	0,01	• fenthion oxon-sulfoxide	0,01	omethoate	βλέπε dimethoate
cyproconazole	0,01	flufenacet	0,01	oxadiazon	0,01
cyprodinil	0,01	flufenoxuron	0,01	oxadixyl	0,01
cyromazine	0,1	fluometuron	0,01	oxamyl	0,01
demeton-S-methyl	0,01	fluopicolide	0,02	oxydemeton methyl (sum) (demeton-S-methyl sulfoxide)	0,01
desmetryn	0,01	fluquinconazole	0,01	• oxydemeton methyl (demeton-S-methyl sulfoxide)	0,01
diazinon	0,01	fluroxypyr	0,05	• demeton-S-methyl sulfone	0,01
diafenthiuron	0,05	flutolanil	0,01	paclobutrazole	0,02
dichlofluanid	0,01	flusilazole	0,01	paraoxon-methyl	0,01
dichlorvos	0,01	flutriafol	0,01	parathion	0,01
dicrotophos	0,01	foramsulfuron	0,05	penconazole	0,01
diethofencarb	0,01	formetanate ⁽²⁾	0,01	pencycuron	0,01

difenoconazole	0,01	fosthiazate	0,01	pendimethalin	0,01
diflubenzuron	0,01	furathiocarb	0,01	phenonthrin	0,01
diflufenican	0,01	heptenophos	0,05	phosalone	0,01

Analyte	RL mg/kg	Analyte	RL mg/kg
aclonifen	0,1	folpet	0,05
captafol	0,1	methidathion	0,01
captan	0,05	metazachlor	0,01
chlorobenzilate	0,05	metolachlor	0,01
chlorpropham	0,02	orthophenyl-phenol	0,01
cyanazine	0,02	parathion-methyl	0,02
dicofol (sum)	0,05	phorate	0,01
• dicofol, p, p'-	0,05	propanil	0,1
• dicofol, o, p'-	0,10	propham	0,01
diphenylamine	0,02	resmethrin	0,02
fenitrothion	0,02	simazine	0,01

5.2.a MRM for products of high fat content (plant origin)

Analyte	RL mg/kg	Analyte	RL mg/kg	Analyte	RL mg/kg
Acephate	0,01	DDD, o, p'-	0,02	fenpyroximate	0,01
Acetamiprid	0,01	DDE, o, p'-	0,02	fensulfothion (sum)	0,01
Acetochlor	0,01	DDT (sum)	0,02	fensulfothion	0,01
Aclonifen	0,1	• DDT, p, p'-	0,02	fensulfothion oxon	0,01
Acrinathrin	0,01	• DDT, o, p'-	0,02	fensulfothion sulfone	0,01
Alachlor	0,01	• DDE, p, p'-	0,02	fensulfothion oxon-sulfone	0,01
aldicarb (sum)	0,01	• DDD (TDE), p, p'-	0,02	fenthion (sum)	0,01
• Aldicarb	0,01	deltamethrin (cis-)	0,01	• fenthion	0,01
• aldicarb sulfone	0,01	demeton-S-methyl	0,01	• fenthion oxon	0,01
• aldicarb sulfoxide	0,01	desmetyrn	0,1	• fenthion-sulfone	0,01
Aldrin	as dieldrin	diafenthionuron	0,05	• fenthion-sulfoxide	0,01
ametryn	0,01	diazinon	0,01	• fenthion oxon-sulfone	0,01
Atrazine	0,01	dichlofluanid	0,01	• fenthion oxon-sulfoxide	0,01
Azimsulfuron	0,01	dichlorvos	0,01	fenvalerate & esfenvalerate (sum of RR&SS isomers)	0,01
azinphos-ethyl	0,02	dicloran	0,01	fenvalerate & esfenvalerate (sum of RS&SR isomers)	0,01
azinphos-methyl	0,01	dicofol (sum)	0,05	fipronil desulfanyl	0,01
Azoxystrobin	0,01	• dicofol, p, p'-	0,05	fluazinam	0,01
Benalaxyl	0,05	• dicofol, o, p'-	0,05	flucythrinate	0,5
Benfluralin	0,01	dicrotophos	0,05	fludioxonil	0,01
Benfuracarb	0,01	dieldrin (sum)	0,01	flufenacet	0,01
Benomyl	as carbendazim	• aldrin	0,01	flufenoxuron	0,01
bensulfuron-methyl	0,01	• dieldrin	0,01	fluometuron	0,01
Benthiocarb	0,01	diethofencarb	0,01	fluopicolide	0,01
Benzoximate	0,01	difenoconazole	0,01	fluquinconazole	0,01
Bifenthrin	0,01	diflufenican	0,01	flutolanil	0,01
Bitertanol	0,1	dimethoate (sum)	0,01	flusilazole	0,01
Boscalid	0,01	• dimethoate	0,01	flutriafol	0,01

Bromacil	0,05	• omethoate	0,01	folpet	0,01
bromophos-ethyl	0,05	dimethomorph	0,01	fosthiazate	0,01
Bromopropylate	0,05	diniconazole	0,01	furathiocarb	0,01
Bromuconazole	0,01	dinitramine	0,01	HCH (sum)	0,005
Bupirimate	0,01	dinobuton	0,05	• HCH, alpha-	0,005
Buprofezin	0,01	diphenamid	0,05	• HCH, beta-	0,005
Cadusafos	0,01	disulfoton (sum)	0,01	heptachlor (sum)	0,01
Captafol	0,02	• disulfoton	0,01	• heptachlor	0,01
Carbaryl	0,01	• disulfoton sulfone	0,01	• heptachlor-epoxide	0,01
carbendazim (& benomyl)	0,01	• disulfoton sulfoxide	0,01	heptenophos	0,05
carbofuran (sum)	0,01	dodemorph	0,01	hexachlorobenzene (HCB)	0,01
• carbofuran	0,01	endosulfan (sum)	0,005	hexaconazole	0,01
• carbofuran, 3-hydroxy-	0,01	• endosulfan, alpha-	0,005	hexythiazox	0,01
Carbosulfan	0,01	• endosulfan, beta-	0,005	imazalil	0,02
Carboxin	0,01	• endosulfan-sulfate	0,005	imazamethabenz-methyl	0,01
Chlorbromuron	0,01	endrin	0,02	imidacloprid	0,01
chlordan (sum)	0,01	EPN	0,01	indoxacarb (sum)	0,01
• chlordan, alpha- (<i>cis</i> -)	0,01	epoxiconazole	0,01	iprodione	0,01
• chlordan, gamma- (<i>trans</i> -)	0,01	ethalfuralin	0,05	iprovalicarb	0,01
Chlorfenapyr	0,02	ethion	0,01	isofenphos-methyl	0,01
Chlorfenvinphos	0,01	ethirimol	0,01	isoprothiolane	0,05
Chloridazon	0,05	ethofumesate	0,01	isoproturon	0,01
Chlorobenzilate	0,01	ethoprophos	0,01	kresoxim-methyl	0,01
Chlorothalonil	0,01	ethoxyquin	0,01	lambda-cyhalothrin	0,01
Chlorotoluron	0,01	etofenprox	0,01	lindane (HCH, gamma-)	0,01
Chloroxuron	0,01	etoxazole	0,01	linuron	0,01
Chlorpyrifos	0,01	famoxadone	0,01	lufenuron	0,01
chlorpyrifos-methyl	0,01	fenamidone	0,01	malathion (sum)	0,01
Chlorsulfuron	0,01	fenamiphos (sum)	0,01	• malathion	0,01
chlorthal dimethyl	0,01	• fenamiphos	0,01	• malaixon	0,01
Clofentezine	0,01	• fenamiphos sulfone	0,01	mecarbam	0,01
Clothianidin	0,01	• fenamiphos sulfoxide	0,01	mepanipyrim	0,01
Coumaphos	0,01	fenazaquin	0,01	metaflumizone	0,01
Cyanazine	0,01	fenarimol	0,01	metalaxyl (sum)	0,01
cyfluthrin (sum)	0,02	fenbuconazole	0,01	metamitron	0,01
Cymoxanil	0,01	fenhexamid	0,01	metazachlor	0,05
cypermethrin (sum)	0,01	fenitrothion	0,01	metconazole	0,01
Cyproconazole	0,01	fenoxycarb	0,01	methabenzthiazuron	0,05
Cyprodinil	0,01	fenpropathrin	0,01	methacrifos	0,01
Cyromazine	0,01	fenpropimorph	0,01	methamidophos	0,01
				methidathion	0,02

Analyte	RL mg/kg	Analyte	RL mg/kg	Αναλύτης	RL mg/kg
methiocarb (sum)	0,01	phosmet (sum)	0,01	spinosad (sum)	0,01
• methiocarb	0,01	• phosmet	0,01	• spinosyn A	0,01
• methiocarb-sulfone	0,01	• phosmet oxon	0,01	• spinosyn D	0,01
• methiocarb-sulfoxide	0,01	phoxim	0,01	spirodiclofen	0,01
methomyl (sum)	0,01	picoxystrobin	0,05	spiroxamine	0,01
• methomyl	0,01	pirimicarb (sum)	0,01	tau-fluvalinate	0,01
• thiodicarb	0,01	• pirimicarb	0,01	tebuconazole	0,01
methoxychlor	0,01	• desmethyl pirimicarb	0,01	tebufenozide	0,01
methoxyfenozide	0,01	pirimiphos-methyl	0,01	tebufenpyrad	0,01
metobromuron	0,01	piperonyl butoxide	0,01	tecnazene	0,01
metolachlor	0,01	primisulfuron	0,01	teflubenzuron	0,01
Metoxuron	0,01	prochloraz	0,01	tefluthrin	0,01
Metribuzin	0,01	procymidone	0,01	temephos	0,01
metsulfuron methyl	0,01	profenofos	0,01	terbufos (sum)	0,01
mevinphos (sum)	0,05	prometryn	0,01	terbufos	0,01
• mevinphos E (cis)	0,05	propachlor	0,05	terbufos sulfone	0,01
• mevinphos Z (trans)	0,05	propanil	0,01	terbufos sulfoxide	0,01
monocrotophos	0,01	propargite	0,01	terbuthylazine	0,01
monolinuron	0,01	propham	0,01	terbutryn	0,05
myclobutanil	0,01	propiconazole	0,01	tetrachlorvinphos	0,05
Naled	0,01	propyzamide	0,01	tetraconazole	0,01
napropamide	0,01	prothioconazole (sum)	0,01	tetradifon	0,01
nicosulfuron	0,01	• prothioconazole desthio	0,01	thiabendazole	0,01
nitenpyram	0,05	prothiofos	0,01	thiacloprid	0,01
nitrofen	0,01	pymetrozine	0,01	thiamethoxam (sum)	0,01
nuarimol	0,05	pyraclostrobin	0,01	• thiamethoxam	0,01
omethoate	as dimethoate	pyrazophos	0,01	• clothianidin	0,01
oxadiazon	0,01	pyrethrins (sum)	0,01	thiodicarb	as methomyl
oxadixyl	0,01	• cinerin I	0,01	thiophanate-methyl	0,01
oxamyl	0,01	• cinerin II	0,01	tolclofos-methyl	0,01
oxydemeton methyl (sum) (demeton-S-methyl sulfoxide)	0,01	• jasmolin I	0,01	tolyfluanid	0,01
• oxydemeton methyl (demeton-S-methyl sulfoxide)	0,01	• jasmolin II	0,01	tralkoxydim	0,05
• demeton-S-methyl sulfone	0,01	• pyrethrin I	0,01	triadimefon (sum)	0,01
oxyfluorfen	0,01	• pyrethrin II	0,01	• triadimefon	0,01
paclobutrazole	0,01	pyridaben	0,01	• triadimenol	0,01
parathion	0,01	pyrifenox	0,01	triadimenol	as triadimefon
parathion-methyl (sum)	0,02	pyrimethanil	0,01	triazophos	0,01
• parathion-methyl	0,02	pyriproxyfen	0,01	tricyclazole	0,01
• paraoxon-methyl	0,02	quinalphos	0,01	trifloxystrobin	0,01
penconazole	0,01	quinoxifen	0,01	triflumuron	0,01
pencycuron	0,01	quintozene (sum)	0,01	trifluralin	0,01
pendimethalin	0,01	•quintozene	0,01	triticonazole	0,01
permethrin (sum)	0,01	•pentachloro-aniline	0,01	vamidothion	0,01
phenthoate	0,02	sethoxydime	0,01	vinclozolin	0,01
Phorate	0,05	simazine	0,01	zoxamide	0,01
phosalone	0,01				

5.2.b. MRM for products of high fat content (animal origin):

Analyte	RL	Analyte	RL	Analyte	RL
acrinathrin	0.01	dimethoate (sum)	0.01	haloxyfop ethyl ester	0.01
alachlor	0.01	• dimethoate	0.01	haloxyfop methoxyethyl ester	0.01
aldrin (sum)	0.01	• omethoate	0.01	HCH (sum)	0.01
• aldrin	0.01	dimethomorph	0.01	• HCH, alpha-	0.01
• dieldrin	0.01	diniconazole	0.01	• HCH, beta-	0.01
ametryn	0.01	dinitramine	0.01	heptachlor (sum)	0.01
atrazine	0.01	dinobuton	0.01	• heptachlor	0.01
azimsulfuron	0.01	diphenylamine	0.01	• heptachlor-epoxide cis	0.01
aziphos-ethyl	0.01	disulfoton (sum)	0.01	• heptachlor-epoxide trans	0.01
aziphos-methyl	0.01	• disulfoton	0.01	hexachlorobenzene (HCB)	0.01
azoxystrobin	0.01	• disulfoton sulfone	0.01	hexaconazole	0.01
benalaxyl	0.01	• disulfoton sulfoxide	0.01	hexythiazox	0.01
bensulfuron-methyl	0.01	dodemorph	0.01	imazalil	0.01
bifenthrin	0.01	endosulfan (sum)	0.01	indoxacarb (sum)	0.01
bitertanol	0.01	• endosulfan, alpha-	0.01	iprodione	0.01
Boscalid	0.01	• endosulfan, beta-	0.01	iprovalicarb	0.01
bromopropylate	0.01	• endosulfan-sulfate	0.01	isofenphos-methyl	0.01
bromuconazole	0.01	endrin	0.01	kresoxim-methyl	0.01
bupirimate	0.01	epoxiconazole	0.01	lambda-cyhalothrin	0.01
buprofezin	0.01	ethalfuralin	0.01	lindane (HCH, gamma-)	0.01
cadusafos	0.01	ethion	0.01	linuron	0.01
captafol	0.01	ethofumesate	0.01	malathion (sum)	0.01
carbendazim	0.01	ethoprophos	0.01	• malathion	0.01
carbosulfan	0.01	etoxazole	0.01	• malaoxon	0.01
chlorbromuron	0.01	famoxadone	0.01	mepanipyrim	0.01
chlordan (sum)	0.01	fenamidone	0.01	metalaxyl (sum)	0.01
• chlordan, alpha- (<i>cis</i> -)	0.01	fenarimol	0.01	metconazole	0.01
• chlordan, gamma- (<i>trans</i> -)	0.01	fenbuconazole	0.01	methacrifos	0.01
• oxychlordan	0.01	fenhexamid	0.01	methidathion	0.01
chlorfenvinphos	0.01	fenitrothion	0.01	methoxychlor	0.01
chlorobenzilate	0.01	fenoxycarb	0.01	methoxyfenozide	0.01
chlorothalonil	0.01	fenpropathrin	0.01	metsulfuron methyl	0.01
chlorotoluron	0.01	fenpropimorph	0.01	monolinuron	0.01
chlorpropham	0.01	fenpyroximate	0.01	myclobutanil	0.01
chlorpyrifos	0.01	fensulfothion (sum)	0.01	naled	0.01
chlorpyrifos-methyl	0.01	• fensulfothion	0.01	nicosulfuron	0.01
clofentezine	0.01	• fensulfothion oxon	0.01	omethoate	as dimethoate
cyfluthrin (sum)	0.01	• fensulfothion sulfone	0.01	oxyfluorfen	0.01
cypermethrin (sum)	0.01	• fensulfothion oxon-sulfone	0.01	parathion	0.01
cyproconazole	0.01	fenthion (sum)	0.01	parathion-methyl (sum)	0.01
DDE, o, p'-	0.01	• fenthion	0.01	• parathion-methyl	0.01
DDT (sum)	0.01	• fenthion oxon	0.01	• paraoxon-methyl	0.01
• DDT, p, p'-	0.01	• fenthion-sulfone	0.01	penconazole	0.01
• DDT, o, p'-	0.01	• fenthion-sulfoxide	0.01	pendimethalin	0.01
• DDE, p, p'-	0.01	• fenthion oxon-sulfone	0.01	permethrin (sum)	0.01
• DDD (TDE), p, p'-	0.01	• fenthion oxon-sulfoxide	0.01	phorate	0.01
deltamethrin (<i>cis</i> -)	0.01	fenvalerate & esfenvalerate	0.01	phosalone	0.01
demeton-S-methyl	0.01	fenvalerate & esfenvalerate	0.01	phosmet (sum)	0.01
diazinon	0.01	fluazifop	0.01	• phosmet	0.01
dichlofluanid	0.01	flucythrinate	0.01	• phosmet oxon	0.01
dicloran	0.01	fluquinconazole	0.01	pirimiphos-methyl	0.01
dicofol (sum)	0.01	fluroxypyr	0.01	primisulfuron	0.01
• dicofol, p, p'-	0.01	flusilazole	0.01	prochloraz	0.01
• dicofol, o, p'-	0.01	flutriafol	0.01	procymidone	0.01
dieldrin	as aldrin	folpet	0.01	profenofos	0.01

diethofencarb	0.01	formothion	0.01	prometryn	0.01
difenoconazole	0.01	fosthiazate	0.01	propachlor	0.01
diflubenzuron	0.01	furathiocarb	0.01	propargite	0.01
				propiconazole	0.01

Analyte	RL	Analyte	RL	Analyte	RL
propyzamide	0.01	spinosad (sum)	0.01	tetraconazole	0.01
pyraclostrobin	0.01	• spinosyn A	0.01	tetradifon	0.01
pyrazophos	0.01	• spinosyn D	0.01	thiodicarb	0.01
pyridaben	0.01	spiroxamine	0.01	thiophanate-methyl	0.01
pyrifenox	0.01	tau-fluvalinate	0.01	tolclofos-methyl	0.10
pyrimethanil	0.01	tebufenozide	0.01	tolyfluanid	0.01
pyriproxyfen	0.01	tebufenpyrad	0.01	triadimefon (sum)	0.01
quinoxifen	0.01	tecnazene	0.01	• triadimefon	0.01
quintozene (sum)	0.01	temephos	0.01	• triadimenol	0.01
• quintozene	0.01	terbufos (sum)	0.01	triadimenol	as triadimefon
• pentachloro-aniline	0.01	• terbufos	0.01	triazophos	0.01
resmethrin	0.01	• terbufos sulfone	0.01	trifloxystrobin	0.01
sethoxydime	0.01	• terbufos sulfoxide	0.01	trifluralin	0.1
		terbuthylazine	0.01	vinclozolin	0.01

5.3 Dithiocarbamates:

Analyte	RL mg/kg
Dithiocarbamates (Dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram)	0.3

5.4. Bromide ion:

Analyte	RL mg/kg
Bromide (ion)	0.5

5.5 Polar & ionic compounds:

Analyte	RL mg/kg
glyphosate	0.1
AMPA (amino methyl phosphonic acid)	2
ethephon	0.2
glufosinate	2
chlormequat	0.01
mepiquat	0.01

5.6 Acidic compounds:

Analyte	RL mg/kg
1-naphthylacetic acid	0.02
2,4-D	0.02
2iP	0.02
2-naphthoxyacetic acid	0.02
4-Chlorophenoxyacetic acid	0.02
6-benzyladenine	0.02
chlormequat	0.02
fluazifop	0,01
forchlorfenuron	0.02
gibberellic acid	0.02
haloxyfop	0.003
haloxyfop ethyl ester	0.003
haloxyfop methyl ester	0.003
IBA	0.02
mefluidide	0.02
mepiquat	0.02
prohexadione	0.02
thidiazuron	0.02