

2016

**PESTICIDES  
RESIDUES  
IN FOOD**



An Roinn  
**Talmhaíochta,  
Bia agus Mara**

Department of  
**Agriculture,  
Food and the Marine**

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**Department of Agriculture, Food and the Marine**

**Report of the National Pesticide Residues Control  
Programme**

**2016**



**TABLE OF CONTENTS**

<b>1. SUMMARY REPORT .....</b>	<b>1</b>
<b>2. BACKGROUND .....</b>	<b>3</b>
<b>3 PLANNING THE PROGRAMME .....</b>	<b>5</b>
3.1 Programme design .....	5
<b>4 SAMPLING .....</b>	<b>7</b>
4.1 Food of plant origin .....	7
4.2 Food of animal origin.....	8
4.3 Infant formula.....	8
<b>5 TESTING FOR PESTICIDE RESIDUES .....</b>	<b>9</b>
5.1 Analytical procedures.....	9
5.2 Quality assurance.....	13
<b>6 RESULTS .....</b>	<b>15</b>
6.1 Summary of the analytical results .....	15
6.2 Key findings of the fruit, vegetable and fungi sample results .....	20
6.3 Key findings of the cereal sample results .....	21
6.4 Key findings of the food of animal origin sample results.....	22
6.5 Key findings of baby food sample results .....	23
6.6 Key findings of targeted and follow up sample results .....	24
6.7 Key findings of import control sample results .....	25
<b>7 MRL BREACHES .....</b>	<b>26</b>
7.1 Types of breaches.....	26
7.2 Risk Assessments .....	29
<b>8 ENFORCEMENT ACTIONS.....</b>	<b>31</b>
8.1 Enforcement actions on domestic samples .....	31
8.2 Enforcement actions on imported samples.....	32
8.3 Concluding remarks .....	33
<b>9 ANNEXES.....</b>	<b>34</b>
9.1 ANNEX I Legislation .....	34
9.2 ANNEX II Scopes and Reporting Level (mg/kg) of the analytical methods used ..	37
9.3 ANNEX III Analytical results .....	48
9.4 ANNEX V Abbreviations .....	89
9.5 ANNEX VI Glossary of terms.....	90

## LIST OF TABLES

<b>Table 1:</b>	The 2016 monitoring plan.....	6
<b>Table 2:</b>	Number of samples achieved in the 2016 control programme.....	15
<b>Table 3:</b>	Summary results of fruit samples.....	17
<b>Table 4:</b>	Summary of fruit samples taken in the surveillance programme .....	18
<b>Table 5:</b>	Summary results of vegetable and fungi samples .....	19
<b>Table 6:</b>	Summary of vegetable and fungi samples taken in the surveillance programme .....	20
<b>Table 7:</b>	Summary results of cereal samples .....	21
<b>Table 8:</b>	Summary of cereal samples taken in the surveillance programme .....	21
<b>Table 9:</b>	Summary results of food of animal origin samples.....	22
<b>Table 10:</b>	Summary of food of animal origin samples taken in the surveillance programme...	22
<b>Table 11:</b>	Summary results of baby food samples.....	23
<b>Table 12:</b>	Summary of baby food samples taken in the surveillance programme.....	23
<b>Table 13:</b>	Summary results of targeted and follow up enforcement samples.....	24
<b>Table 14:</b>	Summary of targeted and follow up samples taken in the enforcement programme ..	24
<b>Table 15:</b>	Summary results of import control samples.....	25
<b>Table 16:</b>	Summary of import control samples taken in the enforcement programme .....	25
<b>Table 17:</b>	Summary of all food types with residues and MRL breaches in 2016 .....	26
<b>Table 18:</b>	Details of the MRL breaches in 2016 .....	28

## LIST OF FIGURES

<b>Figure 1:</b> Department of Agriculture officer tagging fruit samples for pesticide residue analysis.	4
<b>Figure 2:</b> Pesticide Control Laboratory with liquid chromatographic systems for sample analysis. ....	4
<b>Figure 3:</b> Fruit samples being selected for analysis within the Pesticide Control Laboratory. ....	7
<b>Figure 4:</b> Feeding time with baby infant formula. ....	8
<b>Figure 5:</b> View of the main laboratory complex at Backweston. ....	9
<b>Figure 6:</b> Lettuce sample prior to chopping and blending. ....	9
<b>Figure 7:</b> Chopped laboratory sample prior to storage or chemical extraction. ....	10
<b>Figure 8:</b> Frozen laboratory samples. ....	10
<b>Figure 9:</b> Sample material following the first chemical extraction, ready for clean-up steps. ....	11
<b>Figure 10:</b> Glass vials containing samples for automated injection onto analytical equipment. ..	11
<b>Figure 11:</b> Sample chromatograms being compared with pesticide standards. ....	12
<b>Figure 12:</b> Residue identification and quantitation. ....	12
<b>Figure 13:</b> State-of-the-art advanced facilities are available in the Pesticide Control Laboratory such as high resolution accurate mass spectroscopy. ....	13
<b>Figure 14:</b> Quality control protocols in pesticide residues. ....	14





## 1. SUMMARY REPORT

This report on the National Pesticide Residues Control Programme, carried out in 2016 by the Department of Agriculture, Food and the Marine (DAFM), provides details on pesticide residues detected in food commodities available on the Irish market. The Programme enforces EU legislation establishing the maximum permitted concentration of pesticide residues in food, or Maximum Residue Levels (MRLs), and aims to ensure that consumers are not exposed to unacceptable risks from pesticide residues.

The Programme for 2016 planned for the analysis of 1,393 consignments of fruit, vegetables, cereal, animal products and baby foods for up to 477 pesticide and 7 PCB marker compounds to check for compliance with EU and national legislation for plant protection and veterinary products. The programme consisted of 2 strategies: a *surveillance strategy* consisting of the random sampling of food commodities; and an *enforcement strategy* involving the sampling of food commodities from specific sources where non-compliance with pesticide legislation was suspected or had been detected previously.

The Programme was agreed with the Food Safety Authority of Ireland and sent to the EU Commission as required by European legislation. Sampling of domestic and imported foodstuffs was conducted at wholesalers, retailers, grain mills or at meat plants.

The 1,143 samples taken in 2016 fell short of the planned number, due to staffing constraints within the Pesticide Control Laboratory. New staff are being recruited to address this issue. The sampling requirements of the co-ordinated EU monitoring programme were fulfilled. The samples, comprising of 577 fruits and vegetables, 50 cereals, 402 foods of animal origin, 41 baby foods and 73 enforcement samples, were taken and analysed for pesticide and chemical residues at the Pesticide Control Laboratory in Backweston, County Kildare. The laboratory has continued to maintain and extend its accreditation status with the Irish National Accreditation Board.

Overall 97.9% of the 1,143 samples analysed were free of quantifiable residues or contained residues within the legally permitted levels. No residues were detected in 56.5% of the samples, another 41.4% of samples contained residues at levels which were in compliance with the EU legislation and 2.1% (24 samples) contained residues exceeding the MRLs.

A sixth of the fruit and vegetable samples analysed were of domestic origin and the rest were imported from the EU and elsewhere. 96.0% of the fruit and vegetables samples either contained no residues or contained residues within the legally permitted levels (26.3% contained no residues and 69.7% of samples contained residues at levels which were in compliance with the EU legislation). The remaining 4.0% contained residues exceeding the MRLs.

In the case of the cereal samples, 86% taken were of domestic origin. All cereal samples either contained no residues or contained residues within the legally permitted levels. No residues were detected in 46% of the samples and 54% of the cereal samples had residues in compliance with the EU legislation.

Most of the food of animal origin samples originated domestically (over 99%) and 99.8% of the samples either contained no residues or contained residues within the legally permitted levels. No residues were detected in 95.8% of the samples, 4.0% of the samples had residues in compliance with the EU legislation. The remaining 0.2% contained residues exceeding the MRLs.

No pesticide residues were detected in any of the baby food samples.

Thirty samples were taken under EU Regulations dealing with increased inspection of targeted food commodities from certain countries. All samples either contained no residues or contained residues within the legally permitted levels. No residues were detected in 26.7% of the samples and 73.3% of the samples had residues in compliance with the EU legislation.

In all cases where non-compliant residues are detected, consumer risk assessments, based on the residue level found and national food consumption data are carried out to estimate the risk to consumers and to guide the follow-up action to be taken. In 2016, no breach was found to have an unacceptable risk to consumers.

All breaches involving produce of domestic origin were investigated to establish the reasons for the breaches and for appropriate follow-up. In addition, all produce with MRL breaches, both domestic and imported, were listed for targeted sampling as part of the follow-up enforcement strategy. Forty three such targeted samples were identified and taken in 2016.

## 2. BACKGROUND

Pesticides comprise plant protection products and biocides. Plant protection products are required to protect crops and plant products from damage caused by insects, fungi, weeds and other pests. Production and distribution of sufficient volumes of food to meet consumer demands of quality at reasonable price is not possible without their use. Biocidal products are essential for disinfection of surfaces, implements and machinery used in the food industry and to inhibit the action of a range of harmful organisms.

The manner of use of many plant protection and biocidal products requires their release into the environment, resulting in potential exposure of workers, consumers and the general public to such products or to residual traces remaining in food. It is therefore necessary that such products be tightly regulated.

Pesticide residues are regulated in Ireland through the implementation of European legislation, Regulation (EC) No. 396/2005, which establishes EU Maximum Residues Levels (MRLs) for all pesticides in and on fruit and vegetables, cereals and in food of animal origin. MRLs are the maximum permissible level of pesticide residue allowed in or on a crop that has been treated in line with good agricultural practice (GAP). Regulation (EC) No. 37/2010 establishes other MRLs for certain pesticides used as veterinary products. Commission Directives 2006/125/EC and 2006/141/EC establish certain MRLs for food intended for babies and young infants.

Pesticides are further controlled through legislation implementing Regulation (EC) No. 1107/2009, which requires that all plant protection products, must be registered before being placed on the market. The Irish registration system specifies the timing, frequency, rates and the crops on which the pesticide may be used. Use of non-registered pesticides is an offence.

Where an MRL is exceeded, a dietary intake calculation is carried out to determine if the residue presents a risk to consumers, both adult and children. The results of the assessments are provided to the FSAI to coordinate a harmonised enforcement approach. Where warranted, for example when the pesticide intake exceeds specified toxicological endpoints; a Rapid Alert<sup>1</sup> is issued by the FSAI and officers of the Pesticide Control Division (PCD) of the Department of Agriculture, Food and the Marine (DAFM) take appropriate enforcement action. This may involve removal of the produce concerned from the market and its destruction at the owner's expense. The Minister may also prosecute offenders or apply administrative fines.

All European Union (EU) countries are required to have their own national monitoring plans and to publish their results. The *'Report of the National Pesticide Residues Control Programme 2016'* provides details of the results obtained during 2016 from a national programme monitoring for the

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<sup>1</sup> Regulation (EC) No. 178/2002 of the European Parliament and of the Council of 28<sup>th</sup> of January 2002.

presence of pesticide residues in and on food. The results were also sent to the European Food Safety Authority and will be used as part of an EU wide annual report.



**Figure 1:** Department of Agriculture officer tagging fruit samples for pesticide residue analysis.



**Figure 2:** Pesticide Control Laboratory with liquid chromatographic systems for sample analysis.

### 3 PLANNING THE PROGRAMME

The national pesticide residue control programme for pesticide residues is undertaken by the PCD (Pesticide Control Division) with laboratory support provided by the Pesticide Control Laboratory (PCL) of the Department of Agriculture, Food and Marine. The programme implements the requirements of Regulation (EC) No. 396/2005, and takes into account the requirements set out in the EU “*coordinated multi-annual Community control programme for 2016, 2017 and 2018 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*”, (Commission Implementing Regulation (EU) No. 2015/595)<sup>2</sup>. The requirement of the monitoring of food of animal origin for Directive 96/23/EC is also taken into consideration with respect to the determination of organochlorine and organophosphorus pesticides.

The annual control programme is carried out in accordance with contractual arrangements between the DAFM and the FSAI<sup>3</sup> and involves sampling of imported and domestic produce.

The programme ensures that consumers are not exposed to unacceptable pesticide residue levels in and on food, that plant protection products are correctly applied, and that the unauthorised use of such products in Ireland is controlled.

#### 3.1 Programme design

The programme is designed to monitor different food groups for which MRLs have been established: fruit and vegetables, cereals, food of animal origin and baby food. It involves sampling of produce at distribution outlets, collection, storage, processing or slaughter premises and the analysis of those samples for the presence of residues of up 477 pesticides and 7 PCB congeners.

The planned number of samples (1,393) for the 2016 control programme was agreed with the FSAI. The programme is the primary means of ensuring that plant protection products (pesticides) are used in accordance with *Good Agricultural Practice* and is essential if the misuse of registered products and the use of non-registered products are to be eliminated. Plant protection products, registered under Regulation (EC) No. 1107/2009, can be misused in various ways, e.g. use of excessive dose rates, failure to respect the minimum periods specified between last application and harvest (i.e. pre-harvest intervals) and use for purposes for which they are not authorised (i.e. non-registered uses). When plant protection products are used in accordance with *Good Agricultural Practice*, unacceptable levels of residues should not occur in treated produce.

The pesticide residue monitoring programme for Ireland (Table 1) takes account of the following:

- i. the co-ordinated EU monitoring programme
- ii. the dietary importance of the foodstuff from a consumer point of view

<sup>2</sup> Commission Implementing Regulation (EU) No 2015/595 OJ No L 99/7.

<sup>3</sup> Service Contract from 2016 between the Food Safety Authority of Ireland and the Department of Agriculture, Food and the Marine

- iii. the residue history of different sample types
- iv. monitoring results obtained by other Member States
- v. the manner in which the food is handled/processed prior to consumption
- vi. the monitoring programme for food business operators
- vii. the capacity of the laboratory to analyse samples.

**Table 1:** The 2016 monitoring plan

Food Class	Number	Food commodities
<b>Fruits</b>		
Citrus	105	Clementine, Grapefruit, Lemon, Lime, Mandarin, Minneola, Orange, Pomelo and Satsuma
Pome	95	Apple and Pear
Stone fruit	25	Cherry, Nectarine, Peach and Plum
Berries	60	Blackberry, Blueberry, Raspberry, Strawberry and Table grape
Miscellaneous	50	Avocado, Banana, Dragon Fruit, Fig, Kiwi, Mango, Papaya, Passion Fruit, Pineapple and Pomegranate
<b>Vegetables</b>		
Root & tuber	75	Carrot, Parsnip, Potato, Radish, Swede, Sweet Potato and Turnip
Fruiting	65	Aubergine, Courgette, Cucumber, Melon, Pepper, Tomato, Squash and Sweetcorn
Brassica	45	Broccoli, Brussels Sprouts, Cabbage, Cauliflower and Kale
Leafy	45	Chard, Herbs, Lettuce, Rocket, Spinach and Water Cress
Legume	30	Beans with pods, Beans without pods, Peas with pods and Peas without pods
Stem/ Bulb	35	Asparagus, Celery, Fennel, Leek, Onion, Spring Onion
Oilseeds	10	Olive Oil and Vegetable Oil
Fungi	15	Cultivated Mushroom
Pulses	5	Pulses
Tea	5	Tea
Processed	35	Orange Juice, Wine, Other Juices and Tinned Fruit and Vegetables
Cereals	100	Barley, Oats, Rice, Rye and Wheat
Food of animal origin	399	Eggs, Honey, Kidney Fats and Milk
Food for babies	54	Infant Formula, Food for Babies/Young Children, Processed Cereal Based
Enforcement	20	Targeted follow up to breaches and invalid uses in 2015
Import control	120	Targeted under Regulation (EC) No. 669/2009
<b>Total</b>	<b>1393</b>	

## 4 SAMPLING

### 4.1 Food of plant origin

Samples were taken using the sampling method outlined in a Commission Directive<sup>4</sup> on the sampling of products of plant origin for the official control of pesticide residues.

The sampling programme consists of 2 strategies, as follows:

- *Surveillance sampling* of fruit and vegetables processed and organically labelled products. The surveillance sampling strategy involves sampling, in an objective manner and independent of the origin, of the food commodities that are available on the Irish market
- *Enforcement sampling* from import controls and follow up to non-compliant samples, such as MRL breaches.

The enforcement sampling strategy involves sampling of food commodities from specific sources where non-compliance with pesticide legislation is suspected or has been detected previously. It includes Import Controls Regulation (EC) No. 669/2009 which lists commodities and countries of origin for additional targeted sampling.



**Figure 3:** Fruit samples being selected for analysis within the Pesticide Control Laboratory.

Authorised officers from the Pesticide Control Division (PCD) carry out the sampling of food of plant origin and cereals in accordance with the Commission Sampling Directive 2002/63/EC. This Directive for instance, describes that a minimum of 1 kg or 10 units of a food commodity be taken

<sup>4</sup> Commission Directive 2002/63(EC)

from a consignment which then constitutes a laboratory sample. The samples are sealed with unique sample identity numbers and brought to the laboratory for analysis.

#### 4.2 Food of animal origin

Random samples of bovine, porcine, ovine, poultry, equine, and venison kidney fat samples are taken at various meat processing plants around the country in accordance with the monitoring plan organised by the Veterinary Medicine Unit of DAFM. The fat samples are taken from individual animals at meat plants by officers of the Veterinary Inspectorate.

In the case of milk, representative samples of particular bulk consignments from milk dairies were taken by officers of the Dairy Inspectorate.

The planned number for food of animal origin was decided in conjunction with the Veterinary Medicine Unit of DAFM, as part of the National Residue Plan required under Directive 96/23/EC<sup>5</sup>. Other types of food of animal produce such as liver and poultry meat were sampled at retail outlets to meet the requirements of the EU multiannual control programme for 2015.

#### 4.3 Infant formula

The samples were taken by officers of the Dairy Science Laboratory of DAFM. The legislation and the MRLs governing these infant samples are set in Commission Directive 2006/141/EC<sup>6</sup> with MRLs different to those established for the foods of plant and animal origin.



**Figure 4:** Feeding time with baby infant formula.

<sup>5</sup> Council Directive 96/23/EC 29<sup>th</sup> April 1999 OJ No L125/10

<sup>6</sup> Commission Directive 2006/141/EC of 22 December 2006 on infant formulae and follow-on formulae, 30.12.2006 OJ No L 401



## 5 TESTING FOR PESTICIDE RESIDUES

### 5.1 Analytical procedures

All the samples are brought to the Pesticide Control Laboratory which is based at the DAFM Laboratory campus in Backweston, Co. Kildare.



**Figure 5:** View of the main laboratory complex at Backweston.

On receipt, the samples are logged into the laboratory system and prepared for residue analysis. The fruit and vegetable samples are blended or ground with dry ice (solid carbon dioxide), put into labelled sample bags and stored in a freezer at  $-18^{\circ}\text{C}$  prior to extraction and analysis.



**Figure 6:** Lettuce sample prior to chopping and blending.



**Figure 7:** Chopped oranges in dry ice prior to blending and packaging.



**Figure 8:** Frozen laboratory samples.

At the extraction stage, the ground up sample is taken out and a measured amount is extracted with organic solvents, cleaned up if required and injected into one of two chromatographic systems- GC/MS/MS (gas chromatography with tandem mass spectrometry) and/or LC/MS/MS (liquid chromatography with tandem mass spectrometry).



**Figure 9:** Sample material following the first chemical extraction, ready for clean-up steps.

These analytical techniques allow a large number of pesticide residues to be analysed at the same time. For these multi residue methods (MRM), mixes containing many pesticide standards are injected onto the chromatographic columns and the details of the individual standards eluting from the columns are recorded as unique mass spectral data.



**Figure 10:** Glass vials containing samples for automated injection onto analytical equipment.



**Figure 11:** Sample chromatograms being compared with pesticide standards.

When a residue in a laboratory sample is identified by matching the retention time and the mass spectrum pattern with a standard, the amount of the residue in the sample is then quantified by running it against a series of standard mixtures of known concentrations. A select number of samples are also analysed for other pesticides which cannot be analysed using the multi-residue methods outlined above. These single residue methods (SRM) which may employ different extraction methods are used to analyse such pesticides as amitraz, glyphosate, paraquat and dithiocarbamates.



**Figure 12:** Residue identification and quantitation.

References to the analytical methods used in the laboratory are provided in Annex II at the back of this report.



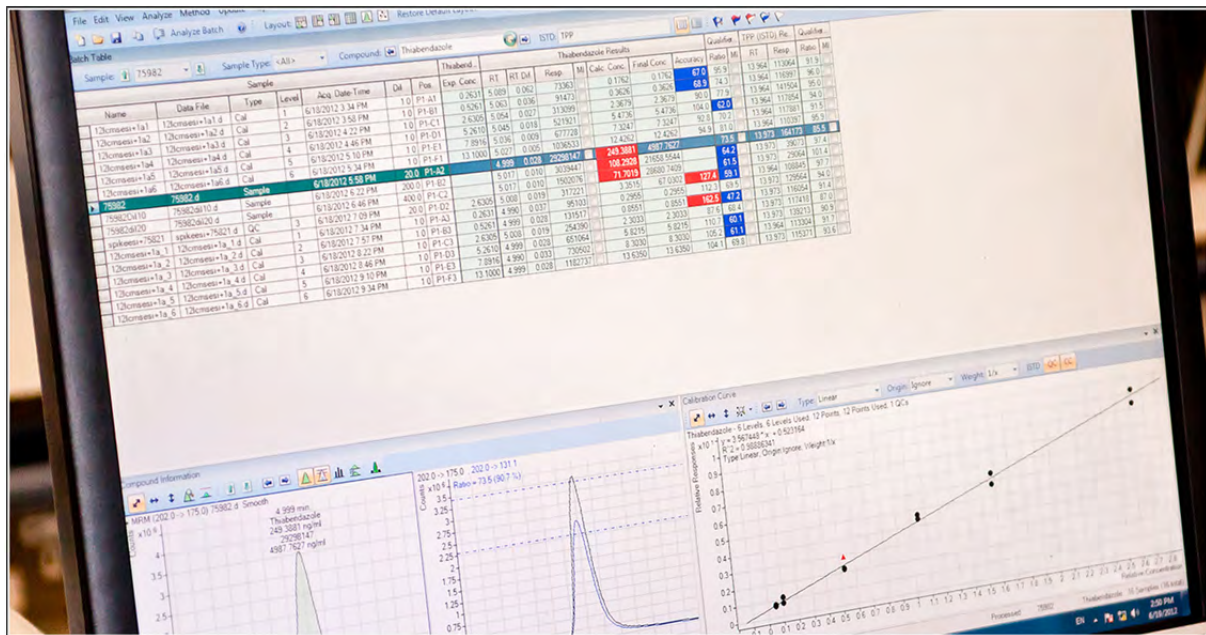
**Figure 13:** State-of-the-art advanced facilities are available in the Pesticide Control Laboratory such as high resolution accurate mass spectroscopy.

Some pesticides break down to give metabolites and in several cases these are summed to give a combined residue result and compared against the MRL using the residue definition established in legislation. An example is DDT which can consist of up to 6 breakdown products: o,p'-DDD, p,p'-DDD, o,p'-DDE, p,p'-DDE, o,p'-DDT and p,p'-DDT. The residue definition is the sum of these products expressed as DDT. The overall number of 484 pesticides analysed for in 2016 refer to these summed definitions and not to the individual parent and breakdown products listed in Annex III.

## 5.2 Quality assurance

It is obligatory that all Official Control laboratories in the EU involved in the testing for pesticide residues be accredited.

In 2016, the PCL was audited by the Irish National Accreditation Board and its accreditation status to the ISO 17025 standard was confirmed and extended. The pesticides in the scope of the accreditation may be viewed on the Irish National Accreditation Board website at [www.inab.ie](http://www.inab.ie). The PCL registration number is 121T.



**Figure 14:** Quality control protocols in pesticide residues.

The laboratory participated in all 5 of the EU Proficiency studies organised, on behalf of the EU Commission, by the European Union Community Reference Laboratories (EU-RL) in the pesticide area. Routine quality assurance procedures are followed within the laboratory in accordance with the requirements specified to maintain accreditation to the ISO 17025 standard.

All food of animal origin samples were also analysed for pesticides, metabolites and PCB marker congeners. PCBs are persistent environmental contaminants which in the past were released into the environment from industrial sources, but whose use has been discontinued for many years. They are included in the control programme as marker substances because of concerns related to their presence in food and their association with dioxins (chlorinated dibenzo-dioxins and furans).

## 6 RESULTS

### 6.1 Summary of the analytical results

A total of **1,143** samples were taken for analysis under two different types of sampling –

- **1,070** samples were selected under the surveillance strategy

- **73** samples were taken in a targeted manner under the enforcement strategy.

Table 2 provides a breakdown of the range of food categories and the number of samples taken. The number of samples for some categories fell short of the planned number, due to staffing constraints within the Pesticide Control Laboratory. New staff have been recruited to address this issue. The sampling requirements of the co-ordinated EU monitoring programme were fulfilled.

**Table 2:** Number of samples achieved in the 2016 control programme

Categories	Achieved	
	Raw	Processed
<b>Surveillance -</b>		
Citrus fruits	89	10
Pome fruits	87	0
Stone fruits	24	0
Berries/Small fruits	56	12
Miscellaneous fruits	44	0
Root/Tuber vegetables	55	0
Fruiting vegetables	66	0
Brassica vegetables	38	0
Leafy vegetables	32	0
Legume vegetables	27	0
Stem/Bulb vegetables	28	0
Fungi	9	0
Cereals	50	0
Animal origin	390	12
Baby foods	0	41
<b>Enforcement –</b>		
Regulation 396/2005	32	11
Regulation 669/2009	30	0
<b>Total – raw and processed</b>		<b>1143</b>

The following tables (3 to 19) provide summary details of all the samples taken in 2016 grouped by the food categories. These categories are based on the way the commodities are arranged and grouped in Annex I of the Residue Regulation (EC) No. 396/2005. The tables include information on the number of samples containing pesticides residues, country of origin and the most commonly detected pesticide in that food category.

Details of the levels of the pesticide residues detected for all samples above the Limit of Quantitation (LOQ) together with sample identification numbers, country of origin (where known), the relevant MRL for each substance detected and notes on the results are presented in Annex IV of this report. Results are expressed in mg/kg and are rounded to different significant figures depending on the concentration. These rounding rules do not reflect the precision of the methods but are used by regulatory laboratories in pesticide residues to harmonise the rounding and reporting of pesticide residue results in the EU.



**Table 3:** Summary results of fruit samples

Commodity	Residues detected			Origin of samples			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Clementine	0	20	4	0	3	21	0
Grapefruit	0	7	0	0	2	5	0
Lemon	1	6	0	0	4	3	0
Limes	0	5	0	0	0	5	0
Mandarin	0	9	0	0	4	5	0
Minneola	0	2	0	0	0	2	0
Orange	2	22	3	0	8	19	0
Orange Juice	7	3	0	0	0	1	9
Pomelo	0	1	0	0	0	1	0
Satsuma	0	6	1	0	0	7	0
Apple	4	46	6	2	28	26	0
Apples Cooking	0	1	0	1	0	0	0
Pear	4	26	0	0	24	6	0
Cherry	0	1	0	0	0	1	0
Nectarine	0	3	0	0	3	0	0
Peach	2	8	0	0	8	2	0
Plum	1	8	1	0	2	8	0
Blueberry	5	1	0	0	2	4	0
Gooseberry	0	1	0	1	0	0	0
Raspberry	4	0	0	0	2	2	0
Strawberry	2	18	0	8	12	0	0
Table Grape	2	22	1	0	6	19	0
Wine	8	4	0	0	6	6	0
Avocados	4	1	0	0	1	4	0
Banana	2	11	0	0	0	13	0
Dragon Fruit	0	1	1	0	0	2	0
Figs	1	0	0	0	0	1	0
Kiwi	6	3	0	0	7	2	0
Mangoes	1	4	0	0	0	5	0
Papaya	0	1	0	0	0	1	0
Passion Fruit	0	1	0	0	0	1	0
Pineapples	2	0	0	0	0	2	0
Pomegranate	1	4	0	0	1	4	0
<b>Total</b>	<b>59</b>	<b>246</b>	<b>17</b>	<b>12</b>	<b>123</b>	<b>178</b>	<b>9</b>

**Table 4:** Summary of fruit samples taken in the surveillance programme

<b>Fruit samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 322 fruit surveillance samples were analysed</li> <li>• 18.3% had no residues detected above the LOQ</li> <li>• 76.4% had residues detected above the LOQ and below the MRL</li> <li>• 5.3% had residues detected above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 3.7% of fruit samples were of Irish origin</li> <li>• 38.2% were from EU countries and 55.3% from outside the EU</li> <li>• The origin could not be confirmed for 2.8% due to the processed nature of the product sampled</li> </ul>
<b>Most frequently detected pesticides</b>	<ul style="list-style-type: none"> <li>• Detection rates in all fruit samples: imazalil 34%, thiabendazole 24%, pyrimethanil 24%, fludioxonil 20%, pyraclostrobin 16%</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 13 pesticides were found in a grapefruit sample from Turkey</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• 17 samples exceeded the MRL. Details are in chapter 7 of this report</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• 22 samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• 10 samples</li> </ul>

**Table 5:** Summary results of vegetable and fungi samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Carrots	1	11	0	2	9	1	0
Ginger	0	1	1	0	0	2	0
Parsnips	2	4	0	5	1	0	0
Potatoes	9	11	1	15	5	1	0
Radishes	0	1	0	0	0	1	0
Swedes	2	1	1	3	1	0	0
Sweet Potatoes	2	5	0	0	0	7	0
Turnips	2	0	0	2	0	0	0
Aubergines	3	8	0	0	11	0	0
Courgettes	0	4	0	0	4	0	0
Cucumbers	2	5	0	2	5	0	0
Melons	0	1	0	0	0	1	0
Pepper	7	12	0	2	17	0	0
Summer Squash	1	1	0	0	1	1	0
Sweet Corn	1	0	0	0	1	0	0
Tomato	3	15	0	6	10	2	0
Watermelons	0	2	0	0	0	2	0
Winter Squash	0	1	0	0	1	0	0
Broccoli	6	2	1	3	5	1	0
Brussels Sprouts	0	1	0	0	0	1	0
Cauliflower	7	0	0	2	5	0	0
Chinese Cabbage	1	0	0	0	1	0	0
Head Cabbage	7	5	0	5	7	0	0
Kale	4	4	0	4	4	0	0
Chard	0	2	0	1	1	0	0
Endive	0	1	0	0	1	0	0
Lettuce	5	14	0	8	11	0	0
Rocket	0	2	0	0	2	0	0
Spinach	2	2	0	0	4	0	0
Water Cress	1	0	0	0	1	0	0
Coriander	0	1	0	0	1	0	0
Mint	0	1	0	0	0	1	0
Parsley	0	1	0	0	1	0	0
Beans with Pods	2	4	2	0	0	8	0
Peas with Pods	5	4	0	0	0	9	0
Peas without Pods	6	3	0	0	0	0	9
Soya Beans	1	0	0	0	0	0	1
Asparagus	1	1	0	0	1	1	0
Celery	3	6	0	0	9	0	0
Fennel	2	1	0	0	3	0	0
Leek	3	10	0	8	5	0	0
Spring Onions	0	1	0	1	0	0	0
Cultivated mushroom	2	7	0	7	2	0	0
<b>Total</b>	<b>93</b>	<b>156</b>	<b>6</b>	<b>76</b>	<b>130</b>	<b>39</b>	<b>10</b>

**Table 6:** Summary of vegetable and fungi samples taken in the surveillance programme

<b>Vegetable and fungi samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 255 vegetable and fungi surveillance samples were analysed</li> <li>• 36.5% had no residues detected above the LOQ</li> <li>• 61.2% had residues detected above the LOQ and below the MRL</li> <li>• 2.4% had residues detected above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 29.8% of vegetable and fungi samples were of Irish origin</li> <li>• 51.0% were from EU countries and 15.3% from outside the EU</li> <li>• The origin could not be confirmed for 3.9% of the product sampled</li> </ul>
<b>Most frequently detected pesticides</b>	<ul style="list-style-type: none"> <li>• Detection rates in all vegetables and fungi: azoxystrobin 11%, boscalid 10%</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 9 pesticides were found in two tomato samples from Morocco</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• 6 samples exceeded the MRL. Details are in chapter 7 of this report</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• 0 samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• 15 samples</li> </ul>

## 6.2 Key findings of the fruit, vegetable and fungi sample results

In the 2016 programme a total of 577 fruit, vegetable and fungi samples were analysed using the surveillance or random sampling strategy. When compared to previous years, the number of samples with residues detected above the MRL (4.0%) is slightly increased from 2015 (3.2%) and 2014 (2.6%). The majority of the breaches occur in samples from third countries with different regulations controlling the use of pesticides and where application for higher import MRLs or import tolerances in the EU have yet to be applied for or not granted.

The number of fruit and vegetable samples with detectable residues above the LOQ has remained stable at 70% in 2016. The number of pesticides being detected has remained relatively constant even with new pesticides added to the analytical methods annually.

As in the previous 3 years, **imazalil** which is mainly used to prevent decay of citrus during storage and transportation was the most commonly detected pesticide in the fruit and vegetables samples during 2016 using the multi residue methods.

**Table 7:** Summary results of cereal samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Barley	10	10	0	20	0	0	0
Oats	2	1	0	3	0	0	0
Rye	0	3	0	0	3	0	0
Wheat	11	13	0	20	4	0	0
<b>Total</b>	<b>23</b>	<b>27</b>	<b>0</b>	<b>43</b>	<b>7</b>	<b>0</b>	<b>0</b>

**Table 8:** Summary of cereal samples taken in the surveillance programme

<b>Cereal samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 50 cereal samples were analysed</li> <li>• 46% had no residue detected above the LOQ</li> <li>• 54% had residues detected above the LOQ and below the MRL</li> <li>• 0.0% with residues above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 86.0% of cereal samples were of Irish origin</li> <li>• 14.0% were from other EU countries</li> </ul>
<b>Most frequently detected pesticide</b>	<ul style="list-style-type: none"> <li>• <b>Glyphosate</b> was detected in 33% of the cereal samples analysed using the selective method for that compound</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 3 pesticides were found in a barley sample from Ireland</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• No cereal samples with residues detected above the MRL</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• 1 sample</li> </ul>

### 6.3 Key findings of the cereal sample results

Pesticide residues were found in 54% of the cereal samples that were taken in the surveillance programme but there were no samples where the MRL was exceeded. This is a lower frequency than that found in 2015 (87.5%) and 2014 (70%). **Glyphosate** was detected in 33% of samples analysed using the selective method for that compound. 86% of the cereal samples taken were of domestic origin.

**Table 9:** Summary results of food of animal origin samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Bovine Kidney Fat	115	5	0	120	0	0	0
Cervine Kidney Fat	12	0	0	12	0	0	0
Equine Kidney Fat	8	0	0	8	0	0	0
Ovine Kidney Fat	77	9	0	86	0	0	0
Porcine Kidney Fat	60	0	0	60	0	0	0
Poultry Kidney Fat	23	2	0	25	0	0	0
Chicken Egg	11	0	0	11	0	0	0
Cows Milk	65	0	1	66	0	0	0
Goats Milk	2	0	0	2	0	0	0
Honey	12	0	0	10	0	0	2
<b>Total</b>	<b>385</b>	<b>16</b>	<b>1</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>2</b>

**Table 10:** Summary of food of animal origin samples taken in the surveillance programme

<b>Food of animal origin samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 402 food of animal origin samples were analysed</li> <li>• 95.8% had no residue detected above the LOQ</li> <li>• 4.0% had residues detected above the LOQ and below the MRL</li> <li>• 0.2% had residues detected above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 99.5% of the food of animal origin samples were of Irish origin</li> <li>• 0.5% were of unknown origin</li> </ul>
<b>Most frequently detected pesticide</b>	<ul style="list-style-type: none"> <li>• <b>Diazinon</b> was detected in 5 of the food of animal origin samples</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 3 pesticides were found in one milk sample</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• 1 sample exceeded the MRL. Details are in chapter 7 of this report</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>

#### 6.4 Key findings of the food of animal origin sample results

The percentage of food of animal origin samples with detectable residues remained relatively low over the past three years: - 5% in 2014, 6% in 2015 and 4% in 2016 - despite an increase in the analytical scope and the increased sensitivity of the methods used for these samples. One milk sample had MRL exceedances which a risk assessment concluded posed no risk to public health.

**Diazinon** was the most commonly detected pesticide and was found in 5 samples due, possibly, to products containing diazinon being used as veterinary products in the dipping of sheep. 99.5% of the food of animal origin samples taken were of domestic origin.

**Table 11:** Summary results of baby food samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Cereal baby food	10	0	0	0	0	0	10
Infant formula	31	0	0	31	0	0	0
<b>Total</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>10</b>

**Table 12:** Summary of baby food samples taken in the surveillance programme

<b>Baby food samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>41 baby food samples were analysed</li> <li>100% had no residue detected above the LOQ</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>75.6% of the baby food samples were of Irish origin</li> <li>The origin could not be confirmed for 24.4% due to the processed nature of the product sampled</li> </ul>
<b>Most frequently detected pesticide</b>	<ul style="list-style-type: none"> <li>No pesticides detected</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>No pesticides detected</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>No baby food sample with residues detected above the MRL</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>All 41 samples were processed</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>3 samples</li> </ul>

## 6.5 Key findings of baby food sample results

In line with previous years there continued to be no residues detected in the infant and follow-on formula samples analysed in 2016.

**Table 13:** Summary results of targeted and follow up enforcement samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Cultivated mushroom	0	4	0	4	0	0	0
Lettuce	0	2	0	2	0	0	0
Egg	5	0	0	5	0	0	0
Butter	2	0	0	2	0	0	0
Cheese	2	0	0	2	0	0	0
Cows Milk	21	0	0	21	0	0	0
Infant formula	7	0	0	7	0	0	0
<b>Total</b>	<b>37</b>	<b>6</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table 14:** Summary of targeted and follow up samples taken in the enforcement programme

<b>Enforcement samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 43 targeted and follow-up enforcement samples were analysed</li> <li>• 86.0% had no residue detected above the LOQ</li> <li>• 14.0% had residues detected above the LOQ and below the MRL</li> <li>• 0.0% had residues detected above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 100.0% of enforcement samples were of Irish origin</li> </ul>
<b>Most frequently detected pesticide</b>	<ul style="list-style-type: none"> <li>• Not relevant due to diverse range of commodities</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 3 pesticides were found in 2 cultivated mushroom samples and in 2 lettuce samples from Ireland</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• No sample with residues detected above the MRL</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• 11 samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>

## 6.6 Key findings of targeted and follow up sample results

Follow up samples of milk and associated products were taken and no residues were detected in any of these samples.



**Table 15:** Summary results of import control samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Peas with pods	1	6	0	0	0	7	0
Pepper	1	1	0	0	0	2	0
Strawberry	5	11	0	0	0	16	0
Tea	1	4	0	0	0	5	0
<b>Total</b>	<b>8</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>0</b>

**Table 16:** Summary of import control samples taken in the enforcement programme

<b>Enforcement samples with pesticide residues detected</b>	<ul style="list-style-type: none"> <li>• 30 import control samples were analysed</li> <li>• 26.7% had no residue detected above the LOQ</li> <li>• 73.3% had residues detected above the LOQ and below the MRL</li> <li>• 0.0% had residues detected above the MRL</li> </ul>
<b>Origin of samples</b>	<ul style="list-style-type: none"> <li>• 100.0% of import control samples were from outside the EU</li> </ul>
<b>Most frequently detected pesticide</b>	<ul style="list-style-type: none"> <li>• Not relevant due to diverse range of commodities</li> </ul>
<b>Maximum number of multiple residues</b>	<ul style="list-style-type: none"> <li>• 6 pesticides were found in 2 strawberry samples from Egypt</li> </ul>
<b>Pesticide residues above the MRL</b>	<ul style="list-style-type: none"> <li>• No sample with residues detected above the MRL</li> </ul>
<b>Processed</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>
<b>Labelled organic</b>	<ul style="list-style-type: none"> <li>• No samples</li> </ul>

## 6.7 Key findings of import control sample results

No MRL breaches were detected in the import control samples taken in 2016.

## 7 MRL BREACHES

### 7.1 Types of breaches

Twenty four (2.1%) of the 1,143 samples taken in 2016 were found to contain residues above the Maximum Residue Levels set in Regulation (EC) 396/2005. All but one of these breaches related to fruit and vegetables samples from the surveillance sampling strategy.

**Error! Reference source not found.** shows the breakdown of the residues found in all samples by food types, total sample number and % of samples without residues above the LOQ, residues below the MRL and the number exceeding the MRL from the two sampling programmes. As expected, the highest rate of MRL breaches occurred with the samples taken in a targeted manner on samples with known history of non-compliances.

**Table 17:** Summary of all food types with residues and MRL breaches in 2016

Sampling programmes	Food types	Numbers	< LOQ		<MRL		> MRL	
Surveillance	Fruit Veg	577	152	26.3%	402	69.7%	23	4.0%
Surveillance	Cereal	50	23	46.0%	27	54.0%	0	0%
Surveillance	Animal origin	402	385	95.8%	16	4.0%	1	0.2%
Surveillance	Baby food	41	41	100.0%	0	0.0%	0	0%
Enforcement	Fruit Veg	6	0	0.0%	6	0.0%	0	0.0%
Enforcement	Animal origin	37	37	100%	0	0.0%	0	0.0%
Import Controls	Fruit Veg	30	8	26.7%	22	73.3%	0	0.0%
<b>Total</b>		<b>1143</b>	<b>646</b>	<b>56.5%</b>	<b>473</b>	<b>41.4%</b>	<b>24</b>	<b>2.1%</b>

Table 18 lists all the breaches with details of the origin, commodity, and pesticide detected above the MRL and the residues found. The MRLs set at the LOQ leading to “technical” breaches are marked by an asterisk. When the parent compound and the breakdown product are detected in the same sample, the residues are summed and reported according to the legal residue definitions.

The majority of the MRL breaches were found to be technical where authorisation has not been granted in the EU or an import tolerance have yet to be granted for registered uses outside the EU.

**Table 19:** Details of the MRL breaches in 2016

	Source	Commodity	Sample no	Pesticide	Residue	MRL	
<b>Surveillance</b>							
Ireland	Ireland	Milk	802234	2,4-D	0.29	0.01	
				MCPA	0.39	0.05	
				Mecoprop	0.35	0.05	
EU	France	Potatoes	851984	Dithiocarbamates	0.35	0.3	
		Swedes	852115	Propamocarb	0.014	0.01	
		Apples	852350	Fenhexamid	0.015	0.01	
		Spain	Broccoli	851692	Fluazifop free acid	0.33	0.2
		Table Grape	852247	Dicofol	0.028	0.02	
Third Country	Brazil	Apples	852003	Fenitrothion	0.017	0.01	
		Apples	852103	Chlorpyrifos	0.039	0.01	
		Apples	852111	Fenitrothion	0.012	0.01	
	Chile	Apples	852120	Diphenylamine	0.77	0.1	
		Plum	851899	Acetamiprid	0.1	0.03	
	China	Ginger	852089	Imidacloprid	0.088	0.05	
	Egypt	Orange	851844	Dimethoate	0.024	0.02	
	Kenya	Beans with Pods	851941	BAC 12	0.17	0.1	
	Morocco	Clementine	851705	Ortho-phenylphenol	7.1	5	
		Clementine	851898	Imazalil	5.9	5	
	Peru	Satsuma	852027	Ortho-phenylphenol	5.2	5	
	South Africa	Apples	852248	Diphenylamine	0.12	0.1	
		Clementine	852129	Imazalil	5.5	5	
		Clementine	852136	Chlorfenapyr	0.011	0.01	
		Orange	852087	Chlorfenapyr	0.015	0.01	
Tanzania	Beans with Pods	852298	Fenprothrin	0.16	0.01		
Turkey	Orange	852049	Chlorfenapyr	0.019	0.01		
Vietnam	Dragon fruit	851785	Carbendazim	0.31	0.1		

## 7.2 Risk Assessments

### 7.2.1 Acute assessment

An acute risk assessment for Irish consumers, adult and children, was conducted for each MRL exceedance detected in 2016.

The risk assessment is based on the following factors:

- A large portion consumed over a 24 hour period. A very high percentile, 97.5%, is used from the food surveys.
- Body weight of the consumer.
- A variability factor to account for possible uneven distribution of the residues in a consignment or food lot. A factor of 5 is normally used. The mean residue detected in a laboratory sample is multiplied by this factor and is applied to an average weight of a food unit.
- ARfD - Acute reference dose mg /kg bw - toxicological endpoint over a 24 hour period.
- Residue found in the sample exceeding the MRL.
- Refinement such as peel/pulp factors. In the post-harvest application such as dipping citrus fruit in Imazalil, a refinement factor can be used since most of the pesticide resides on the peel and the laboratory result is based on the whole fruit.

The results of the assessments are provided to the FSAI to coordinate a harmonised enforcement approach.

It should be stressed that these assessments based on the combination of a large food portion, highest residue found and a highly uneven distribution of the residue is a very conservative assessment leading to an overestimation of the real exposure of the Irish consumers to pesticide intakes.

The acute or short term pesticide intake for all products which had breaches indicates that all breaches were below the 100% ARfD and therefore are deemed not to represent a short term intake safety concern.

### 7.2.2 Chronic Assessment

A chronic risk assessment for Irish consumers, adult and children, is conducted for each MRL exceedance. The calculation of the chronic exposure assessment is based on

- Mean portion of food consumed
- Body weight of the consumer
- ADI (acceptable daily intake)
- Residue found in the sample exceeding the MRL

It is assumed that the consumer is eating the same commodity with the residue leading to the MRL breach on a daily basis over a lifetime. This assessment is an overestimate of the real exposure to pesticides.

There was no chronic intake exceedance for any of the 24 MRL breaches encountered in 2016.

## 8 ENFORCEMENT ACTIONS

Enforcement action is taken when an unacceptable risk to consumers is identified, or where repeated occurrence of excessive residue levels in commodities from the same source occurs. As part of the enforcement programme, commodities of specific country of origin are targeted for further attention. Targeted sampling of produce in the monitoring plan that has previously been found to be in breach of established MRLs is the prime means of determining whether violations are isolated incidents or are a result of systematic pesticides abuse. The enforcement sampling programme is designed to eliminate such abuses and to ensure that they are not repeated.

### 8.1 Enforcement actions on domestic samples

The PCD Enforcement Officer investigates MRL breaches in samples of domestic origin. In 2016, two MRL breaches were detected in produce of domestic origin (potatoes and swedes).

With respect to each reported breach, the following summarises the findings of the follow-up investigation;

- dithiocarbamate detected in potatoes - it was concluded that a contributing factor to this breach determination was the use by the grower of significant amounts of sulphate of potash fertiliser applied to the crop in the spring.
- propamocarb detected in swedes – spray drift was deemed to be the most likely source of contamination, where a spray containing propamocarb was applied to broccoli and drifted onto the adjacent swede crop. However, the purchase of contaminated swedes from another grower could not be ruled out.
- 2,4-D, MCPA and mecoprop detected in milk – a comprehensive follow-up investigation was undertaken by the Department’s Dairy Inspectorate in conjunction with the FSAI. As part of this investigation, a range of milk samples from farms and factory milk silos were tested. Traceability exercises were performed and products made from the milk were withheld from the market pending the results of testing of official samples. No residues were detected in any of these samples. A risk assessment, which was performed in conjunction with the FSAI, concluded that there was no risk to public health.

As a result of MRL breaches and invalid uses detected in 2015, a number of follow up targeted samples were taken from domestic growers in 2016.

## 8.2 Enforcement actions on imported samples

With respect to MRL breaches detected in imported samples, it was not always possible to establish the reasons for breaches in the absence of details on the pesticides authorised for use in the countries of origin. Where an imported product contained a residue in excess of an MRL, the authorities in the country of origin and the Irish importer were informed of the MRL breach. They are also informed that further produce from the same source encountered on the Irish market would be further targeted for analysis and, if necessary, subjected to statutory actions.

Commission Regulation (EC) No. 669/2009 imposes additional controls on imports from third countries known or considered to be a risk from elevated levels of pesticide residues. Annex I to this legislation lists countries and commodities subject to this legislation, and also details sampling and analysis frequencies. Produce subject to these additional controls can only enter the country through Designated Points of Entry, which for Ireland (with respect to pesticide residues) are Dublin Port and Dublin Airport.

Based on the laboratory result (and risk assessment where appropriate), a consignment is either released (no issues arising), redespached or destroyed under supervision. The latter options come into play when a MRL is breached with a 50% measurement of uncertainty, and/or a risk assessment indicates that a health concern cannot be ruled out. In all instances a health concern takes precedence over uncertainty guidelines.

In 2016, 30 consignments were randomly selected and analysed for pesticide residues. No samples were found to breach relevant MRLs.



### **8.3 Concluding remarks**

The Pesticide Control Laboratory and Pesticide Controls Division of the DAFM, and the FSAI continue to have an on-going dialogue as part of the service contract between both organisations. The intention is to optimise the annual control programme for pesticide residues in food and assess the possible risk of such residues for consumers. The programme will continue to take account of the opinion of the European Commission with respect to the range of crops and pesticides to be included in the programme.

For the immediate future, DAFM will focus on further increasing the capacity of the laboratory to screen for an ever-increasing number of pesticides, using multi and single residue methods over a wider range of food commodities.

## 9 ANNEXES

### 9.1 ANNEX I Legislation

Regulation (EC) No. 396/2005 came into force on 01.09.2008, 6 months after publication of the last of the Regulations establishing Annexes I, II, III and IV. On the same date, Council Directives 76/895/EEC, 86/362/EEC and 86/363/EEC were repealed.

Regulation (EC) No. 396/2005	O.J. No. L70 of 16.03.2005
Regulation (EC) No. 299/2008	O.J. No. L97 of 09.04.2008

#### Amendments for Annex I of Regulation (EC) No. 396/2005 – Establishing the list of Commodities

Commission Regulation (EC) No. 178/2006	O.J. No. L29 of 02.02.2006
Commission Regulation (EC) No. 600/2010	O.J. No. L184 of 09.07.2010

#### Amendments for Annexes II, III and IV of Regulation (EC) No. 396/2005-Setting the MRLs

Commission Regulation (EC) No. 149/2008	O.J. No. L58 of 01.03.2008
Corrigendum to Commission Regulation (EC) No149/2008	O.J. No. L240 of 09.09.2008
Commission Regulation (EC) No. 839/2008	O.J. No. L234 of 30.08.2008
Commission Regulation (EC) No. 256/2009	O.J. No. L81 of 27.03.2009
Commission Regulation (EC) No. 822/2009	O.J. No. L329 of 10.09.2009
Commission Regulation (EC) No. 1050/2009	O.J. No. L290 of 06.11.2009
Commission Regulation (EC) No. 1097/2009	O.J. No. L301 of 17.11.2009
Commission Regulation (EU) No. 304/2010	O.J. No. L94 of 15.04.2010
Commission Regulation (EU) No. 459/2010	O.J. No. L129 of 28.05.2010
Commission Regulation (EU) No. 750/2010	O.J. No. L220 of 21.08.2010
Commission Regulation (EU) No. 765/2010	O.J. No. L226 of 28.08.2010
Commission Regulation (EU) No. 893/2010	O.J. No. L266 of 09.10.2010
Commission Regulation (EU) No. 310/2011	O.J. No. L86 of 01.04.2011
Commission Regulation (EU) No. 460/2011	O.J. No. L124 of 13.05.2011
Commission Regulation (EU) No. 508/2011	O.J. No. L137 of 25.05.2011
Commission Regulation (EU) No. 520/2011	O.J. No. L140 of 27.05.2011
Commission Regulation (EU) No. 524/2011	O.J. No. L142 of 28.05.2011
Commission Regulation (EU) No. 559/2011	O.J. No. L152 of 11.06.2011
Commission Regulation (EU) No. 812/2011	O.J. No. L208 of 13.08.2011
Commission Regulation (EU) No. 813/2011	O.J. No. L208 of 13.08.2011
Commission Regulation (EU) No. 978/2011	O.J. No. L258 of 04.10.2011
Commission Regulation (EU) No. 270/2012	O.J. No. L89 of 27.03.2012
Commission Regulation (EU) No. 322/2012	O.J. No. L105 of 17.04.2012
Commission Regulation (EU) No. 441/2012	O.J. No. L135 of 25.05.2012
Commission Regulation (EU) No. 473/2012	O.J. No. L144 of 05.06.2012
Commission Regulation (EU) No. 556/2012	O.J. No. L166 of 27.06.2012
Commission Regulation (EU) No. 592/2012	O.J. No. L176 of 06.07.2012
Commission Regulation (EU) No. 897/2012	O.J. No. L266 of 02.10.2012
Commission Regulation (EU) No. 899/2012	O.J. No. L273 of 06.10.2012
Commission Regulation (EU) No. 34/2013	O.J. No. L25 of 26.01.2013
Commission Regulation (EU) No. 35/2013	O.J. No. L25 of 26.01.2013
Commission Regulation (EU) No. 212/2013	O.J. No. L68 of 12.03.2013
Commission Regulation (EU) No. 274/2013	O.J. No. L75 of 19.03.2013
Commission Regulation (EU) No. 251/2013	O.J. No. L88 of 27.03.2013
Commission Regulation (EU) No. 293/2013	O.J. No. L96 of 05.04.2013
Commission Regulation (EU) No. 500/2013	O.J. No. L151 of 04.06.2013
Commission Regulation (EU) No. 668/2013	O.J. No. L192 of 13.07.2013
Commission Regulation (EU) No. 772/2013	O.J. No. L217 of 13.08.2013
Commission Regulation (EU) No. 777/2013	O.J. No. L221 of 17.08.2013
Commission Regulation (EU) No. 834/2013	O.J. No. L233 of 31.08.2013
Commission Regulation (EU) No. 1004/2013	O.J. No. L279 of 19.10.2013
Commission Regulation (EU) No. 1138/2013	O.J. No. L307 of 16.11.2013
Commission Regulation (EU) No 1317/2013	O.J. No. L339 of 17.12.2013
Commission Regulation (EU) No 36/2014	O.J. No. L17 of 21.01.2014
Commission Regulation (EU) No 51/2014	O.J. No. L16 of 21.01.2014
Commission Regulation (EU) No 61/2014	O.J. No. L22 of 25.01.2014
Commission Regulation (EU) No 79/2014	O.J. No. L27 of 30.01.2014
Commission Regulation (EU) No 87/2014	O.J. No. L35 of 05.02.2014
Commission Regulation (EU) No 289/2014	O.J. No. L87 of 22.03.2014
Commission Regulation (EU) No 318/2014	O.J. No. L93 of 28.03.2014
Commission Regulation (EU) No 364/2014	O.J. No. L112 of 15.04.2014

Commission Regulation (EU) No 398/2014	O.J. No. L119 of 23.04.2014
Commission Regulation (EU) No 491/2014	O.J. No. L146 of 16.05.2014
Commission Regulation (EU) No 588/2014	O.J. No. L164 of 03.06.2014
Commission Regulation (EU) No 617/2014	O.J. No. L171 of 11.06.2014
Commission Regulation (EU) No 703/2014	O.J. No. L186 of 26.06.2014
Commission Regulation (EU) No 737/2014	O.J. No. L202 of 10.07.2014
Commission Regulation (EU) No 752/2014	O.J. No. L208 of 15.07.2014
Commission Regulation (EU) No 991/2014	O.J. No. L279 of 23.09.2014
Commission Regulation (EU) No 1096/2014	O.J. No. L300 of 18.10.2014
Commission Regulation (EU) No 1119/2014	O.J. No. L304 of 23.10.2014
Commission Regulation (EU) No 1126/2014	O.J. No. L305 of 24.10.2014
Commission Regulation (EU) No 1127/2014	O.J. No. L305 of 24.10.2014
Commission Regulation (EU) No 1146/2014	O.J. No. L308 of 29.10.2014
Commission Regulation (EU) No 165/2015	O.J. No. L28 of 04.02.2015
Commission Regulation (EU) No 399/2015	O.J. No. L71 of 14.03.2015
Commission Regulation (EU) No 400/2015	O.J. No. L71 of 14.03.2015
Commission Regulation (EU) No 401/2015	O.J. No. L71 of 14.03.2015
Commission Regulation (EU) No 552/2015	O.J. No. L92 of 08.04.2015
Commission Regulation (EU) No 603/2015	O.J. No. L100 of 17.04.2015
Commission Regulation (EU) No 845/2015	O.J. No. L138 of 04.06.2015
Commission Regulation (EU) No 846/2015	O.J. No. L140 of 05.06.2015
Commission Regulation (EU) No 868/2015	O.J. No. L145 of 10.06.2015
Commission Regulation (EU) No 896/2015	O.J. No. L147 of 12.06.2015
Commission Regulation (EU) No 1040/2015	O.J. No. L167 of 01.07.2015
Commission Regulation (EU) No 1101/2015	O.J. No. L181 of 09.07.2015
Commission Regulation (EU) No 1200/2015	O.J. No. L195 of 23.07.2015
Commission Regulation (EU) No 1608/2015	O.J. No. L249 of 25.09.2015
Commission Regulation (EU) No 1910/2015	O.J. No. L280 of 24.10.2015
Commission Regulation (EU) No 2075/2015	O.J. No. L302 of 19.11.2015
Commission Regulation (EU) No 2016/1	O.J. No. L2 of 05.01.2016
Commission Regulation (EU) No 2016/46	O.J. No. L12 of 19.01.2016
Commission Regulation (EU) No 2016/53	O.J. No. L13 of 20.01.2016
Commission Regulation (EU) No 2016/60	O.J. No. L14 of 21.01.2016
Commission Regulation (EU) No 2016/67	O.J. No. L15 of 22.01.2016
Commission Regulation (EU) No 2016/75	O.J. No. L16 of 23.01.2016
Commission Regulation (EU) No 2016/71	O.J. No. L20 of 27.01.2016
Commission Regulation (EU) No 2016/143	O.J. No. L28 of 04.02.2016
Commission Regulation (EU) No 2016/156	O.J. No. L31 of 06.02.2016
Commission Regulation (EU) No 2016/439	O.J. No. L78 of 24.03.2016
Commission Regulation (EU) No 2016/440	O.J. No. L78 of 24.03.2016
Commission Regulation (EU) No 2016/452	O.J. No. L79 of 30.03.2016
Commission Regulation (EU) No 2016/486	O.J. No. L90 of 06.04.2016
Commission Regulation (EU) No 2016/567	O.J. No. L100 of 15.04.2016
Commission Regulation (EU) No 2016/805	O.J. No. L132 of 21.05.2016
Commission Regulation (EU) No 2016/1002	O.J. No. L167 of 24.06.2016
Commission Regulation (EU) No 2016/1003	O.J. No. L167 of 24.06.2016
Commission Regulation (EU) No 2016/1015	O.J. No. L172 of 29.06.2016
Commission Regulation (EU) No 2016/1016	O.J. No. L172 of 29.06.2016
Commission Regulation (EU) No 2016/1355	O.J. No. L215 of 10.08.2016
Commission Regulation (EU) No 2016/1726	O.J. No. L261 of 28.09.2016
Commission Regulation (EU) No 2016/1785	O.J. No. L273 of 08.10.2016
Commission Regulation (EU) No 2016/1822	O.J. No. L281 of 18.10.2016
Commission Regulation (EU) No 2016/1866	O.J. No. L286 of 21.10.2016
Commission Regulation (EU) No 2016/1902	O.J. No. L298 of 04.11.2016

**For Annex VII of Regulation (EC) No. 396/2005- For use as fumigants**

Commission Regulation (EC) No. 260/2008	O.J. No. L76 of 19.03.2008
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**Irish Legislation**

The regulation and its amendments were transposed and updated into Irish legislation with the following statutory instrument in 2015:

- S.I. No. 67 of 2016
- S.I. No. 456 of 2016
- S.I. No. 598 of 2016

**Legislation for Veterinary Medicinal Products in food of animal origin**

Directive 96/23/EC

Council Regulation (EC) No. 37/2010

Commission Implementing Regulation (EU) No. 1186/2012

O.J. No. L125 of 26.05.1996

O.J. No. L15/1 of 20.01.2010

O.J. No. L 338 of 12.12.2012

**Baby food legislation – setting MRLs in food specific for infants**

Commission Directive 2006/125/EC

Commission Directive 2006/141/EC

O.J. No. L339 of 06.12.2006

O.J. No. L401 of 30.12.2006

## 9.2 ANNEX II Scopes and Reporting Level (mg/kg) of the analytical methods used

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
1-Naphthylacetamide	0.01	0.01	0.01	0.01	0.01	0.01
2,4,5-T	0.01	0.01	0.01	0.01	0.01	0.01
2,4-D	0.02	0.02	0.02	0.02	0.02	0.02
2,4-DB	0.067	0.067	0.067	0.067	0.067	0.067
4,4-Dichlorobenzophenone	0.01	0.01	0.005	0.01	0.01	0.01
Abamectin	0.01	0.1	0.01	0.1	0.1	0.1
Acephate	0.01	0.01	0.01	0.01	0.01	0.01
Acephate	0.01	0.01	0.005	0.005	0.005	0.005
Acetamiprid	0.01	0.01	0.01	0.01	0.01	0.01
Acetochlor	0.02	0.02	0.02	0.02	0.02	0.02
Acibenzolar-S-methyl	0.05	0.05	0.05	0.05	0.05	0.05
Aclonifen	0.01	0.01	0.005	0.01	0.01	0.01
Acrinathrin	0.01	0.01	0.005	0.01	0.01	0.01
Alachlor	0.01	0.01	0.005	0.01	0.01	0.01
Aldicarb	0.02	0.02	0.02	0.02	0.02	0.02
Aldicarb-sulfone	0.01	0.01	0.01	0.01	0.01	0.01
Aldicarb-sulfoxide	0.02	0.02	0.02	0.02	0.02	0.02
Aldrin	0.01	0.01	0.005	0.01	0.01	0.01
Ametryn	0.01	0.01	0.01	0.01	0.01	0.01
Amidosulfuron	0.01	0.01	0.01	0.01	0.01	0.01
Aminocarb	0.01	0.01	0.01	0.01	0.01	0.01
Amitraz	0.01					
AMPA	0.08	0.08				
Anthraquinone	0.05	0.05		0.05	0.05	0.05
Asulam	0.01	0.01	0.01	0.01	0.01	0.01
Atrazine	0.01	0.01	0.01	0.01	0.01	0.01
Atrazine-desethyl	0.01	0.01	0.01	0.01	0.01	0.01
Atrazine-desisopropyl	0.01	0.01	0.01	0.01	0.01	0.01
Azaconazole	0.01	0.01	0.005	0.01	0.01	0.01
Azamethiophos	0.01	0.01	0.005	0.01	0.01	0.01
Azinphos-ethyl	0.01	0.01	0.005	0.005	0.01	0.01
Azinphos-methyl	0.01	0.01	0.01	0.005	0.005	0.005
Azoxystrobin	0.01	0.01	0.01	0.01	0.01	0.01
Azoxystrobin	0.01	0.01	0.01	0.01	0.01	0.01
BAC10	0.01	0.01	0.01	0.01	0.01	0.01
BAC12	0.01	0.01	0.01	0.01	0.01	0.01
BAC14	0.01	0.01	0.01	0.01	0.01	0.01
BAC16	0.01	0.01	0.01	0.01	0.01	0.01
Benalaxyl	0.01	0.01	0.01	0.01	0.01	0.01
Bendiocarb	0.01	0.01	0.01	0.01	0.01	0.01
Bentazone	0.01	0.01		0.01	0.01	0.01
Benthiavdicarb-isopropyl	0.01	0.01	0.01	0.01	0.01	0.01
Benzoximate	0.01	0.01	0.01	0.01	0.01	0.01
Bifenthrin	0.01	0.01	0.005	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Binapacryl	0.01	0.01		0.01	0.01	0.01
Bioresmethrin	0.01	0.01	0.01	0.01	0.01	0.01
Biphenyl	0.05	0.05	0.025	0.05	0.05	0.01
Bitertanol	0.01	0.01	0.005	0.01	0.01	0.01
Bixafen	0.01	0.01	0.01	0.01	0.01	0.01
Boscalid	0.01	0.01	0.005	0.01	0.01	0.01
Boscalid	0.01	0.01	0.005	0.01	0.01	0.01
Bromacil	0.01	0.01	0.01	0.01	0.01	0.01
Bromophos-ethyl	0.01	0.01	0.005	0.005	0.01	0.01
Bromophos-methyl	0.01	0.01	0.005	0.005	0.01	0.01
Bromopropylate	0.01	0.01	0.005	0.01	0.01	0.01
Bromoxynil	0.01	0.01		0.01	0.01	0.01
Bromuconazole	0.01	0.01	0.01	0.01	0.01	0.01
Bupirimate	0.01	0.01	0.01	0.01	0.01	0.01
Buprofezin	0.01	0.01	0.01	0.01	0.01	0.01
Butocarboxim Sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Butoxycarboxim	0.02	0.02	0.02	0.02	0.02	0.02
Cadusafos	0.01	0.01	0.01	0.01	0.01	0.01
Captan	0.01	0.01		0.01	0.01	0.01
Captofol	0.01	0.01	0.005	0.01	0.01	0.01
Carbaryl	0.01	0.01	0.01	0.01	0.01	0.01
Carbendazim	0.01	0.02	0.02	0.02	0.02	0.02
Carbofuran	0.01	0.01	0.01	0.01	0.01	0.01
Carbofuran 3 Hydroxy	0.01	0.01	0.01	0.01	0.01	0.01
Carbosulfan	0.01	0.01	0.01	0.01	0.01	0.01
Carboxin	0.01	0.01	0.01	0.01	0.01	0.01
Carfentrazone-ethyl	0.01	0.01	0.01	0.01	0.01	0.01
Chlorantraniliprole	0.01	0.01	0.01	0.01	0.01	0.01
Chlorbromuron	0.01	0.01	0.01	0.01	0.01	0.01
Chlorbufam	0.01	0.01		0.01	0.01	0.01
Chlordane-cis	0.01	0.01	0.005	0.005	0.01	0.05
Chlordane-trans	0.01	0.01	0.005	0.005	0.01	0.05
Chlorfenapyr	0.01	0.01	0.005	0.01	0.01	0.01
Chlorfenvinphos	0.01	0.01	0.01	0.01	0.01	0.01
Chlorfluazuron	0.01	0.01		0.01	0.01	0.01
Chloridazon	0.01	0.01	0.01	0.01	0.01	0.01
Chlormequat	0.01	0.02				
Chlorobenzilate	0.01	0.01	0.005	0.005	0.01	0.01
Chlorothalonil	0.01	0.01	0.005	0.01	0.01	0.01
Chlorotoluron	0.01	0.01	0.01	0.01	0.01	0.01
Chloroxuron	0.01	0.01	0.01	0.01	0.01	0.01
Chlorpropham	0.01	0.01	0.005	0.01	0.01	0.01
Chlorpyrifos methyl	0.01	0.01	0.005	0.005	0.01	0.01
Chlorpyrifos	0.01	0.01	0.01	0.01	0.01	0.01
Chlorsulfuron	0.01	0.01	0.01	0.01	0.01	0.05
Chlorthal-dimethyl	0.01	0.01	0.005	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Chlozolinate	0.01	0.01	0.005	0.01	0.01	0.05
Clethodim	0.01	0.01		0.01	0.01	0.01
Clodinafop-propargyl	0.01	0.01	0.01	0.01	0.01	0.01
Clofentezine	0.01	0.01	0.01	0.01	0.01	0.01
Clomazone	0.01	0.01	0.01	0.01	0.01	0.01
Clopyralid	0.05	0.05	0.05	0.05	0.05	0.05
Clothianidin	0.01	0.01		0.01	0.01	0.01
Coumaphos	0.01	0.01	0.005	0.005	0.01	0.01
Cyanazine	0.01	0.01	0.01	0.01	0.01	0.01
Cyanofenphos	0.01	0.01	0.005	0.01	0.01	0.01
Cyanophos	0.01	0.01	0.005	0.01	0.01	0.01
Cyazofamid	0.01	0.01	0.01	0.01	0.01	0.01
Cyclanilide	0.1	0.1		0.1	0.1	0.1
Cycloate	0.01	0.01	0.01	0.01	0.01	0.01
Cycloxydim	0.05	0.05		0.05	0.05	0.05
Cyfluthrin	0.01	0.01	0.02	0.02	0.01	0.05
Cyhalothrin-lambda	0.01	0.02	0.005	0.005	0.01	0.01
Cymiazol	0.01	0.01	0.01	0.01	0.01	0.01
Cymoxanil	0.01	0.01	0.01	0.01	0.01	0.01
Cypermethrin	0.02	0.02	0.01	0.02	0.02	0.1
Cyproconazole	0.01	0.01	0.005	0.01	0.01	0.01
Cyprodinil	0.01	0.01	0.01	0.01	0.01	0.01
Cyromazine	0.02	0.02				
Daminozide	0.01	0.02				
DDAC	0.01	0.01	0.01	0.01	0.01	0.01
DEET	0.05	0.05	0.05	0.05	0.05	0.05
Deltamethrin	0.01	0.01	0.02	0.01	0.01	0.05
Demeton-S-me-sulfone	0.01	0.01	0.005	0.01	0.01	0.01
Demeton-S-methyl-sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Desmedipham	0.01	0.01	0.01	0.01	0.01	0.01
Diazinon	0.01	0.01	0.005	0.01	0.01	0.01
Dichlobenil	0.01	0.01	0.005	0.01	0.01	0.01
Dichlofenthion	0.05	0.05	0.05	0.05	0.05	0.05
Dichlofluanid	0.01	0.01	0.005	0.01	0.01	0.01
Dichlorprop	0.01	0.01		0.01	0.01	0.01
Dichlorvos	0.01	0.01	0.005	0.005	0.01	0.01
Diclobutrazol	0.01	0.01	0.01	0.01	0.01	0.01
Dicloran	0.01	0.01	0.005	0.01	0.01	0.01
Dicofol	0.01	0.01		0.01	0.01	0.01
Dicrotophos	0.01	0.01	0.01	0.01	0.01	0.01
Dieldrin	0.01	0.01	0.005	0.01	0.01	0.01
Diethofencarb	0.01	0.01	0.01	0.01	0.01	0.01
Difenoconazole	0.01	0.01	0.01	0.01	0.01	0.01
Diflubenzuron	0.01	0.01		0.01	0.01	0.01
Diflufenican	0.01	0.01	0.01	0.01	0.01	0.01
Dimethenamid	0.01	0.01	0.01	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Dimethoate	0.01	0.01	0.005	0.005	0.01	0.01
Dimethomorph	0.01	0.01	0.01	0.01	0.01	0.01
Dimoxystrobin	0.01	0.01	0.005	0.01	0.01	0.01
Diniconazole	0.01	0.01	0.01	0.01	0.01	0.01
Dinitramine	0.1	0.1	0.1	0.1	0.1	0.1
Dinoseb	0.02	0.02		0.02	0.02	0.02
Dinoterb	0.02	0.02		0.02	0.02	0.02
Dioxacarb	0.01	0.02	0.02	0.02	0.02	0.02
Diphenamid	0.01	0.02	0.02	0.02	0.02	0.02
Diphenylamine	0.05	0.05	0.025	0.05	0.05	0.01
Ditalimfos	0.01	0.01	0.01	0.01	0.01	0.01
Dithiocarbamates	0.05	0.05				0.05
Diuron	0.01	0.01	0.01	0.01	0.01	0.01
DMF	0.01					
DMPF	0.01					
DMSA	0.02	0.02	0.02	0.02	0.02	0.02
DMST	0.02	0.02	0.02	0.02	0.02	0.02
DNOC	0.01	0.01		0.02	0.02	0.02
Dodine	0.01	0.01	0.01	0.01	0.01	0.01
Emamectin B1a	0.01	0.01	0.01	0.01	0.01	0.01
Endosulfan sulfate	0.02	0.02	0.02	0.02	0.02	0.01
Endosulfan-alpha	0.01	0.01	0.005	0.01	0.01	0.01
Endosulfan-beta	0.01	0.01	0.005	0.01	0.01	0.01
Endosulfan-ether	0.01	0.01	0.005	0.01	0.01	0.01
Endosulfan-lacton	0.01	0.01	0.005	0.01	0.01	0.01
Endosulfan-sulfate	0.02	0.02	0.02	0.02	0.02	0.02
Endrin	0.01	0.01	0.005	0.01	0.01	0.01
EPN	0.01	0.01	0.005	0.01	0.01	0.01
Epoxyconazole	0.01	0.01	0.01	0.01	0.01	0.01
EPTC	0.1	0.1	0.1	0.1	0.1	0.1
Esfenvalerate	0.01		0.05			0.01
Ethephon	0.05	0.04				
Ethiofencarb	0.05	0.05	0.05	0.05	0.05	0.05
Ethiofencarb-sulfone	0.05	0.05	0.05	0.05	0.05	0.05
Ethiofencarb-sulfoxide	0.05	0.05	0.05	0.05	0.05	0.05
Ethion	0.01	0.01	0.01	0.01	0.01	0.01
Ethirimol	0.01	0.01	0.01	0.01	0.01	0.01
Ethofumesate	0.01	0.01	0.01	0.01	0.01	0.01
Ethoprophos	0.01	0.01	0.005	0.01	0.01	0.01
Etofenprox	0.01	0.01	0.01	0.01	0.01	0.01
Etoxazole	0.01	0.01	0.01	0.01	0.01	0.05
Etridazole	0.01	0.01	0.005	0.01	0.01	0.01
Etrimfos	0.01	0.01	0.01	0.01	0.01	0.01
Famoxadone	0.01	0.01	0.01	0.01	0.01	0.01
Fenamidone	0.01	0.02	0.005	0.01	0.01	0.01
Fenamiphos	0.01	0.01	0.01	0.01	0.01	0.01



Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Fenamiphos-sulfone	0.01	0.01	0.01	0.01	0.01	0.01
Fenamiphos-sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Fenarimol	0.01	0.01	0.005	0.01	0.01	0.01
Fenazaquin	0.01	0.01	0.005	0.01	0.01	0.01
Fenbuconazole	0.01	0.01	0.005	0.01	0.01	0.01
Fenchlorphos	0.01	0.01	0.005	0.005	0.01	0.01
Fenhexamid	0.01	0.01	0.01	0.01	0.01	0.01
Fenitrothion	0.01	0.01	0.005	0.01	0.01	0.01
Fenoprop (2,4,5-TP)	0.05	0.05		0.05	0.05	0.05
Fenothiocarb	0.01	0.01	0.01	0.01	0.01	0.01
Fenoxaprop-ethyl	0.05	0.05	0.05	0.05	0.05	0.05
Fenoxycarb	0.01	0.01	0.01	0.01	0.01	0.01
Fenpiclonil	0.01	0.01	0.01	0.01	0.01	0.01
Fenpropathrin	0.01	0.01	0.005	0.01	0.01	0.01
Fenpropidin	0.01	0.01	0.01	0.01	0.01	0.01
Fenpropimorph	0.01	0.01	0.01	0.01	0.01	0.01
Fenpyroximate	0.01	0.01	0.01	0.01	0.01	0.01
Fensulfothion	0.01	0.01	0.01	0.01	0.01	0.01
Fenthion	0.01	0.01	0.01	0.01	0.01	0.01
Fenthion Sulfone	0.01	0.01	0.01	0.01	0.01	0.01
Fenthion Sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Fenuron	0.05	0.05	0.05	0.05	0.05	0.05
Fenvalerate	0.01	0.01	0.01	0.01	0.01	0.01
Fipronil	0.01	0.01		0.01	0.01	0.01
Fipronil desulfynil	0.01	0.01		0.01	0.01	0.01
Fipronil sulfide	0.01	0.01		0.01	0.01	0.01
Fipronil sulfone	0.01	0.01		0.01	0.01	0.01
Flamprop-isopropyl	0.01	0.01	0.01	0.01	0.01	0.01
Flazasulfuron	0.01	0.01	0.01	0.01	0.01	0.01
Flonicamid	0.01	0.01	0.01	0.01	0.01	0.01
Florasulam	0.01	0.01	0.01	0.01	0.01	0.01
Fluazifop	0.02	0.02	0.02	0.02	0.02	0.02
Fluazifop-P-butyl	0.01	0.02		0.02	0.02	0.02
Fluazinam	0.01	0.02		0.02	0.02	0.02
Flubendiamide	0.01	0.01		0.01	0.01	0.01
Flucycloxuron	0.01	0.01	0.01	0.01	0.01	0.01
Flucythrinate	0.01	0.01	0.005	0.01	0.01	0.01
Fludioxonil	0.01	0.01	0.01	0.01	0.01	0.01
Fludioxonil	0.01	0.01	0.005	0.01	0.01	0.01
Flufenacet	0.01	0.01	0.01	0.01	0.01	0.01
Flufenoxuron	0.01	0.01	0.01	0.01	0.01	0.01
Fluopicolide	0.01	0.01	0.01	0.01	0.01	0.01
Fluopyram	0.02	0.02	0.02	0.02	0.02	0.02
Fluquinconazole	0.01	0.01	0.01	0.01	0.01	0.01
Flurochloridone	0.01	0.01	0.01	0.01	0.01	0.01
Flurtamone	0.01	0.01	0.005	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Flusilazole	0.01	0.01	0.005	0.01	0.01	0.01
Flutolanil	0.01	0.01	0.01	0.01	0.01	0.01
Flutriafol	0.01	0.01	0.01	0.01	0.01	0.01
Fluvalinate-tau	0.01	0.01	0.005	0.01	0.01	0.01
Fluxapyroxad	0.01	0.01	0.01	0.01	0.01	0.01
Folpet	0.01	0.01		0.01	0.01	0.01
Fonofos	0.01	0.01	0.005	0.005	0.01	0.01
Forchlorfenuron	0.01	0.01	0.01	0.01	0.01	0.01
Formothion	0.01	0.01	0.005	0.01	0.01	0.01
Fosthiazate	0.01	0.01	0.01	0.01	0.01	0.01
Fuberidazole	0.01	0.01	0.01	0.01	0.01	0.01
Furalaxyl	0.01	0.01	0.005	0.01	0.01	0.01
Furathiocarb	0.01	0.01	0.01	0.01	0.01	0.01
Furmecyclox	0.01	0.01	0.01	0.01	0.01	0.01
Glufosinate ammonium	0.08	0.08				
Glyphosate	0.08	0.08				
Haloxypop	0.02	0.02		0.02	0.02	0.02
Haloxypop-methyl	0.01	0.02	0.02	0.02	0.02	0.02
HCH-alpha	0.01	0.02	0.005	0.005	0.005	0.005
HCH-beta	0.01	0.02	0.005	0.005	0.01	0.01
HCH-delta	0.01	0.02	0.005	0.005	0.01	0.01
Heptachlor	0.01	0.02	0.005	0.005	0.01	0.01
Heptachlor endo-epoxide,trans	0.01	0.01	0.005	0.01	0.01	0.01
Heptachlor exo-epoxide,cis	0.01	0.01	0.005	0.005	0.005	0.005
Heptenophos	0.01	0.01	0.01	0.01	0.01	0.01
Hexachlorobenzene	0.01	0.01	0.005	0.005	0.01	0.01
Hexaconazole	0.01	0.01	0.005	0.01	0.01	0.01
Hexaflumuron	0.01	0.01		0.01	0.01	0.01
Hexythiazox	0.01	0.01	0.01	0.01	0.01	0.01
Imazalil	0.01	0.01	0.01	0.01	0.01	0.01
Imazamox	0.01	0.01	0.01	0.01	0.01	0.01
Imazaquin	0.01	0.01	0.01	0.01	0.01	0.01
Imazethapyr	0.01	0.01	0.01	0.01	0.01	0.01
Imidacloprid	0.01	0.01	0.01	0.01	0.01	0.01
Indoxacarb	0.01	0.01	0.01	0.01	0.01	0.01
Iodofenphos	0.01	0.01	0.005	0.005	0.005	0.005
Iodosulfuron-methyl	0.01	0.01	0.01	0.01	0.01	0.01
Ioxynil	0.01	0.01		0.01	0.01	0.01
Iprodione	0.01	0.01		0.01	0.01	0.01
Iprovalicarb	0.01	0.01	0.005	0.01	0.01	0.01
Isazophos	0.01	0.01	0.005	0.01	0.01	0.01
Isocarbofos	0.01	0.01		0.01	0.01	0.01
Isodrin	0.01	0.01	0.005	0.01	0.01	0.01
Isofenphos	0.01	0.02	0.01	0.02	0.02	0.01
Isofenphos	0.01	0.01	0.005	0.02	0.02	0.01
Isofenphos-methyl	0.01	0.01	0.005	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Isofenphos-oxon	0.01	0.01	0.005	0.01	0.01	0.01
Isoproc carb	0.01	0.01	0.01	0.01	0.01	0.01
Isoprothiolane	0.01	0.01	0.01	0.01	0.01	0.01
Isoproturon	0.01	0.01	0.01	0.01	0.01	0.01
Kresoxim-methyl	0.01	0.01	0.01	0.01	0.01	0.01
Lenacil	0.01	0.01	0.005	0.01	0.01	0.01
Lindane	0.01	0.01	0.005	0.005	0.01	0.01
Linuron	0.01	0.01	0.01	0.01	0.01	0.01
Lufenuron	0.01	0.01	0.01	0.01	0.01	0.01
Malaoxon	0.01	0.01	0.01	0.01	0.01	0.01
Malathion	0.01	0.01	0.01	0.01	0.01	0.01
Mandipropamid	0.01	0.01	0.01	0.01	0.01	0.01
MCPA	0.02	0.02		0.02	0.02	0.02
MCPA methyl ester	0.01	0.01	0.005	0.01	0.01	0.01
MCPB	0.01	0.01		0.01	0.01	0.01
Mecarbam	0.01	0.01	0.005	0.01	0.01	0.01
Mecoprop	0.01	0.01		0.01	0.01	0.01
Mefenpyr-Diethyl	0.01	0.01	0.01	0.01	0.01	0.01
Mepanipyrim	0.01	0.01	0.01	0.01	0.01	0.01
Mephosfolan	0.01	0.01	0.01	0.01	0.01	0.01
Mepiquat	0.01	0.02				
Mepronil	0.01	0.01	0.01	0.01	0.01	0.01
Mesosulfuron methyl	0.01	0.01	0.01	0.01	0.01	0.01
Metalaxyl	0.01	0.01	0.01	0.01	0.01	0.01
Metamitron	0.01	0.01		0.01	0.01	0.01
Metazachlor	0.01	0.01	0.01	0.01	0.01	0.01
Metconazole	0.01	0.01	0.01	0.01	0.01	0.01
Methacrifos	0.01	0.01	0.005	0.01	0.01	0.01
Methamidophos	0.01	0.01	0.01	0.01	0.01	0.01
Methamidophos	0.01	0.01		0.01	0.01	0.01
Methidathion	0.01	0.01	0.01	0.01	0.01	0.01
Methiocarb	0.01	0.01	0.01	0.01	0.01	0.01
Methiocarb sulfone	0.01	0.01	0.01	0.01	0.01	0.01
Methiocarb sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Methomyl	0.01	0.01	0.01	0.01	0.01	0.01
Methoprene	0.01	0.01	0.01	0.01	0.01	0.01
Methoxychlor	0.01	0.01	0.005	0.005	0.005	0.005
Methoxyfenozide	0.01	0.01	0.01	0.01	0.01	0.01
Metobromuron	0.01	0.01	0.01	0.01	0.01	0.01
Metolachlor	0.01	0.01	0.01	0.01	0.01	0.01
Metosulam	0.01	0.01	0.01	0.01	0.01	0.01
Metoxuron	0.01	0.01	0.01	0.01	0.01	0.01
Metrafenone	0.01	0.01	0.01	0.01	0.01	0.01
Metribuzin	0.01	0.01	0.005	0.01	0.01	0.01
Metsulfuron-methyl	0.01	0.01	0.01	0.01	0.01	0.01
Mevinphos	0.01	0.01	0.005	0.02	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Mirex	0.01	0.01	0.005	0.01	0.01	0.01
Molinate	0.01	0.01	0.01	0.01	0.01	0.01
Molinate	0.01	0.01	0.005	0.01	0.01	0.01
Monocrotophos	0.01	0.01	0.02	0.02	0.02	0.02
Monolinuron	0.01	0.02	0.02	0.02	0.02	0.02
Myclobutanil	0.01	0.02	0.02	0.02	0.02	0.02
N-acetyl Glufosinate	0.08	0.08				
Napropamide	0.01	0.01	0.01	0.01	0.01	0.01
Naptalam	0.01	0.01	0.01	0.01	0.01	0.01
Neburon	0.01	0.02	0.02	0.02	0.02	0.02
Nicosulfuron	0.01	0.02	0.02	0.02	0.02	0.02
Nitenpyram	0.01	0.01	0.01	0.01	0.01	0.01
Nitrofen	0.01	0.01	0.005	0.01	0.01	0.01
Nonachlor-trans	0.01	0.01	0.005	0.01	0.01	0.01
Nuarimol	0.01	0.01	0.005	0.01	0.01	0.01
Omethoate	0.01	0.01	0.005	0.01	0.01	0.01
opDDD	0.01	0.01	0.005	0.005	0.01	0.01
opDDE	0.01	0.01	0.005	0.005	0.01	0.01
opDDT	0.01	0.01	0.005	0.005	0.01	0.01
o-Phenphenol	0.01	0.01	0.005	0.01	0.01	0.01
Oxadiazon	0.01	0.01	0.01	0.01	0.01	0.01
Oxadixyl	0.01	0.01		0.01	0.01	0.01
Oxamyl	0.01	0.01	0.01	0.01	0.01	0.01
Oxamyl Oxime	0.01	0.01	0.01	0.01	0.01	0.01
Oxychlorthane	0.01	0.01	0.005	0.006	0.006	0.006
Oxyfluorfen	0.1	0.01	0.1	0.1	0.1	0.1
Paclobutrazol	0.01	0.01	0.01	0.01	0.01	0.01
Paraoxon methyl	0.01	0.01	0.005	0.01	0.01	0.01
Paraoxon-ethyl	0.01	0.01	0.01	0.01	0.01	0.01
Paraquat	0.1	0.05				
Parathion-ethyl	0.01	0.01	0.01	0.01	0.01	0.01
Parathion-methyl	0.01	0.01	0.01	0.01	0.01	0.01
PCB101	0.005	0.005	0.005	0.01	0.01	0.01
PCB118	0.005	0.005	0.005	0.01	0.01	0.01
PCB138	0.005	0.005	0.005	0.01	0.01	0.01
PCB153	0.005	0.005	0.005	0.01	0.01	0.01
PCB180	0.005	0.005	0.005	0.01	0.01	0.01
PCB28	0.005	0.005	0.005	0.01	0.01	0.01
PCB52	0.005	0.005	0.005	0.01	0.01	0.01
Penconazole	0.01	0.01	0.01	0.01	0.01	0.01
Pencycuron	0.01	0.01	0.01	0.01	0.01	0.01
Pendimethalin	0.01	0.01	0.01	0.01	0.01	0.01
Pentachloroaniline	0.01	0.01	0.01	0.01	0.01	0.01
Permethrin	0.01	0.01	0.01	0.01	0.01	0.01
Pethoxamid	0.01	0.01	0.01	0.01	0.01	0.01
Phenmedipham	0.01	0.01	0.01	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Phenthoate	0.01	0.01	0.005	0.01	0.01	0.01
Phorate	0.01	0.01		0.01	0.01	0.01
Phorate Sulfoxide	0.01	0.01	0.01	0.01	0.01	0.01
Phosalone	0.01	0.01	0.005	0.005	0.01	0.01
Phosmet	0.01	0.01	0.005	0.01	0.01	0.01
Phosphamidon	0.01	0.01	0.005	0.01	0.01	0.01
Phoxim	0.01	0.01	0.01	0.01	0.01	0.01
Picloram	0.01	0.01	0.01	0.01	0.01	0.01
Picoxystrobin	0.01	0.01	0.01	0.01	0.01	0.01
Piperonyl butoxide	0.01	0.01	0.01	0.01	0.01	0.01
Pirimicarb	0.01	0.01	0.005	0.01	0.01	0.01
Pirimicarb desmethyl	0.01	0.01	0.005	0.01	0.01	0.01
Pirimiphos-ethyl	0.01	0.01	0.01	0.01	0.01	0.01
Pirimiphos-methyl	0.01	0.01	0.01	0.01	0.01	0.01
ppDDD	0.01	0.01	0.005	0.005	0.01	0.01
ppDDE	0.01	0.01	0.005	0.005	0.01	0.01
ppDDT	0.01	0.01	0.005	0.005	0.005	0.005
Prochloraz	0.01	0.01	0.005	0.01	0.01	0.01
Procymidone	0.01	0.01	0.005	0.01	0.01	0.01
Profenofos	0.01	0.01	0.005	0.01	0.01	0.01
Promecarb	0.01	0.01	0.01	0.01	0.01	0.01
Promethryn	0.01	0.01	0.01	0.01	0.01	0.01
Prometon	0.01	0.01	0.01	0.01	0.01	0.01
Propachlor	0.01	0.01	0.005	0.01	0.01	0.01
Propamocarb	0.01	0.01	0.01	0.01	0.01	0.01
Propanil	0.01	0.01	0.005	0.01	0.01	0.01
Propaquizafop	0.01	0.01	0.01	0.01	0.01	0.01
Propargite	0.01	0.01	0.005	0.01	0.01	0.01
Propazine	0.01	0.01	0.01	0.01	0.01	0.01
Propetamphos	0.01	0.01	0.005	0.005	0.01	0.01
Propham	0.01	0.01	0.005	0.01	0.01	0.01
Propiconazole	0.01	0.01	0.005	0.01	0.01	0.01
Propoxur	0.01	0.01	0.01	0.01	0.01	0.01
Propoxycarbazone	0.01	0.01	0.01	0.01	0.01	0.01
Propyzamide	0.01	0.01	0.01	0.01	0.01	0.01
Proquinazid	0.01	0.01	0.01	0.01	0.01	0.01
Prosulfocarb	0.05	0.05	0.01	0.01	0.01	0.01
Prosulfuron	0.01	0.01	0.01	0.01	0.01	0.01
Prothioconazole desthio	0.01	0.01	0.01	0.01	0.01	0.01
Prothiofos	0.01	0.01	0.005	0.01	0.01	0.01
Pymetrozine	0.02	0.02	0.02	0.02	0.02	0.02
Pyraclostrobin	0.01	0.01	0.01	0.01	0.01	0.01
Pyrazophos	0.01	0.01	0.01	0.01	0.01	0.01
Pyrethrins	0.05	0.01	0.05	0.05	0.05	0.05
Pyridaben	0.01	0.01	0.01	0.01	0.01	0.01
Pyridaben	0.01	0.01	0.01	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Pyridalyl	0.01	0.01	0.01	0.01	0.01	0.01
Pyridaphenthion	0.01	0.01	0.01	0.01	0.01	0.01
Pyrifenox	0.02	0.02	0.02	0.02	0.02	0.02
Pyrimethanil	0.01	0.01	0.01	0.01	0.01	0.01
Pyriproxifen	0.01	0.01	0.01	0.01	0.01	0.01
Quinalphos	0.01	0.01	0.01	0.01	0.01	0.01
Quinoxifen	0.01	0.01	0.01	0.01	0.01	0.01
Quintozene	0.01	0.01	0.005	0.005	0.01	0.01
Quizalofop	0.02	0.02		0.02	0.02	0.02
Quizalofop-ethyl	0.01	0.02	0.02	0.02	0.02	0.02
Resmethrin	0.1	0.1	0.1	0.1	0.1	0.1
Rimsulfuron	0.01	0.01	0.01	0.01	0.01	0.02
Rotenone	0.01	0.01	0.01	0.01	0.01	0.01
Silthiofam	0.01	0.01	0.005	0.01	0.01	0.01
Simazine	0.01	0.01	0.01	0.01	0.01	0.01
Simetryn	0.01	0.01	0.01	0.01	0.01	0.01
Spinosyn A	0.01	0.01	0.01	0.01	0.01	0.01
Spinosyn D	0.01	0.01	0.01	0.01	0.01	0.01
Spirodiclofen	0.01	0.01	0.01	0.01	0.01	0.01
Spirodiclofen	0.01	0.01	0.005	0.01	0.01	0.01
Spiromesifen	0.01	0.01	0.01	0.01	0.01	0.01
Spirotetramat	0.01	0.01	0.01	0.01	0.01	0.01
Spiroxamine	0.01	0.01	0.01	0.01	0.01	0.01
Sulfentrazone	0.01	0.01		0.01	0.01	0.02
Sulfotep	0.01	0.01	0.01	0.01	0.01	0.01
Sulprofos	0.01	0.01	0.01	0.01	0.01	0.01
Tebuconazole	0.01	0.01	0.01	0.01	0.01	0.01
Tebufenozide	0.01	0.01	0.01	0.01	0.01	0.01
Tebufenpyrad	0.01	0.01	0.01	0.01	0.01	0.01
Tecnazene	0.01	0.01	0.005	0.005	0.01	0.01
Teflubenzuron	0.01	0.01		0.01	0.01	0.01
Tefluthrin	0.01	0.02	0.005	0.01	0.01	0.01
Terbumeton	0.01	0.01	0.01	0.01	0.01	0.01
Terbuthylazine	0.01	0.01	0.01	0.01	0.01	0.01
Terbuthylazine-2-hydroxy	0.01	0.01	0.01	0.01	0.01	0.01
Terbuthylazine-desethyl	0.01	0.01	0.01	0.01	0.01	0.01
Terbutryn	0.01	0.01	0.01	0.01	0.01	0.01
Tetraconazole	0.01	0.01	0.005	0.01	0.01	0.01
Tetradifon	0.01	0.01	0.005	0.01	0.01	0.01
Tetramethrin	0.02	0.02	0.005	0.02	0.02	0.02
TFNA	0.01	0.01		0.01	0.01	0.01
TFNG	0.01	0.01		0.01	0.01	0.01
Thiabendazole	0.01	0.01	0.01	0.01	0.01	0.01
Thiacloprid	0.02	0.02	0.02	0.02	0.02	0.02
Thiamethoxam	0.01	0.01	0.01	0.01	0.01	0.01
Thifensulfuron-methyl	0.05	0.01	0.01	0.01	0.01	0.01

Compound	Fruit, Veg. & Honey	Cereals	Fats	Milk	Eggs	Infant Foods
Thiobencarb	0.01	0.01	0.01	0.01	0.01	0.01
Thiodicarb	0.01	0.01	0.01	0.01	0.01	0.01
Thionazin	0.02	0.01	0.01	0.01	0.01	0.01
Thiophanate ethyl	0.01	0.01	0.01	0.01	0.01	0.01
Thiophanate methyl	0.01	0.01	0.01	0.01	0.01	0.01
Tolclofos-methyl	0.01	0.01	0.005	0.01	0.01	0.01
Tolyfluanid	0.01	0.01	0.005	0.01	0.01	0.01
Topramezzone	0.01	0.01	0.01	0.01	0.01	0.01
Triadimefon	0.01	0.01	0.005	0.01	0.01	0.01
Triadimenol	0.01	0.01	0.005	0.01	0.01	0.01
Tri-Allat	0.01	0.01	0.01	0.01	0.01	0.01
Triasulfuron	0.01	0.01	0.01	0.01	0.01	0.01
Triazophos	0.01	0.01	0.005	0.01	0.01	0.01
Trichlorfon	0.02	0.02	0.02	0.02	0.02	0.02
Triclopyr	0.01	0.01		0.01	0.01	0.01
Tricyclazole	0.01	0.01	0.01	0.01	0.01	0.01
Trifloxystrobin	0.01	0.01	0.01	0.01	0.01	0.01
Triflumizole	0.02	0.02	0.02	0.02	0.02	0.01
Triflumizole	0.02	0.02	0.02	0.02	0.02	0.01
Triflumuron	0.01	0.01		0.01	0.01	0.01
Trifluralin	0.01	0.01	0.005	0.01	0.01	0.01
Triflusulfuron-methyl	0.01	0.01	0.01	0.01	0.01	0.01
Triticonazole	0.01	0.01	0.01	0.01	0.01	0.01
Vamidotion	0.01	0.01	0.01	0.01	0.01	0.01
Vinclozolin	0.01	0.01	0.005	0.01	0.01	0.01
Zoxamide	0.01	0.01	0.01	0.01	0.01	0.01

## 9.3 ANNEX III Analytical results

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE	
<b>SURVEILLANCE</b>								
CITRUS FRUIT	Clementine	Morocco	851701	Imazalil	2.9	5		
				Propiconazole	0.64	6		
				Thiabendazole	0.57	5		
			851705	Fenazaquin	0.015	0.5		
				Imazalil	2.9	5		
				Ortho-Phenylphenol	7.1	5	MRL Breach	
			851735	Pyrimethanil	1.2	8		
				Chlorpyrifos	0.16	2		
				Fenazaquin	0.05	0.5		
				Imazalil	3.06	5		
				Lambda-Cyhalothrin	0.025	0.2		
				Ortho-Phenylphenol	5	5		
				Propiconazole	0.52	6		
				Pyrimethanil	2.95	8		
				Thiabendazole	0.019	5		
			851764	Imazalil	0.43	5		
			851766	Imazalil	1.2	5		
				Lambda-Cyhalothrin	0.018	0.2		
				Ortho-Phenylphenol	1.4	5		
				Pyrimethanil	0.41	8		
				851789	Tebuconazole	0.015	5	
				851825	Imazalil	1.9	5	
			Ortho-Phenylphenol		0.15	5		
			Pyrimethanil		2.2	8		
				Thiabendazole	0.2	5		
				851831	Imazalil	2.1	5	
				Lambda-Cyhalothrin	0.013	0.2		
				Propiconazole	0.04	6		
				Thiabendazole	0.5	5		
				851842	Chlorpyrifos	0.21	2	
				Imazalil	2.7	5		
				Ortho-Phenylphenol	0.13	5		
				851882	Fludioxonil	0.63	7	
				Imazalil	1.1	5		
				Thiabendazole	0.55	5		
				851898	Chlorpyrifos	0.19	2	
				Imazalil	5.9	5	MRL Breach	
				Ortho-Phenylphenol	0.097	5		
				Pyrimethanil	0.013	8		
			851906	Imazalil	3.7	5		
				Lambda-Cyhalothrin	0.012	0.2		
				Ortho-Phenylphenol	0.085	5		
				Pyrimethanil	1.5	8		
				Thiabendazole	3.9	5		
				852380	2,4-D	0.019	1	
			Chlorpyrifos		0.07	2		
			Fludioxonil		0.51	7		
Imazalil	0.85	5						
Propiconazole	0.82	6						
	Thiabendazole	0.69	5					



CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
		South Africa	852023	2,4-D	0.089	1	
				Imazalil	0.92	5	
				Linuron	0.01	0.05	
				Proquinazid	0.018	0.02	
				Pyrimethanil	1.3	8	
				Thiabendazole	0.76	5	
			852078	2,4-D	0.061	1	
				Imazalil	1.6	5	
				Pyraclostrobin	0.044	1	
				Pyrimethanil	1.5	8	
				Thiabendazole	1.2	5	
			852088	2,4-D	0.12	1	
				Carbendazim	0.018	0.7	
				Imazalil	2.3	5	
				Pyraclostrobin	0.011	1	
				Pyrimethanil	2.4	8	
				Thiabendazole	0.44	5	
			852125	2,4-D	0.062	1	
				Imazalil	1.9	5	
				Ortho-Phenylphenol	0.013	5	
				Pyrimethanil	3.5	8	
				Thiabendazole	1.1	5	
			852129	2,4-D	0.061	1	
				Azoxystrobin	0.011	15	
				Imazalil	5.5	5	MRL Breach
				Pyraclostrobin	0.034	1	
				Pyrimethanil	5.3	8	
				Pyriproxyfen	0.021	0.6	
				Thiabendazole	0.2	5	
			852135	2,4-D	0.085	1	
				Azoxystrobin	0.064	15	
				Carbendazim	0.021	0.7	
				Chlorpyrifos	0.014	2	
				Imazalil	0.99	5	
				Pyrimethanil	3	8	
				Thiabendazole	0.22	5	
			852136	2,4-D	0.042	1	
				Azoxystrobin	0.035	15	
				Buprofezin	0.021	1	
				Chlorfenapyr	0.011	0.01	MRL Breach
				Chlorpyrifos	0.039	2	
				Imazalil	1.8	5	
				Methoxyfenozide	0.018	2	
				Pyrimethanil	1.7	8	
				Thiabendazole	1.4	5	
		Spain	851943	Chlorpyrifos	0.021	2	
				Chlorpyrifos-Methyl	0.04	1	
				Imazalil	1.7	5	
				Tebufenpyrad	0.053	0.5	
			852314	Imazalil	1.4	5	
				Phosmet	0.029	0.5	
				Propiconazole	0.78	6	
				Pyrimethanil	1.1	8	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			852349	Chlorpyrifos	0.034	2	
				Imazalil	1.5	5	
				Lambda-Cyhalothrin	0.011	0.2	
				Propiconazole	0.48	6	
				Pyriproxyfen	0.01	0.6	
		Uruguay	852093	Imazalil	0.41	5	
				Ortho-Phenylphenol	0.078	5	
				Propiconazole	0.43	6	
				Pyraclostrobin	0.011	1	
				Pyrimethanil	0.97	8	
	Grapefruit	Cyprus	851741	Imazalil	2.43	5	
				Ortho-Phenylphenol	0.062	5	
				Pyrimethanil	0.33	8	
				Thiabendazole	0.27	5	
			851848	Chlorpyrifos	0.061	0.3	
				Imazalil	2.1	5	
				Thiabendazole	1.2	5	
		South Africa	852137	Imazalil	0.95	5	
				Pyraclostrobin	0.018	1	
				Thiabendazole	1	5	
			852250	Buprofezin	0.01	1	
				Imazalil	3.2	5	
				Pyraclostrobin	0.024	1	
				Pyrimethanil	0.66	8	
				Pyriproxyfen	0.014	0.6	
				Thiabendazole	0.85	5	
		Turkey	851700	Acetamiprid	0.12	0.9	
				Boscalid	0.019	2	
				Buprofezin	0.021	1	
				Carbendazim	0.02	0.2	
				Chlorpyrifos	0.045	0.3	
				Fenvalerate	0.011	0.02	
				Imazalil	0.4	5	
				Ortho-Phenylphenol	0.66	5	
				Propiconazole	0.46	6	
				Pyraclostrobin	0.018	1	
				Pyrimethanil	0.033	8	
				Pyriproxyfen	0.012	0.6	
				Thiabendazole	0.58	5	
			851773	Buprofezin	0.045	1	
				Imazalil	0.11	5	
				Pyridaben	0.2	0.5	
				Pyrimethanil	1.1	8	
				Thiabendazole	0.29	5	
				Trifloxystrobin	0.015	0.5	
			851901	Acetamiprid	0.1	0.9	
				Chlorpyrifos	0.062	0.3	
				Imazalil	1.3	5	
				Prochloraz	0.024	10	
				Pyrimethanil	0.75	8	
				Thiabendazole	1.1	5	
	Lemon	Argentina	852077	2,4-D	0.032	1	
				Carbendazim	0.043	0.7	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Imazalil	1.6	5	
				Ortho-Phenylphenol	0.44	5	
				Propiconazole	0.54	6	
				Pyraclostrobin	0.012	1	
				Pyrimethanil	0.45	8	
				Thiabendazole	0.17	5	
				Trifloxystrobin	0.011	0.5	
		Spain	851850	Chlorpyrifos	0.049	0.2	
				Etofenprox	0.11	1	
				Imazalil	1.6	5	
			851900	Imazalil	0.61	5	
				Pyrimethanil	0.01	8	
			851977	None	0	0	
			852317	Chlorpyrifos-Methyl	0.088	0.3	
				Imazalil	0.94	5	
				Propiconazole	0.72	6	
				Pyrimethanil	1.2	8	
		Turkey	851740	Chlorpyrifos	0.14	0.2	
				Imazalil	0.63	5	
				Ortho-Phenylphenol	0.024	5	
				Prochloraz	0.017	10	
				Pyriproxyfen	0.025	0.6	
				Tau-Fluvalinate	0.03	0.1	
				Thiabendazole	0.4	5	
			851768	Carbendazim	0.01	0.7	
				Chlorpyrifos	0.075	0.2	
				Imazalil	0.077	5	
				Malathion	0.013	2	
				Ortho-Phenylphenol	0.65	5	
				Pyrimethanil	2.2	8	
				Pyriproxyfen	0.02	0.6	
				Thiabendazole	0.092	5	
	Limes	Brazil	851767	Imazalil	0.93	5	
				Thiabendazole	1.1	5	
		Mexico	851697	Imazalil	1.4	5	
				Thiabendazole	0.3	5	
			851877	Chlorpyrifos	0.02	0.3	
				Imazalil	1.4	5	
				Thiabendazole	0.35	5	
			851902	Imazalil	1.7	5	
				Pyraclostrobin	0.013	1	
				Thiabendazole	0.36	5	
			852310	Imazalil	2.6	5	
				Thiabendazole	1.9	5	
	Mandarin	Cyprus	851903	Imazalil	1.2	5	
				Ortho-Phenylphenol	0.38	5	
				Pyrimethanil	1.7	8	
				Thiabendazole	1.8	5	
			851949	2,4-D	0.017	1	
				Imazalil	2.3	5	
				Ortho-Phenylphenol	0.035	5	
				Pyrimethanil	1.4	8	
				Thiabendazole	0.73	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
		Morocco	851875	Chlorpyrifos	0.016	2	
				Imazalil	1.5	5	
				Thiabendazole	0.16	5	
		Peru	852195	Chlorpyrifos	0.069	2	
				Imazalil	2.31	5	
				Ortho-Phenylphenol	2.35	5	
				Thiabendazole	2.61	5	
			852206	Fenpyroximate	0.044	0.5	
				Imazalil	1.5	5	
				Ortho-Phenylphenol	2.7	5	
				Thiabendazole	1.4	5	
			852246	2,4-D	0.11	1	
				Azoxystrobin	0.029	15	
				Imazalil	1.5	5	
				Propiconazole	0.43	6	
				Pyrimethanil	0.016	8	
				Pyriproxyfen	0.032	0.6	
				Thiabendazole	1.4	5	
		South Africa	852292	2,4-D	0.058	1	
				Fenpyroximate	0.021	0.5	
				Imazalil	0.43	5	
				Ortho-Phenylphenol	0.03	5	
				Propiconazole	0.62	6	
				Pyrimethanil	0.95	8	
				Thiabendazole	0.37	5	
		Spain	852262	Etofenprox	0.041	1	
				Imazalil	1.5	5	
				Lambda-Cyhalothrin	0.011	0.2	
				Ortho-Phenylphenol	0.02	5	
				Pyrimethanil	0.015	8	
			852263	Fenpyroximate	0.011	0.5	
				Imazalil	1.9	5	
				Pyrimethanil	0.021	8	
	Minneola	Peru	852197	Imazalil	1.71	5	
				Prochloraz	0.1	10	
				Thiabendazole	1.57	5	
		Turkey	851776	Acetamiprid	0.17	0.9	
				Etoazole	0.019	0.1	
				Imazalil	0.42	5	
				Ortho-Phenylphenol	0.18	5	
				Pyrimethanil	1.1	8	
				Thiabendazole	0.17	5	
	Orange	Egypt	851706	Chlorpyrifos	0.14	0.3	
				Imazalil	1.2	5	
				Ortho-Phenylphenol	2	5	
				Thiabendazole	0.47	5	
			851763	Chlorpyrifos	0.026	0.3	
				Imazalil	1.7	5	
				Lambda-Cyhalothrin	0.011	0.2	
				Ortho-Phenylphenol	2.3	5	
				Pyrimethanil	0.65	8	
				Thiabendazole	1.3	5	
			851824	Imazalil	1.7	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Lambda-Cyhalothrin	0.034	0.2	
				Ortho-Phenylphenol	1.1	5	
				Piperonyl Butoxide	0.019	na	
				Thiabendazole	1	5	
			851844	Dimethoate	0.024	0.02	MRL Breach
				Imazalil	2.1	5	
				Ortho-Phenylphenol	0.93	5	
				Thiabendazole	1	5	
			852006	Chlorpyrifos	0.046	0.3	
				Imazalil	1.9	5	
				Ortho-Phenylphenol	0.26	5	
				Thiabendazole	0.66	5	
			852025	Chlorpyrifos	0.055	0.3	
				Imazalil	2.2	5	
				Ortho-Phenylphenol	2.1	5	
				Proquinazid	0.012	0.02	
				Pyrimethanil	0.11	8	
				Thiabendazole	1.3	5	
			852063	Imazalil	1.6	5	
				Ortho-Phenylphenol	0.38	5	
				Pyriproxyfen	0.01	0.6	
				Thiabendazole	0.45	5	
		Italy	851715	None	0	0	
		Morocco	851823	Chlorpyrifos	0.21	0.3	
				Imazalil	1.8	5	
				Ortho-Phenylphenol	0.64	5	
				Propiconazole	0.54	9	
				Pyrimethanil	0.091	8	
				Thiabendazole	0.34	5	
			851959	Chlorpyrifos	0.086	0.3	
				Imazalil	2	5	
				Ortho-Phenylphenol	0.038	5	
			852004	Imazalil	0.99	5	
				Thiabendazole	0.26	5	
		South Africa	852046	Imazalil	2.3	5	
				Ortho-Phenylphenol	0.81	5	
				Thiabendazole	1.8	5	
			852052	2,4-D	0.11	1	
				Acetamiprid	0.011	0.9	
				Imazalil	1.6	5	
				Pyraclostrobin	0.045	2	
				Pyrimethanil	0.46	8	
				Pyriproxyfen	0.06	0.6	
				Thiabendazole	2.6	5	
			852058	2,4-D	0.11	1	
				Buprofezin	0.01	1	
				Carbendazim	0.026	0.2	
				Imazalil	2.8	5	
				Pyrimethanil	1.8	8	
				Thiabendazole	2.3	5	
				Trifloxystrobin	0.024	0.5	
			852086	Imazalil	0.9	5	
				Ortho-Phenylphenol	0.011	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Propiconazole	1.1	9	
				Pyrimethanil	4.1	8	
				Thiabendazole	0.31	5	
			852087	2,4-D	0.04	1	
				Buprofezin	0.014	1	
				Carbendazim	0.028	0.2	
				Chlorfenapyr	0.015	0.01	MRL Breach
				Chlorpyrifos	0.062	0.3	
				Imazalil	0.33	5	
				Pyraclostrobin	0.087	2	
				Pyrimethanil	3.8	8	
				Pyriproxyfen	0.065	0.6	
				Thiabendazole	0.84	5	
			852194	2,4-D	0.053	1	
				Buprofezin	0.011	1	
				Dithiocarbamates	0.08	5	
				Imazalil	2.78	5	
				Pyraclostrobin	0.033	2	
				Thiabendazole	0.86	5	
			852269	2,4-D	0.027	1	
				Azoxystrobin	0.011	15	
				Imazalil	2.6	5	
				Imidacloprid	0.013	1	
				Pyrimethanil	1.6	8	
				Pyriproxyfen	0.01	0.6	
				Thiabendazole	4.4	5	
		Spain	851744	Chlorpyrifos	0.092	0.3	
				Etofenprox	0.16	1	
				Imazalil	1.7	5	
				Propiconazole	0.46	9	
			851851	Chlorpyrifos	0.071	0.3	
				Imazalil	0.16	5	
				Imidacloprid	0.059	1	
			851887	Chlorpyrifos	0.011	0.3	
				Imazalil	1.2	5	
				Ortho-Phenylphenol	3	5	
				Thiabendazole	1.7	5	
			851921	None	0	0	
			852291	Acetamiprid	0.01	0.9	
				Etofenprox	0.053	1	
				Imazalil	0.63	5	
				Propiconazole	0.014	9	
			852311	Acetamiprid	0.03	0.9	
				Chlorpyrifos	0.029	0.3	
				Etofenprox	0.041	1	
				Imazalil	0.31	5	
				Ortho-Phenylphenol	0.01	5	
				Propiconazole	0.3	9	
				Pyrimethanil	1	8	
				Pyriproxyfen	0.023	0.6	
			852351	Chlorpyrifos	0.028	0.3	
				Etofenprox	0.049	1	
				Imazalil	0.79	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
		Turkey	851969	Imazalil	1.1	5	
				Ortho-Phenylphenol	3	5	
				Thiabendazole	0.96	5	
			852049	Buprofezin	0.011	1	
				Carbendazim	0.016	0.2	
				Chlorfenapyr	0.019	0.01	MRL Breach
				Chlorpyrifos	0.055	0.3	
				Imazalil	1	5	
				Pyraclostrobin	0.072	2	
				Pyrimethanil	4.3	8	
				Pyriproxyfen	0.057	0.6	
				Thiabendazole	1.6	5	
	Orange Juice	United States	852327	None	0	0	
		Unknown	852319	None	0	0	
			852320	None	0	0	
			852321	None	0	0	
			852322	None	0	0	
			852323	None	0	0	
			852324	Imazalil	0.056	5	
				Pyrimethanil	0.012	8	
				Thiabendazole	0.05	5	
			852325	None	0	0	
			852326	Imazalil	0.071	5	
			852328	Imazalil	0.05	5	
				Pyrimethanil	0.024	8	
	Pomelo	China	851720	Acetamiprid	0.01	0.9	
				Chlorpyrifos	0.05	0.3	
				Cypermethrin	0.054	2	
				Difenoconazole	0.015	0.6	
				Diflubenzuron	0.012	1	
				Imazalil	0.07	5	
				Myclobutanyl	0.027	3	
				Prochloraz	0.052	10	
	Satsuma	Peru	852027	Buprofezin	0.02	1	
				Imazalil	1.5	5	
				Ortho-Phenylphenol	5.2	5	MRL Breach
				Pyriproxyfen	0.017	0.6	
				Thiabendazole	1.4	5	
			852051	2,4-D	0.019	1	
				Fenazaquin	0.02	0.5	
				Imazalil	1.5	5	
				Imidacloprid	0.028	1	
				Ortho-Phenylphenol	4.32	5	
				Pyrimethanil	0.016	8	
				Thiabendazole	2.5	5	
			852057	2,4-D	0.036	1	
				Etiozole	0.014	0.1	
				Hexythiazox	0.015	1	
				Imazalil	2.5	5	
				Propiconazole	0.43	6	
				Pyrimethanil	2.5	8	
				Pyriproxyfen	0.017	0.6	
				Thiabendazole	2.7	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE	
POME FRUIT	Apples	South Africa	852084	2,4-D	0.12	1		
				Imazalil	3.2	5		
				Propiconazole	0.6	6		
				Pyrimethanil	4.1	8		
				Tebuconazole	0.052	3		
				Thiabendazole	2.5	5		
			851999	2,4-D	0.13	1		
				Carbendazim	0.025	0.7		
				Imazalil	1.9	5		
				Imidacloprid	0.026	1		
				Pyraclostrobin	0.06	1		
				Thiabendazole	1.4	5		
		Uruguay	852055	2,4-D	0.075	1		
				Azoxystrobin	0.015	15		
				Carbendazim	0.035	0.7		
				Imazalil	0.79	5		
				Ortho-Phenylphenol	0.078	5		
				Pyrimethanil	1.4	8		
			851958	Thiabendazole	1.4	5		
				2,4-D	0.048	1		
				Chlorpyrifos	0.033	2		
				Imazalil	1.8	5		
				Ortho-Phenylphenol	0.36	5		
				Phosmet	0.011	0.2		
		Argentina	851961	2,4-D	0.048	1		
				Chlorpyrifos	0.033	2		
				Imazalil	1.8	5		
				Ortho-Phenylphenol	0.36	5		
				Phosmet	0.011	0.2		
				Propiconazole	1.3	6		
			Brazil	851884	Pyrimethanil	3.3	8	
					Chlorantraniliprole	0.034	0.5	
					Thiabendazole	0.49	5	
				851946	Thiacloprid	0.023	0.3	
					Acetamiprid	0.034	0.8	
					Captan	0.042	3	
		MRL Breach	851970	851884	Dodine	0.019	0.9	
					Phosmet	0.037	0.5	
					Pyraclostrobin	0.01	0.5	
				851946	Difenoconazole	0.011	0.8	
Dithiocarbamates	0.396				5			
Phosmet	0.46				0.5			
851970	Pyraclostrobin		0.015	0.5				
	Trifloxystrobin		0.023	0.7				
	Difenoconazole		0.01	0.8				
	Fenitrothion		0.01	0.01				
	Phosmet		0.015	0.5				
	Pyraclostrobin		0.016	0.5				
852003	851970	Trifloxystrobin	0.022	0.7				
		Chlorothalonil	0.014	1				
		Chlorpyrifos	0.021	0.5				
	852032	Difenoconazole	0.013	0.8				
		Fenitrothion	0.017	0.01	MRL Breach			
		Phosmet	0.059	0.5				
852032	Trifloxystrobin	0.017	0.7					
	Captan	0.037	3					
	Carbendazim	0.022	0.2					
852032	Chlorpyrifos	0.016	0.5					



CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Dodine	0.01	0.9	
				Fenpropathrin	0.01	0.01	
				Phosmet	0.026	0.5	
				Pyraclostrobin	0.013	0.5	
				Trifloxystrobin	0.013	0.7	
			852033	Acetamiprid	0.11	0.8	
				Chlorantraniliprole	0.01	0.5	
				Trifloxystrobin	0.017	0.7	
			852053	Pyraclostrobin	0.037	0.5	
			852103	Carbendazim	0.024	0.2	
				Chlorpyrifos	0.039	0.01	MRL Breach
				Difenoconazole	0.018	0.8	
				Dodine	0.054	0.9	
				Fluazinam	0.026	0.05	
				Malathion	0.01	0.02	
				Phosmet	0.015	0.5	
				Pyrimethanil	0.01	15	
			852105	Difenoconazole	0.011	0.8	
				Phosmet	0.023	0.5	
				Pyraclostrobin	0.012	0.5	
				Trifloxystrobin	0.03	0.7	
			852111	Acetamiprid	0.029	0.8	
				Dithiocarbamates	2.15	5	
				Etofenprox	0.03	1	
				Fenitrothion	0.012	0.01	MRL Breach
				Fludioxonil	0.024	5	
				Phosmet	0.013	0.5	
				Pyraclostrobin	0.025	0.5	
				Trifloxystrobin	0.015	0.7	
			852126	Phosmet	0.039	0.5	
				Pyraclostrobin	0.021	0.5	
		Chile	852059	Acetamiprid	0.035	0.8	
				Imazalil	0.022	2	
				Pyrimethanil	1.7	15	
				Thiabendazole	0.022	5	
				Thiacloprid	0.031	0.3	
			852085	Acetamiprid	0.04	0.8	
				Fludioxonil	0.063	5	
				Pyrimethanil	0.29	15	
			852094	Acetamiprid	0.011	0.8	
				Imazalil	0.015	2	
				Pyrimethanil	0.033	15	
			852120	Diphenylamine	0.77	0.1	MRL Breach
				Pyrimethanil	1.3	15	
			852147	Fludioxonil	0.19	5	
				Iprodione	0.01	5	
				Pyrimethanil	1.4	15	
		France	851682	Boscalid	0.024	2	
				Fludioxonil	0.16	5	
			851684	Boscalid	0.15	2	
				Fludioxonil	0.12	5	
				Pyraclostrobin	0.084	0.5	
			851702	Boscalid	0.27	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Fludioxonil	0.42	5	
				Lambda-Cyhalothrin	0.017	0.1	
				Pyraclostrobin	0.15	0.5	
			851737	Captan	0.09	3	
				Fludioxonil	0.075	5	
				Imazalil	0.01	2	
				Ortho-Phenylphenol	0.021	0.05	
			851746	Boscalid	0.057	2	
				Captan	0.13	3	
				Pyraclostrobin	0.03	0.5	
			851757	Boscalid	0.012	2	
				Thiacloprid	0.021	0.3	
			851759	Boscalid	0.085	2	
				Fludioxonil	0.16	5	
				Pyraclostrobin	0.046	0.5	
			851775	Boscalid	0.042	2	
				Captan	0.08	3	
				Dodine	0.028	0.9	
				Fludioxonil	0.033	5	
				Pyraclostrobin	0.021	0.5	
				Thiacloprid	0.022	0.3	
			851790	Captan	0.061	3	
				Fludioxonil	0.036	5	
			851827	Fludioxonil	0.15	5	
			851828	Boscalid	0.023	2	
				Fludioxonil	0.04	5	
				Pyraclostrobin	0.018	0.5	
				Trifloxystrobin	0.011	0.7	
			851829	Captan	0.035	3	
				Chlorpyrifos	0.02	0.5	
			851835	None	0	0	
			851841	Fludioxonil	0.039	5	
			851914	Boscalid	0.041	2	
				Fludioxonil	0.093	5	
				Pyraclostrobin	0.02	0.5	
			851918	Boscalid	0.041	2	
				Chlorpyrifos	0.022	0.5	
				Pirimicarb	0.035	2	
				Pyraclostrobin	0.025	0.5	
			851947	Carbendazim	0.052	0.2	
				Difenoconazole	0.016	0.8	
				Fludioxonil	0.034	5	
				Thiophanate-Methyl	0.013	0.5	
			852104	Boscalid	0.043	2	
				Pyraclostrobin	0.029	0.5	
			852169	Acetamiprid	0.015	0.8	
			852196	Fenoxycarb	0.023	1	
			852308	Boscalid	0.01	2	
				Fludioxonil	0.03	5	
			852350	Boscalid	0.01	2	
				Fenhexamid	0.015	0.01	MRL Breach
		Germany	851724	Captan	0.1	3	
				Trifloxystrobin	0.018	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			851952	Trifloxystrobin	0.023	0.7	
		Ireland	852264	Boscalid	0.073	2	
				Pyraclostrobin	0.023	0.5	
			852268	Boscalid	0.021	2	
				Captan	0.024	3	
		Italy	851878	Captan	0.02	3	
				Dodine	0.024	0.9	
				Fludioxonil	0.076	5	
			851883	None	0	0	
			851922	None	0	0	
		New Zealand	852102	None	0	0	
			852116	Captan	0.35	3	
			852221	Captan	0.15	3	
				Proquinazid	0.01	0.02	
		Poland	851880	Captan	0.14	3	
				Dithiocarbamates	0.076	5	
				Fludioxonil	0.042	5	
				Hexythiazox	0.011	1	
				Methoxyfenozide	0.017	2	
		South Africa	851909	Pyrimethanil	1.1	15	
			852030	Acetamiprid	0.033	0.8	
				Chlorantraniliprole	0.015	0.5	
				Fludioxonil	0.16	5	
				Iprodione	0.035	5	
			852045	Fenazaquin	0.016	0.1	
			852091	Acetamiprid	0.021	0.8	
				Chlorantraniliprole	0.017	0.5	
				Pyrimethanil	1.7	15	
			852127	Fludioxonil	2.9	5	
			852248	Diphenylamine	0.12	0.1	MRL Breach
	Apples Cooking	Ireland	851993	Boscalid	0.13	2	
				Dithiocarbamates	0.13	5	
				Paclobutrazol	0.022	0.5	
				Pyraclostrobin	0.041	0.5	
				Pyrimethanil	0.01	15	
	Pear	Belgium	851710	Boscalid	0.15	2	
				Dithiocarbamates	0.14	5	
				Pyraclostrobin	0.11	0.5	
			851738	Boscalid	0.029	2	
				Captan	1.2	3	
				Cyprodinil	0.12	1.5	
				Difenoconazole	0.017	0.8	
				Fludioxonil	0.048	5	
				Imazalil	0.29	2	
				Pyrimethanil	0.41	15	
			851950	Cyprodinil	0.18	1.5	
				Fludioxonil	0.064	5	
			851957	Boscalid	0.07	2	
				Cyprodinil	0.11	1.5	
				Fludioxonil	0.049	5	
				Pyraclostrobin	0.045	0.5	
			852028	Boscalid	0.084	2	
				Chlorantraniliprole	0.015	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Pyraclostrobin	0.045	0.5	
				Thiabendazole	0.02	5	
			852205	Carbendazim	0.02	0.2	
				Difenoconazole	0.01	0.8	
				Dithiocarbamates	0.091	5	
			852249	Boscalid	0.023	2	
			852266	Boscalid	0.1	2	
				Captan	0.064	3	
				Pyraclostrobin	0.043	0.5	
			852294	Boscalid	0.02	2	
				Captan	0.24	3	
				Cyprodinil	0.04	1.5	
				Dithiocarbamates	0.057	5	
				Fludioxonil	0.031	5	
		China	852352	Imazalil	0.025	2	
		France	852170	None	0	0	
		Holland	851836	Chlorantraniliprole	0.01	0.5	
				Cyprodinil	0.069	1.5	
				Fludioxonil	0.063	5	
			852092	Imazalil	0.26	2	
				Pyrimethanil	0.48	15	
			852130	Cyprodinil	0.21	1.5	
				Fludioxonil	0.09	5	
				Imazalil	0.58	2	
				Pyrimethanil	0.54	15	
			852261	Boscalid	0.2	2	
				Captan	0.17	3	
				Fludioxonil	0.041	5	
				Pyraclostrobin	0.078	0.5	
				Spirodiclofen	0.019	0.8	
			852272	Boscalid	0.036	2	
				Captan	0.27	3	
				Cyprodinil	0.031	1.5	
				Fludioxonil	0.059	5	
				Pyraclostrobin	0.012	0.5	
			852305	Captan	0.27	3	
				Fludioxonil	0.025	5	
			852315	Boscalid	0.11	2	
				Pyraclostrobin	0.038	0.5	
		Italy	851718	None	0	0	
		New Zealand	851972	None	0	0	
		Portugal	851762	Diflubenzuron	0.11	5	
				Fenoxycarb	0.012	1	
				Fludioxonil	0.011	5	
				Imazalil	0.67	2	
				Phosmet	0.015	0.5	
				Thiacloprid	0.038	0.3	
				Thiamethoxam	0.013	0.6	
				Trifloxystrobin	0.027	0.5	
			852227	Fludioxonil	0.046	5	
				Fluopyram	0.071	0.5	
				Lambda-Cyhalothrin	0.017	0.1	
				Tebuconazole	0.014	0.3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Thiacloprid	0.03	0.3	
			852260	Lambda-Cyhalothrin	0.02	0.1	
			852271	Fludioxonil	0.045	5	
				Lambda-Cyhalothrin	0.017	0.1	
			852283	Boscalid	0.062	2	
				Fludioxonil	0.58	5	
				Imazalil	0.026	2	
				Iprodione	0.034	5	
				Pyrimethanil	0.01	15	
			852379	Fluopyram	0.021	0.5	
				Iprodione	0.034	5	
				Kresoxim-Methyl	0.01	0.2	
				Tebuconazole	0.069	0.3	
				Thiacloprid	0.051	0.3	
		South Africa	851830	Methoxyfenozide	0.13	2	
				Thiacloprid	0.033	0.3	
			851881	None	0	0	
			851951	Chlorantraniliprole	0.014	0.5	
				Dithiocarbamates	0.37	5	
			852108	Chlorantraniliprole	0.031	0.5	
				Thiacloprid	0.064	0.3	
STONE FRUIT	Cherry	Chile	851712	Acetamiprid	0.081	1.5	
				Fenhexamid	0.014	5	
				Fludioxonil	0.37	5	
				Iprodione	0.13	10	
				Tebuconazole	0.17	1	
	Nectarine	Spain	852056	Cyprodinil	0.01	2	
				Imazalil	0.017	0.02	
				Iprodione	0.2	3	
				Pyrimethanil	0.014	10	
				Tebuconazole	0.01	0.6	
				Thiabendazole	0.03	0.05	
			852131	Fenpropathrin	0.01	0.01	
				Fludioxonil	0.18	10	
				Imazalil	0.015	0.02	
				Iprodione	0.15	3	
				Lambda-Cyhalothrin	0.01	0.2	
			852140	Fenbuconazole	0.011	0.5	
	Peach	Italy	852192	Boscalid	0.013	3	
				Etofenprox	0.131	0.6	
				Tebuconazole	0.031	0.6	
		South Africa	851736	Fludioxonil	0.12	10	
			851846	Fludioxonil	0.57	10	
		Spain	851938	Fenhexamid	0.21	10	
				Fludioxonil	0.01	10	
				Iprodione	0.52	3	
				Tebuconazole	0.01	0.6	
			851944	Fenhexamid	0.019	5	
				Iprodione	0.2	3	
			851976	None	0	0	
			852062	None	0	0	
			852132	Fludioxonil	0.27	10	
				Iprodione	0.22	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE	
BERRIES AND SMALL FRUITS	Plum	Chile	852139	Lambda-Cyhalothrin	0.012	0.2		
				Fludioxonil	1.5	10		
				Phosmet	0.06	1		
				Tebuconazole	0.072	0.6		
			852207	Deltamethrin	0.023	0.1		
				Fenbuconazole	0.023	0.5		
				Fenvalerate	0.02	0.1		
				Cyprodinil	0.069	2		
			851845	Fludioxonil	0.014	5		
				Imazalil	0.01	0.05		
				851899	Acetamiprid	0.1	0.03	MRL Breach
				Cyprodinil	0.21	2		
			851937	Fludioxonil	0.034	5		
				Captan	0.019	1		
				Chlorantraniliprole	0.011	1		
				Pyrimethanil	0.012	2		
			851960	Tebuconazole	0.2	1		
				Fludioxonil	0.13	5		
				Iprodione	0.23	3		
				Spirodiclofen	0.01	2		
			851698	Iprodione	0.057	3		
				851708	Iprodione	0.78	3	
					Pyrimethanil	0.36	2	
				851826	Fludioxonil	0.072	5	
			Iprodione		0.033	3		
			851888	Azoxystrobin	0.064	2		
				852024	None	0	0	
			852138		Fludioxonil	0.081	5	
				852347	None	0	0	
			851796		Chile	Acetamiprid	0.098	0.5
				Cyprodinil		0.014	3	
			851886		Fenhexamid	0.72	15	
					Pyrimethanil	0.013	5	
			851886		Acetamiprid	0.27	0.5	
					Boscalid	0.86	5	
			852002		Cyprodinil	0.49	3	
					Fenhexamid	0.94	15	
			852002		Fludioxonil	0.2	5	
					Myclobutanyl	0.011	1	
			852002		Pyrimethanil	0.012	5	
Fenhexamid	1.6	15						
852002		Myclobutanyl	0.012	1				
		Spirodiclofen	0.027	2				
852054	Egypt	None	0	0				
		852081	Azoxystrobin	0.051	2			
852081		Boscalid	0.016	5				
		Difenoconazole	0.019	3				
852083		Azoxystrobin	0.038	2				
		Boscalid	0.022	5				
852083		Cyprodinil	0.13	3				
		Fenhexamid	0.11	15				
852083		Fludioxonil	0.081	5				
		Imidacloprid	0.028	1				

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
		India	851832	Iprodione	0.17	20	
				Chloromequat	0.01	0.05	
				Clothianidin	0.02	0.7	
				Fenpyroximate	0.011	0.3	
				Imidacloprid	0.011	1	
				Mandipropamid	0.027	2	
				Myclobutanyl	0.02	1	
				Tetraconazole	0.013	0.5	
			851910	Metalaxyl	0.052	2	
				Myclobutanyl	0.012	1	
				Tetraconazole	0.016	0.5	
			851939	Kresoxim-Methyl	0.31	1	
				Myclobutanyl	0.064	1	
				Tetraconazole	0.013	0.5	
			851948	Chloromequat	0.024	0.05	
				Imidacloprid	0.011	1	
				Myclobutanyl	0.01	1	
				Tetraconazole	0.023	0.5	
			851965	Buprofezin	0.033	1	
				Difenoconazole	0.01	3	
				Myclobutanyl	0.011	1	
				Spinosad	0.025	0.5	
		Peru	852313	Boscalid	0.05	5	
				Metalaxyl	0.04	2	
				Pyraclostrobin	0.023	1	
				Tebuconazole	0.057	2	
				Thiamethoxam	0.014	0.5	
				Trifloxystrobin	0.059	5	
		South Africa	851699	Ethephon	0.1	1	
				Fluopyram	0.28	1.5	
			851772	Imidacloprid	0.026	1	
				Iprodione	0.024	20	
				Metrafenone	0.019	7	
				Penconazole	0.014	0.2	
				Pyrimethanil	0.011	5	
			851791	Famoxadone	0.029	2	
			852378	Boscalid	0.03	5	
			852381	Boscalid	0.011	5	
				Fenhexamid	0.14	15	
				Fludioxonil	0.011	5	
		Spain	852128	Fenhexamid	0.016	15	
				Fludioxonil	0.025	5	
				Myclobutanyl	0.047	1	
				Spinosad	0.029	0.5	
				Spirotetramat	0.16	2	
				Trifloxystrobin	0.13	5	
			852144	Penconazole	0.018	0.2	
				Spinosad	0.035	0.5	
				Spirotetramat	0.04	2	
				Trifloxystrobin	0.11	5	
			852191	Deltamethrin	0.026	0.2	
				Ethephon	0.14	1	
				Metrafenone	0.067	7	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			852247	Chlorantraniliprole	0.014	1	
				Cyproconazole	0.027	0.2	
				Cyprodinil	0.017	3	
				Deltamethrin	0.055	0.2	
				Dicofol	0.028	0.02	MRL Breach
				Fenhexamid	0.28	15	
				Imidacloprid	0.011	1	
				Metrafenone	0.023	7	
				Penconazole	0.045	0.2	
				Trifloxystrobin	0.03	5	
			852348	Boscalid	0.24	5	
				Deltamethrin	0.032	0.2	
				Fenhexamid	0.7	15	
				Fluopyram	0.015	1.5	
				Spirotetramat	0.016	2	
				Trifloxystrobin	0.034	5	
			852377	Cyproconazole	0.089	0.2	
				Cyprodinil	1.1	3	
				Deltamethrin	0.14	0.2	
				Fenhexamid	0.11	15	
				Fludioxonil	0.58	5	
				Fluopyram	0.03	1.5	
				Metrafenone	0.1	7	
				Penconazole	0.092	0.2	
				Spirotetramat	0.013	2	
				Trifloxystrobin	0.11	5	
	Wine	United States	852312	Chlorantraniliprole	0.037	1	
		Argentina	852383	None	0	0	
		Australia	852368	None	0	0	
		Chile	852375	Fenhexamid	0.016	5	
			852382	Tebuconazole	0.087	2	
		France	852367	Imidacloprid	0.012	1	
			852371	None	0	0	
		Italy	852374	Metalaxyl	0.017	1	
				Pyrimethanil	0.011	5	
		New Zealand	852370	None	0	0	
		South Africa	852372	None	0	0	
		Spain	852369	None	0	0	
			852373	None	0	0	
			852376	None	0	0	
	Strawberry	Belgium	852220	Boscalid	0.19	10	
				Captan	0.2	3	
				Fenhexamid	0.33	5	
				Fluopyram	0.23	2	
				Kresoxim-Methyl	0.016	1	
				Pyraclostrobin	0.035	1.5	
				Trifloxystrobin	0.2	1	
			852277	Boscalid	0.17	10	
				Captan	0.012	3	
				Cyprodinil	0.38	5	
				Fludioxonil	0.19	4	
				Myclobutanyl	0.016	1	
				Pyraclostrobin	0.037	1.5	



CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Trifloxystrobin	0.061	1	
		Holland	851913	Boscalid	0.076	10	
				Pyraclostrobin	0.018	1.5	
			852061	Boscalid	0.1	10	
				Cyprodinil	0.028	5	
				Fludioxonil	0.021	4	
				Pyraclostrobin	0.011	1.5	
			852134	Boscalid	1.4	10	
				Fluopyram	0.73	2	
				Pyraclostrobin	0.34	1.5	
				Trifloxystrobin	0.43	1	
			852142	Boscalid	0.42	10	
				Cyprodinil	0.083	5	
				Deltamethrin	0.018	0.2	
				Fenhexamid	0.26	5	
				Fludioxonil	0.037	4	
				Fluopyram	0.074	2	
				Pyraclostrobin	0.088	1.5	
				Trifloxystrobin	0.036	1	
			852316	Fluopyram	0.061	2	
		Ireland	851992	Azoxystrobin	0.058	10	
				Boscalid	0.011	10	
				Cyprodinil	0.029	5	
				Fenhexamid	0.11	5	
				Fludioxonil	0.013	4	
				Myclobutanyl	0.068	1	
				Pirimicarb	0.045	3	
				Thiacloprid	0.082	1	
			851996	Azoxystrobin	0.031	10	
				Boscalid	0.13	10	
				Bupirimate	0.067	2	
				Fenhexamid	0.12	5	
				Iprodione	0.028	20	
				Piperonyl Butoxide	0.046	na	
				Pirimicarb	0.1	3	
				Pyraclostrobin	0.031	1.5	
				Pyrimethanil	0.036	5	
				Thiacloprid	0.061	1	
			852022	None	0	0	
			852048	Fenhexamid	0.23	5	
				Iprodione	0.086	20	
				Mepanipyrim	0.012	1.5	
			852082	Azoxystrobin	0.089	10	
				Boscalid	0.023	10	
				Bupirimate	0.29	2	
				Fenhexamid	0.2	5	
				Iprodione	0.018	20	
				Mepanipyrim	0.022	1.5	
				Myclobutanyl	0.056	1	
			852203	None	0	0	
			852274	Azoxystrobin	0.039	10	
				Iprodione	0.1	20	
				Kresoxim-Methyl	0.014	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Myclobutanyl	0.021	1	
				Pirimicarb	0.13	3	
				Pyrimethanil	0.15	5	
			852293	Boscalid	0.063	10	
				Fenhexamid	0.011	5	
				Iprodione	0.18	20	
				Kresoxim-Methyl	0.018	1	
				Pirimicarb	0.025	3	
				Pyraclostrobin	0.01	1.5	
				Pyrimethanil	0.13	5	
		Spain	851742	Myclobutanyl	0.012	1	
				Trifloxystrobin	0.1	1	
			851769	Etoazole	0.019	0.2	
				Ortho-Phenylphenol	0.014	0.05	
				Penconazole	0.11	0.5	
				Pyrimethanil	0.024	5	
				Trifloxystrobin	0.25	1	
			851795	Fluopyram	0.2	2	
				Flutriafol	0.012	0.5	
			851873	Fluopyram	0.03	0.1	
			851897	Bupirimate	0.021	2	
				Clofentezine	0.068	2	
				Fenpyroximate	0.11	1	
				Metalaxyl	0.058	0.5	
				Myclobutanyl	0.053	1	
	Raspberry	Morocco	851793	None	0	0	
		Portugal	851911	None	0	0	
		Spain	851770	None	0	0	
			851908	None	0	0	
	Blueberry	Chile	851707	Boscalid	0.13	10	
				Fenhexamid	0.078	15	
				Phosmet	0.023	10	
			851717	None	0	0	
			851780	None	0	0	
		Morocco	851912	None	0	0	
		Spain	851794	None	0	0	
			851980	None	0	0	
	Gooseberry	Ireland	852079	Boscalid	0.78	10	
				Cyprodinil	0.014	5	
				Fludioxonil	0.012	3	
				Imazalil	0.015	0.02	
				Kresoxim-Methyl	0.051	1	
				Myclobutanyl	0.049	1	
				Pyraclostrobin	0.18	3	
MISCELLANEOUS	Avocados	Chile	851849	Fludioxonil	0.013	0.05	
FRUIT		Mexico	851904	None	0	0	
			851963	None	0	0	
		Peru	852001	None	0	0	
		Spain	851739	None	0	0	
	Banana	Belize	851798	Azoxystrobin	0.33	2	
				Chlorpyrifos	0.012	3	
				Imazalil	0.52	2	
			851800	Azoxystrobin	0.74	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Pyrimethanil	0.016	0.1	
				Thiabendazole	1.3	5	
		Cameroon	851774	Imazalil	0.19	2	
			852146	Imazalil	0.21	2	
		Colombia	851966	Azoxystrobin	0.11	2	
				Myclobutanyl	0.12	2	
		Costa Rica	851874	Bifenthrin	0.065	0.1	
				Buprofezin	0.099	0.5	
				Imazalil	0.16	2	
				Pyrimethanil	0.01	0.1	
				Thiabendazole	0.13	5	
			851968	Bifenthrin	0.019	0.1	
				Fenpropimorph	0.014	2	
				Imazalil	0.54	2	
				Oxydemeton-Methyl	0.01	0.01	
				Thiabendazole	0.67	5	
			852145	Bifenthrin	0.032	0.1	
				Buprofezin	0.025	0.5	
				Imazalil	0.42	2	
				Thiabendazole	0.4	5	
		Dom Rep	851771	None	0	0	
			851799	None	0	0	
			852270	Imazalil	0.047	2	
				Pyrimethanil	0.017	0.1	
				Thiabendazole	0.085	5	
		Honduras	851801	Azoxystrobin	0.057	2	
				Chlorpyrifos	0.01	3	
				Imazalil	0.24	2	
		Panama	851802	Azoxystrobin	0.14	2	
				Imazalil	0.15	2	
	Dragon Fruit	Vietnam	851785	Carbendazim	0.31	0.1	MRL Breach
				Difenoconazole	0.01	0.1	
			851926	Difenoconazole	0.012	0.1	
	Figs	Brazil	851856	None	0	0	
	Kiwi	Chile	851859	None	0	0	
		Greece	852000	None	0	0	
		Italy	851743	Fenhexamid	0.15	15	
				Fludioxonil	0.16	15	
			851792	None	0	0	
			851854	None	0	0	
			851876	Fludioxonil	4.5	15	
			851907	Fludioxonil	3.2	15	
				Iprodione	0.17	5	
			851923	None	0	0	
		New Zealand	851945	None	0	0	
	Mangoes	Brazil	851704	Prochloraz	0.08	5	
				Thiabendazole	0.51	5	
			851784	Thiabendazole	0.1	5	
			851840	Prochloraz	0.36	5	
		Ivory Coast	851982	None	0	0	
		Puerto Rico	851964	Thiabendazole	0.16	5	
	Papaya	Equador	852259	Prochloraz	0.4	5	
	Passion Fruit	Colombia	851783	Azoxystrobin	0.015	4	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Flutriafol	0.014	0.05	
				Spiromesifen	0.012	1	
				Thiabendazole	0.011	0.05	
	Pineapples	Costa Rica	851954	None	0	0	
		South Africa	851858	None	0	0	
	Pomegranate	Chile	852099	Fludioxonil	0.37	3	
				Pyrimethanil	0.013	0.05	
				Thiabendazole	0.049	0.05	
		Egypt	852253	Imidacloprid	0.07	1	
		India	851857	None	0	0	
		Peru	852109	Fludioxonil	0.031	3	
		Spain	852245	Deltamethrin	0.015	0.05	
ROOT AND TUBER	Carrots	Ireland	851723	Boscalid	0.014	2	
VEGETABLES			851868	Boscalid	0.015	2	
				Fludioxonil	0.012	1	
		Israel	852029	Metalaxyl	0.012	0.1	
				Triadimenol	0.022	0.1	
		Italy	852098	Pyrimethanil	0.038	1	
		Spain	851745	Benzalkonium Chlorid	0.09	0.1	
			851807	Azoxystrobin	0.023	1	
			851863	Azoxystrobin	0.011	1	
				Boscalid	0.027	2	
			851870	Azoxystrobin	0.016	1	
				Difenoconazole	0.021	0.4	
				Linuron	0.025	0.2	
			851931	None	0	0	
			851985	Boscalid	0.017	2	
			851997	Azoxystrobin	0.027	1	
				Boscalid	0.025	2	
				Difenoconazole	0.041	0.4	
			852050	Linuron	0.011	0.2	
	Parsnips	Ireland	851722	Azoxystrobin	0.022	1	
				Boscalid	0.064	2	
				Cyprodinil	0.071	1.5	
				Fludioxonil	0.11	1	
				Pendimethalin	0.016	0.7	
			851867	Azoxystrobin	0.025	1	
				Boscalid	0.06	2	
				Cyprodinil	0.055	1.5	
				Fludioxonil	0.14	1	
			852295	Fludioxonil	0.01	1	
			852297	Azoxystrobin	0.013	1	
				Boscalid	0.021	2	
			852309	None	0	0	
		Spain	852074	None	0	0	
	Potatoes	Cyprus	852069	Chlorpropham	0.043	10	
		France	852290	None	0	0	
			852301	Chlorpropham	0.087	10	
		Ireland	851696	Imazalil	0.16	3	
			851756	Chlorpropham	1.7	10	
			851812	Chlorpropham	0.54	10	
				Imazalil	0.22	3	
			851865	Chlorpropham	0.099	10	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Imazalil	0.42	3	
			851934	Chlorpropham	0.46	10	
				Imazalil	0.15	3	
			851984	Chlorpropham	0.96	10	
				Dithiocarbamates	0.35	0.3	MRL Breach
				Imazalil	0.084	3	
			852117	None	0	0	
			852119	Chlorpropham	0.02	10	
			852189	None	0	0	
			852190	Azoxystrobin	0.01	7	
				Fluazinam	0.012	0.05	
			852238	None	0	0	
			852239	None	0	0	
			852273	None	0	0	
			852289	None	0	0	
			852299	None	0	0	
		Israel	852070	Chlorpropham	0.056	10	
		UK	852118	Pencycuron	0.011	0.1	
			852276	None	0	0	
	Radishes	Morocco	851781	Metalaxyl	0.017	0.1	
	Swedes	Ireland	851872	None	0	0	
			852076	Chlorpyrifos	0.01	0.05	
			852115	Chlorpyrifos	0.011	0.05	
				HCH	0.01	0.01	
				Propamocarb	0.014	0.01	MRL Breach
		UK	852287	None	0	0	
	Sweet Potatoes	Honduras	852064	None	0	0	
			852252	Fludioxonil	0.1	10	
		United States	851755	Fludioxonil	0.22	10	
			851862	Fludioxonil	0.2	10	
				Thiabendazole	0.36	15	
			851924	None	0	0	
			851990	Fludioxonil	0.48	10	
				Thiabendazole	0.69	15	
			852100	Fludioxonil	0.017	10	
				Thiabendazole	0.034	15	
	Turnips	Ireland	852122	None	0	0	
			852257	None	0	0	
	Ginger	China	851983	Chlorpyrifos	0.019	1	
			852089	Imidacloprid	0.088	0.05	MRL Breach
				Pyrimethanil	0.018	0.1	
				Thiabendazole	0.011	0.1	
FRUITING	Aubergines	Belgium	852254	Boscalid	0.01	1	
VEGETABLES		Holland	852035	None	0	0	
			852071	Chlorantraniliprole	0.01	0.6	
			852113	None	0	0	
			852171	Chlorantraniliprole	0.011	0.6	
			852215	Propamocarb	0.028	10	
		Spain	851691	Pyrimethanil	0.17	1	
			851761	Cyprodinil	0.018	1	
				Fenhexamid	0.013	1	
			851805	Azoxystrobin	0.044	3	
				Chlorothalonil	0.017	6	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Tebuconazole	0.032	0.4	
			852214	None	0	0	
			852224	Fluopyram	0.043	2	
	Pepper	Belgium	852255	Chlorantraniliprole	0.012	1	
		Holland	852183	Spinosad	0.01	2	
			852184	None	0	0	
			852201	None	0	0	
			852202	None	0	0	
			852213	Indoxacarb	0.038	0.3	
				Spinosad	0.013	2	
			852240	Indoxacarb	0.23	0.3	
		Ireland	852038	None	0	0	
			852080	None	0	0	
		Spain	851686	None	0	0	
			851725	Chlorantraniliprole	0.025	1	
				Cyprodinil	0.025	1.5	
				Fludioxonil	0.1	1	
				Flutriafol	0.21	1	
				Pymetrozine	0.048	3	
			851754	Cyprodinil	0.014	1.5	
				Fludioxonil	0.05	1	
				Flutriafol	0.097	1	
			851806	Cyprodinil	0.011	1.5	
				Fludioxonil	0.098	1	
				Pyriproxyfen	0.14	1	
				Spiromesifen	0.044	0.5	
			851843	Imazalil	0.013	0.05	
				Metrafenone	0.017	2	
			851861	Boscalid	0.032	3	
				Fluopyram	0.042	0.8	
				Metrafenone	0.093	2	
				Spinosad	0.01	2	
				Triadimenol	0.034	1	
			852265	None	0	0	
			852302	Flubendiamide	0.035	0.2	
			852306	Indoxacarb	0.02	0.3	
			852307	Chlorantraniliprole	0.01	1	
				Fluopyram	0.073	0.8	
				Indoxacarb	0.024	0.3	
	Tomato	Holland	852185	Fluopyram	0.043	0.9	
			852200	Fluopyram	0.12	0.9	
				Spiromesifen	0.01	1	
		Ireland	851975	None	0	0	
			852005	None	0	0	
			852193	Fluopyram	0.14	0.9	
			852198	Fluopyram	0.1	0.9	
			852219	Dimethomorph	0.14	1	
				Dithiocarbamates	0.082	3	
				Ethephon	0.1	1	
				Fluopyram	0.046	0.9	
			852251	Fluopyram	0.05	0.9	
		Italy	851885	None	0	0	
		Morocco	851753	Azoxystrobin	0.01	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Boscalid	0.042	3	
				Famoxadone	0.014	2	
				Iprodione	0.12	5	
				Pyraclostrobin	0.017	0.3	
				Spiromesifen	0.01	1	
				Tau-Fluvalinate	0.011	0.1	
				Thiacloprid	0.049	0.5	
				Thiophanate-Methyl	0.019	1	
			851811	Azoxystrobin	0.022	3	
				Boscalid	0.043	3	
				Buprofezin	0.056	1	
				Dimethomorph	0.058	1	
				Dithiocarbamates	0.058	3	
				Famoxadone	0.017	2	
				Iprodione	0.072	5	
				Pyraclostrobin	0.056	0.3	
				Thiacloprid	0.032	0.5	
		Spain	851687	Chlorothalonil	0.015	6	
				Difenoconazole	0.022	2	
				Dithiocarbamates	0.05	3	
				Pyriproxyfen	0.13	1	
				Spiromesifen	0.033	1	
			851703	Boscalid	0.015	3	
				Chlorothalonil	0.33	6	
				Cyprodinil	0.044	1.5	
				Dithiocarbamates	0.065	3	
				Fludioxonil	0.012	3	
				Iprodione	0.036	5	
				Metrafenone	0.011	0.4	
				Tebuconazole	0.028	0.9	
			851760	Iprodione	0.087	5	
				Spinosad	0.014	1	
				Spiromesifen	0.032	1	
				Tebuconazole	0.034	0.9	
				Triadimenol	0.019	0.3	
			851919	Chlorothalonil	0.059	6	
			851953	Chlorantraniliprole	0.013	0.6	
				Chlorothalonil	0.013	6	
				Pyriproxyfen	0.016	1	
			851971	Cyromazine	0.1	0.6	
				Flubendiamide	0.032	0.2	
				Spiromesifen	0.087	1	
			852217	Spiromesifen	0.025	1	
	Courgettes	Spain	851689	Acetamiprid	0.025	0.3	
				Imidacloprid	0.066	1	
				Propamocarb	0.013	5	
			851860	1-Naphthylacetamide	0.013	0.05	
				Imidacloprid	0.049	1	
				Metrafenone	0.026	0.15	
				Propamocarb	0.022	5	
			851932	Imidacloprid	0.14	1	
			852047	1-Naphthylacetamide	0.01	0.05	
				Acetamiprid	0.022	0.3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE		
BRASSICA VEGETABLES	Cucumbers	Holland	852173	Imazalil	0.01	0.2			
				Fluopyram	0.025	0.5			
				Propamocarb	0.151	5			
				Pymetrozine	0.01	0.5			
				None	0	0			
		Ireland	851989	Propamocarb	0.013	5			
				None	0	0			
		Spain	851683	Cyazofamid	0.032	0.2			
				Cyprodinil	0.067	0.5			
				Fludioxonil	0.025	0.4			
	Flutriafol			0.014	0.05				
	Metrafenone			0.016	0.15				
	851837			Cyprodinil	0.012	0.5			
	Propamocarb			0.1	5				
	852097			None	0	0			
	852288			Fenpropimorph	0.011	0.05			
	Summer Squash			Brazil	852101	None	0	0	
		Spain	852188			Triadimenol	0.013	0.2	
	Melons	Honduras	851879	Imazalil	0.59	2			
	Sweet Corn	Spain	852075	None	0	0			
	Watermelons	Brazil	851734	Ortho-Phenylphenol	0.011	0.05			
				Honduras	851927	Buprofezin	0.012	0.5	
	Winter Squash	Portugal	851694	Imazalil	0.15	2			
				Azoxystrobin	0.014	1			
	Broccoli	Ireland	852187	None	0	0			
				852226	None	0	0		
				852244	None	0	0		
				Kenya	852034	None	0	0	
				Spain	851692	Fluazifop Free Acid	0.33	0.2	MRL Breach
		851727	Fluopicolide	0.018	2				
			Propamocarb	0.066	3				
			851749	Imidacloprid	0.011	0.5			
			Metalaxyl	0.016	0.2				
			851930	None	0	0			
	Cauliflower	France	851716	None	0	0			
				851847	None	0	0		
				851962	None	0	0		
				Holland	852304	None	0	0	
				Ireland	852186	None	0	0	
		Spain	852284	None	0	0			
851695				None	0	0			
Brussels Sprouts				Morocco	851987	Metamitron	0.013	0.1	
Head Cabbage				Ireland	851929	None	0	0	
					851994	Fluopicolide	0.014	0.2	
	Metalaxyl	0.043	1						
Spain	851995	Propamocarb	0.087	0.7					
		None	0	0					
		852204	None	0	0				
		852242	Cypermethrin	0.017	1				
		Thiamethoxam	0.012	5					
		851685	None	0	0				
		851751	Azoxystrobin	0.14	5				
		Chlorantraniliprole	0.048	2					



CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Thiamethoxam	0.047		5
			851758	None	0		0
			851839	None	0		0
			851853	None	0		0
			851917	Chlorothalonil	0.046		3
				Metalaxyl	0.018		1
				Pirimicarb	0.21		1
				Pirimicarb Desmethyl	0.21		1
				Spinosad	0.26		2
			851988	Etofenprox	0.014		2
				Imidacloprid	0.011		0.5
	Chinese Cabbage	Spain	851925	None	0		0
	Kale	Ireland	851765	Azoxystrobin	0.096		5
				Difenoconazole	0.12		2
			851838	Difenoconazole	0.067		2
			852031	None	0		0
			852256	None	0		0
		Spain	851889	Metalaxyl	0.024		0.2
			851933	Chlorpyrifos	0.011		0.05
				Fluopicolide	0.013		2
				Imidacloprid	0.17		0.3
				Pendimethalin	0.088		0.5
		UK	851714	None	0		0
			851779	None	0		0
LEAFY VEGETABLES AND HERBS	Endive	Spain	851893	Fenhexamid	9.6		30
				Fluopicolide	0.032		1.5
				Lambda-Cyhalothrin	0.01		1
				Propamocarb	0.076		10
				Spirotetramat	0.21		7
	Lettuce	Holland	852090	Pyrimethanil	0.01		20
				Thiamethoxam	0.022		5
		Ireland	851709	Boscalid	0.36		30
				Cyprodinil	0.032		15
				Pyraclostrobin	0.084		2
			851869	Cypermethrin	0.1		2
				Fludioxonil	0.01		15
				Spirotetramat	0.17		7
			851935	None	0		0
			851974	Azoxystrobin	0.028		15
				Boscalid	0.11		30
				Propyzamide	0.039		0.6
			852037	Acetamiprid	0.031		3
				Boscalid	0.012		30
				Piperonyl Butoxide	0.015		na
				Pirimicarb Desmethyl	0.014		5
			852040	Propamocarb	0.039		30
			852112	None	0		0
			852114	None	0		0
		Italy	851891	Boscalid	0.087		40
				Chlorantraniliprole	0.33		20
		Spain	851719	Dimethomorph	0.012		10
				Imidacloprid	0.023		2
			851721	Imidacloprid	0.016		2

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Metalaxyl	0.01	3	
			851750	Chlorantraniliprole	0.12	20	
				Mandipropamid	0.089	25	
				Propamocarb	0.035	20	
			851808	Azoxystrobin	0.011	15	
			851809	Boscalid	0.038	30	
				Cyprodinil	0.024	15	
				Imidacloprid	0.03	2	
				Thiamethoxam	0.011	5	
			851866	Fludioxonil	0.038	15	
				Imidacloprid	0.018	2	
			851916	None	0	0	
			851942	None	0	0	
			851955	Imidacloprid	0.01	2	
	Rocket	Italy	851693	Acetamiprid	0.18	3	
				Boscalid	0.18	30	
				Pyraclostrobin	0.015	10	
			851890	Boscalid	0.58	30	
				Pyraclostrobin	0.035	10	
	Chard	Ireland	852039	Propamocarb	0.038	10	
		Spain	851896	Cyprodinil	0.012	15	
	Spinach	Italy	851979	None	0	0	
			852044	None	0	0	
		Spain	851895	Boscalid	0.62	30	
				Cypermethrin	0.036	0.7	
				Lambda-Cyhalothrin	0.067	0.5	
			852303	Boscalid	0.077	30	
				Chlorantraniliprole	0.014	20	
				Deltamethrin	0.026	0.5	
				Indoxacarb	0.099	2	
	Water Cress	Spain	851892	None	0	0	
	Coriander Leaves	Spain	852041	Boscalid	0.016	10	
				Chlorantraniliprole	0.02	0.02	
				Iprodione	0.023	10	
				Lambda-Cyhalothrin	0.033	1	
				Linuron	0.029	1	
				Pirimicarb	0.24	5	
	Mint	Tanzania	852043	Chlorantraniliprole	0.057	20	
				Imidacloprid	0.018	2	
				Methiocarb-Sulfoxide	0.043	1	
	Parsley	Spain	852042	Chlorpyrifos	0.011	0.05	
				Deltamethrin	0.014	0.5	
				Difenoconazole	0.019	10	
				Linuron	0.016	1	
LEGUME	Beans with Pods	Kenya	851941	Bac 12	0.17	0.1	MRL Breach
VEGETABLES				Bac 14	0.077	0.1	
				Bac 16	0.016	0.1	
			851747	Azoxystrobin	0.028	3	
				Benzalkonium Chlorid	0.096	0.1	
				Cypermethrin	0.078	0.7	
			852065	Imidacloprid	0.048	2	
			852123	Azoxystrobin	0.014	3	
			852223	Deltamethrin	0.015	0.2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
		Morocco	852106	None	0	0	
		Tanzania	852298	Fenpropathrin	0.16	0.01	MRL Breach
				Lambda-Cyhalothrin	0.16	0.2	
	Peas with Pods	India	851726	None	0	0	
		Egypt	851748	None	0	0	
		Guatemala	851940	Azoxystrobin	0.01	3	
				Chlorothalonil	0.032	2	
			851956	Azoxystrobin	0.017	3	
				Chlorothalonil	0.081	5	
		Kenya	852066	Azoxystrobin	0.011	3	
				Omethoate	0.01	0.02	
		Peru	852222	None	0	0	
		Zimbabwe	852036	None	0	0	
			852067	None	0	0	
			852107	Deltamethrin	0.012	0.2	
	Peas without Pods	Unknown	852212	None	0	0	
			852278	None	0	0	
			852279	Azoxystrobin	0.012	3	
				Boscalid	0.063	3	
			852280	None	0	0	
			852281	None	0	0	
			852356	Azoxystrobin	0.041	3	
			852357	None	0	0	
			852358	None	0	0	
			852359	None	0	0	
			852360	Azoxystrobin	0.041	3	
	Soya Beans	Unknown	852282	None	0	0	
STEM AND BULB VEGETABLES	Asparagus	Italy	851981	Cypermethrin	0.032	0.1	
				Linuron	0.01	0.05	
		Mexico	851928	None	0	0	
	Celery	Spain	851690	Difenoconazole	0.032	5	
				Imidacloprid	0.035	2	
			851711	Chlorothalonil	0.017	10	
			851782	None	0	0	
			851810	Chlorothalonil	0.011	10	
				Difenoconazole	0.034	5	
			851834	Azoxystrobin	0.032	15	
				Chlorothalonil	0.064	10	
				Cypermethrin	0.024	0.05	
				Dieldrin	0.01	0.01	
				Difenoconazole	0.027	5	
				Imidacloprid	0.015	2	
				Linuron	0.011	0.1	
			851864	None	0	0	
			851905	Difenoconazole	0.012	5	
			851973	Difenoconazole	0.011	5	
				Linuron	0.014	0.1	
			851978	None	0	0	
	Fennel	Italy	851855	Cyprodinil	0.061	0.2	
			851915	None	0	0	
		Spain	851752	None	0	0	
	Leek	France	852073	Azoxystrobin	0.021	10	
				Boscalid	0.018	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
				Dithiocarbamates	0.13	3	
		Holland	851852	None	0	0	
			852026	Dithiocarbamates	0.13	3	
				Tebuconazole	0.01	0.6	
			852141	Azoxystrobin	0.012	10	
				Difenoconazole	0.013	0.5	
				Dithiocarbamates	0.08	3	
		Ireland	851936	Chlorothalonil	0.022	40	
			852121	Dithiocarbamates	0.06	3	
				Tebuconazole	0.056	0.6	
				Trifloxystrobin	0.016	0.2	
			852216	Dithiocarbamates	0.094	3	
			852243	None	0	0	
			852267	Azoxystrobin	0.034	10	
				Fenpropimorph	0.032	1	
			852285	Dithiocarbamates	0.093	3	
				Tebuconazole	0.01	0.6	
			852286	Dithiocarbamates	0.07	3	
			852296	Dithiocarbamates	0.21	3	
		Spain	851778	None	0	0	
	Spring Onions	Ireland	852172	Dimethomorph	0.022	0.3	
FUNGI	Cultivated	Holland	852258	None	0	0	
	Mushroom	Ireland	851777	Prochloraz	0.026	3	
			851894	None	0	0	
			852225	Chlormequat	0.016	10	
				Mepiquat	0.022	0.05	
			852230	Chlormequat	0.013	10	
				Prochloraz	0.066	3	
			852231	Chlormequat	0.02	10	
				Mepiquat	0.01	0.05	
				Prochloraz	0.01	3	
			852275	Chlormequat	0.015	10	
				Mepiquat	0.01	0.05	
			852300	Chlormequat	0.013	10	
				Mepiquat	0.013	0.05	
		UK	851991	Mepiquat	0.029	0.05	
				Prochloraz	0.011	3	
CEREAL	Barley	Ireland	851813	None	0	0	
			851814	None	0	0	
			851815	None	0	0	
			851816	Cyprodinil	0.01	3	
			851817	None	0	0	
			851818	Cyprodinil	0.026	3	
			851819	None	0	0	
			851820	None	0	0	
			851821	None	0	0	
			852148	Epoxiconazole	0.015	1.5	
				Fluxapyroxad	0.027	2	
				Pyraclastrobin	0.017	1	
			852149	Chlorothalonil	0.038	0.3	
			852150	Chlorothalonil	0.011	0.3	
			852151	Bixafen	0.015	0.5	
			852152	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			852153	Cyprodinil	0.13	3	
			852154	None	0	0	
			852155	Chlorothalonil	0.013	0.3	
			852156	Chlorpyrifos	0.013	0.2	
			852157	Chlorpyrifos	0.012	0.2	
			852158	None	0	0	
	Oats	Ireland	852208	Pyraclostrobin	0.01	1	
			852209	None	0	0	
			852210	None	0	0	
	Rye	Denmark	852211	Deltamethrin	0.028	2	
				Piperonyl Butoxide	0.26	na	
		UK	852229	Deltamethrin	0.13	2	
				Piperonyl Butoxide	1.2	na	
	Rye Flour	UK	852228	Piperonyl Butoxide	0.011	na	
	Wheat	France	852235	Deltamethrin	0.16	2	
				Piperonyl Butoxide	0.86	na	
		Germany	852236	None	0	0	
		Ireland	852159	Glyphosate	0.14	10	
			852160	None	0	0	
			852161	None	0	0	
			852162	None	0	0	
			852163	Chlormequat	0.084	2	
				Glyphosate	0.41	10	
			852164	Azoxystrobin	0.014	0.3	
				Glyphosate	0.51	10	
			852165	None	0	0	
			852166	None	0	0	
			852167	Glyphosate	0.4	10	
			852168	None	0	0	
			852174	None	0	0	
			852175	None	0	0	
			852176	None	0	0	
			852177	Mepiquat	0.2	3	
			852178	Glyphosate	1.7	10	
			852179	Azoxystrobin	0.01	0.3	
				Tebuconazole	0.011	0.1	
			852180	None	0	0	
			852181	Piperonyl Butoxide	0.012	na	
			852182	Chlormequat	0.013	2	
			852234	Piperonyl Butoxide	0.025	na	
		UK	852233	Cypermethrin	0.085	2	
				Piperonyl Butoxide	0.23	na	
			852237	Cypermethrin	0.079	2	
				Piperonyl Butoxide	0.19	na	
FOOD OF ANIMAL ORIGIN	Bovine Fat	Ireland	801975	None	0	0	
			801979	None	0	0	
			801980	None	0	0	
			801985	None	0	0	
			801986	None	0	0	
			801987	None	0	0	
			801988	None	0	0	
			801995	Cypermethrin	0.038	2	
			801996	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802001	None	0	0	
			802002	None	0	0	
			802003	None	0	0	
			802005	None	0	0	
			802007	None	0	0	
			802015	None	0	0	
			802038	None	0	0	
			802039	Permethrin	0.045	0.05	
			802040	None	0	0	
			802048	Ortho-Phenylphenol	0.005	0.05	
				Permethrin	0.028	0.05	
			802050	None	0	0	
			802051	None	0	0	
			802054	None	0	0	
			802055	None	0	0	
			802074	None	0	0	
			802086	Cypermethrin	0.023	2	
			802088	None	0	0	
			802089	None	0	0	
			802092	Cypermethrin	0.016	2	
			802099	None	0	0	
			802100	None	0	0	
			802101	None	0	0	
			802104	None	0	0	
			802107	None	0	0	
			802113	None	0	0	
			802115	None	0	0	
			802116	None	0	0	
			802121	None	0	0	
			802122	None	0	0	
			802127	None	0	0	
			802128	None	0	0	
			802133	None	0	0	
			802134	None	0	0	
			802139	None	0	0	
			802151	None	0	0	
			802152	None	0	0	
			802155	None	0	0	
			802159	None	0	0	
			802160	None	0	0	
			802161	None	0	0	
			802162	None	0	0	
			802163	None	0	0	
			802166	None	0	0	
			802167	None	0	0	
			802170	None	0	0	
			802171	None	0	0	
			802172	None	0	0	
			802173	None	0	0	
			802178	None	0	0	
			802179	None	0	0	
			802189	None	0	0	
			802198	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802200	None	0	0	
			802204	None	0	0	
			802205	None	0	0	
			802208	None	0	0	
			802224	None	0	0	
			802227	None	0	0	
			802240	None	0	0	
			802243	None	0	0	
			802244	None	0	0	
			802245	None	0	0	
			802262	None	0	0	
			802263	None	0	0	
			802265	None	0	0	
			802266	None	0	0	
			802267	None	0	0	
			802270	None	0	0	
			802278	None	0	0	
			802279	None	0	0	
			802282	None	0	0	
			802283	None	0	0	
			802287	None	0	0	
			802288	None	0	0	
			802289	None	0	0	
			802290	None	0	0	
			802310	None	0	0	
			802323	None	0	0	
			802324	None	0	0	
			802325	None	0	0	
			802326	None	0	0	
			802331	None	0	0	
			802332	None	0	0	
			802336	None	0	0	
			802338	None	0	0	
			802339	None	0	0	
			802355	None	0	0	
			802361	None	0	0	
			802362	None	0	0	
			802363	None	0	0	
			802367	None	0	0	
			802368	None	0	0	
			802369	None	0	0	
			802370	None	0	0	
			802375	None	0	0	
			802379	None	0	0	
			802380	None	0	0	
			802381	None	0	0	
			802382	None	0	0	
			802383	None	0	0	
			802386	None	0	0	
			802388	None	0	0	
			802402	None	0	0	
			802417	None	0	0	
			802418	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802419	None	0	0	
			802420	None	0	0	
			802421	None	0	0	
			802423	None	0	0	
			802424	None	0	0	
			802426	None	0	0	
	Cervine Fat	Ireland	802215	None	0	0	
			802249	None	0	0	
			802250	None	0	0	
			802251	None	0	0	
			802252	None	0	0	
			802253	None	0	0	
			802254	None	0	0	
			802255	None	0	0	
			802256	None	0	0	
			802257	None	0	0	
			802258	None	0	0	
			802378	None	0	0	
	Equine Fat	Ireland	801974	None	0	0	
			802132	None	0	0	
			802135	None	0	0	
			802158	None	0	0	
			802216	None	0	0	
			802217	None	0	0	
			802405	None	0	0	
			802406	None	0	0	
	Ovine Fat	Ireland	801976	None	0	0	
			801977	None	0	0	
			801978	None	0	0	
			801994	Hexachlorobenzene	0.007	0.2	
			801997	None	0	0	
			802000	None	0	0	
			802004	None	0	0	
			802011	Diazinon	0.078	0.7	
			802012	None	0	0	
			802013	Hexachlorobenzene	0.006	0.2	
			802014	None	0	0	
			802049	None	0	0	
			802053	None	0	0	
			802058	None	0	0	
			802059	None	0	0	
			802060	Diazinon	0.018	0.7	
			802061	None	0	0	
			802075	None	0	0	
			802076	None	0	0	
			802077	None	0	0	
			802078	None	0	0	
			802079	None	0	0	
			802080	None	0	0	
			802081	None	0	0	
			802082	None	0	0	
			802083	Ppdde	0.006	1	
			802084	Ppdde	0.007	1	



CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802085	None	0	0	
			802087	None	0	0	
			802098	None	0	0	
			802136	None	0	0	
			802137	None	0	0	
			802138	None	0	0	
			802140	None	0	0	
			802141	None	0	0	
			802142	None	0	0	
			802149	None	0	0	
			802153	None	0	0	
			802154	None	0	0	
			802156	None	0	0	
			802157	None	0	0	
			802165	None	0	0	
			802168	None	0	0	
			802169	None	0	0	
			802177	None	0	0	
			802180	None	0	0	
			802181	None	0	0	
			802191	None	0	0	
			802192	None	0	0	
			802195	None	0	0	
			802196	None	0	0	
			802197	None	0	0	
			802201	None	0	0	
			802209	None	0	0	
			802210	None	0	0	
			802225	None	0	0	
			802226	None	0	0	
			802237	None	0	0	
			802271	None	0	0	
			802272	None	0	0	
			802273	Diazinon	0.097	0.7	
			802274	None	0	0	
			802275	Diazinon	0.022	0.7	
			802276	None	0	0	
			802277	None	0	0	
			802280	Diazinon	0.014	0.7	
			802281	None	0	0	
			802291	None	0	0	
			802292	None	0	0	
			802293	None	0	0	
			802333	None	0	0	
			802334	None	0	0	
			802335	None	0	0	
			802346	None	0	0	
			802347	None	0	0	
			802348	None	0	0	
			802376	None	0	0	
			802384	None	0	0	
			802385	None	0	0	
			802387	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802389	None	0	0	
			802390	None	0	0	
			802391	None	0	0	
			802392	None	0	0	
			802393	None	0	0	
			802425	None	0	0	
	Porcine Fat	Ireland	801982	None	0	0	
			801983	None	0	0	
			801984	None	0	0	
			801998	None	0	0	
			801999	None	0	0	
			802006	None	0	0	
			802008	None	0	0	
			802009	None	0	0	
			802010	None	0	0	
			802031	None	0	0	
			802032	None	0	0	
			802093	None	0	0	
			802094	None	0	0	
			802095	None	0	0	
			802096	None	0	0	
			802097	None	0	0	
			802102	None	0	0	
			802103	None	0	0	
			802118	None	0	0	
			802119	None	0	0	
			802120	None	0	0	
			802123	None	0	0	
			802150	None	0	0	
			802164	None	0	0	
			802174	None	0	0	
			802175	None	0	0	
			802176	None	0	0	
			802184	None	0	0	
			802185	None	0	0	
			802186	None	0	0	
			802187	None	0	0	
			802188	None	0	0	
			802199	None	0	0	
			802206	None	0	0	
			802207	None	0	0	
			802211	None	0	0	
			802212	None	0	0	
			802213	None	0	0	
			802228	None	0	0	
			802229	None	0	0	
			802230	None	0	0	
			802259	None	0	0	
			802260	None	0	0	
			802261	None	0	0	
			802264	None	0	0	
			802284	None	0	0	
			802285	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802286	None	0	0	
			802371	None	0	0	
			802372	None	0	0	
			802373	None	0	0	
			802374	None	0	0	
			802394	None	0	0	
			802395	None	0	0	
			802396	None	0	0	
			802397	None	0	0	
			802398	None	0	0	
			802399	None	0	0	
			802400	None	0	0	
			802401	None	0	0	
	Poultry Fat	Ireland	801973	Ortho-Phenylphenol	0.008	0.05	
			801981	None	0	0	
			802016	None	0	0	
			802045	None	0	0	
			802046	None	0	0	
			802047	None	0	0	
			802090	None	0	0	
			802091	None	0	0	
			802126	None	0	0	
			802182	None	0	0	
			802183	None	0	0	
			802190	None	0	0	
			802193	None	0	0	
			802194	None	0	0	
			802214	None	0	0	
			802268	Dieldrin	0.008	0.2	
			802269	None	0	0	
			802337	None	0	0	
			802377	None	0	0	
			802403	None	0	0	
			802404	None	0	0	
			802422	None	0	0	
			802427	None	0	0	
			802428	None	0	0	
			802429	None	0	0	
	Chicken Egg	Ireland	802037	None	0	0	
			802041	None	0	0	
			802043	None	0	0	
			802044	None	0	0	
			802105	None	0	0	
			802106	None	0	0	
			802117	None	0	0	
			802239	None	0	0	
			802359	None	0	0	
			802364	None	0	0	
			802365	None	0	0	
	Cows Milk	Ireland	802017	None	0	0	
			802018	None	0	0	
			802019	None	0	0	
			802025	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802026	None	0	0	
			802027	None	0	0	
			802028	None	0	0	
			802029	None	0	0	
			802030	None	0	0	
			802033	None	0	0	
			802034	None	0	0	
			802035	None	0	0	
			802036	None	0	0	
			802042	None	0	0	
			802056	None	0	0	
			802057	None	0	0	
			802108	None	0	0	
			802109	None	0	0	
			802110	None	0	0	
			802111	None	0	0	
			802112	None	0	0	
			802114	None	0	0	
			802124	None	0	0	
			802125	None	0	0	
			802129	None	0	0	
			802130	None	0	0	
			802131	None	0	0	
			802143	None	0	0	
			802144	None	0	0	
			802145	None	0	0	
			802146	None	0	0	
			802147	None	0	0	
			802148	None	0	0	
			802219	None	0	0	
			802220	None	0	0	
			802221	None	0	0	
			802222	None	0	0	
			802223	None	0	0	
			802231	None	0	0	
			802232	None	0	0	
			802234	2,4-D	0.29	0.01	MRL Breach
				MCPA	0.39	0.05	MRL Breach
				Mecoprop	0.35	0.05	MRL Breach
			802235	None	0	0	
			802236	None	0	0	
			802238	None	0	0	
			802241	None	0	0	
			802242	None	0	0	
			802246	None	0	0	
			802247	None	0	0	
			802248	None	0	0	
			802340	None	0	0	
			802341	None	0	0	
			802342	None	0	0	
			802343	None	0	0	
			802344	None	0	0	
			802345	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802349	None	0	0	
			802350	None	0	0	
			802351	None	0	0	
			802352	None	0	0	
			802353	None	0	0	
			802354	None	0	0	
			802356	None	0	0	
			802357	None	0	0	
			802358	None	0	0	
			802360	None	0	0	
			802366	None	0	0	
	Goats Milk	Ireland	802218	None	0	0	
			802233	None	0	0	
	Honey	Ireland	802407	None	0	0	
			802408	None	0	0	
			802409	None	0	0	
			802410	None	0	0	
			802411	None	0	0	
			802412	None	0	0	
			802413	None	0	0	
			802414	None	0	0	
			802415	None	0	0	
			802416	None	0	0	
		Unknown	802202	None	0	0	
			802203	None	0	0	
BABYFOOD	Cereal Baby Food	Unknown	852389	None	0	0	
			852390	None	0	0	
			852391	None	0	0	
			852392	None	0	0	
			852393	None	0	0	
			852394	None	0	0	
			852395	None	0	0	
			852396	None	0	0	
			852397	None	0	0	
			852398	None	0	0	
	Infant Formula	Ireland	852007	None	0	0	
			852008	None	0	0	
			852009	None	0	0	
			852010	None	0	0	
			852011	None	0	0	
			852012	None	0	0	
			852013	None	0	0	
			852014	None	0	0	
			852015	None	0	0	
			852016	None	0	0	
			852017	None	0	0	
			852018	None	0	0	
			852019	None	0	0	
			852329	None	0	0	
			852330	None	0	0	
			852331	None	0	0	
			852332	None	0	0	
			852333	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			852334	None	0	0	
			852335	None	0	0	
			852336	None	0	0	
			852337	None	0	0	
			852338	None	0	0	
			852339	None	0	0	
			852340	None	0	0	
			852341	None	0	0	
			852342	None	0	0	
			852343	None	0	0	
			852344	None	0	0	
			852345	None	0	0	
			852346	None	0	0	
<b>ENFORCEMENT</b>							
TARGETED AND	Cultivated	Ireland	851871	Diflubenzuron	2	0.13	
FOLOW-UP	Mushroom			Ortho-phenylphenol	0.05	0.015	
				Prochloraz	3	0.067	
			851967	Mepiquat	0.05	0.047	
				Prochloraz	3	0.029	
			852124	Mepiquat	0.05	0.01	
				Prochloraz	3	0.015	
			852232	Chlormequat	10	0.016	
				Mepiquat	0.05	0.012	
				Prochloraz	3	0.015	
	Lettuce	Ireland	852218	Boscalid	30	0.012	
				Iprodione	25	0.23	
				Thiamethoxam	5	0.01	
			852241	Azoxystrobin	15	0.011	
				Boscalid	30	0.045	
				Cypermethrin	2	0.033	
	Butter	Ireland	802321	None	0	0	
			802322	None	0	0	
	Cheese	Ireland	802319	None	0	0	
			802320	None	0	0	
	Egg	Ireland	802020	None	0	0	
			802021	None	0	0	
			802022	None	0	0	
			802023	None	0	0	
			802024	None	0	0	
	Infant Formula	Ireland	802312	None	0	0	
			802313	None	0	0	
			802314	None	0	0	
			802315	None	0	0	
			802316	None	0	0	
			802317	None	0	0	
			802318	None	0	0	
	Milk	Ireland	802294	None	0	0	
			802295	None	0	0	
			802296	None	0	0	
			802297	None	0	0	
			802298	None	0	0	
			802299	None	0	0	
			802300	None	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			802301	None	0	0	
			802302	None	0	0	
			802303	None	0	0	
			802304	None	0	0	
			802305	None	0	0	
			802306	None	0	0	
			802307	None	0	0	
			802308	None	0	0	
			802309	None	0	0	
			802311	None	0	0	
			802327	None	0	0	
			802328	None	0	0	
			802329	None	0	0	
			802330	None	0	0	
IMPORT	Peas with Pods	Kenya	851786	Imidacloprid	5	0.013	
CONTROLS				Spinosad	0.3	0.028	
				Tebuconazole	2	0.038	
			851787	Cypermethrin	0.7	0.021	
				Tebuconazole	2	0.01	
			851788	Tebuconazole	2	0.045	
			851920	Azoxystrobin	3	0.016	
				Carbendazim	0.2	0.024	
				Cypermethrin	0.7	0.041	
				Tebuconazole	2	0.1	
			852068	None	0	0	
			852199	Azoxystrobin	3	0.025	
				Cypermethrin	0.7	0.022	
				Difenoconazole	1	0.045	
			852364	Chlorothalonil	5	0.031	
				Difenoconazole	1	0.16	
	Pepper	Turkey	851822	None	0	0	
			852386	Cypermethrin	0.5	0.056	
				Imidacloprid	1	0.014	
				Triadimenol	1	0.013	
	Strawberry	Egypt	851688	None	0	0	
			851713	Boscalid	10	0.027	
				Iprodione	20	0.24	
			851733	Cyprodinil	5	0.028	
				Fludioxonil	4	0.019	
			852318	Captan	1.5	0.49	
				Myclobutanyl	1	0.017	
				Spirodiclofen	2	0.08	
			852353	Fenpropathrin	2	0.041	
				Imidacloprid	0.1	0.01	
				Lambda-cyhalothrin	0.5	0.04	
			852354	None	0	0	
			852355	Thiacloprid	1	0.023	
			852361	Boscalid	10	0.25	
				Captan	3	0.28	
				Chlorothalonil	5	0.031	
				Pyraclostrobin	1.5	0.13	
			852362	None	0	0	
			852363	Permethrin	0.05	0.027	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg/kg	MRL mg/kg	NOTE
			852365	None	0	0	
			852366	Boscalid	10	0.071	
				Captan	3	0.022	
				Cyprodinil	5	0.12	
				Fludioxonil	4	0.12	
				Lambda-cyhalothrin	0.5	0.022	
				Pyraclostrobin	1.5	0.029	
			852384	Boscalid	10	0.039	
				Captan	1.5	0.037	
				Cyprodinil	5	0.035	
				Fludioxonil	4	0.024	
				Iprodione	20	0.62	
				Pyraclostrobin	1.5	0.011	
			852385	None	0	0	
			852387	Cyprodinil	5	0.01	
				Fludioxonil	4	0.044	
				Lambda-cyhalothrin	0.5	0.016	
			852388	Difenoconazole	0.4	0.017	
	Tea	China	851833	Bifenthrin	5	0.055	
				Cypermethrin	0.5	0.088	
				Iprodione	0.05	0.02	
				Procymidone	0.05	0.021	
				Pyridaben	0.05	0.019	
			851998	None	0	0	
			852095	Bifenthrin	5	0.02	
				Fenvalerate	0.02	0.019	
				Lambda-cyhalothrin	0.02	0.015	
				Procymidone	0.05	0.031	
				Pyridaben	0.05	0.011	
			852096	Bifenthrin	5	0.013	
				Iprodione	0.05	0.031	
				Lambda-cyhalothrin	0.02	0.01	
				Procymidone	0.05	0.045	
				Pyridaben	0.05	0.021	
			852110	Bifenthrin	5	0.023	
				Fenpropathrin	2	0.013	
				Lambda-cyhalothrin	0.02	0.015	



#### 9.4 ANNEX IV Abbreviations

ADI	Acceptable daily intake
ARfD	Acute Reference Dose
BIP	Border Inspection Post
DAFM	Department of Agriculture, Food and the Marine
EC	European Community
EU	European Union
FSAI	Food Safety Authority of Ireland
IUNA	Irish Universities Nutrition Alliance
LOQ	Limit of Quantitation
mg/kg	milligram per kilogram
MRL	Maximum Residue Level
NCFS	National Children's Food Survey
OJ	Official Journal of the European Union
PCB	Polychlorinated Biphenyl
PCD	Pesticide Controls Division
PCL	Pesticide Control Laboratory
RASFF	Rapid Alert System for Food and Feed
S.I.	Statutory Instrument
TC	Third Country

## 9.5 ANNEX V Glossary of terms

Acceptable Daily Intake (ADI)	Intake	<p>An ADI is an estimate of the amount of a residue in food or drinking water, expressed on a body weight basis that can be ingested daily over a lifetime without appreciable health risk.</p> <p>The particular vulnerability of infants, children, the elderly and those whose systems are under stress because of ill-health, are taken into account, through application of a safety factor, when ADI values are established.</p> <p>ADI values are based on the no-adverse-effect level in the most sensitive animal species used in the toxicological experiments, or if appropriate data are available, in humans. Invariably, a safety factor to account for inter-species and intra-species variations is applied. Studies used as a basis for the identification of the relevant no-adverse-effect levels and hence for deriving ADI values, are conducted using active substance as manufactured. Accordingly the toxicological effects of impurities present in active substances are included in the assessment. Account is also taken of metabolites that may influence the toxicological significance of the residue reaching the consumer.</p>
Acute Reference Dose (ARfD)	Dose	<p>An ARfD is similar in nature to an ADI but it relates to intake of residues at one meal or on one day.</p> <p>The particular vulnerability of infants, children, the elderly and those whose systems are under stress because of ill-health, are taken into account, through application of a safety factor, when ARfD values are established.</p> <p>ARfD values are based on the no-adverse effect level in the most sensitive animal species used in the toxicological experimentation, or if appropriate data are available, in humans. ARfD values are derived from the results of those toxicological studies that are most relevant to short term exposure.</p>
Good Agricultural Practice (GAP)		<p>GAP in the use of a plant protection product (pesticide) includes authorised use under practical conditions necessary for effective control of harmful organisms. It encompasses a range of levels of application up to the highest level authorised, applied in a manner that leaves a residue that is the smallest amount practicable.</p>
Limit of Quantitation (LOQ)	Quantitation	<p>The LOQ is the lowest concentration of a pesticide residue or contaminant that can be identified and quantitatively measured in specified food, agricultural commodity or animal feed, with an acceptable degree of certainty by a method of analysis.</p>

Maximum Residue Level (MRL)	<p>MRL is the maximum concentration of a pesticide residue, expressed in milligrams per kilogram, legally permitted in or on food commodities and animal feeds. MRLs are based on supervised residues trials data that reflect Good Agricultural Practice (GAP). MRLs established for particular food commodities are such that potential consumer exposure to residues is judged to be toxicologically acceptable.</p> <p>MRLs are fixed at or about the limit of determination, where there are no approved uses.</p> <p>MRLs are established on the basis of sound scientific knowledge. They are only established for those pesticides for which acceptable daily intake (ADI) values exist.</p>
Pesticide Residue	<p>Any trace of a pesticide found in a sample, including any specified derivatives such as degradation and conversion products, metabolites and impurities, which are considered to be of toxicological significance and are included in the residue definition</p>

Results included in the above report were generated by the

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