



## National Pesticide Residue Control Plan

### (according to article 30.2 of regulation. EC 396/2005)

**Country: LUXEMBOURG**

**Year: 2014-2017**

#### Part 1: Infrastructure of services involved in the implementation of the pesticide residue control plan

The Ministry of Health is the competent authority for the control of pesticide residues in food of both plant and animal origin. Within this ministry, the Food safety service (Secualim) of the Directorate for public health is the executive, competent authority responsible for the control of pesticide residues in food of plant origin, including cereals and baby food. Secualim is also responsible for transferring notifications to the Rapid Alert System for food and feed (RASFF) via the national contact point (OSQCA) for these same categories of food.

As regards the control of pesticide residues in food of animal origin, the veterinary services (ASV) are the executive competent authorities. The various roles of these two authorities for the control of pesticide residues in food, both operating under the Ministry of Health, are illustrated in **table 1**.

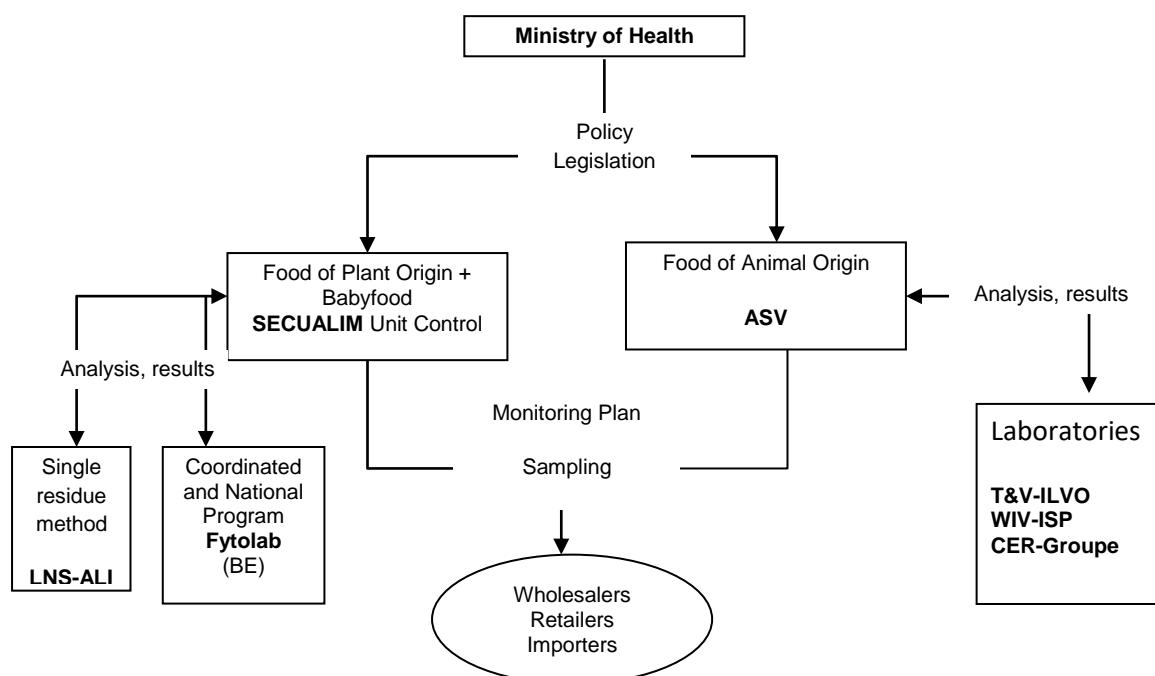
*Table 1. Various roles of the Secualim and ASV departments for the control of pesticide residues in food.*

Role	Organisation name	Organisation address	Products
Official Reporting Organisation	Food Safety Service	3 rue des Primeurs L-2361 Strassen	Fruits, vegetables, cereals, baby food (including organic products)
Residue programme design			
Sample Collection			
Enforcement agency			
Official Reporting Organisation	Veterinary Service Administration	211 route d'Esch L-1040 Luxembourg	Animal Products
Residue programme design			
Sample Collection			
Enforcement agency			
Laboratory services	FYTOLAB	Technologiepark 2-3 B-9052 Zwijnaarde GENT	Fruits, vegetables, cereals, baby food

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Laboratory services	Laboratoire National de Santé (LNS)	1, Rue Louis Rech L-3555 Dudelange	Fruits, vegetables
Laboratory services	T&V-ILVO	Brusselsesteenweg 370, B-9090 MELLE	Animal Products
Laboratory services	WIV-ISP	Rue J. Wytsmanstraat, 14 B-1050 Brussels	Animal Products
Laboratory services	CER-Groupe	Rue du Point du Jour, 8 B-6900 Marloie	Animal Products

The collected samples are sent to the appropriate laboratories: the samples from food of animal origin are analysed by the laboratory for the products of animal origin (CER). For products of plant origin, samples collected are sent to Fytolab, laboratory for pesticide and residue analysis; samples analysed with single residue method are sent to the food laboratory of the national health laboratory (LNS-ALI). The role and implementation of the various services during the sample collection process at wholesalers, retailers and during import is represented in **figure 1** below.



**Figure 1.** Role of the various departments involved in the control plan.

**Secualim:** Food safety service of the Directorate for public health

**ASV:** administration of Veterinary service

**LNS-ALI:** Food laboratory of the National health laboratory

**CER:** Centre d'économie rurale, laboratory for the products of animal origin

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**Part 2: Design of monitoring plan**

**Food of plant origin, cereals, baby food**

The Food safety service (Secualim) is responsible for drafting the sampling plan and for the control of presence of pesticide residues in fruits, vegetables, cereals, baby food and other plant products.

The control programme includes two different programs:

- The Coordinated community control programme based on the Commission Regulation EC 788/2012 of 31<sup>st</sup> August 2012 concerning a coordinated multiannual control programme.
- The national programme based on a risk assessment where several factors were taken into account: results from previous checks, data from the RASFF (rapid alert system for food and feed) over the last 3 years, toxicological data of residues, national production and available consumption figures.

The EU coordinated programme is the main part of the control programme. In 2014, samples included apples, head cabbage, leek, lettuce, tomatoes, peaches, rye / oats, strawberries, wine, cow milk, swine meat and baby food (Regulation EC 788/2012).

For the national programme, samples collected included fruits (melons, apricots), citrus fruits, exotic fruits, vegetables (celery, Chinese cabbage, scarole, witloof, cultivated fungi) as well as fresh herbs (parsley, thyme, celery leaves, basil).

For both parts of the programme, the national production was taken into account, as well as food originating from other EEA countries and from third countries. Furthermore, where available, samples were taken from products originating from organic farming that reflect the market share of organic products. Sampling was done mainly at wholesalers but also on retail level and during import. The choice of the matrices is based largely on fresh products to conduct the controls at the origin of the food chain and avoid the need of having to use a processing factor.

As far as the use pattern of pesticides and the toxicity of the active substances are concerned, Luxembourg focuses mainly on the laboratory responsible for controlling the samples for the choice of pesticides to be screened for as regards to a specific matrix (in function of their toxicity).

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**Food of animal origin:**

The annual control programme for food of animal origin is drafted by the administration of the Veterinary services (ASV) in compliance with directive (EC) N° 96/23 and decision (EC) N°97/747. The number of samples per matrix to be analysed is defined by these regulations.

All results were transmitted to DG SANCO unit 5 through a special database application available online “Residues – Monitoring plan and result”.

**Part 3: History**

All results for control campaigns of pesticides residues can be checked on the following website:

[http://www.securite-alimentaire.public.lu/organisme/pcnp/sc/cs9\\_prod\\_phyto/index.html](http://www.securite-alimentaire.public.lu/organisme/pcnp/sc/cs9_prod_phyto/index.html)

**Part 4: Multiannual national control programme for pesticides residues 2011-2013**

The updated multiannual national control programme for pesticides residues for Luxembourg can be viewed on the following website:

[http://www.securite-alimentaire.public.lu/organisme/pcnp/sc/cs9\\_prod\\_phyto/ppp\\_residus\\_pesticides/index.html](http://www.securite-alimentaire.public.lu/organisme/pcnp/sc/cs9_prod_phyto/ppp_residus_pesticides/index.html)

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**Details**

	2014		2015		2016	2017
	Commodity (Number of samples)	Code for pesticides	Commodity	Code for pesticides	Commodity	Commodity
Coordinated Community Program (Fytolab)	Beans with pod (15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Aubergines	LMS+GMS+LMS5+LMS2 +CL1B+CS2+OSN+QU1	Apples	Beans with pod
	carrots(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2+QU1	Bananas	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Head cabbage	Carrots
	cucumbers(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Broccoli	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Leek	Cucumbers
	oranges or mandarins(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2+Ethephon+ OSN	Table grapes	LMS+GMS+LMS5+LMS2 +CL1B+CS2+OSN+ Ethephon+QU1	Lettuce	Oranges
	pears(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2+AMI+OSN+ QU1	Orange juice	LMS+GMS+LMS5+LMS2 +CL1B+CS2+ Ethephon	Tomatoes	Mandarins
	potatoes(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Peas without pod	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Peaches	Pears
	spinach(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Peppers(sweet)	LMS+GMS+LMS5+LMS2 +CL1B+CS2+ Ethephon+ BR+OSN	Rye or oats	Potatoes
	rice(15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2 + bromide ion + QU1 + ethephon	Virgin olive oil	LMS+GMS+LMS5+LMS2 +CL1B+CS2	Strawberries	Rice
	Wheat Flour (15)	LMS+GMS+LMS5+LMS2 +CL1B+CS2+Ethephon	Wheat	LMS+GMS+LMS5+LMS2 +CL1B+CS2+Ethephon+ GLY1+Qu1	Wine	Spinach
	Baby food (10)	LMS+GMS+LMS5+LMS2 +CL1B	Baby Food	LMS+GMS+LMS5+LMS2 +CL1B+CS2+GLY1+OSN +QU1	Baby Food	Baby Food
	Poultry meat		Butter		Cows milk	Poultry (muscle and fat)
	Liver		Chicken eggs		Swine (muscle and fat)	Liver

	2014		2015		2016	2017
	Commodity (Number of samples)	Code for pesticides	Commodity	Code for pesticides	Commodity	Commodity
National Program (Fytolab/LNS)	Wine grapes (10)	LMS+GMS+LMS5+LMS2 +CS2+Ethephon	Wine grapes	LMS+GMS+LMS5+LMS2 +CL1B+CS2+Ethephon+ QU1	Wine	Wine grapes
	Vegetables from LU (18)	LMS+GMS	Vegetables from LU	LMS+GMS	Vegetables from LU	Vegetables from LU
	Fruits from LU (4)	LMS+GMS	Potatoes	LMS+GMS+QU1+Ethephon	Fruits from LU	Fruits from LU
	Herbal tea (15)	LMS+GMS	Fruits from LU	LMS+GMS	Celery / Turnip	Apricots
	Oil from LU (15)	GMSS	Cereal flour	LMS+GMS+LMS5+LMS2 +CL1B+CS2+GLY1+QU1	Currants (dried berries)	Plums
					Mixed berries	
					Exotic fruits	Dried seeds
Import						Tea
	Fruits	LMS+GMS	Fruits	LMS+GMS	Fruits	Fruits
	Vegetables	LMS+GMS	Vegetables	LMS+GMS	Vegetables	Vegetables
	Herbal tea	LMS+GMS	Herbal tea	LMS+GMS	herbal tea	Herbal tea

**GMS:** Gas chromatography with tandem mass spectrometry detector, code EFSA, F049A

**GMS4:** Gas chromatography with tandem mass spectrometry detector Code EFSA, F049A

**LMS:** Liquid Chromatography Tandem Mass Spectrometry, code EFSA, F027A

**LMS2:** Liquid Chromatography Tandem Mass Spectrometry, code EFSA, F027A

**LMS5:** Liquid Chromatography Tandem Mass Spectrometry, code EFSA, F027A

**LNS:** GC-MS and/or LC-MS/MS following acetonitril extraction/partitioning and clean-up by dispersive SPE - QuEChERS-method. EN 15662

#### Part 5 Quality system

Country code	Laboratory Name	Laboratory Code	Accreditation Date	Accreditation Body	Participation in proficiency tests or interlaboratory tests
BE	Centre d'économie rurale - BE	CER	073-TEST 13/06/2012	BELAC - Belgium	PT A07 (EU-RL pesticides); PT Fapas 0581
BE	Fytolab - BE	FYTOLAB	057-TEST 09.06.2009 (V4) 26.4.2011 (v7) 21.06.2011 (v8)	BELAC - Belgium	EUPT FV-15 ; EUPT-SRM8
LU	Laboratoire National de Santé, Laboratoire de contrôle alimentaire- LU	LNS-ALI	1/002 27.05.2008	OLAS – Luxembourg	EUPT CF7 ; EUPT-FV15 et EUPT-SRM8

#### Part 6: Actions in response to non-compliant results

In case of a non-compliant sample, an assessment of the risk to the consumer is performed and the appropriate measures are taken, such as product recall and RASFF notification, to enable the authority to perform its tasks of monitoring the health and nutritional risks of foods as effectively as possible. The ASTA (Technical services of agricultural sector responsible for primary production) is informed of all non-compliant results on national production.

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**Part 7: Scope of Analytical methods**

**7.1. Methods for a limited set of pesticide residues**

Colour code indicates status of accreditation. Detection limit in mg/kg.

accredited	non-accredited
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Method	pesticides detected	Detection limit (mg/kg)	Code
Amitraze	Amitraze	0,01	RF-0024-002-PPP
	Amitraz (amitraz including the metabolites containing the 2,4 - dimethylaniline moiety expressed as amitraz)	0,01	RF-0024-001-PPP
	Dimethylphenylformamide, 2,4-	0,01	RF-0024-003-PPP
	Dimethylphenyl-N-methylformamidine, N-2,4-	0,01	RF-0024-004-PPP
BR	Bromide ion	5	RF-0050-001-PPP
CL1B	Captan	0,01	RF-0061-001-PPP
	Folpet	0,02	RF-0221-001-PPP
CS2	Dithiocarbamates	0,05	RF-0151-001-PPP
DTC	Dithiocarbamates	0,01	RF-0151-001-PPP
Ethepron	Ethepron	0,01	RF-0160-001-PPP
Gly1	AMPA	0,05	RF-0471-001-PPP
	Glufosinate-ammonium (sum of glufosinate, its salts, MPP and NAG expressed as glufosinate equivalents)	0,05	RF-0232-001-PPP
	Glyphosate	0,05	RF-1020-001-PPP
Nicotine	Nicotine	0,01	RF-0809-001-PPP
OSN	Azocyclotin and cyhexatin	0,01	RF-0034-001-PPP
	Fenbutatin oxide	0,01	RF-0177-001-PPP
	Fentin	0,003	RF-0687-001-PPP
	Tributyltinoxide	0,01	RF-0954-001-PPP
QAC	BAC 10	0,01	RF-1078-003-PPP
	BAC 12	0,01	RF-1078-004-PPP
	BAC 14	0,01	RF-1078-005-PPP
	BAC 16	0,01	RF-1078-006-PPP
	DDAC	0,01	RF-1078-002-PPP
QU1	Chlormequat	0,01	RF-0081-001-PPP
	Mepiquat	0,01	RF-0275-001-PPP

## 7.2. GMS, GMS4, GMS5, LMS, LMS2, LMS3, LMS5, LNS

Colour code indicates status of accreditation. Detection limit in mg/kg.

accredited	non-accredited
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Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
1,2-Dibromo-3-chloropropane	0,1	0,1							RF-1052-001-PPP
1-naphthylacetamide				0,01					RF-0006-001-PPP
2,4-DB					0,01				RF-0008-001-PPP
2,4,5-T					0,01				RF-0009-001-PPP
2,4-D					0,01			0,1	RF-0010-003-PPP
4-CPA					0,01				RF-0460-001-PPP
6-Benzyladenin				0,01					RF-1062-001-PPP
Abamectin (sum of Avermectin B1a, AvermectinB1b and delta-8,9 isomer of Avermectin B1a)							0,01		RF-0011-001-PPP
Acephate				0,01				0,05	RF-0012-001-PPP
Acequinocyl									RF-0013-001-PPP
Acetamiprid				0,01			0,01	0,01	RF-0014-001-PPP
Acetochlor	0,01	0,01							RF-0015-001-PPP
Acibenzolar acid (CGA 210007)				0,05					RF-0016-003-PPP
Acibenzolar-S-methyl (sum of acybenzolar-S-methyl and acibenzolar acid (CGA 210007) expressed as acybenzolar-S-methyl)					0,01				RF-0016-001-PPP
Aclonifen	0,01	0,01	0,1						RF-0017-001-PPP
Acrinathrin	0,01	0,01	0,01					0,05	RF-0018-001-PPP
Acybenzolar-S-methyl				0,01					RF-0016-002-PPP
Alachlor	0,01	0,01	0,01						RF-0019-001-PPP
Alanycarb									RF-0462-001-PPP
Aldicarb				0,01				0,01	RF-0020-002-PPP
Aldicarb (sum of Aldicarb, its sulfoxide and its sulfone, expressed as Aldicarb)				0,01					RF-0020-001-PPP
Aldicarb-Sulfone				0,01				0,05	RF-0020-004-PPP
Aldicarb-Sulfoxide				0,01				0,05	RF-0020-003-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Aldrin	0,01								RF-0021-002-PPP
Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin)	0,01	0,01	0,01						RF-0021-001-PPP
Allethrin				0,01					RF-0464-001-PPP
Ametoctradin							0,01		RF-1055-001-PPP
Ametryn				0,01					RF-0467-001-PPP
Amidosulfuron				0,01					RF-0022-001-PPP
Amisulbrom				0,01					RF-0470-001-PPP
Anthraquinone	0,01								RF-0475-001-PPP
Atrazine				0,01				0,01	RF-0029-001-PPP
Azaconazole				0,01					RF-0482-001-PPP
Azadirachtin				0,01					RF-0030-001-PPP
Azamethiphos				0,01					RF-0484-001-PPP
Azimsulfuron				0,01					RF-0031-001-PPP
Azinphos-ethyl				0,01					RF-0032-001-PPP
Azinphos-methyl				0,01				0,05	RF-0033-001-PPP
Azoxystrobin				0,01			0,01	0,05	RF-0035-001-PPP
Beflubutamid				0,01					RF-0037-001-PPP
Benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers)	0,01	0,01	0,01						RF-0038-001-PPP
Bendiocarb				0,01					RF-0489-001-PPP
Benfluralin	0,01	0,01	0,01						RF-0039-001-PPP
Bensulfuron-Methyl				0,01					RF-0494-001-PPP
Bentazone					0,01				RF-0042-002-PPP
Benthiavalicarb (Benthiavalicarb-isopropyl (KIF-230 R-L) and its enantiomer (KIF-230 S-D) and diastereomers (KIF-230 R-L and KIF-230 S-D))				0,01					RF-0043-001-PPP
Benzoylprop-Ethyl	0,01	0,01							RF-0502-001-PPP
Bifenazate	0,01	0,05	0,1						RF-0044-001-PPP
Bifenoxy	0,01	0,01	0,01						RF-0045-001-PPP
Bifenthrin	0,01	0,01	0,01					0,05	RF-0046-001-PPP
Biphenyl	0,1	0,1	0,1						RF-0506-001-PPP
Bispyribac				0,01					RF-0507-001-PPP







Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
DDE, p,p-	0,01							0,01	RF-0119-002-PPP
DDT (sum of p,p'-DDT, o,p'-DDT, p-p'-DDE and p,p'-TDE (DDD) expressed as DDT)	0,01	0,01	0,01						RF-0119-001-PPP
DDT, o,p-	0,01								RF-0119-003-PPP
DDT, p,p-	0,01								RF-0119-006-PPP
Deltamethrin (cis-deltamethrin)	0,01	0,01	0,01					0,1	RF-0120-001-PPP
Demeton-S-Methyl				0,01					RF-0594-002-PPP
Demeton-S-Methylsulfone				0,01				0,02	RF-0323-003-PPP
Desmethyl Pirimicarb				0,01					RF-0347-003-PPP
Desmetryn	0,01	0,01							RF-0595-001-PPP
Diafenthiuron						0,01			RF-0596-001-PPP
Diazinon	0,01	0,01						0,05	RF-0123-001-PPP
Dicamba				0,01					RF-0124-001-PPP
Dichlobenil	0,01	0,01							RF-0125-001-PPP
Dichlofenthion	0,01	0,01	0,01						RF-0599-001-PPP
Dichlofluanid	0,01		0,05					0,02	RF-0453-001-PPP
Dichlormid	0,01	0,01							RF-0601-001-PPP
Dichlorophen				0,01					RF-0607-001-PPP
Dichlorprop, incl. Dichlorprop-p				0,01				0,02	RF-0126-001-PPP
Dichlorvos	0,01	0,01	0,01					0,1	RF-0127-001-PPP
Diclobutrazol				0,01					RF-0610-001-PPP
Diclofop (sum Diclofop-methyl and Diclofop acid expressed as Diclofop-methyl)	0,01								RF-0128-001-PPP
Diclofop-Methyl	0,01	0,01							RF-0128-003-PPP
Dicloran	0,01	0,01	0,01					0,01	RF-0129-001-PPP
Dicofol (sum of p, p' and o,p' isomers)	0,01	0,01	0,01						RF-0130-001-PPP
Dicofol o, p'	0,01								RF-0130-003-PPP
Dicofol p, p'	0,01								RF-0130-002-PPP
Dicrotophos				0,01					RF-0612-001-PPP
Dieldrin	0,01								RF-0021-003-PPP
Diethofencarb				0,01					RF-0132-001-PPP
Diethyl-m-toluamid, N,N-	0,01								RF-0616-001-PPP
Difenoconazole				0,01			0,01	0,05	RF-0133-001-PPP



Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Endosulfan, beta-	0,01								RF-0155-003-PPP
Endosulfansulfate	0,01							0,05	RF-0155-002-PPP
Endrin	0,01	0,01	0,05						RF-0156-001-PPP
EPN	0,01	0,01	0,01						RF-0654-001-PPP
Epoxiconazole				0,01				0,01	RF-0157-001-PPP
EPTC (ethyl dipropylthiocarbamate)	0,01	0,01							RF-0158-001-PPP
Esfenvalerate	0,01								RF-0690-003-PPP
Ethalfluralin	0,01	0,01							RF-0159-001-PPP
Ethametsulfuron-Methyl				0,01					RF-0658-001-PPP
Ethiofencarb				0,01					RF-0660-001-PPP
Ethiofencarb (sum)				0,01					RF-0661-001-PPP
Ethiofencarb-Sulfon				0,01					RF-0662-001-PPP
Ethiofencarb-Sulfoxid				0,01					RF-0663-001-PPP
Ethion	0,01	0,01	0,01					0,05	RF-0161-001-PPP
Ethirimol				0,01					RF-0162-001-PPP
Ethofumesate (sum of ethofumesate and the metabolite 2,3-dihydro-3,3-dimethyl-2-oxo-benzofuran-5-yl methane sulphonate expressed as ethofumesate)	0,01	0,01	0,01						RF-0163-001-PPP
Ethofumesate	0,01								RF-0163-002-PPP
Ethofumesate-2-keto	0,01								RF-00000021-PAR
Ethoprophos	0,01	0,01	0,01					0,02	RF-0164-001-PPP
Ethoxysulfuron				0,01					RF-0166-001-PPP
Etofenprox	0,01	0,01	0,01						RF-0168-001-PPP
Etoxazole				0,01					RF-0169-001-PPP
Etridiazole	0,05	0,05							RF-0170-001-PPP
Etrimesfos	0,01	0,01	0,01						RF-0668-001-PPP
Famoxadone	0,01	0,01	0,01						RF-0171-001-PPP
Fenamidone				0,01			0,01		RF-0172-001-PPP
Fenamiphos				0,01				0,01	RF-0173-004-PPP
Fenamiphos (sum of fenamiphos and its sulphoxide and sulphone expressed as fenamiphos)				0,01					RF-0173-001-PPP
Fenamiphos-Sulfon				0,01				0,02	RF-0173-003-PPP
Fenamiphos-Sulfoxid				0,01				0,01	RF-0173-002-PPP



Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Fipronil-Sulfone	0,01								RF-0192-002-PPP
Flazasulfuron				0,01					RF-0193-001-PPP
Flonicamid (sum of flonicamid, TNFG and TNFA)				0,01			0,01		RF-0194-001-PPP
Florasulam				0,01					RF-0195-001-PPP
Forchlorfenuron				0,01					RF-0196-001-PPP
Fluazifop-P				0,01				0,05	RF-00000022-PAR
Fluazifop-Butyl				0,01					RF-0699-001-PPP
Fluazifop-P-butyl (fluazifop acid (free and conjugate))				0,01					RF-0197-001-PPP
Fluazinam				0,02					RF-0198-001-PPP
Flubendiamide				0,01					RF-0199-001-PPP
Flucythrinate (sum of isomers expressed as flucythrinate)	0,01	0,01	0,01						RF-0201-002-PPP
Fludioxonil	0,01	0,01	0,01					0,05	RF-0202-001-PPP
Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent)				0,01					RF-0203-001-PPP
Flufenoxuron				0,01				0,01	RF-0204-001-PPP
Flumetralin	0,01	0,01	0,01						RF-0706-001-PPP
Fluopicolide				0,01					RF-0208-001-PPP
Fluopyram				0,01					RF-1071-001-PPP
Fluoxastrobin				0,01					RF-0211-001-PPP
Flupyralsulfuron-methyl				0,01					RF-0212-001-PPP
Fluquinconazole				0,01				0,05	RF-0213-001-PPP
Flurochloridone				0,01					RF-0214-001-PPP
Fluroxypyrr				0,02					RF-0215-003-PPP
Flurtamone				0,01					RF-0217-001-PPP
Flusilazole				0,01				0,02	RF-0218-001-PPP
Flutolanil				0,01					RF-0219-001-PPP
Flutriafol				0,01				0,01	RF-0220-001-PPP
Fluvalinate-Tau	0,01	0,01	0,01						RF-00000124-VET
Fonofos				0,01					RF-0724-001-PPP
Foramsulfuron				0,01					RF-0222-001-PPP
Formetanate Sum of formetanate and its salts expressed as formetanate(hydrochloride)							0,01	0,01	RF-0223-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
<b>Formothion</b>	0,01	0,01	0,01						RF-0224-001-PPP
<b>Fosthiazate</b>				0,01				0,05	RF-0226-001-PPP
<b>Fuberidazole</b>				0,01					RF-0227-001-PPP
<b>Furalaxyd</b>				0,01					RF-0727-001-PPP
<b>Furathiocarb</b>				0,01					RF-0228-001-PPP
<b>Haloxyfop</b>								0,05	RF-0235-004-PPP
<b>Haloxyfop including haloxyfop-R (Haloxfop-R methyl ester, haloxyfop-R and conjugates of haloxyfop-R expressed as haloxyfop-R)</b>				0,01					RF-0235-001-PPP
<b>Haloxfop-Methyl</b>				0,01					RF-0235-002-PPP
<b>Haloxfop-R and conjugates of haloxfop-R expressed as haloxfop-R</b>				0,01					RF-0235-005-PPP
<b>Hexachlorocyclohexane (HCH), alpha-isomer</b>	0,01								RF-0238-001-PPP
<b>Hexachlorocyclohexane (HCH), beta-isomer</b>	0,01								RF-0239-002-PPP
<b>Hexachlorocyclohexane (HCH), sum of isomers, except the gamma isomer</b>	0,01	0,01	0,01						RF-0240-003-PPP
<b>HCH, delta-</b>	0,01								RF-0736-001-PPP
<b>HCH-epsilon</b>	0,01								RF-0240-004-PPP
<b>Heptachlor</b>	0,01								RF-0236-004-PPP
<b>Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)</b>	0,01	0,01							RF-0236-001-PPP
<b>Heptachlor epoxide</b>	0,01								RF-0236-005-PPP
<b>Heptenophos</b>	0,01	0,01	0,01						RF-0737-001-PPP
<b>Hexachlorobenzene</b>	0,01	0,003	0,01						RF-0237-001-PPP
<b>Hexaconazole</b>				0,01				0,05	RF-0241-001-PPP
<b>Hexaflumuron</b>					0,01				RF-0738-001-PPP
<b>Hexazinone</b>				0,01					RF-0739-001-PPP
<b>Hexythiazox</b>				0,01				0,01	RF-0242-001-PPP
<b>Imazalil</b>				0,01			0,01	0,01	RF-0246-001-PPP
<b>Imazamethabenz-Methyl</b>		0,01							RF-0742-001-PPP
<b>Imazamox</b>				0,01					RF-0247-001-PPP
<b>Imazapyr</b>				0,01					RF-0744-001-PPP
<b>Imazosulfuron</b>				0,01					RF-0249-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Imidacloprid				0,01			0,01	0,01	RF-0250-001-PPP
Indoxacarb as sum of the isomers S and R				0,01			0,01	0,05	RF-0251-001-PPP
Iodosulfuron-methyl (iodosulfuron-methyl including salts, expressed as iodosulfuron-methyl)				0,01					RF-0252-001-PPP
Ioxynil, including its esters expressed as ioxynil					0,01				RF-0253-001-PPP
Ipconazole	0,01	0,05							RF-0254-001-PPP
Iprobenfos				0,01					RF-0751-001-PPP
Iprodione	0,01	0,01	0,01					0,05	RF-0255-001-PPP
Iprovalicarb				0,01				0,05	RF-0256-001-PPP
Isocarbophos	0,01	0,01	0,05						RF-0754-001-PPP
Isofenphos	0,01	0,01	0,01						RF-0756-001-PPP
Isofenphos-methyl	0,01	0,01	0,01						RF-0758-001-PPP
Isonoruron				0,01					RF-1035-001-PPP
Isoprocarb	0,01	0,01							RF-0762-001-PPP
Isoprothiolane				0,01					RF-0764-001-PPP
Isoproturon				0,01					RF-0257-001-PPP
Isoxaben				0,01					RF-0258-001-PPP
Ixoaxadifen-ethyl	0,01	0,01							RF-0765-001-PPP
Isoxaflutole (sum of isoxaflutole, RPA 202248, expressed as isoxaflutole)							0,02		RF-0259-001-PPP
Ivermectin							0,01		RF-0767-001-PPP
Kresoxim-methyl				0,01				0,05	RF-0260-001-PPP
Lambda-Cyhalothrin	0,01	0,01	0,01					0,02	RF-0261-001-PPP
Lenacil				0,01					RF-0262-001-PPP
Lindane (Gamma-isomer of hexachlorocyclohexane (HCH))	0,01	0,01	0,01						RF-0263-001-PPP
Linuron				0,01			0,01		RF-0264-001-PPP
Lufenuron				0,02					RF-0265-001-PPP
Malaoxon	0,01							0,05	RF-0266-002-PPP
Malathion	0,01							0,1	RF-0266-003-PPP
Malathion (sum of malathion and malaoxon expressed as malathion)	0,01	0,01	0,01						RF-0266-001-PPP
Mandipropamid				0,01			0,01		RF-0268-001-PPP
MCPA					0,01			0,01	RF-0271-005-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE	
MCPB					0,01				RF-0271-002-PPP	
Mecarbam	0,01	0,01	0,01					0,05	RF-0272-001-PPP	
Mecoprop					0,01			0,01	RF-0273-003-PPP	
Mefenpyr-diethyl					0,01				RF-00000026-PAR	
Mepanipyrim (Mepanipyrim and its metabolite (2-anilino-4-(2-hydroxypropyl)-6-methylpyrimidine) expressed as mepanipyrim)					0,01			0,01	RF-0274-001-PPP	
Mepronil	0,01	0,01	0,01						RF-0780-001-PPP	
Mesosulfuron					0,01				RF-0278-002-PPP	
Mesosulfuron-methyl					0,01				RF-0278-003-PPP	
Mesosulfuron-methyl (expresssed as Mesosulfuron)					0,01				RF-0278-001-PPP	
Mesotrione (Sum of mesotrione and MNBA (4-methylsulfonyl-2-nitro benzoic acid), expressed as mesotrione)								0,01	RF-0279-001-PPP	
Metaflumizone (sum of E- and Z- isomers)					0,01				RF-0280-001-PPP	
Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))					0,01			0,01	0,05	RF-0281-001-PPP
Metamitron					0,01					RF-0284-001-PPP
Metazachlor					0,01					RF-0285-001-PPP
Metconazole					0,01				0,01	RF-0286-001-PPP
Methabenzthiazuron					0,01					RF-0287-001-PPP
Methacrifos	0,01	0,01	0,01							RF-0288-001-PPP
Methamidophos					0,01			0,01		RF-0289-001-PPP
Methidathion	0,01	0,01	0,01					0,05		RF-0290-001-PPP
Methiocarb					0,01				0,01	RF-0291-002-PPP
Methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb)					0,01			0,01		RF-0291-001-PPP
Methiocarb-Sulfon					0,01					RF-0291-004-PPP
Methiocarb-Sulfoxid					0,01			0,01		RF-0291-003-PPP
Methomyl					0,01				0,01	RF-0293-003-PPP
Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)					0,01			0,01	0,01	RF-0293-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Methoprene	0,01	0,01							RF-0294-001-PPP
Methoprotyne				0,01					RF-0786-001-PPP
Methoxychlor	0,01	0,01							RF-0295-001-PPP
Methoxyfenozide				0,01				0,01	RF-0296-001-PPP
Metobromuron				0,01			0,01		RF-0791-001-PPP
Metholachlor				0,01					RF-0292-002-PPP
Metosulam				0,01					RF-0298-001-PPP
Metoxuron				0,01					RF-0794-001-PPP
Metrafenone	0,01	0,01	0,01						RF-0299-001-PPP
Metribuzin	0,01	0,01	0,05						RF-0300-001-PPP
Metsulfuron-methyl				0,01					RF-0301-001-PPP
Mevinphos (sum of E- and Z-isomers)	0,01	0,01	0,01						RF-0302-001-PPP
Mirex	0,01	0,01	0,01						RF-0797-001-PPP
Molinate				0,01					RF-0304-001-PPP
Monocrotophos				0,01					RF-0305-001-PPP
Monolinuron				0,02					RF-0306-001-PPP
Monuron				0,01					RF-0307-001-PPP
Myclobutanil				0,01			0,01	0,05	RF-0308-001-PPP
Napropamide				0,01			0,01		RF-0309-001-PPP
Nicosulfuron				0,01				0,1	RF-0310-001-PPP
Nitenpyram				0,01					RF-0810-001-PPP
Nitralin	0,01	0,01							RF-0812-001-PPP
Nitrofen	0,01	0,003	0,01						RF-0311-001-PPP
Nitrothal-Isopropyl	0,01	0,01	0,01						RF-0815-001-PPP
Novaluron				0,01					RF-0313-001-PPP
Nuarimol				0,01					RF-0819-001-PPP
Ofurace				0,01					RF-0821-001-PPP
Omethoate				0,01				0,01	RF-0139-002-PPP
2-phenylphenol	0,05	0,005	0,05					0,05	RF-0823-001-PPP
Oxadiargyl	0,01	0,01	0,01						RF-0317-001-PPP
Oxadiazon	0,01	0,01	0,01						RF-0318-001-PPP
Oxadixyl				0,01			0,01	0,05	RF-0319-001-PPP



Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Phosphamidon				0,01					RF-0339-001-PPP
Phoxim				0,01				0,05	RF-0342-001-PPP
Picloram					0,05				RF-0343-001-PPP
Picolinafen				0,01					RF-0344-001-PPP
Picoxystrobin				0,01					RF-0345-001-PPP
Pinoxaden				0,01					RF-0346-001-PPP
Piperonyl Butoxide	0,01	0,01	0,01						RF-0848-001-PPP
Pirimicarb				0,01				0,05	RF-0347-002-PPP
Pirimicarb (sum of Pirimicarb and Desmethyl pirimicarb expressed as Pirimicarb)				0,01			0,01	0,05	RF-0347-001-PPP
Pirimiphos-Ethyl	0,01	0,01	0,01						RF-0851-001-PPP
Pirimiphos-methyl	0,01	0,01	0,01					0,05	RF-0348-001-PPP
Pretilachlor	0,01	0,01							RF-0854-001-PPP
Prochloraz (sum of prochloraz and its metabolites containing the 2,4,6-Trichlorophenol moiety expressed as prochloraz)				0,01					RF-0349-001-PPP
Procymidone	0,01	0,01	0,01					0,02	RF-0350-001-PPP
Profenofos				0,01				0,05	RF-0351-001-PPP
Profluralin	0,01	0,01	0,01						RF-0858-001-PPP
Promecarb				0,01					RF-0860-001-PPP
Prometryn	0,01	0,01	0,01						RF-0862-001-PPP
Propachlor: oxalinic derivate of propachlor, expressed as propachlor				0,01					RF-0353-001-PPP
Propamocarb (Sum of propamocarb and its salt expressed as propamocarb)				0,01			0,01	0,01	RF-0354-001-PPP
Propanil		0,05		0,01					RF-0355-001-PPP
Propaphos									RF-0863-001-PPP
Propaquizafop				0,01					RF-0356-001-PPP
Propargite	0,01	0,05	0,05					0,01	RF-0357-001-PPP
Propham				0,01					RF-0867-001-PPP
Propiconazole				0,01				0,05	RF-0358-001-PPP
Propoxur				0,01					RF-0361-001-PPP
Propyzamide				0,01			0,01	0,02	RF-0364-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Proquinazid				0,01					RF-0365-001-PPP
Prosulfocarb				0,01			0,01		RF-0366-001-PPP
Prosulfuron				0,01					RF-0367-001-PPP
Prothioconazole (prothioconazole-Desthio)				0,01					RF-0868-001-PPP
Prothifos	0,01	0,01	0,01						RF-0869-001-PPP
Pymetrozine				0,01			0,01		RF-0369-001-PPP
Pyraclofos				0,01					RF-0872-001-PPP
Pyraclostrobin				0,01			0,01		RF-0370-001-PPP
Pyraflufen-ethyl				0,01					RF-0371-001-PPP
Pyrazophos	0,01	0,01	0,01					0,05	RF-0373-001-PPP
Pyrethrins				0,01					RF-0374-001-PPP
Pyrethrin I				0,01					RF-0374-002-PPP
Pyrethrin II				0,01					RF-0374-003-PPP
Pyridaben	0,01	0,01	0,01					0,05	RF-0375-001-PPP
Pyridafol						0,01			RF-0875-001-PPP
Pyridaphenthion				0,01					RF-0877-001-PPP
Pyridate						0,01			RF-0376-002-PPP
Pyridate (sum of pyridate, its hydrolysis product CL 9673 (6-chloro-4-hydroxy-3-phenylpyridazin) and hydrolysable conjugates of CL 9673 expressed as pyridate)						0,01			RF-0376-001-PPP
Pyrifenoxy				0,01					RF-0878-001-PPP
Pyrimethanil				0,01				0,05	RF-0377-001-PPP
Pyriproxyfen	0,01	0,01	0,01					0,05	RF-0378-001-PPP
Pyroquilon	0,01	0,01							RF-0379-001-PPP
Quinalphos	0,01	0,01	0,01						RF-0380-001-PPP
Quinclorac				0,01					RF-0885-001-PPP
Quinoxifen				0,01				0,05	RF-0382-001-PPP
Quintozene	0,01							0,02	RF-0383-002-PPP
Quintozene (sum of quintozene and pentachloro-aniline expressed as quintozene)	0,01	0,01	0,01					0,05	RF-0383-001-PPP
Quizalofop				0,01					RF-0384-004-PPP
Quizalofop-Ethyl				0,01					RF-0887-001-PPP
Rimsulfuron				0,01					RF-0386-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Rotenone				0,01					RF-0387-001-PPP
S421			0,02						RF-0889-001-PPP
Sethoxydim				0,01					RF-0096-003-PPP
Siduron				0,01					RF-0894-001-PPP
Silthiofam	0,01	0,01	0,01						RF-0389-001-PPP
Simazine				0,01					RF-0390-001-PPP
Spinosad (sum of Spinosyn A and Spinosyn D, expressed as Spinosad)				0,01			0,01		RF-0393-001-PPP
Spinosyn A				0,01				0,01	RF-0393-002-PPP
Spinosyn D				0,01				0,01	RF-0393-003-PPP
Spirodiclofen	0,01	0,01	0,01						RF-0394-001-PPP
Spiromesifen	0,01	0,01	0,01						RF-0395-001-PPP
Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat				0,01			0,01		RF-0396-001-PPP
Spiroxamine				0,01				0,01	RF-0397-001-PPP
Sulcotriione							0,02		RF-0398-001-PPP
Sulfentrazone					0,01				RF-0901-001-PPP
Sulfosulfuron				0,01					RF-0399-001-PPP
Sulfotep	0,01	0,01	0,01						RF-0903-001-PPP
Sulprofos	0,01	0,01							RF-0905-001-PPP
TCMTB	0,02	0,02							RF-0906-001-PPP
Tebuconazole				0,01			0,01	0,05	RF-0403-001-PPP
Tebufenozide				0,01				0,01	RF-0404-001-PPP
Tebufenpyrad				0,01				0,05	RF-0405-001-PPP
Tecnazene	0,01	0,01	0,01					0,05	RF-0406-001-PPP
Teflubenzuron					0,01				RF-0407-001-PPP
Tefluthrin	0,01	0,01	0,01					0,05	RF-0408-001-PPP
Tepraloxydim				0,01					RF-0411-001-PPP
Terbacil	0,01	0,01							RF-0912-001-PPP
Terbufos				0,01					RF-0412-002-PPP
Terbufos Sulfone				0,01					RF-0412-003-PPP
Terbufos Sulfoxide				0,01					RF-0412-004-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Terbutylazine	0,01	0,01	0,01						RF-0413-001-PPP
Terbutryn	0,01	0,01							RF-0919-001-PPP
Tetrachlorvinphos	0,01	0,01	0,01						RF-0920-001-PPP
Tetraconazole				0,01				0,02	RF-0414-001-PPP
Tetradifon	0,01	0,01	0,01					0,02	RF-0415-001-PPP
Tetramethrin				0,01					RF-0922-001-PPP
Thiabendazole				0,01			0,01	0,1	RF-0416-001-PPP
Thiacloprid				0,01			0,01	0,01	RF-0417-001-PPP
Thiametoxam				0,01					RF-0418-001-PPP
Thiametoxam (sum of thiametoxam and clothianidin expressed as thiametoxam)				0,01			0,01	0,01	RF-0418-002-PPP
Thifensulfuron-methyl				0,01					RF-0419-001-PPP
Thiobencarb				0,01					RF-0420-001-PPP
Thiodicarb				0,01				0,01	RF-0293-002-PPP
Thiophanate-methyl				0,01			0,01	0,01	RF-0422-001-PPP
Thiram (expressed as thiram)								0,1	RF-0423-001-PPP
Tiocarbazil	0,01	0,05							RF-0942-001-PPP
Tolclofos-methyl	0,01	0,01	0,01					0,05	RF-0424-001-PPP
Tolfenpyrad	0,01	0,01							RF-0943-001-PPP
Tolylfluanid	0,02							0,05	RF-0425-002-PPP
Tolylfluanid (Sum of tolylfluanid and dimethylaminosulfotoluidide expressed as tolylfluanid)	0,02		0,05					0,01	RF-0425-001-PPP
Tolylfluanid analysed as dimethylaminosulfotoluidide and expressed as tolylfluanid									RF-1007-001-PPP
Transfluthrin	0,01	0,02							RF-0945-001-PPP
Triadimefon				0,01				0,05	RF-0428-003-PPP
Triadimefon and triadimenol (sum of triadimefon and triadimenol)				0,01					RF-0428-001-PPP
Triadimenol				0,01				0,02	RF-0428-002-PPP
Tri-allate	0,01	0,01							RF-0430-001-PPP
Triasulfuron				0,01					RF-0431-001-PPP
Triazophos				0,01				0,05	RF-0432-001-PPP
Tribenuron-methyl				0,01					RF-0434-001-PPP

Description	GMS	GMS4	GMS5	LMS	LMS2	LMS3	LMS5	LNS	CODE
Trichlorfon				0,01					RF-0435-001-PPP
Triclopyr					0,01				RF-0436-001-PPP
Tricyclazole				0,01					RF-0437-001-PPP
Tridemorph				0,01					RF-0438-001-PPP
Trifloxystrobin				0,01				0,02	RF-0439-001-PPP
Triflumizole Triflumizole and metabolite FM-6-1(N-(4-chloro-2-trifluoromethylphenyl)-n-propoxyacetamidine), expressed as Triflumizole				0,01					RF-0440-001-PPP
Triflumuron				0,01					RF-0441-001-PPP
Trifluralin	0,01	0,01	0,01					0,05	RF-0442-001-PPP
Triflusulfuron-Methyl				0,01					RF-0961-001-PPP
Triforine				0,01					RF-0444-001-PPP
Trinexapac-Ethyl				0,02					RF-0963-001-PPP
Triticonazole				0,01				0,05	RF-0447-001-PPP
Vamidothion				0,01					RF-0969-001-PPP
Vinclozolin								0,05	RF-0450-003-PPP
Vinclozolin (sum of Vinclozolin and all metabolites containing the 3,5-dichloraniline moiety, expressed as Vinclozolin)	0,01	0,01	0,01						RF-0450-001-PPP
Zoxamide				0,01					RF-0452-001-PPP