

2013

PESTICIDES RESIDUES IN FOOD



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

2013



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1. SUMMARY REPORT

This report on the National Pesticide Residues Control Programme, carried out in 2013 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 2013 planned for the analysis of 1,521 consignments of fruit, vegetables, cereal, animal products and baby foods for up to 405 pesticide and 7 PCB 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 1,582 samples taken in 2013 exceeded the number planned in the Programme. The samples, comprising of 863 fruits and vegetables, 88 processed foods, 72 cereals, 413 foods of animal origin, 40 infant formulae and follow-on formulae and 106 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 to ISO 17025 standards.

Under half of the samples analysed (43%) were of domestic origin and the rest were imported from the EU and elsewhere.

Overall results show that no residues were detected in 49% of the 1,582 samples taken, another 49% of samples contained residues at levels which were in compliance with the EU legislation and 2% (32 samples) contained residues exceeding the MRLs.

No residues were detected in the milk, eggs, ham and infant and baby food samples.

All of the 32 samples exceeding the MRLs related to fruit and vegetables. Produce from outside the EU accounted for 21 exceedances, produce from other EU countries accounted for 7 exceedances and produce of domestic origin accounted for the remaining 4 exceedances. Ten consignments taken under Regulation (EC) No. 669/2009, dealing with increased inspection of targeted food commodities from certain countries, were destroyed or redespached due to non-compliances with the MRL or

when a possible health concern was identified. In these cases, other European control authorities were notified of these border rejections via the Rapid Alert System for Food and Feed (RASFF).

Where non-compliant residues were detected, consumer risk assessments, based on the residue level found and national food consumption data, were carried out to estimate the risk to consumers and to guide the follow-up action to be taken. Assessment on a consignment of okra from India indicated an unacceptable risk to the consumers and the consignment was destroyed. One sample of head cabbage from Ireland contained a level of Fluazifop-P which indicated a possible acute risk to consumers. Follow-up targeted sampling confirmed the results and the remainder of the crop on the market and growing in the field was destroyed. The assessment of the other breaches indicated no unacceptable risks to Irish 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 in 2014, as part of the follow-up enforcement strategy.

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 fruit and vegetables, cereals and in food of animal origin. MRLs are the largest amount of pesticide residue that would be expected to be present in 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 establishes 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 Irish 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 Alert¹ 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 2013'* provides details of the results obtained during 2013 from a national programme monitoring for the

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

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

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 2013, 2014 and 2015 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 Regulation (EC) No. 788/2012)². 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 FSAI³ and involves sampling of imported and domestic produce.

The programme ensures that consumers are not exposed to unacceptable pesticide residue levels in 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 to 405 pesticides and the 7 PCB congeners.

The planned number of samples (1,521) for the 2013 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

² Commission Regulation of 31st of August 2012, concerning a coordinated multiannual Community control programme for 2012, 2013 and 2014, Commission Regulation (EC) No 788/2012 OJ No L 238/8.

³ Service Contract from 2008 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 capacity of the laboratory to analyse samples.

Table 1: The 2013 monitoring plan

Food Class	Number	Food commodities
Fruits		
Citrus	140	Grapefruit, Oranges, Lemons, Lime and Mandarin (hybrids)
Pome	120	Apples and Pears
Stone fruit	45	Apricots, Cherries, Peaches/ Nectarines and Plums
Berries	90	Table grapes, Strawberries, Blackberries, Raspberries, Blueberries, Cranberries and Currants
Miscellaneous	100	Figs, Kiwi, Lychee, Passion fruit, Avocado, Bananas, Pineapples, Mango and Pomegranate
Vegetables		
Root & tuber	75	Potatoes, Carrot, Parsnips, Turnips/ Swedes, Radish and Yam
Bulb	10	Onions, Garlic, Shallots, Spring onions
Fruiting	75	Tomatoes, Peppers, Aubergines, Courgettes, Cucumbers, Melons, Watermelons, Squash and Marrow
Brassica	40	Broccoli, Cauliflower, Brussels sprouts, Head cabbage, Chinese cabbage and Kale
Leafy	75	Lettuce, Spinach, Other leafy veg - Scarole, Endive and Herbs
Legume	30	Beans + pods, Beans w/o pods, Peas + pods and Peas w/o pods
Stem	30	Celery, Leeks, - Asparagus, Artichoke and Rhubarb
Oilseeds	10	Olive, Soya and Rapeseed
Fungi	20	Cultivated Mushrooms
Tea	6	Tea leaves and other Herbal infusions
Processed	80	Orange juice, Wine, Apple juice, Other juices and Tinned fruit and vegetables
Cereals	100	Barley, Oats, Rice and Wheat
Food of animal origin	395	Kidney fat- Bovine, Ovine, Porcine, Poultry, Equine, Farm game , Eggs, Milk, Honey, and Ham
Food for babies	40	Infant formula and Follow on formula
Enforcement	20	Targeted follow up to breaches in 2012
Import control	20	Targeted under Regulation (EC) No. 669/2009
Total	1521	

4 SAMPLING

4.1 Food of plant origin

Samples were taken using the sampling method outlined in a Commission Directive⁴ 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 border inspections 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 the import controls under Regulation (EC) No. 669/2009 which lists commodities and countries of origin for additional targeted sampling.

Authorised officers from the Pesticide Control Division (PCD) carry out the sampling of food of plant origin and cereals in accordance with the sampling Directive. This Directive for instance, describes that a minimum of 1 kg or 10 units of a food commodity be taken from a consignment which then constitute a laboratory sample. The samples are labelled with unique sample identity numbers, sealed and brought to the laboratory for analysis.



Figure 1: A laboratory sample of carrots

⁴ Commission Directive 2002/63(EC)

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 of 395 samples 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/EC⁵.

4.3 Infant formula and follow on formula

The samples were taken by officers of the Dairy Science Laboratory of DAFM. The legislation and the MRLs governing these infant and follow-on formula samples are set in Commission Directive 2006/141/EC⁶ with MRLs different to those established for the foods of plant and animal origin.

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

⁶ 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 PESTICIDES

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 2: 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 homogenised with dry ice (solid CO₂), put into labelled sample bags and stored in a freezer at -18 °C prior to extraction and analysis.



Figure 3: Homogenised laboratory sample



Figure 4: Frozen laboratory samples

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



Figure 5: Addition of organic solvents to a sample



Figure 6: Pesticide Control Laboratory with liquid chromatographic systems

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 mass spectral data. Figure 7 gives an example of such a standard pesticide mixture collected from a LC chromatographic system using tandem mass spectrum (MS/MS) detection methods.



Figure 7: A sample chromatogram using MS/MS techniques

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. References to the analytical methods used in the laboratory are provided in Annex II at the back of this report. 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 405 pesticides analysed for in 2013 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 2013, 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. The PCL registration number is 121T.



Figure 8: Quality control protocols in pesticide residues

The laboratory participated in all 4 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. In addition the laboratory participated in two proficiency tests (animal fat and infant formula) organised by the Food Analysis Performance Assessment Scheme (FAPAS). 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 **1,582** samples were taken for analysis under two different types of sampling –

- **1,476** samples were selected under the surveillance strategy
- **106** 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 planned and taken. The table shows that, while the number of samples for some categories fell slightly short of the planned number, the overall number of samples planned in the 2013 programme was exceeded by 4%.

Table 2: Number of samples planned and achieved in the 2013 control programme

Categories	Planned		Achieved	
	Raw	Processed	Raw	Processed
Surveillance -				
Citrus fruits	140	10	140	25
Pome fruits	120	10	121	22
Stone fruits	45		45	2
Berries/Small fruits	90	10	91	16
Miscellaneous fruits	100	10	103	5
Root/ tuber vegetables	75		73	1
Bulb vegetables	10		11	0
Fruiting vegetables	75		74	2
Brassica vegetables	40		42	0
Leafy vegetables	75		80	0
Legume vegetables	30		30	1
Stem vegetables	30		29	0
Oilseed	10		0	9
Fungi	20		26	0
Spice	0		3	0
Tea	6		0	
Other processed	40		0	0
Cereals	100		72	0
Animal origin	395		398	15
Baby foods	40		0	40
Enforcement –				0
Regulation 396/2005	20		23	
Regulation 669/2009	20		83	0
Total – raw and processed		1521		1582

The following tables (3 to 20) provide summary details of all the samples taken in 2013 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, where they originated 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^{-1} 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 citrus fruit samples

Commodity	Residues detected			Origin of samples			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Grapefruit	1	13	1	0	0	15	0
Grapefruit Juice	1	1	0	0	0	0	2
Pomelo	0	1	0	0	0	1	0
Orange	2	36	0	0	18	20	0
Orange Juice	11	10	0	0	1	1	19
Lemon	1	13	0	0	6	8	0
Limes	0	10	1	0	0	11	0
Mandarin	1	9	0	0	3	6	1
Clementine	0	27	1	0	15	13	0
Minneola	0	8	0	0	0	8	0
Satsuma	0	16	1	0	5	12	0
Total	17	144	4	0	48	95	22

Citrus fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 165 citrus samples were analysed 10% had no residues detected above the LOQ 87% had residues detected above the LOQ and below the MRL 3% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> No citrus fruit of Irish origin were sampled 29% were from other EU countries and 58% from outside the EU The origin of the raw products could not be confirmed for 13% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Imazalil was detected in 80% of the citrus fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 9 different pesticides were found in a satsuma sample from Argentina and a lime from Brazil
Pesticide residues above the MRL	<ul style="list-style-type: none"> Biphenyl in a grapefruit sample from Turkey at 0.012 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Dicofol in a lime sample from Brazil at 0.12 mg kg⁻¹, The MRL is 0.02 mg kg⁻¹ Malathion in a clementine sample from Morocco at 0.021 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹ Thiabendazole in a satsuma sample from South Africa at 5.66 mg kg⁻¹. The MRL is 5 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 25 processed samples (juiced or tinned)
Labelled organic	<ul style="list-style-type: none"> 5 samples - 4 with no residue detected above the LOQ 1 mandarin sample from Spain contained chlorpyrifos above the LOQ and below the MRL

Table 4: Summary results of pome fruit samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Apple	13	59	0	2	40	30	0
Apple Juice	16	4	0	0	0	1	19
Apples Cooking	3	9	0	6	5	0	1
Pear	7	31	1	0	21	16	2
Total	39	103	1	8	66	47	22

Pome fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 143 pome fruit samples were analysed 27% had no residues detected above the LOQ 72% had residues detected above the LOQ and below the MRL 1% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 6% of pome fruit samples were of Irish origin 46% were from other EU countries and 33% from outside the EU The origin could not be confirmed for 15% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Pyraclostrobin was detected in 18% of the pome fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 11 different pesticides were found in a pear sample from Portugal
Pesticide residues above the MRL	<ul style="list-style-type: none"> Phosmet in a pear sample from Portugal at 0.31 mg kg⁻¹. The MRL is 0.2 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 22 samples (mainly juiced)
Labelled organic	<ul style="list-style-type: none"> 7 samples with no residue detected above the LOQ

Table 5: Summary results of stone fruit samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Apricots	0	3	0	0	3	0	0
Cherry	1	0	0	0	0	1	0
Nectarine	1	10	0	0	10	1	0
Peach	4	8	0	0	9	2	1
Plum	2	18	0	0	11	9	0
Total	8	39	0	0	33	13	1

Stone fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 47 stone fruit samples were analysed 17% had no residues detected above the LOQ 83% has residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> No stone fruit of Irish origin were sampled 70% were from other EU countries and 28% from outside the EU The origin of the raw products could not be confirmed for 2% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Iprodione was detected in 38% of the stone fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 8 different pesticides were found in a peach sample from Spain.
Pesticide residues above the MRL	<ul style="list-style-type: none"> No stone fruit sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> 2 samples (tinned)
Labelled organic	<ul style="list-style-type: none"> 2 samples with no residue detected above the LOQ

Table 6: Summary results of small berries and fruit samples

Commodity	Residues Detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Table Grape	1	37	0	0	16	22	0
Wine	3	12	0	0	5	10	0
Strawberry	1	24	0	13	11	1	0
Blackberry	2	7	0	3	3	3	0
Blueberry	7	5	0	0	7	5	0
Raspberry	2	6	0	1	6	1	0
Total	16	91	0	17	48	42	0

Berries and small fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 107 berries and small fruit samples were analysed 15% had no residues detected above the LOQ 85% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 16% of berries and small fruit samples were of Irish origin 45% were from other EU countries and 39% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Fenhexamid was detected in 33% of berries and small fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 12 different pesticides were found in a strawberry sample from Ireland
Pesticide residues above the MRL	<ul style="list-style-type: none"> No berry or small fruit sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> 16 samples (mainly wine)
Labelled organic	<ul style="list-style-type: none"> No sample

Table 7: Summary results of miscellaneous fruit samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Figs	1	0	0	0	0	1	0
Sharon fruit	0	1	0	0	1	0	0
Dragon fruit	0	1	0	0	0	1	0
Kiwi	10	13	0	0	14	9	0
Lychee	1	0	0	0	0	1	0
Passion Fruit	1	7	0	0	0	8	0
Avocados	8	5	0	0	2	11	0
Banana	3	14	0	0	0	17	0
Mangoes	7	20	0	0	0	27	0
Papaya	0	2	0	0	0	2	0
Pomegranate	2	2	0	0	0	4	0
Physalis	0	1	0	0	0	1	0
Pineapples	3	4	0	0	0	7	0
Pineapple Juice	2	0	0	0	0	0	2
Total	38	70	0	0	17	89	2

Miscellaneous fruit samples with pesticide residues detected	<ul style="list-style-type: none"> • 108 miscellaneous fruit samples were analysed • 35% had no residues detected above the LOQ (limit of quantitation) • 65% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> • No miscellaneous fruit of Irish origin were sampled • 16% were from other EU countries and 82% from outside the EU • The origin could not be confirmed for 2% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> • Prochloraz and Thiabendazole were detected in 18% of the miscellaneous fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> • Up to 6 different pesticides were found in a papaya sample from Ecuador
Pesticide residues above the MRL	<ul style="list-style-type: none"> • No miscellaneous fruit sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> • 5 samples (mainly juice)
Labelled organic	<ul style="list-style-type: none"> • 10 organic samples with no residue detected above the LOQ

Table 8: Summary results of root and tuber vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Potatoes	8	17	2	15	12	0	0
Sweet Potatoes	2	5	0	0	1	6	0
Yams	1	0	0	0	0	1	0
Beetroot	0	1	0	0	1	0	0
Carrots	8	13	0	6	12	3	0
Horseradish	1	0	0	0	0	0	1
Parsnips	1	4	0	3	2	0	0
Radishes	1	0	0	0	0	1	0
Swedes	3	0	1	3	1	0	0
Turnips	4	2	0	5	1	0	0
Total	29	42	3	32	30	11	1

Root and tuber vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 74 root and tuber samples were analysed 39% had no residues detected above the LOQ and 57% had residues detected above the LOQ and below the MRL 4% (3 root and tuber samples) had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 43% of root and tuber samples were of Irish origin 41% were from other EU countries and 15% from outside the EU The origin could not be confirmed for 1% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Chlorpropham was detected in 15% of root and tuber samples with residues above the LOQ
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 4 different pesticides were found in 2 carrot samples from India and Ireland and in a potato sample from the Netherlands
Pesticide residues above the MRL	<ul style="list-style-type: none"> Chlorpropham in a potato sample from United Kingdom at 11.08 mg kg⁻¹. The MRL is 10 mg kg⁻¹ Chlorpyrifos in a swede sample from Ireland at 0.085 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹ Pencycuron in a potato sample from Ireland at 0.22 mg kg⁻¹. The MRL is 0.1 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 1 sample (tinned)
Labelled organic	<ul style="list-style-type: none"> 6 samples - 5 with no residue detected above the LOQ 1 carrot sample from Spain contained Linuron above the LOQ and below the MRL

Table 9: Summary results of bulb vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Garlic	1	0	0	0	0	1	0
Onions	6	0	0	1	4	1	0
Shallots	0	1	0	0	1	0	0
Spring Onions	2	1	0	1	1	1	0
Total	9	2	0	2	6	3	0

Bulb vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> • 11 bulb vegetable samples were analysed • 82% had no residues detected above the LOQ • 18% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> • 18% of bulb vegetable samples were of Irish origin • 55% were from other EU countries and 27% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> • Dimethomorph was detected in 1 spring onion sample and Thiophanate methyl in 1 shallot sample
Maximum number of multiple residues	<ul style="list-style-type: none"> • No more than 1 pesticide was found in each of the 2 samples with residues
Pesticide residues above the MRL	<ul style="list-style-type: none"> • No bulb vegetable sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> • No samples
Labelled organic	<ul style="list-style-type: none"> • No samples

Table 10: Summary results of fruiting vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Tomato	5	14	0	6	10	2	1
Pepper	8	14	0	3	16	3	0
Aubergines	4	5	0	0	9	0	0
Cucumbers	2	6	0	3	5	0	0
Courgettes	2	5	0	0	7	0	0
Melons	0	1	0	0	0	1	0
Watermelons	1	1	0	0	2	0	0
Summer Squash	0	2	0	0	2	0	0
Winter Squash	0	2	0	0	0	2	0
Sweet Corn	4	0	0	0	1	2	1
Total	26	50	0	12	52	10	2

Fruiting vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 76 fruiting vegetable samples were analysed 34% had no residues detected above the LOQ and 66% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 16% of fruiting vegetable samples were of Irish origin 68% were from other EU countries and 13% from outside the EU The origin could not be confirmed for 3% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Chlorothalonil was detected in 14% of the fruiting vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 8 different pesticides were found in a cucumber sample from Spain.
Pesticide residues above the MRL	<ul style="list-style-type: none"> No fruiting vegetable sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> 2 samples
Labelled organic	<ul style="list-style-type: none"> 3 samples - 2 with no residue detected above the LOQ and 1 contained Spinosad which is permitted for use in a plant protection product in organic farming

Table 11: Summary results of brassica vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Broccoli	10	2	1	5	6	2	0
Cauliflower	6	0	0	4	2	0	0
Brussels Sprouts	0	3	0	3	0	0	0
Head Cabbage	7	7	1	10	5	0	0
Chinese Cabbage	2	1	0	1	2	0	0
Kale	0	1	1	0	2	0	0
Total	25	14	3	23	17	2	0

Brassica vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 42 brassica vegetable samples were analysed 60% had no residues detected above the LOQ 33% had residues detected above the LOQ and below the MRL 7% has residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 55% of brassica vegetable samples were of Irish origin 40% were from other EU countries and 5% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Difenoconazole was detected in 12% of the brassica vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 7 different pesticides were found in a head cabbage sample from Ireland. Two of the pesticides exceeded the MRLs
Pesticide residues above the MRL	<ul style="list-style-type: none"> Cypermethrin in a kale sample from Spain at 1.41 mg kg⁻¹. The MRL is 1 mg kg⁻¹ Fluazifop-P in a broccoli sample from Spain at 0.3 mg kg⁻¹. The MRL is 0.2 mg kg⁻¹ Methiocarb and its metabolites in a head cabbage sample from Ireland at 0.36 mg kg⁻¹. The MRL is 0.1 mg kg⁻¹. The same sample also contained Fluazifop-P at 1.4 mg kg⁻¹. The MRL is 0.3 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 1 sample with no residue detected above the LOQ

Table 12: Summary results of leafy vegetable and herb samples

Commodity	Residues detected			Source			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Lambs Lettuce	0	3	0	0	3	0	0
Lettuce	7	37	0	17	27	0	0
Mizuna	0	1	0	0	1	0	0
Rocket	0	3	0	1	2	0	0
Scarole	0	1	0	0	1	0	0
Rucola	0	1	0	0	1	0	0
Spinach	2	9	1	5	7	0	0
Water Cress	1	0	0	0	1	0	0
Chard	1	1	0	0	2	0	0
Chives	0	1	1	0	0	2	0
Basil	0	2	1	0	1	2	0
Fennel	2	2	0	0	4	0	0
Parsley	0	1	0	1	0	0	0
Rosemary	1	0	0	1	0	0	0
Lemongrass	1	0	0	0	0	1	0
Total	15	62	3	25	50	5	0

Leafy vegetable and herb samples with pesticide residues detected	<ul style="list-style-type: none"> 80 leafy vegetable and herb samples were analysed 19% had no residue detected above the LOQ 77% had residues detected above the LOQ and below the MRL 4% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 31% of leafy vegetable and herb samples were of Irish origin 63% were from other EU countries and 6% from outside the EU.
Most frequently detected pesticide	<ul style="list-style-type: none"> Boscalid was detected in 26% of the leafy vegetable and herb samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 10 different pesticides were found in a chive sample from Kenya
Pesticide residues above the MRL	<ul style="list-style-type: none"> Imidacloprid in a spinach sample from Spain at 0.053 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹. Note that this sample was labelled as organic. Cyfluthrin in a chive sample from Kenya at 0.15 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹. The same sample also contained Folpet at 0.54 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹. This sample contained the maximum number of pesticides in a leafy vegetable or herb. Acetamiprid in a basil sample from Israel at 5.96 mg kg⁻¹. The MRL is 3 mg kg⁻¹.
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 3 organic samples - 1 with no residue detected above the LOQ. 1 spinach sample from Spain contained Imidacloprid and breached the MRL. 1 spinach sample from Italy contained Spinosad which is permitted to use as plant protection in organic farming and Propamocarb above the LOQ and below the MRL.

Table 13: Summary results of legume vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Beans With Pods	5	9	0	0	2	9	3
Beans Without Pods	3	2	1	0	0	5	1
Peas With Pods	0	4	1	0	0	5	0
Peas With Pod	2	4	0	0	0	1	5
Total	10	19	2	0	2	20	9

Legume vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 31 legume vegetable samples were analysed 32% had no residue detected above the LOQ 61% had residues detected above the LOQ and below the MRL 7% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> No legume vegetables of Irish origin were sampled 6% were from other EU countries and 65% from outside the EU The origin could not be confirmed for 29% of the samples
Most frequently detected pesticide	<ul style="list-style-type: none"> Boscalid or Carbendazim were detected in 13% of legume vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 6 different pesticides were found in a sample of peas without pods from Guatemala.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Methamidophos in a sample of beans without pods from China at 0.011 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. Methoxyfenozide in a sample of peas with pods from Guatemala at 0.079 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹.
Processed	<ul style="list-style-type: none"> 1 sample (tinned)
Labelled organic	<ul style="list-style-type: none"> No samples

Table 14: Summary results of stem vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Asparagus	1	0	0	0	1	0	0
Celery	5	8	0	0	12	1	0
Leek	7	7	0	9	5	0	0
Rhubarb	1	0	0	0	1	0	0
Total	14	15	0	9	19	1	0

Stem vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> • 29 stem vegetable samples were analysed • 48% had no residues detected above the LOQ • 52% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> • 31% of stem vegetable samples were of Irish origin • 66% were from other EU countries and 3% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> • Azoxystrobin or Linuron were detected in 14% of the stem vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> • Up to 3 different pesticides were found in 2 celery samples from Spain and 1 leek sample from France
Pesticide residues above the MRL	<ul style="list-style-type: none"> • No stem vegetable sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> • No samples
Labelled organic	<ul style="list-style-type: none"> • 6 samples with no residue detected above the LOQ

Table 15: Summary results of fungi, oilseed and spice samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Fungi	17	8	1	25	1	0	0
Ginger	2	1	0	0	0	3	0
Rapeseed oil	6	3	0	4	2	0	3
Total	25	12	1	29	3	3	3

Fungi, oilseed and spice samples with pesticide residues detected	<ul style="list-style-type: none"> 38 fungi, oilseed and spice samples were analysed 66% had no residues detected above the LOQ 32% had residues detected above the LOQ and below the MRL 2% had residues exceeding the MRL
Origin of samples	<ul style="list-style-type: none"> 76% of fungi, oilseed and spice samples were of Irish origin 8% were from other EU countries and 8% from outside the EU The origin could not be confirmed for 8% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Prochloraz was detected in 23% of all fungi samples analysed
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 2 different pesticides were found in a ginger sample from China
Pesticide residues above the MRL	<ul style="list-style-type: none"> Ortho-phenylphenol in a mushroom sample from the UK at 0.23 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹.
Processed	<ul style="list-style-type: none"> All 9 rapeseed oil samples
Labelled organic	<ul style="list-style-type: none"> 3 rapeseed oil samples with no residue detected above the LOQ

Table 16: Summary results of cereal samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Barley	5	10	0	15	0	0	0
Oats	12	13	0	25	0	0	0
Rice	0	10	0	0	0	2	8
Wheat	8	14	0	12	10	0	0
Total	25	47	0	52	10	2	8

Cereal samples with pesticide residues detected	<ul style="list-style-type: none"> 72 cereal samples were analysed 35% had no residue detected above the LOQ 65% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 72% of cereal samples were of Irish origin 14% were from other EU countries and 3% from outside the EU The origin could not be confirmed for 11% of the samples
Most frequently detected pesticide	<ul style="list-style-type: none"> Chlormequat was detected in 76% of the 51 cereal samples analysed specifically for the chlormequat type pesticides.
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 3 different pesticides were found in 3 different wheat samples from France, 2 different wheat samples from Ireland, 1 rice sample from India and 1 rice sample of unknown origin
Pesticide residues above the MRL	<ul style="list-style-type: none"> No cereal sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 3 oat samples with no residue detected above the LOQ

Table 17: Summary results of food of animal origin samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL*	Ireland	EU	TC	Unknown
Bovine Kidney Fat	116	1	0	117	0	0	0
Cervine Kidney Fat	10	0	0	10	0	0	0
Equine Kidney Fat	6	1	0	7	0	0	0
Ovine Kidney Fat	75	15	0	90	0	0	0
Porcine Kidney Fat	59	1	0	60	0	0	0
Poultry Kidney Fat	26	1	0	27	0	0	0
Bovine Milk	57	0	0	57	0	0	0
Goat Milk	6	0	0	6	0	0	0
Sheep Milk	2	0	0	2	0	0	0
Chicken Egg	10	0	0	10	0	0	0
Honey	11	1	0	11	0	0	1
Meat (Ham)	15	0	0	9	2	0	4
Total	393	20	0	406	2	0	5

>MRL* The MRLs from Regulation (EC) No 37/2010 are also applied to food of animal origin

Food of animal origin samples with pesticide residues detected	<ul style="list-style-type: none"> 413 food of animal origin samples were analysed 95% had no residue detected above the LOQ 5% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 98.3% of the food of animal origin samples were of Irish origin 1.7% were from other EU countries or of unknown origin The origin could not be confirmed for 1% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Diazinon or DDT metabolites were detected in up to 6 samples
Maximum number of multiple residues	<ul style="list-style-type: none"> No more than 1 pesticide was found in each of the 20 samples with residues
Pesticide residues above the MRL	<ul style="list-style-type: none"> Diazinon at 0.15 mg kg⁻¹ exceeds the MRL of 0.05 set in the Regulation (EC) No. 396/2005 for an ovine fat sample from Ireland at the time of sampling. This residue however is in compliance with the Veterinary Medicine Legislation with a MRL of 0.7 mg kg⁻¹. Amitraz at 0.031 mg kg⁻¹ exceeds the MRL of 0.01 set in the Regulation (EC) No. 396/2005 for an imported honey sample of unknown origin. This too is in compliance with the Veterinary Medicine Legislation with a MRL of 0.2 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 15 samples (cooked ham)
Labelled organic	<ul style="list-style-type: none"> No samples

Table 18: Summary of baby food samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Infant formula	40	0	0	40	0	0	0

Baby food samples with pesticide residues detected	<ul style="list-style-type: none"> 40 baby food samples were analysed 100% had no residue detected above the LOQ
Origin of samples	<ul style="list-style-type: none"> 100% of the food of animal origin samples were of Irish origin
Most frequently detected pesticide	<ul style="list-style-type: none"> No pesticides detected
Maximum number of multiple residues	<ul style="list-style-type: none"> No pesticides detected
Pesticide residues above the MRL	<ul style="list-style-type: none"> No baby food sample with residues detected above the MRL
Processed	<ul style="list-style-type: none"> All 40 samples were processed as infant formula products.
Labelled organic	<ul style="list-style-type: none"> No samples

Table 19: Summary results of targeted and follow up enforcement samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Brussels Sprout	1	0	0	1	0	0	0
Carrots	1	0	0	0	1	0	0
Courgettes	0	1	0	0	1	0	0
Cultivated Mushroom	1	0	0	1	0	0	0
Head Cabbage	2	1	1	4	0	0	0
Kale	0	0	1	0	1	0	0
Lettuce	0	1	0	1	0	0	0
Marrow	0	1	0	1	0	0	0
Orange	2	0	0	0	0	2	0
Parsnips	0	1	0	1	0	0	0
Rapeseed Oil	1	0	0	1	0	0	0
Swede	2	0	0	2	0	0	0
Strawberry	0	1	0	1	0	2	0
Chicken Egg	5	0	0	5	0	0	0
Total	15	6	2	18	3	2	0

Enforcement samples with pesticide residues detected	<ul style="list-style-type: none"> 23 enforcement samples were analysed 65% had no residue detected above the LOQ 26% had residues detected above the LOQ and below the MRL 9% has residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 78% of enforcement samples were of Irish origin 13% were from other EU countries and 9% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Not relevant due to a diverse range of commodities
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 6 different pesticides were found in a kale sample
Pesticide residues above the MRL	<ul style="list-style-type: none"> Fluazifop-P in a head cabbage sample from Ireland at 1.23 mg kg⁻¹. The MRL is 0.336 mg kg⁻¹. This was taken as a follow up to a breach taken routinely from the same grower prior to taking enforcement action Thiacloprid in a kale sample from the United Kingdom at 1.69 mg kg⁻¹. The MRL is 1 mg kg⁻¹. This was taken as a follow up to a non-registered use in 2012 and on investigation was found not to be of domestic origin
Processed	<ul style="list-style-type: none"> 1 sample (rapeseed oil)
Labelled organic	<ul style="list-style-type: none"> No samples

Table 20: Summary results of Border Inspection Post (BIP) samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Beans With Pods	13	14	3	0	0	30	0
Okra	0	0	1	0	0	1	0
Orange	0	10	4	0	0	14	0
Peas With Pod	3	9	4	0	0	16	0
Pepper	2	1	0	0	0	3	0
Strawberry	6	12	1	0	0	19	0
Total	24	46	13	0	0	83	0

BIP samples with pesticide residues detected	<ul style="list-style-type: none"> 83 samples (from 82 BIP consignments) were analysed 29% had no residues detected above the LOQ 55% had residues greater than the LOQ and below the MRL 16% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 100% from outside the EU – Egypt, India, Kenya and Turkey as listed in Regulation (EC) No. 669/2009
Most frequently detected pesticide	<ul style="list-style-type: none"> Azoxystrobin detected in 36% of legume samples Thiabendazole in 14% of orange samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 10 different pesticides were found in an okra sample from India, several of which exceeded the MRLs.
Pesticide residues above the MRL	<ul style="list-style-type: none"> 13 samples exceeded the MRL. Details are in chapter 7 of this report
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> No samples

6.2 Key findings of fruit and vegetable results

In the 2013 programme a total of 951 samples were analysed using the surveillance or random sampling method. When compared to previous years (2010-2012), the number of samples with breaches (1.8%) is slightly up from 2012 (1.2%) and down from 3.3% in 2010 and 2011. Some MRLs may have been decreased to a lower limit of quantitation, particularly where uses previously authorised are no longer supported. Other MRLs have been increased, for example, where new or modified uses are authorised on additional crops in the EU or where import tolerances for authorised uses outside the EU were granted. The number of fruit and vegetable samples with detectable residues above the LOQ has been increasing since 2010: 60% in 2010, 65% in 2011, 67% in 2012 and 70% in 2013. This is due, in part, to the increase in the number of pesticides in the analytical methods with more pesticides added each year and the LOQs being set at lower levels.

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 2013.

Table 21 gives a summary of the findings of the fruit and vegetables analysed in 2013, in particular the most frequently detected pesticides.

Table 21: Summary of fruit and vegetables taken in the surveillance programme

Fruit and vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 951 fruit and vegetable surveillance samples were analysed 28.5% had no residues detected above the LOQ 69.7% had residues detected above the LOQ and below the MRL 1.8% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 17% of fruit and vegetable samples were of Irish origin 41% were from EU countries and 36% from outside the EU The origin could not be confirmed for 6% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Top ten pesticides detected in fruit and vegetables – Imazalil 17%, Thiabendazole 12%; Boscalid 12%; Chlorpyrifos 11%; Imidacloprid 11%; Fludioxonil 7%; Pyraclostrobin 7% Pyrimethanil 7%; Azoxystrobin 7% and Fenhexamid 6%
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 12 different pesticides were found in a strawberry sample from Ireland.
Pesticide residues above the MRL	<ul style="list-style-type: none"> 17 samples exceeded the MRL. Details are in chapter 7 of this report
Processed	<ul style="list-style-type: none"> 83 samples
Labelled organic	<ul style="list-style-type: none"> 46 samples

6.3 Key findings of the cereal sample results

Pesticide residues were found in 47 (65%) of the 72 cereal samples that were taken in the surveillance programme. This is a higher frequency than that found in previous years – 25% in 2010; 54% in 2011 and 55% in 2012. This is due, in part, to the increase in the number of pesticides in the analytical methods with more pesticides added each year and the LOQs set at lower levels. **Chlormequat**, authorised as a growth regulator, was the most frequently detected pesticide and was detected in 39 out of 51 cereal samples specifically analysed for chlormequat and other “quat” compounds. Glyphosate was detected in 21 out of 39 samples analysed using the selective method for that compound. Most (72%) of the cereal samples taken were of domestic origin.

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 four years: - 4.3% in 2010; 2.8% in 2010; 6% in 2012 and 5% in 2013 despite an increase in the analytical scope and the sensitivity of the methods used for these samples. As in previous years **Diazinon**, which is used in sheep dipping, and the metabolites of **DDT**, a persistent organic pollutant (POP) were the most commonly detected pesticides.

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 2013.

7 MRL BREACHES

7.1 Types of breaches

Thirty two (2.0%) of the 1582 samples taken in 2013 were found to contain residues above the Maximum Residue Level. These breaches all related to fruit and vegetables samples from both the surveillance and enforcement sampling programmes.

Table 22 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 types of programmes. The highest rate of MRL breaches occurred with the samples taken under the Regulation (EC) No. 669/2009 enforcement programme, which targets on certain food commodities with a history of non-compliances.

Table 22: Summary of all food types with residues and MRL breaches in 2013.

Sampling programmes	Food types	Numbers	< LOQ		> LOQ		> MRL	
Surveillance	Fruit Veg	951	271	28.5%	663	69.7%	17	1.8%
Surveillance	Animal origin	413	393	95.2%	20	4.8%	0	0.0%
Surveillance	Cereal	72	25	34.7%	47	65.3%	0	0.0%
Surveillance	Baby food	40	40	100.0%	0	0.0%	0	0.0%
Enforcement	Fruit Veg	23	15	65.2%	6	26.1%	2	8.7%
BIP Enforcement	Fruit Veg	83	24	28.9%	46	55.4%	13	15.7
Total		1582	768	48.5%	782	49.4%	32	2.0%

For the 951 fruit and vegetable samples which were taken in the surveillance programme, Table 23 shows that the highest rate of non-compliances (2.4%) occurred with samples originating from third countries. In addition, these breaches are more likely to exceed the MRL set at the LOQ. In these cases MRLs may have been set at the LOQ as there are no approved EU uses which may result in technical breaches from samples treated in third countries with registered uses in those countries that have not been approved in the EU. In contrast, the breaches from domestic and the EU are likely to exceed MRLs set higher than the LOQ where authorisations have been granted and where residues are expected. In these cases the breaches are likely to be from over application of the plant protection products or applying at a time too close to harvest.

Table 23: Origin of surveillance fruit and vegetable samples and MRL breaches

Origin	Samples		Breaches (LOQ and > LOQ)		Breaches at LOQ	
	Number	%	Number	%	Number	%
Domestic	162	17%	3	1.9%	1	0.6%
EU	390	41%	6	1.5%	2	0.5%
TC	342	36%	8	2.4%	5	1.5%
Unknown	57	6%	0	0.0%	0	0.0%
Total	951	100%	17	1.8%	8	0.8%

Table 24 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. Breaches that have residues exceeding the MRL with the 50% measurement of uncertainty are marked with (mu). This means that there is a statistical 95% confidence level that the MRL has been breached and is applied when enforcement actions are being considered. 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. These are denoted by (s) in the table.

Table 24: Details of the MRL breaches in 2013

	Source	Commodity	Sample no	Pesticide	MRL	Residue
IE	Ireland	Cabbage	76757	Methiocarb	0.3	0.36 ^s
				Fluazifop butyl	0.3	1.4 ^{mu}
		Potato	76799	Fluazifop butyl	0.3	1.23 ^{mu}
			77168	Pencycuron	0.1	0.22 ^{mu}
			77331	Chlorpyrifos	0.05*	0.085
EU	Portugal	Pear	76782	Phosmet	0.2	0.31
	UK	Potato	76974	Chlorpropham	10	11.08
	Spain	Spinach	76861	Imidacloprid	0.05*	0.053
	Spain	Kale	77089	Cypermethrin	1	1.41
	UK	Kale	77491	Thiacloprid	1	1.69
	Spain	Broccoli	77161	Fluazifop butyl	0.2	0.3
	UK	Mushroom	77413	O phenylphenol	0.05*	0.13
TC	Turkey	Grapefruit	76747	Biphenyl	0.01*	0.12
	S Africa	Satsuma	77059	Thiabendazole	5	5.66
	Morocco	Clementine	76633	Malathion	0.02*	0.021
	Brazil	Lime	77577	Dicofol	0.02*	0.12 ^{mu}
	Israel	Basil	77209	Acetamiprid	3	5.96
	Kenya	Chives	76865	Folpet	0.02*	0.54 ^{mu}
				Cyfluthrin	0.02*	0.15 ^{mu}
	China	Beans w/o	77877	Methamidophos	0.01*	0.011
	Guatemala	Peas+Pods	76942	Methoxyfenozide	0.02*	0.079 ^{mu}
TC(669)	Egypt	Oranges	76824#	O phenylphenol	5	15 ^{mu}
				Malathion	0.02*	0.025
	Egypt	Oranges	76825#	O phenylphenol	5	8.25
	Egypt	Oranges	76840	O phenylphenol	5	7.4
	Egypt	Oranges	77066	Imazalil	5	7.98
	Egypt	Strawberry	76649	Carbendazim	0.1*	0.49 ^{mu}
	India	Okra	76703	Acetamiprid	0.01*	0.063 ^{mu}
				Monocrotophos	0.01*	0.39 ^{mu}
				Profenophos	0.05*	0.1
				Dimethoate	0.02*	0.36 ^{mu, s}
	Kenya	Beans+Pods	77104	Dimethoate	0.02*	0.15 ^{mu, s}
	Kenya	Beans+Pods	77105	Dimethoate	0.02*	0.033
	Kenya	Beans+Pods	77142	Dimethoate	0.02*	0.12 ^{mu, s}
	Kenya	Beans+Pods	77157	Dimethoate	0.02*	0.025
	Kenya	Peas+Pods	76877	Dimethoate	0.02*	0.047 ^{mu}
	Kenya	Peas+Pods	77675	Famoxadone	0.02*	0.031
	Kenya	Peas+Pods	77821	Dimethoate	0.02*	0.038

*The MRL at the LOQ.

(mu) breach with MU of 50%

(s) summed residue of parent and breakdown metabolite

The two orange samples were taken from the one consignment

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 2013.

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 residues 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 very unlikely, leading to an overestimation of the real exposure of the Irish consumers.

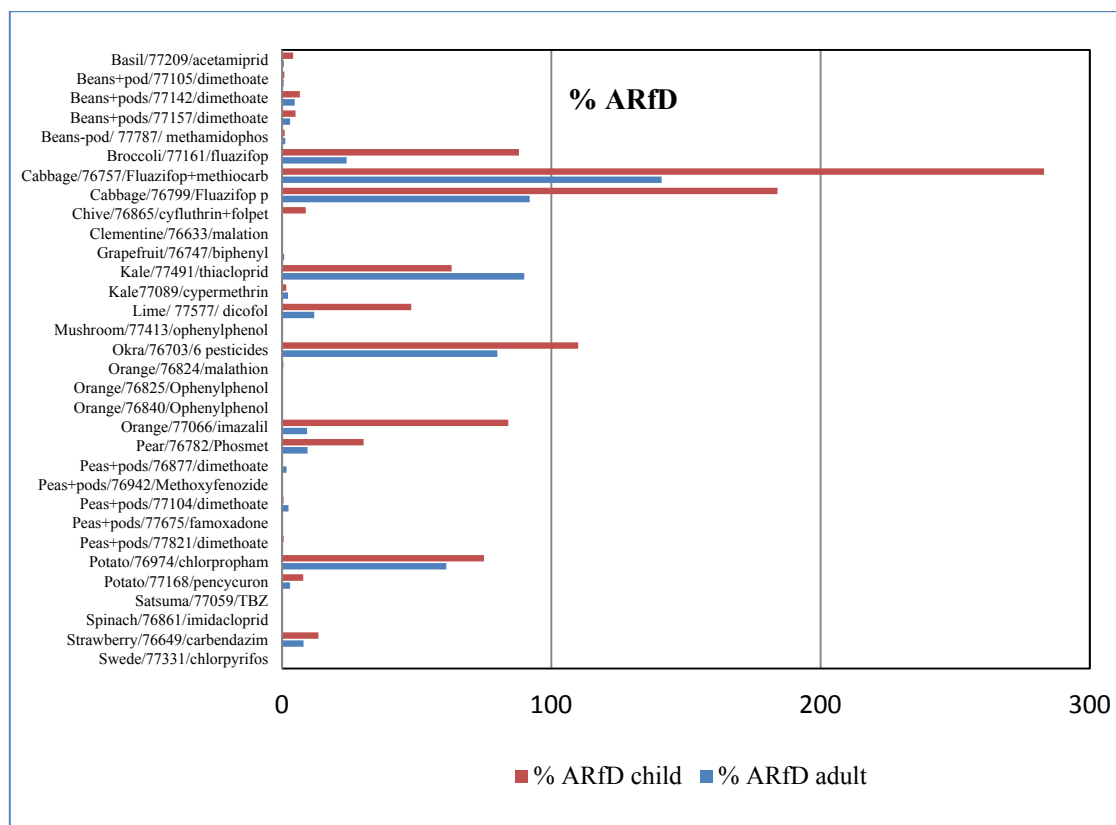


Figure 9: Estimated short term intakes of the MRL breaches as % of the ARfD

The acute or short term pesticide intake assessment for the 32 breaches indicate (Figure 9) that three such breaches exceeded the 100% ARfD which is deemed to be unacceptable. Two cabbage samples which came from the same source in Ireland had residue of **Fluazifop-P** and the estimated short term intake exceeded the ARfD of 0.017 mg/kg bw for that pesticide. The assessments indicated that 0.4% of adult consumers and 0.06% of child consumers could be exposed to levels of **Fluazifop-P** greater than the ARfD. This was based on consumption of cabbage of over 170 g day⁻¹ by eight adults and 142 g day⁻¹ by one child in the food surveys which are used as the basis for the assessment. A worst case scenario was assumed with no refinements for washing or boiling being applied to the assessments. The remainder of the crop left on the market and growing in the field was destroyed under supervision by officials from the Pesticide Control Division

An okra sample from India was found to contain 10 different pesticides and a metabolite, of which, 4 pesticides and the metabolite exceeded the MRLs. The additive assessment of these breaches gave a summed pesticide intake exceeding the ARfD with **Monocrotophos**, a toxic organophosphorus pesticide being the major contributor. This consignment which was sampled as part of the import control Regulation (EC) No. 669/2009 was destroyed.

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) - toxicological endpoint of a pesticide acceptable over a lifetime
- 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. Figure 10 depicts the estimated pesticide intake for the 32 breaches as a percentage of the ADI for the Irish adult and child. The results of the assessments are also provided to the FSAI.

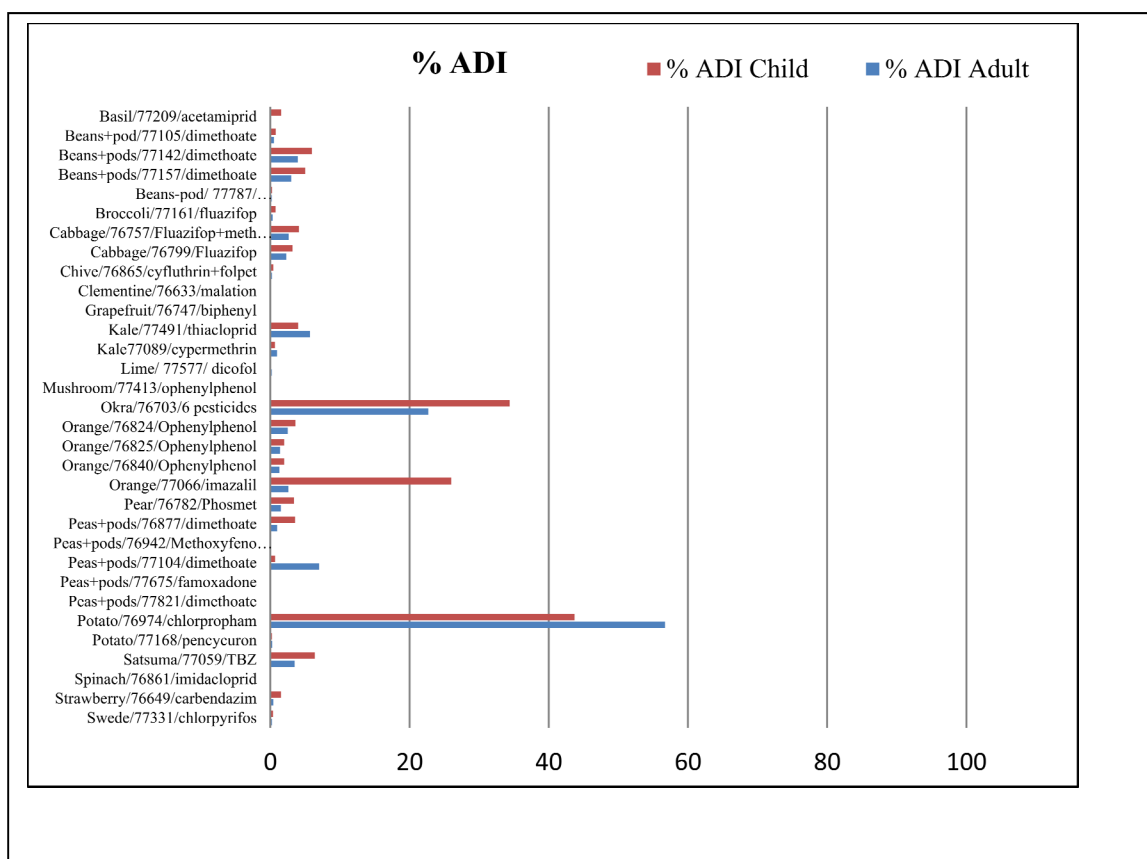


Figure 10 : Estimated chronic intakes of the MRL breaches as % of the ADI

There was no chronic intake exceedance for the 32 MRL breaches encountered in 2013. The highest intake was in a potato sample leading to an intake of Chlorpropham equivalent to 47% of the ADI. No refinement was carried out to account for possible reduction due to cooking.

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 Domestic MRL breaches detected as part of the annual monitoring plan

The PCD Enforcement Officer investigates all MRL breaches in samples of domestic origin. In 2013 three MRL breaches were detected in produce of domestic origin (cabbage, potatoes and swedes).

In the case of the head cabbage, **Fluazifop-P** was found at a level which posed a theoretical health risks to consumers. Follow up enforcement samples taken from retail outlets and directly from the grower, confirmed the levels of **Fluazifop-P** present in the original surveillance sample. On confirmation of the levels in question, all produce at retail level was recalled and destroyed, as was the remainder of the crop on the grower's holding. An administrative fine was applied against the grower concerned, who was also cross-reported to the DAFM Integrated Controls Division with respect to the MRL breach.

In the case of the breach of **Pencycuron** on potato, no health concern was identified. An investigation into the possible cause of the breach on the farm was inconclusive. As a precautionary measure, the grower was informed that potatoes from the holding would be targeted in 2014 as follow up action.

An investigation into a breach on a swede sample containing **Chlorpyrifos** also proved inconclusive. A warning letter was issued to the grower indicating that swedes from the holding would be targeted in 2014.

Two samples (Brussels sprouts and rapeseed oil) were taken as follow-up samples to breaches that occurred in 2012. No residue was detected in either sample.

8.2 Imported MRL breaches detected as part of the annual monitoring plan

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 targeted for special analysis and, if necessary, subjected to statutory actions.

Two samples from imported consignments (carrots and courgettes) were taken as follow-up samples to MRL breaches in 2012. No repeat non-compliance occurred and no further action was required.

8.3 Import Controls Regulation (EC) No. 669/2009 - MRL breaches

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. In 2013, 779 consignments were subject to these additional levels of controls (up from 289 in 2012).

Based on the laboratory result (and risk assessment where appropriate), a consignment is 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 2013, 82 consignments were held and subsequently tested for pesticide residues. A total of 13 samples (2 from one consignment) were found to breach relevant MRLs.

Table 25 outlines the actions taken for each of these breaches. Notifications were issued by the EU Rapid Alert System for Food and Feed (RASFF) for several of these breaches.

Table 25: Imports Controls - MRL breaches and enforcement action taken in 2013

Lab ID	Country of Origin	Commodity	Action taken
76649	Egypt	Strawberry	No risk identified. Consignment destroyed as residue > MRL when 50% uncertainty applied
76703	India	Okra	Risk identified. Consignment destroyed and RASFF notification issued
76824/5	Egypt	Oranges	No risk identified. Consignment destroyed as residue > MRL when 50% uncertainty applied
76840	Egypt	Oranges	No risk identified. Consignment released as residue < MRL when 50% uncertainty applied
76877	Kenya	Peas+Pods	No risk identified. Consignment destroyed as residue > MRL when 50% uncertainty applied
77066	Egypt	Oranges	Risk identified. Consignment redespached and RASFF notification issued
77104	Kenya	Peas+Pods	No risk identified. Consignment destroyed as residue > MRL when 50% uncertainty applied
77105	Kenya	Beans+ pods	No risk identified. Consignment released as residue < MRL when 50% uncertainty applied
77142	Kenya	Beans+Pods	Risk identified. Consignment destroyed
77157	Kenya	Beans+Pods	No risk identified. Consignment released as residue < MRL when 50% uncertainty applied
77675	Kenya	Peas+Pods	No risk identified. Consignment released as residue < MRL when 50% uncertainty applied
	India	Okra	Incomplete documentation, consignment destroyed
77821	Kenya	Peas+Pods	No risk identified. Consignment released as residue < MRL when 50% uncertainty applied

Figure 11 is an example of a border rejection notification of an okra sample from India issued by the RASFF unit which details the results, the origin of the consignment, and the action taken which is shared with other control bodies in the European Economic Area (EEA).

EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL
Directorate G – Veterinary and International affairs
G4 – Food, Alert system and training

RASFF
Rapid Alert System for Food and Feed

Brussels, 4 February, 2013

**RASFF
BORDER
REJECTION**

**FOOD
INFORMATION EXCHANGE**

BORDER REJECTION NOTIFICATION: 2013.AIW

ORIGINAL NOTIFICATION

**SUBJECT: MONOCROTOPHOS, PROFENOFOS, TRIAZOPHOS,
OMETHOATE, ACETAMIPRID AND DIMETHOATE IN
OKRA FROM INDIA**

Figure 11: RASFF notification of an okra sample issued in 2013

8.4 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.

The analytical results were generated by J. Garvey, F. O Regan, T. Walsh, M. Graham, M. Kelly, J. Coloe, W. Cummins, A. Ryan, C.O Connor, T.O Hara, M. O Connor, D. Smyth and D. Harris of the Pesticide Control Laboratory.

P. Carey and P. Killarney carried out the sampling; D McGilloway effected the violation investigations.

This report was compiled through the efforts of J. Acton and T. Medlycott.

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) No 149/2008

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. 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. L309 of 16.11.2013

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

Irish Legislation

The regulation and its amendments were transposed and updated into Irish legislation with the following statutory instrument in 2013:

S.I 581/2013

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 Analytical methods

Method No Matrix	Description
MRM 1 Fruit/Veg Cereal Honey	Analysis using gas chromatography, MS/MS and HPLC with MS/MS detector. Based on extraction method based on <i>Analytical Methods for Pesticide Residues in Foodstuffs</i> , 6 th edition, 1996, Ministry of Public Health, Welfare and Sport, The Netherlands.
MRM 2 Animal Fat	Analysis using gas chromatography, MS/MS and HPLC with MS/MS detector. Based on extraction based on clean-up method No. 5 of the <i>Manual of Pesticide Residue Analysis</i> DFG Deutsche Forschungsgemeinschaft, Volume 1, 1987 which involves the extraction with acetonitrile and acetone, clean-up using gel permeation chromatography column and alumina/silver nitrate micro columns (for organochlorine pesticides only).
MRM 3 Milk	Analysis using gas chromatography, MS/MS and HPLC with MS/MS detector. Based on Lehotay et al JAOAC Vol 88 No.2 2005 615. S.J. Lehotay, K. Mastovska, A.R. Lightfield, <i>Use of Buffer and Other Means to Improve Results of Problematic Pesticides in a Fast and Easy Method for Residue Analysis of Fruits and Vegetables</i> , JAOAC-Int., 88(2): 615-629. 2005
MRM 4 Infant food	Analysis using gas chromatography, MS/MS and HPLC with MS/MS detector Based on S.J. Lehotay, K. Mastovska, A.R. Lightfield, <i>Use of Buffer and Other Means to Improve Results of Problematic Pesticides in a Fast and Easy Method for Residue Analysis of Fruits and Vegetables</i> , JAOAC-Int., 88(2): 615-629. 2005
SRM Amitraz	Screening and confirmation of amitraz and its metabolites in food of plant origin and honey is based on the S.J. Lehotay, K. Mastovska, A.R. Lightfield, JAOAC-Int., 88(2): 615-629. 2005. Detection by LC-MS/MS.
SRM CS ₂	Screening, confirmation and quantitation of a range of dithiocarbamates in fruit, vegetables and infant formula/follow on formula are determined as CS ₂ following acid digestion degradation with tin chloride and hydrochloric acid and liquid extraction with trimethyl pentane and analysis by GC-MS.
SRM Glyphosate	Screening, confirmation and quantitation of Glyphosate, Glufosinate, Ethephon and some of their metabolites in cereals. Based on Quick Method for the Analysis of Residues of numerous Highly Polar Pesticides in Foods of Plant Origin involving Simultaneous Extraction with Methanol and LC-MS/MS Determination (QuPPE-Method), Version 7.1 Nov 2013 http://www.crl-pesticides.eu/library/docs/srm/meth_QuPPE.pdf
SRM Quats	Screening, confirmation and quantitation of Chlormequat, Mepiquat, Paraquat, Diquat, Daminoside and Cyromazine. Method based on the Quick Method for the Analysis of Residues of numerous Highly Polar Pesticides in Foods of Plant Origin involving Simultaneous Extraction with Methanol and LC-MS/MS Determination (QuPPE-Method), Version 7.1 Nov 2013 http://www.crl-pesticides.eu/library/docs/srm/meth_QuPPE.pdf

9.3 ANNEX III Scopes and LOQ of the Analytical methods used

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
1-Naphthyl acetamide	0.01	2,4,6Trichlorophenol	0.005	2,4,6Trichlorophenol	0.005	1-Naphthyl acetamide	0.01
2,4,5-T	0.01	3,5-Dichloroaniline	0.01	2,4-D	0.02	2,4,5-T	0.01
2,4,6-Trichlorophenol	0.01	3-Chloroaniline	0.005	2,4-DB	0.05	2,4,6Trichlorophenol	0.005
2,4-D	0.02	4,4-Dichlorobenzophenone	0.005	3,5-Dichloroaniline	0.01	2,4-D	0.02
2,4-DB	0.05	Acephate	0.05	3-Chloroaniline	0.005	2,4-DB	0.05
3,5-Dichloroaniline	0.01	Aclonifen	0.02	4,4-Dichlorobenzophenone	0.005	3,5-Dichloroaniline	0.01
3-Chloroaniline	0.01	Acrinathrin	0.005	Abamectin	0.01	3-Chloroaniline	0.005
4,4-Dichlorobenzophenone	0.01	Alachlor	0.005	Acephate	0.01	4,4-Dichlorobenzophenone	0.005
Abamectin	0.01	Aldrin	0.005	Acephate	0.05	Abamectin	0.01
Acephate	0.01	Ametryn	0.01	Acetamiprid	0.01	Acephate	0.01
Acetamiprid	0.01	Aminocarb	0.01	Acetochlor	0.01	Acetamiprid	0.05
Acetochlor	0.01	Anthraquinone	0.005	Acibenzolar-S-methyl	0.01	Acetochlor	0.01
Acibenzolar-S-methyl	0.01	Atrazine	0.01	Aclonifen	0.02	Acetochlor	0.01
Aclonifen	0.01	Azaconazole	0.005	Acrinathrin	0.005	Acibenzolar-S-methyl	0.01
Acrinathrin	0.01	Azamethiophos	0.01	Alachlor	0.005	Aclonifen	0.02
Alachlor	0.01	Azinphos-ethyl	0.005	Aldicarb	0.02	Acrinathrin	0.005
Aldicarb	0.02	Azinphos-methyl	0.01	Aldicarb sulfone	0.01	Alachlor	0.005
Aldicarb sulfone	0.01	Azoxystrobin	0.01	Aldicarb-sulfoxide	0.02	Aldicarb	0.02
Aldicarb-sulfoxide	0.02	Benalaxyl	0.01	Aldrin	0.005	Aldicarb sulfone	0.01
Aldrin	0.01	Bendiocarb	0.02	Ametryn	0.01	Aldicarb-sulfoxide	0.02
Ametryn	0.01	Bifenthrin	0.005	Amidosulfuron	0.01	Aldrin	0.005
Amidosulfuron	0.01	Biphenyl	0.005	Aminocarb	0.01	Ametryn	0.01
Aminocarb	0.01	Bitertanol-I	0.005	Anthraquinone	0.005	Amidosulfuron	0.01
Anthraquinone	0.01	Bitertanol-II	0.005	Asulam	0.02	Aminocarb	0.01
Asulam	0.02	Bixafen	0.10	Atrazine	0.01	Anthraquinone	0.005
Atrazine	0.01	Boscalid	0.02	Atrazine-desethyl	0.01	Asulam	0.02
Atrazine-desethyl	0.01	Bromacil	0.02	Atrazine-desisopropyl	0.01	Atrazine	0.01
Atrazine-desisopropyl	0.01	Bromophos-ethyl	0.005	Azaconazole	0.005	Atrazine-desethyl	0.01
Azaconazole	0.01	Bromophos-methyl	0.005	Azamethiophos	0.01	Atrazine-desisopropyl	0.01
Azamethiophos	0.01	Bromopropylate	0.005	Azinphos-ethyl	0.005	Azaconazole	0.005
Azinphos-ethyl	0.01	Bromuconazole	0.02	Azinphos-methyl	0.01	Azamethiophos	0.01
Azinphos-methyl	0.01	Bupirimate	0.01	Azoxystrobin	0.01	Azinphos-ethyl	0.005
Azoxystrobin	0.01	Buprofezin	0.01	Azoxystrobin	0.01	Azinphos-methyl	0.01
Benalaxyl	0.01	Butocarboxim-sulfoxide	0.05	Benalaxyl	0.01	Azoxystrobin	0.01
Bendiocarb	0.01	Cadusafos	0.01	Bendiocarb	0.01	Azoxystrobin	0.01
Bentazone	0.01	Carbaryl	0.01	Bentazone	0.01	Benalaxyl	0.01
Benthiavalicarb-isopropyl	0.01	Carbendazim	0.05	Benthiavalicarb-isopropyl	0.01	Bendiocarb	0.01
Benzoximate	0.01	Carbofuran	0.05	Benzoximate	0.01	Bentazone	0.01
Bifenthrin	0.01	Carbofuran 3 hydroxy	0.05	Bifenthrin	0.005	Benthiavalicarb-isopropyl	0.01
Binapacryl	0.01	Carbosulfan	0.05	Bioresmethrin	0.01	Benzoximate	0.01
Bioresmethrin	0.01	Carboxin	0.02	Biphenyl	0.005	Bifenthrin	0.005
Biphenyl	0.01	Chlorbromuron	0.01	Bitertanol-I	0.005	Bioresmethrin	0.01
Bitertanol	0.01	Chlorbufam	0.02	Bitertanol-II	0.005	Biphenyl	0.005
Bixafen	0.01	Chlordane-cis	0.005	Bixafen	0.01	Bitertanol-I	0.005
Boscalid	0.01	Chlordane-trans	0.005	Boscalid	0.01	Bitertanol-II	0.005
Bromacil	0.01	Chlorfenapyr	0.02	Boscalid	0.02	Bixafen	0.01
Bromophos-ethyl	0.01	Chlorfenvinphos	0.01	Bromacil	0.01	Boscalid	0.01
Bromophos-methyl	0.01	Chlorobenzilate	0.005	Bromophos-ethyl	0.005	Boscalid	0.02
Bromopropylate	0.01	Chlorothalonil	0.005	Bromophos-methyl	0.005	Bromacil	0.01
Bromoxynil	0.01	Chlorpropham	0.005	Bromopropylate	0.005	Bromophos-ethyl	0.005
Bromuconazole	0.01	Chlorpyrifos	0.01	Bromoxynil	0.01	Bromophos-methyl	0.005
Bupirimate	0.01	Chlorpyrifos-Methyl	0.005	Bromuconazole	0.01	Bromopropylate	0.005
Buprofezin	0.01	Chlorthal-dimethyl	0.005	Bupirimate	0.01	Bromoxynil	0.01
Butocarboxim-sulfoxide	0.01	Chlozolate	0.005	Buprofezin	0.01	Bromuconazole	0.01
Butoxycarboxim	0.01	Clofentezine	0.01	Butocarboxim-sulfoxide	0.01	Bupirimate	0.01
Cadusafos	0.01	Coumaphos	0.005	Butoxycarboxim	0.01	Buprofezin	0.01
Captafol	0.02	Cyanazine	0.01	Cadusafos	0.01	Butocarboxim-sulfoxide	0.01
Captan	0.01	Cyanofenphos	0.005	Carbaryl	0.01	Butoxycarboxim	0.01
Carbaryl	0.01	Cyanophos	0.005	Carbendazim	0.02	Cadusafos	0.01
Carbendazim	0.02	Cyazofamid	0.01	Carbofuran	0.01	Carbaryl	0.01

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
Carbofuran	0.01	Cyfluthrin	0.02	Carbofuran-3-hydroxy	0.01	Carbendazim	0.02
Carbofuran-3-hydroxy	0.01	Cyhalothrin-lambda	0.005	Carbosulfan	0.01	Carbofuran	0.01
Carbosulfan	0.01	Cypermethrin	0.05	Carboxin	0.01	Carbofuran-3-hydroxy	0.01
Carboxin	0.01	Cyproconazole	0.005	Carfentrazone-ethyl	0.01	Carbosulfan	0.01
Carfentrazone-ethyl	0.01	Cyprodinil	0.01	Chlorantraniliprole	0.01	Carboxin	0.01
Chlorantraniliprole	0.01	Deltamethrin	0.02	Chlorbromuron	0.01	Carfentrazone-ethyl	0.01
Chlorbromuron	0.01	Demeton-S-methyl sulfone	0.005	Chlorbufam	0.02	Chlorantraniliprole	0.01
Chlorbufam	0.01	Diazinon	0.005	Chlordane-cis	0.005	Chlorbromuron	0.01
Chlordane-cis	0.01	Dichlobenil	0.005	Chlordane-trans	0.005	Chlorbufam	0.02
Chlordane-trans	0.01	Dichlofluanid	0.005	Chlorfenapyr	0.02	Chlordane-cis	0.005
Chlorfenapyr	0.01	Dichlorvos	0.005	Chlorfenvinphos	0.01	Chlordane-trans	0.005
Chlorfenvinphos	0.01	Dicloran	0.005	Chlorfluazuron	0.01	Chlorfenapyr	0.02
Chlorfluazuron	0.01	Dieldrin	0.01	Chloridazon	0.01	Chlorfenvinphos	0.01
Chloridazon	0.01	Diethofencarb	0.01	Chlorobenzilate	0.005	Chlorfluazuron	0.01
Chlorobenzilate	0.01	Difenoconazole	0.01	Chlorothalonil	0.005	Chloridazon	0.01
Chlorothalonil	0.01	Dimethenamid	0.01	Chlorotoluron	0.01	Chlorobenzilate	0.005
Chlorotoluron	0.01	Dimethoate	0.005	Chloroxuron	0.01	Chlorothalonil	0.005
Chloroxuron	0.01	Dimethomorph	0.01	Chlorpropham	0.005	Chlorotoluron	0.01
Chlorpropham	0.01	Dimoxystrobin	0.005	Chlorpyrifos	0.01	Chloroxuron	0.01
Chlorpyrifos	0.01	Diniconazole	0.02	Chlorpyrifos-methyl	0.01	Chlorpropham	0.005
Chlorpyrifos-methyl	0.01	Diphenylamine	0.005	Chlorpyrifos-Methyl	0.005	Chlorpyrifos	0.01
Chlorsulfuron	0.01	Diuron	0.01	Chlorsulfuron	0.01	Chlorpyrifos-methyl	0.01
Chlorthal-dimethyl	0.01	Endosulfan-alpha	0.01	Chlorthal-dimethyl	0.005	Chlorpyrifos-Methyl	0.005
Chlozolate	0.01	Endosulfan-beta	0.01	Chlozolate	0.005	Chlorsulfuron	0.01
Clethodim	0.01	Endosulfan-ether	0.005	Clethodim	0.01	Chlorthal-dimethyl	0.005
Clodinafop-propargyl ester	0.01	Endosulfan-lacton	0.02	Clodinafop-propargyl ester	0.01	Chlozolate	0.005
Clofentezine	0.01	Endosulfan-sulfate	0.02	Clofentezine	0.01	Clethodim	0.01
Clomazone	0.01	Endrin	0.01	Clomazone	0.01	Clodinafop-propargyl ester	0.01
Clopyralid	0.05	EPN	0.005	Clopyralid	0.05	Clofentezine	0.01
Clothianidin	0.01	Epoxyconazole	0.01	Clothianidin	0.01	Clomazone	0.01
Coumaphos	0.01	Ethiofencarb	0.05	Coumaphos	0.005	Clopyralid	0.05
Cyanazine	0.01	Ethiofencarb sulfone	0.05	Cyanazine	0.01	Clothianidin	0.01
Cyanofenphos	0.01	Ethiofencarb sulfoxide	0.05	Cyanofenphos	0.005	Coumaphos	0.005
Cyanophos	0.01	Ethion	0.01	Cyanophos	0.005	Cyanazine	0.01
Cyazofamid	0.01	Ethofumesate	0.05	Cyazofamid	0.01	Cyanofenphos	0.005
Cyclanilide	0.10	Ethoprophos	0.005	Cyclanilide	0.10	Cyanophos	0.005
Cycloate	0.01	Etofenprox	0.02	Cycloate	0.01	Cyazofamid	0.01
Cycloxydim	0.05	Etoxazole	0.005	Cycloxydim	0.05	Cyclanilide	0.10
Cyfluthrin	0.01	Etridazole	0.005	Cyfluthrin	0.02	Cycloate	0.01
Cyfluthrin beta	0.01	Etrimfos	0.01	Cyhalothrin-lambda	0.005	Cycloxydim	0.05
Cyhalothrin lambda	0.01	Famoxadone	0.05	Cymiazole	0.01	Cyfluthrin	0.02
Cymiazole	0.01	Fenamidone	0.005	Cymoxanil	0.01	Cyhalothrin-lambda	0.005
Cymoxanil	0.01	Fenamiphos	0.01	Cypermethrin	0.05	Cymiazole	0.01
Cypermethrin	0.02	Fenarimol	0.005	Cyproconazole	0.005	Cymoxanil	0.01
Cyproconazole	0.01	Fenazaquin	0.01	Cyprodinil	0.01	Cypermethrin	0.05
Cyprodinil	0.01	Fenbuconazole	0.005	DEET	0.01	Cyproconazole	0.005
DEET	0.01	Fenchlorphos	0.005	Deltamethrin	0.02	Cyprodinil	0.01
Deltamethrin	0.01	Fenhexamid	0.01	Demeton-S-methyl sulfone	0.005	DEET	0.01
Demeton-s-methyl sulfone	0.01	Fenitrothion	0.005	Demeton-s-methyl sulfoxide	0.01	Deltamethrin	0.02
Demeton-s-methyl sulfoxide	0.01	Fenoxycarb	0.01	Desmedipham	0.01	Demeton-S-methyl sulfone	0.005
Desmedipham	0.01	Fenpropathrin	0.005	Diazinon	0.005	Demeton-s-methyl sulfoxide	0.01
Diazinon	0.01	Fenpropidin	0.02	Dichlobenil	0.005	Desmedipham	0.01
Dichlobenil	0.01	Fenpropimorph	0.05	Dichlofenthion	0.01	Diazinon	0.005
Dichlofenthion	0.01	Fenpyroximate	0.01	Dichlofluanid	0.005	Dichlobenil	0.005
Dichlofluanid	0.01	Fenthion	0.05	Dichlorprop-P	0.01	Dichlofenthion	0.01
Dichlorprop-P	0.01	Fenthion sulfone	0.01	Dichlorvos	0.005	Dichlofluanid	0.005
Dichlorvos	0.01	Fenthion sulfoxide	0.01	Diclobutrazol	0.01	Dichlorprop-P	0.01
Diclobutrazol	0.01	Fenvalerate-I	0.01	Dicloran	0.005	Dichlorvos	0.005
Dicloran	0.01	Fenvalerate-II	0.01	Dicrothophos	0.01	Diclobutrazol	0.01
Dicofol	0.01	Flamprop-isopropyl	0.01	Dieldrin	0.01	Dicloran	0.005
Dicrothophos	0.01	Flucythrinate-I	0.02	Diethofencarb	0.01	Dicrothophos	0.01
Dieldrin	0.01	Flucythrinate-II	0.02	Difenoconazole	0.01	Dieldrin	0.01
Diethofencarb	0.01	Fludioxonil	0.005	Diiflubenzuron	0.01	Diethofencarb	0.01
Difenoconazole	0.01	Flufenacet	0.01	Dimethenamid	0.01	Difenoconazole	0.01

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
Diiflubenuron	0.01	Flufenoxuron	0.02	Dimethoate	0.005	Diiflubenuron	0.01
Dimethenamid	0.01	Fluquinconazole	0.05	Dimethomorph	0.01	Dimethenamid	0.01
Dimethoate	0.01	Flurtamone	0.005	Dimoxystrobin	0.005	Dimethoate	0.005
Dimethomorph	0.01	Flusilazole	0.005	Diniconazole	0.01	Dimethomorph	0.01
Dimoxystrobin	0.01	Flutolanil	0.01	Dinitramine	0.01	Dimoxystrobin	0.005
Diniconazole	0.01	Flutriafol	0.01	Dinoseb	0.02	Diniconazole	0.01
Dinitramine	0.01	Fluvalinate-tau-I	0.02	Dinoterb	0.02	Dinitramine	0.01
Dinoseb	0.02	Fluvalinate-tau-II	0.02	Dioxacarb	0.01	Dinoseb	0.02
Dinoterb	0.02	Fonofos	0.005	Diphenamid	0.01	Dinoterb	0.02
Dioxacarb	0.01	Formothion	0.005	Diphenylamine	0.005	Dioxacarb	0.01
Diphenamid	0.01	Fosthiazate	0.01	Ditalimfos	0.01	Diphenamid	0.01
Diphenylamine	0.01	Fuberidazole	0.01	Diuron	0.01	Diphenylamine	0.005
Ditalimfos	0.01	Furalaxyl	0.005	DMSA	0.02	Ditalimfos	0.01
Diuron	0.01	Furathiocarb	0.01	DMST	0.02	Diuron	0.01
DMSA	0.02	HCH-alpha	0.005	DNOC	0.01	DMSA	0.02
DMST	0.02	HCH-beta	0.005	Dodine	0.01	DMST	0.02
DNOC	0.01	HCH-delta	0.005	Emamectin benzoate	0.01	DNOC	0.01
Dodine	0.01	Heptachlor	0.005	Endosulfan-alpha	0.01	Dodine	0.01
Emamectin benzoate	0.01	Heptachlor endo epoxide	0.005	Endosulfan-beta	0.01	Emamectin benzoate	0.01
Endosulfan alpha	0.01	Heptachlor exo epoxide	0.005	Endosulfan-ether	0.005	Endosulfan-alpha	0.01
Endosulfan beta	0.01	Heptenophos	0.01	Endosulfan-lacton	0.02	Endosulfan-beta	0.01
Endosulfan ether	0.01	Hexachlorobenzene	0.005	Endosulfan-sulfate	0.02	Endosulfan-ether	0.005
Endosulfan lacton	0.01	Hexaconazole	0.005	Endosulfan-sulfate	0.02	Endosulfan-lacton	0.02
Endosulfan sulfate	0.02	Hexythiazox	0.01	Endrin	0.01	Endosulfan-sulfate	0.02
Endosulfan-sulfate	0.02	Imazalil	0.02	EPN	0.005	Endosulfan-sulfate	0.02
Endrin	0.01	Indoxacarb	0.01	Epoxiconazole	0.01	Endrin	0.01
EPN	0.01	Iodofenphos	0.005	EPTC	0.01	EPN	0.005
Epoxiconazole	0.01	Iprovalicarb-I	0.02	Ethiofencarb	0.01	Epoxiconazole	0.01
EPTC	0.01	Iprovalicarb-II	0.02	Ethiofencarb sulfone	0.02	EPTC	0.01
Esfenvalerate	0.01	Isazophos	0.005	Ethiofencarb sulfoxide	0.02	Ethiofencarb	0.01
Ethiofencarb	0.01	Isodrin	0.005	Ethion	0.01	Ethiofencarb sulfone	0.02
Ethiofencarb sulfone	0.02	Isofenphos	0.01	Ethirimol	0.01	Ethiofencarb sulfoxide	0.02
Ethiofencarb sulfoxide	0.02	Isofenphos	0.005	Ethofumesate	0.01	Ethion	0.01
Ethion	0.01	Isofenphos-methyl	0.005	Ethoprophos	0.005	Ethirimol	0.01
Ethirimol	0.01	Isofenphos-oxon	0.005	Etofenprox	0.01	Ethofumesate	0.01
Ethofumesate	0.01	Isoprocarb	0.01	Etoazole	0.005	Ethoprophos	0.005
Ethoprophos	0.01	Isoprothiolane	0.01	Etridazole	0.005	Etofenprox	0.01
Etofenprox	0.01	Isoproturon	0.01	Etrimfos	0.01	Etoazole	0.005
Etoazole	0.01	Kresoxim-methyl	0.01	Famoxadone	0.01	Etridazole	0.005
Etridazole	0.01	Lenacil	0.005	Fenamidon	0.005	Etrimfos	0.01
Etrimfos	0.01	Lindane	0.005	Fenamiphos	0.01	Famoxadone	0.01
Famoxadone	0.01	Linuron	0.01	Fenamiphos-sulfone	0.01	Fenamidon	0.005
Fenamidon	0.01	Lufenuron	0.05	Fenamiphos-sulfoxide	0.01	Fenamiphos	0.01
Fenamiphos	0.01	Malaoxon	0.01	Fenarimol	0.005	Fenamiphos-sulfone	0.01
Fenamiphos-sulfone	0.01	Malathion	0.01	Fenazaquin	0.01	Fenamiphos-sulfoxide	0.01
Fenamiphos-sulfoxide	0.01	MCPA methyl ester	0.005	Fenbuconazole	0.005	Fenarimol	0.005
Fenarimol	0.01	Mecarbam	0.005	Fenchlorphos	0.005	Fenazaquin	0.01
Fenazaquin	0.01	Mepanipyrim	0.01	Fenhexamid	0.01	Fenbuconazole	0.005
Fenbuconazole	0.01	Mepronil	0.01	Fenitrothion	0.005	Fenchlorphos	0.005
Fenchlorphos	0.01	Metalaxyl	0.01	Fenoprop (2,4,5 TP)	0.01	Fenhexamid	0.01
Fenhexamid	0.01	Metazachlor	0.01	Fenothiocarb	0.01	Fenitrothion	0.005
Fenitrothion	0.01	Metconazole	0.02	Fenoxaprop-P	0.01	Fenoprop (2,4,5 TP)	0.01
Fenoprop (2,4,5 TP)	0.01	Methacrifos	0.005	Fenoxycarb	0.01	Fenothiocarb	0.01
Fenothiocarb	0.01	Methamidophos	0.005	Fenpiclonil	0.01	Fenoxaprop-P	0.01
Fenoxaprop-P	0.01	Methidathion	0.01	Fenpropathrin	0.005	Fenoxycarb	0.01
Fenoxycarb	0.01	Methiocarb	0.01	Fenpropidin	0.01	Fenpiclonil	0.01
Fenpiclonil	0.01	Methiocarb sulfone	0.05	Fenpropimorph	0.01	Fenpropathrin	0.005
Fenpropathrin	0.01	Methiocarb sulfoxide	0.05	Fenpyroximate	0.01	Fenpropidin	0.01
Fenpropidin	0.01	Methomyl	0.05	Fenthion	0.01	Fenpropimorph	0.01
Fenpropimorph	0.01	Methoxychlor	0.02	Fenthion sulfone	0.01	Fenpyroximate	0.01
Fenpyroximate	0.01	Methoxyfenozide	0.05	Fenthion sulfoxide	0.01	Fenthion	0.01
Fenthion	0.01	Metobromuron	0.01	Fenuron	0.01	Fenthion sulfone	0.01
Fenthion sulfone	0.01	Metolachlor	0.01	Fenvalerate-I	0.01	Fenthion sulfoxide	0.01
Fenthion sulfoxide	0.01	Metribuzin	0.005	Fenvalerate-II	0.01	Fenuron	0.01
Fenuron	0.01	Mevinphos	0.005	Fipronil	0.01	Fenvalerate-I	0.01
Fenvalerate	0.01	Mirex	0.005	Fipronil desulfinyl	0.01	Fenvalerate-II	0.01
Fipronil	0.01	Molinate	0.02	Fipronil sulfide	0.01	Fipronil	0.01
Fipronil desulfinyl	0.01	Molinate	0.02	Fipronil sulfone	0.01	Fipronil desulfinyl	0.01
Fipronil sulfide	0.01	Myclobutanil	0.01	Flamprop isopropyl	0.01	Fipronil sulfide	0.01

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
Fipronil sulfone	0.01	Napropamide	0.02	Flazasulfuron	0.01	Fipronil sulfone	0.01
Flamprop isopropyl	0.01	Nitrofen	0.02	Flonicamid	0.01	Flamprop isopropyl	0.01
Flazasulfuron	0.01	Nonachlor-trans	0.005	Florasulam	0.01	Flazasulfuron	0.01
Flonicamid	0.01	Nuarimol	0.005	Fluazifop (free acid)	0.02	Flonicamid	0.01
Florasulam	0.01	Omethoate	0.005	Fluazifop-P-butyl	0.01	Florasulam	0.01
Fluazifop (free acid)	0.02	opDDD	0.005	Fluazinam	0.01	Fluazifop (free acid)	0.02
Fluazifop-P-butyl	0.01	opDDE	0.005	Flubendiamide	0.01	Fluazifop-P-butyl	0.01
Fluazinam	0.01	opDDT	0.01	Flucycloxuron	0.01	Fluazinam	0.01
Flubendiamide	0.01	o-Phenyphenol	0.005	Flucythrinate-I	0.02	Flubendiamide	0.01
Flucycloxuron	0.01	Oxadixyl	0.005	Flucythrinate-II	0.02	Flucycloxuron	0.01
Flucythrinate	0.01	Oxychlorane	0.005	Fludioxonil	0.005	Flucythrinate-I	0.02
Fludioxonil	0.01	Paclobutrazol	0.01	Flufenacet	0.01	Flucythrinate-II	0.02
Flufenacet	0.01	Paraaxon ethyl	0.01	Flufenoxuron	0.01	Fludioxonil	0.005
Flufenoxuron	0.01	Paraaxon methyl	0.005	Fluopicolide	0.01	Flufenacet	0.01
Fluopicolide	0.01	Parathion-ethyl	0.005	Fluopyram	0.01	Flufenoxuron	0.01
Fluopyram	0.01	Parathion-methyl	0.005	Fluquinconazole	0.01	Fluopicolide	0.01
Fluquinconazole	0.01	PCB 101	0.005	Flurochloridone	0.01	Fluopyram	0.01
Flurochloridone	0.01	PCB 118	0.005	Flurtamone	0.005	Fluquinconazole	0.01
Flurtamone	0.01	PCB 138	0.005	Flusilazole	0.005	Flurochloridone	0.01
Flusilazole	0.01	PCB 153	0.005	Flutolanil	0.01	Flurtamone	0.005
Flutolanil	0.01	PCB 180	0.005	Flutriafol	0.01	Flusilazole	0.005
Flutriafol	0.01	PCB 28	0.005	Fluvalinate-tau-I	0.02	Flutolanil	0.01
Fluvalinate-tau	0.01	PCB 52	0.005	Fluvalinate-tau-II	0.02	Flutriafol	0.01
Fluxapyroxad	0.01	Penconazole	0.01	Fluxapyroxad	0.01	Fluvalinate-tau-I	0.02
Folpet	0.01	Pencycuron	0.01	Fonofos	0.005	Fluvalinate-tau-II	0.02
Fonofos	0.01	Pendimethalin	0.005	Forchlorfenuron	0.01	Fluxapyroxad	0.01
Forchlorfenuron	0.01	Pentachloroaniline	0.005	Formothion	0.005	Fonofos	0.005
Formothion	0.01	Permethrin-I	0.02	Fosthiazate	0.01	Forchlorfenuron	0.01
Fosthiazate	0.01	Permethrin-II	0.02	Fuberidazole	0.01	Formothion	0.005
Fuberidazole	0.01	Phenmedipham	0.01	Furalaxyl	0.005	Fosthiazate	0.01
Furalaxyl	0.01	Phenthoate	0.005	Furathiocarb	0.01	Fuberidazole	0.01
Furathiocarb	0.01	Phorate sulfoxide	0.01	Furmecyclox	0.01	Furalaxyl	0.005
Furmecyclox	0.01	Phosalone	0.005	Haloxifyfop	0.02	Furathiocarb	0.01
Haloxifyfop	0.02	Phosmet	0.005	Haloxifyfop-methyl	0.01	Furmecyclox	0.01
Haloxifyfop-methyl	0.01	Phosphamidon-I	0.005	HCH-alpha	0.005	Haloxifyfop	0.02
HCH-alpha	0.01	Phosphamidon-II	0.005	HCH-beta	0.005	Haloxifyfop-methyl	0.01
HCH-beta	0.01	Phoxim	0.01	HCH-delta	0.005	HCH-alpha	0.005
HCH-delta	0.01	Picoxystrobin	0.02	Heptachlor	0.005	HCH-beta	0.005
Heptachlor	0.01	Pirimicarb	0.005	Heptachlor endo epoxide	0.005	HCH-delta	0.005
Heptachlor-endo-epoxide	0.01	Pirimicarb desmethyl	0.005	Heptachlor exo epoxide	0.005	Heptachlor	0.005
Heptachlor-exo-epoxide	0.01	Pirimiphos ethyl	0.01	Heptenophos	0.01	Heptachlor endo epoxide	0.005
Heptenophos	0.01	Pirimiphos methyl	0.01	Hexachlorobenzene	0.005	Heptachlor exo epoxide	0.005
Hexachlorobenzene	0.01	ppDDD	0.005	Hexaconazole	0.005	Heptenophos	0.01
Hexaconazole	0.01	ppDDE	0.005	Hexaflumuron	0.01	Hexachlorobenzene	0.005
Hexaflumuron	0.01	ppDDT	0.01	Hexythiazox	0.01	Hexaconazole	0.005
Hexythiazox	0.01	Prochloraz	0.05	Imazalil	0.01	Hexaflumuron	0.01
Imazalil	0.01	Procymidone	0.005	Imazamox	0.01	Hexythiazox	0.01
Imazamox	0.01	Profenofos	0.005	Imazaquin	0.01	Imazalil	0.01
Imazaquin	0.01	Prometryn	0.01	Imazethapyr	0.01	Imazamox	0.01
Imazethapyr	0.01	Propachlor	0.005	Imidacloprid	0.01	Imazaquin	0.01
Imidacloprid	0.01	Propanil	0.005	Indoxacarb	0.01	Imazethapyr	0.01
Indoxacarb	0.01	Propargite	0.005	Iodofenphos	0.005	Imidacloprid	0.01
Iodofenphos	0.01	Propetamphos	0.005	Iodosulfuron-methyl-sodium	0.01	Indoxacarb	0.01
Iodosulfuron-methyl-sodium	0.01	Propham	0.005	Ioxynil	0.01	Iodofenphos	0.005
Ioxynil	0.01	Propiconazole-I	0.005	Iprovalicarb-I	0.02	Iodosulfuron-methyl-sodium	0.01
Iprodione	0.01	Propiconazole-II	0.005	Iprovalicarb-II	0.02	Ioxynil	0.01
Iprovalicarb	0.01	Propoxur	0.01	Isazophos	0.005	Iprovalicarb-I	0.02
Isazofos	0.01	Propyzamide	0.01	Isocarbofos	0.01	Iprovalicarb-II	0.02
Isocarbofos	0.01	Prothiofos	0.005	Isodrin	0.005	Isazophos	0.005
Isodrin	0.01	Pyraclostrobin	0.01	Isofenphos	0.02	Isocarbofos	0.01
Isofenphos	0.01	Pyrazophos	0.01	Isofenphos-methyl	0.005	Isodrin	0.005
Isofenphos-methyl	0.01	Pyrethrin	0.05	Isofenphos-oxon	0.005	Isofenphos	0.02
Isofenphos-oxon	0.01	Pyridaben	0.02	Isoprocab	0.01	Isofenphos-oxon	0.005
Isoprocab	0.01	Pyridaben	0.005			Isofenphos-methyl	0.005

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
Isoprothiolane	0.01	Pyridaphenthion	0.01	Isoprothiolane	0.01	Isofenphos-oxon	0.005
Isoproturon	0.01	Pyrifenox-I	0.01	Isoproturon	0.01	Isoprocab	0.01
Kresoxim-methyl	0.01	Pyrifenox-II	0.01	Kresoxim-methyl	0.01	Isoprothiolane	0.01
Lenacil	0.01	Pyrimethanil	0.01	Lenacil	0.005	Isoproturon	0.01
Lindane	0.01	Pyriproxifen	0.01	Lindane	0.005	Kresoxim-methyl	0.01
Linuron	0.01	Quinalphos	0.01	Linuron	0.01	Lenacil	0.005
Lufenuron	0.01	Quinoxifen	0.02	Lufenuron	0.01	Lindane	0.005
Malaoxon	0.01	Quintozene	0.005	Malaoxon	0.01	Linuron	0.01
Malathion	0.01	Quizalofop	0.05	Malathion	0.01	Lufenuron	0.01
Mandipropamid	0.01	Resmethrin	0.10	Mandipropamid	0.01	Malaoxon	0.01
MCPA	0.02	Rotenone	0.02	MCPA	0.02	Malathion	0.01
MCPA Methyl Ester	0.01	Silthiofam	0.005	MCPA methyl ester	0.005	Mandipropamid	0.01
MCPB	0.01	Simazine	0.01	MCPB	0.01	MCPA	0.02
Mecarbam	0.01	Spirodiclofen	0.02	Mecarbam	0.005	MCPA methyl ester	0.005
Mecoprop-P	0.01	Spiroxamine	0.02	Mecoprop-P	0.01	MCPB	0.01
Mefenpyr-diethyl	0.01	Tebuconazole	0.01	Mefenpyr-diethyl	0.01	Mecarbam	0.005
Mepanipyrin	0.01	Tebufenozide	0.05	Mepanipyrin	0.01	Mecoprop-P	0.01
Mephosfolan	0.01	Tebufenpyrad	0.02	Mephosfolan	0.01	Mefenpyr-diethyl	0.01
Mepronil	0.01	Tecnazene	0.005	Mepronil	0.01	Mepanipyrin	0.01
Mesosulfuron-methyl	0.01	Tefluthrin	0.005	Mesosulfuron-methyl	0.01	Mephosfolan	0.01
Metalaxyl	0.01	Terbutylazine	0.01	Metalaxyl	0.01	Mepronil	0.01
Metamitron	0.01	Tetraconazole	0.005	Metamitron	0.01	Mesosulfuron-methyl	0.01
Metazachlor	0.01	Tetradifon	0.005	Metazachlor	0.01	Metalaxyl	0.01
Metconazole	0.01	Tetramethrin-I	0.02	Metconazole	0.01	Metamitron	0.01
Methacrifos	0.01	Tetramethrin-II	0.02	Methacrifos	0.005	Metazachlor	0.01
Methamidophos	0.01	Thiabendazole	0.01	Methamidophos	0.01	Metconazole	0.01
Methidathion	0.01	Thiacloprid	0.02	Methamidophos	0.005	Methacrifos	0.005
Methiocarb	0.01	Tolclofos-methyl	0.005	Methidathion	0.01	Methamidophos	0.01
Methiocarb sulfone	0.01	Tolylfluanid	0.005	Methiocarb	0.01	Methamidophos	0.005
Methiocarb sulfoxide	0.01	Triadimefon	0.005	Methiocarb sulfone	0.01	Methidathion	0.01
Methomyl	0.01	Triadimenol-I	0.02	Methiocarb sulfoxide	0.01	Methiocarb	0.01
Methoprene	0.01	Triadimenol-II	0.02	Methomyl	0.01	Methiocarb sulfone	0.01
Methoxychlor	0.01	Triazophos	0.01	Methoprene	0.01	Methiocarb sulfoxide	0.01
Methoxyfenozide	0.01	Trifloxystrobin	0.01	Methoxychlor	0.02	Methomyl	0.01
Metobromuron	0.01	Triflumizole	0.01	Methoxyfenozide	0.01	Methoprene	0.01
Metolachlor	0.01	Triflumizole	0.01	Metobromuron	0.01	Methoxychlor	0.02
Metosulam	0.01	Trifluralin	0.005	Metolachlor	0.01	Methoxyfenozide	0.01
Metoxuron	0.01	Triticonazole	0.01	Metosulam	0.01	Metobromuron	0.01
Metrafenone	0.01	Vamidothion	0.01	Metoxuron	0.01	Metolachlor	0.01
Metribuzin	0.01	Vinclozolin	0.005	Metrafenone	0.01	Metosulam	0.01
Metsulfuron-methyl	0.01	Zoxamide	0.01	Metribuzin	0.005	Metoxuron	0.01
Mevinphos	0.01			Metsulfuron-methyl	0.01	Metrafenone	0.01
Mirex	0.01			Mevinphos	0.005	Metribuzin	0.005
Molinate	0.01			Mirex	0.005	Metsulfuron-methyl	0.01
Monocrothophos	0.02			Molinate	0.01	Mevinphos	0.005
Monolinuron	0.01			Molinate	0.02	Mirex	0.005
Myclobutanyl	0.01			Monocrothophos	0.02	Molinate	0.01
Napropamide	0.01			Monolinuron	0.01	Molinate	0.02
Naptalam	0.01			Myclobutanyl	0.01	Monocrothophos	0.02
Neburon	0.01			Napropamide	0.01	Monolinuron	0.01
Nicosulfuron	0.01			Naptalam	0.01	Myclobutanyl	0.01
Nitenpyram	0.01			Neburon	0.01	Napropamide	0.01
Nitrofen	0.01			Nicosulfuron	0.01	Naptalam	0.01
Nonachlor-trans	0.01			Nitenpyram	0.01	Neburon	0.01
Nuarimol	0.01			Nitrofen	0.02	Nicosulfuron	0.01
Omethoate	0.01			Nonachlor-trans	0.005	Nitenpyram	0.01
op DDD	0.01			Nuarimol	0.005	Nitrofen	0.02
op DDE	0.01			Omethoate	0.005	Nonachlor-trans	0.005
op DDT	0.01			opDDD	0.005	Nuarimol	0.005
o-Phenylphenol	0.01			opDDE	0.005	Omethoate	0.005
Oxadiazon	0.01			opDDT	0.01	opDDD	0.005
Oxadixyl	0.01			o-Phenylphenol	0.005	opDDE	0.005
Oxamyl	0.01			Oxadiazon	0.01	opDDT	0.01
Oxamyl-oxime	0.01			Oxadixyl	0.005	o-Phenylphenol	0.005
Oxy-chlordane	0.01			Oxamyl	0.01	Oxadiazon	0.01
Oxyfluorfen	0.01			Oxamyl-oxime	0.01	Oxadixyl	0.005
Paclobutrazol	0.01			Oxychlordane	0.005	Oxamyl	0.01
Paraoxon-ethyl	0.01			Oxyfluorfen	0.01	Oxamyl-oxime	0.01
Paraoxon-methyl	0.01			Paclobutrazol	0.01	Oxychlordane	0.005
Parathion-ethyl	0.01			Paraoxon methyl	0.005	Oxyfluorfen	0.01
Parathion-methyl	0.01			Paraoxon-ethyl	0.01	Paclobutrazol	0.01

Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
PCB No. 101	0.01			Paraoxon-methyl	0.01	Paraoxon methyl	0.005
PCB No. 118	0.01			Parathion-ethyl	0.005	Paraoxon-ethyl	0.01
PCB No. 138	0.01			Parathion-methyl	0.005	Paraoxon-methyl	0.01
PCB No. 153	0.01			PCB 101	0.005	Parathion-ethyl	0.005
PCB No. 180	0.01			PCB 118	0.005	Parathion-methyl	0.005
PCB No. 28	0.01			PCB 138	0.005	PCB 101	0.005
PCB No. 52	0.01			PCB 153	0.005	PCB 118	0.005
Penconazole	0.01			PCB 180	0.005	PCB 138	0.005
Pencycuron	0.01			PCB 28	0.005	PCB 153	0.005
Pendimethalin	0.01			PCB 52	0.005	PCB 180	0.005
Pentachloroaniline	0.01			Penconazole	0.01	PCB 28	0.005
Permethrin	0.01			Pencycuron	0.01	PCB 52	0.005
Pethoxamid	0.01			Pendimethalin	0.005	Penconazole	0.01
Phenmedipham	0.01			Pentachloroaniline	0.005	Pencycuron	0.01
Phenthoate	0.01			Permethrin-I	0.02	Pendimethalin	0.005
Phorate	0.01			Permethrin-II	0.02	Pentachloroaniline	0.005
Phorate sulfoxide	0.01			Pethoxamid	0.01	Permethrin-I	0.02
Phosalone	0.01			Phenmedipham	0.01	Permethrin-II	0.02
Phosmet	0.01			Phenthoate	0.005	Pethoxamid	0.01
Phosmet-oxon	0.01			Phorate	0.01	Phenmedipham	0.01
Phosphamidon	0.01			Phorate sulfoxide	0.01	Phenthoate	0.005
Phoxim	0.01			Phosalone	0.005	Phorate	0.01
Picloram	0.01			Phosmet	0.005	Phorate sulfoxide	0.01
Picoxystrobin	0.01			Phosmet-oxon	0.01	Phosalone	0.005
Pirimicarb	0.01			Phosphamidon-I	0.005	Phosmet	0.005
Pirimicarb desmethyl	0.01			Phosphamidon-II	0.005	Phosmet-oxon	0.01
Pirimifos-ethyl	0.01			Phoxim	0.01	Phosphamidon-I	0.005
Pirimifos-methyl	0.01			Picloram	0.01	Phosphamidon-II	0.005
pp DDD	0.01			Picoxystrobin	0.01	Phoxim	0.01
pp DDE	0.01			Pirimicarb	0.005	Picloram	0.01
pp DDT	0.01			Pirimicarb desmethyl	0.005	Picoxystrobin	0.01
Prochloraz	0.01			Pirimifos-ethyl	0.01	Pirimicarb	0.005
Procymidone	0.01			Pirimifos-methyl	0.01	Pirimicarb desmethyl	0.005
Profenophos	0.01			ppDDD	0.005	Pirimifos-ethyl	0.01
Promecarb	0.01			ppDDE	0.005	Pirimifos-methyl	0.01
Prometon	0.01			ppDDT	0.01	ppDDD	0.005
Prometryn	0.01			Prochloraz	0.05	ppDDE	0.005
Propachlor	0.01			Procymidone	0.005	ppDDT	0.01
Propamocarb free base	0.01			Profenofos	0.005	Prochloraz	0.05
Propanil	0.01			Promecarb	0.01	Procymidone	0.005
Propaquizafop	0.01			Prometon	0.01	Profenofos	0.005
Propargite	0.01			Prometryn	0.01	Promecarb	0.01
Propazine	0.01			Propachlor	0.005	Prometon	0.01
Propetamphos	0.01			Propamocarb free base	0.01	Prometryn	0.01
Propham	0.01			Propanil	0.005	Propachlor	0.005
Propiconazole	0.01			Propaquizafop	0.01	Propamocarb free base	0.01
Propoxur	0.01			Propargite	0.005	Propanil	0.005
Propoxycarbazon	0.01			Propazine	0.01	Propaquizafop	0.01
sodium							
Propyzamide	0.01			Propetamphos	0.005	Propargite	0.005
Proquinazid	0.01			Propham	0.005	Propazine	0.01
Prosulfocarb	0.01			Propiconazole-I	0.005	Propetamphos	0.005
Prosulfuron	0.01			Propiconazole-II	0.005	Propham	0.005
Prothioconazole	0.01			Propoxur	0.01	Propiconazole-I	0.005
desthio							
Prothiophos	0.01			Propoxycarbazon	0.01	Propiconazole-II	0.005
				sodium			
Pymetrozine	0.02			Propyzamide	0.01	Propoxur	0.01
Pyraclostrobin	0.01			Proquinazid	0.01	Propoxycarbazon	0.01
						sodium	
Pyrazophos	0.01			Prosulfocarb	0.01	Propyzamide	0.01
Pyrethrins	0.05			Prosulfuron	0.01	Proquinazid	0.01
Pyridaben	0.01			Prothioconazole	0.01	Prosulfocarb	0.01
				desthio			
Pyridaben	0.01			Prothiofos	0.005	Prosulfuron	0.01
Pyridaphenthion	0.01			Pymetrozine	0.02	Prothioconazole	0.01
						desthio	
Pyrifenox	0.02			Pyraclostrobin	0.01	Prothiofos	0.005
Pyrimethanil	0.01			Pyrazophos	0.01	Pymetrozine	0.02
Pyriproxyfen	0.01			Pyrethrins	0.05	Pyraclostrobin	0.01
Quinalphos	0.01			Pyridaben	0.01	Pyrazophos	0.01

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Fruits, Veggies, Cereals, Honey Method		Animal Fats method		Milk method		Infant Food Method	
Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹	Standard	LOQ mg kg ⁻¹
				Trifloxystrobin	0.01	Triclopyr	0.01
				Triflumizole	0.02	Tricyclazole	0.01
				Triflumizole	0.01	Trifloxystrobin	0.01
				Triflumuron	0.01	Triflumizole	0.02
				Trifluralin	0.005	Triflumizole	0.01
				Triflusulfuron-methyl	0.01	Triflumuron	0.01
				Triticonazole	0.01	Trifluralin	0.005
				Vamidothion	0.01	Triflusulfuron-methyl	0.01
				Vinclozolin	0.005	Triticonazole	0.01
				Zoxamide	0.01	Vamidothion	0.01
						Vinclozolin	0.005
						Zoxamide	0.01
SRM Amitraz		SRM CS2		SRM Glyphosate		SRM Quats	
Compound Name	LOQ mg/kg ⁻¹	Compound Name	LOQ mg/kg ⁻¹	Compound Name	LOQ mg/kg ⁻¹	Compound Name	LOQ mg/kg ⁻¹
Amitraz	0.01	Dithiocarbamates	0.05	AMPA	0.08	Chlormequat	0.01
DMA	0.05			Ethephon	0.04	Cyromazine	0.01
DMF	0.01			Glufosinate ammonium	0.08	Daminozide	0.01
DMPF	0.01			Glyphosate	0.08	Mepiquat	0.01
				MPPA	0.08	Paraquat	0.05
				N Acetyl glyphosate	0.08	Diquat	

9.4 ANNEX IV Analytical results

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
CITRUS	Grapefruit	Israel	76972	2,4-D	0.036	1		
				Chlorpyrifos	0.016	0.3		
			77007	Imazalil	3.18	5		
				Thiabendazole	1.58	5		
				Chlorpyrifos	0.018	0.3		
				Imazalil	1.98	5		
		Peru	77550	Pyrimethanil	1.6	10		
				Pyriproxyfen	0.04	0.6		
				Thiabendazole	1.32	5		
				2,4-D	0.27	1		
				Buprofezin	0.016	1		
				Fenpropathrin	0.035	2		
				Hexythiazox	0.012	1		
				Imazalil	2.82	5		
				Pyrimethanil	0.047	10		
				Thiabendazole	3.8	5		
				77585	2,4-D	0.19		1
					Fenpropathrin	0.045		2
					Hexythiazox	0.022		1
					Imazalil	2.91		5
		Ortho-Phenylphenol	0.022		5			
		Pyrimethanil	1.11		10			
		Thiabendazole	3.29		5			
		S Africa	77120		2,4-D	0.065		1
					Cypermethrin	0.035		2
					Dithiocarbamates	0.18		5
				Imazalil	3.79	5		
				Imidacloprid	0.024	1		
				Pyraclostrobin	0.056	1		
		77121	77204	2,4-D	0.032	1		
				Buprofezin	0.023	1		
				Chlorantraniliprole	0.029	0.7		
				Dithiocarbamates	0.11	5		
				Imazalil	4.68	5		
				Imidacloprid	0.012	1		
				Pyraclostrobin	0.045	1		
				Thiabendazole	1.49	5		
				2,4-D	0.12	1		
				Cypermethrin	0.042	2		
		77265	77524	Imazalil	2.84	5		
				Pyraclostrobin	0.04	1		
				2,4-D	0.084	1		
				Imazalil	1.05	5		
				Ortho-Phenylphenol	0.027	5		
				Pyraclostrobin	0.021	1		
		77524	77624	Anthraquinone	0.01	0.01		
				Imazalil	0.62	5		
				Pyraclostrobin	0.041	1		
				2,4-D	0.12	1		
		77719	77719	Chlorpyrifos	0.066	0.3		
Imazalil	3.59			5				
Imidacloprid	0.014			1				
Ortho-Phenylphenol	0.01			5				
Thiabendazole	1.03			5				
2,4-D	0.063			1				
Azoxystrobin	0.01			15				
Chlorpyrifos	0.012			0.3				
Imazalil	1.42			5				
Imidacloprid	0.01			1				
Trifloxystrobin	0.011			0.3				
Turkey	76747			2,4,6-Trichlorophenol	0.18	10		
				Biphenyl	0.012	0.01		
				Carbendazim	0.032	0.2		
		Chlorpyrifos	0.13	0.3				
		Imazalil	1.79	5				
		Ortho-Phenylphenol	0.094	5				
		Prochloraz	1.6	10				
		Pyriproxyfen	0.01	0.6				
		Thiabendazole	1.14	5				
		76843	76843	2,4,6-Trichlorophenol	0.11	10		
Chlorpyrifos	0.24			0.3				

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Imazalil	1.18	5	
				Ortho-Phenylphenol	0.031	5	
				Prochloraz	1.12	10	
				Thiabendazole	1.08	5	
			77068	None Detected Above Loq			Tinned
			77720	Acetamiprid	0.014	1	
				Chlorpyrifos	0.067	0.3	
				Imazalil	1.36	5	
				Pyriproxyfen	0.012	0.6	
				Thiabendazole	0.24	5	
	Grapefruit Juice	Unknown	76675	None Detected Above Loq			
			77282	Thiabendazole	0.013	5	Processed Processed
	Pomelo	Vietnam	76789	Carbendazim	0.02	0.2	
	Orange	Egypt	76699	Imazalil	3.38	5	
				Ortho-Phenylphenol	2.87	5	
				Thiabendazole	2.64	5	
			76805	None Detected Above Loq			Organic
			76868	Imazalil	2.73	5	
				Ortho-Phenylphenol	2.68	5	
				Thiabendazole	1.98	5	
			76903	Chlorpyrifos	0.3	0.3	
				Imazalil	2.2	5	
				Metalaxyl	0.01	0.5	
				Ortho-Phenylphenol	1.64	5	
				Pyriproxyfen	0.016	0.6	
				Thiabendazole	2.09	5	
			76928	Imazalil	2.19	5	
				Thiabendazole	0.69	5	
			76973	Fenprothrin	0.019	2	
				Imazalil	2.13	5	
				Ortho-Phenylphenol	0.024	5	
				Thiabendazole	0.73	5	
			77054	2,4,6-Trichlorophenol	0.013	10	
				Chlorpyrifos	0.098	0.3	
				Imazalil	2.07	5	
				Ortho-Phenylphenol	1.33	5	
				Pyriproxyfen	0.014	0.6	
				Thiabendazole	1.7	5	
			77100	Chlorpyrifos	0.058	0.3	
				Imazalil	1.43	5	
				Ortho-Phenylphenol	0.027	5	
				Thiabendazole	0.67	5	
			77252	None Detected Above Loq			Organic
		Morocco	76957	Chlorpyrifos	0.26	0.3	
				Imazalil	0.58	5	
				Ortho-Phenylphenol	0.65	5	
		S Africa	77192	2,4-D	0.038	1	
				Imazalil	1.93	5	
				Imidacloprid	0.035	1	
				Pyraclostrobin	0.029	2	
				Thiabendazole	0.79	5	
			77220	2,4-D	0.32	1	
				Carbendazim	0.044	0.2	
				Imazalil	1.43	5	
			77266	2,4-D	0.034	1	
				Imazalil	2.2	5	
				Imidacloprid	0.024	1	
				Pyraclostrobin	0.038	2	
				Thiabendazole	0.39	5	
			77300	2,4-D	0.078	1	
				Imazalil	2.53	5	
				Imidacloprid	0.073	1	
			77301	Azoxystrobin	0.055	15	
				Imazalil	0.63	5	
				Pyriproxyfen	0.015	0.6	
			77357	2,4-D	0.043	1	
				Carbendazim	0.11	0.2	
				Imazalil	3.61	5	
				Ortho-Phenylphenol	0.024	5	
			77474	2,4-D	0.066	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Imazalil	3.12	5	
				Imidacloprid	0.047	1	
				Thiabendazole	0.6	5	
			77496	2,4-D	0.06	1	
				Imazalil	4.17	5	
				Prothiophos	0.01	0.01	
				Pyraclostrobin	0.043	2	
				Thiabendazole	2.35	5	
			77588	2,4-D	0.075	1	
				Imazalil	1.05	5	
				Imidacloprid	0.012	1	
				Thiabendazole	0.6	5	
			77638	2,4-D	0.049	1	
				Imazalil	2.13	5	
		Spain	76666	Chlorpyrifos	0.01	0.3	
				Imazalil	0.49	5	
			76671	Chlorpyrifos	0.019	0.3	
				Chlorpyrifos-Methyl	0.14	0.5	
				Dimethoate	0.014	0.02	
				Imazalil	2.97	5	
			76686	Chlorpyrifos	0.025	0.3	
				Imazalil	1.52	5	
			76693	Pyriproxyfen	0.01	0.6	
			76718	Chlorpyrifos	0.28	0.3	
				Chlorpyrifos-Methyl	0.017	0.5	
				Hexythiazox	0.012	1	
				Imazalil	2.02	5	
				Pyriproxyfen	0.02	0.6	
				Thiabendazole	0.017	5	
			76737	Chlorpyrifos	0.1	0.3	
				Imazalil	1.5	5	
			76745	Chlorpyrifos	0.15	0.3	
				Imazalil	2.06	5	
				Myclobutanyl	0.82	3	
				Ortho-Phenylphenol	0.98	5	
			76771	Chlorpyrifos	0.091	0.3	
			76827	Chlorpyrifos	0.23	0.3	
				Imazalil	2.07	5	
				Thiabendazole	0.092	5	
			76831	Chlorpyrifos	0.072	0.3	
				Imazalil	1.79	5	
			76844	2,4,6-Trichlorophenol	0.011	10	
				Chlorpyrifos	0.081	0.3	
				Chlorpyrifos-Methyl	0.072	0.5	
				Imazalil	1.27	5	
				Myclobutanyl	0.69	3	
				Ortho-Phenylphenol	0.54	5	
			76941	Chlorpyrifos	0.15	0.3	
				Imazalil	1.17	5	
				Ortho-Phenylphenol	0.07	5	
			77048	Chlorpyrifos	0.061	0.3	
				Chlorpyrifos-Methyl	0.012	0.5	
				Imazalil	0.7	5	
			77146	Chlorpyrifos	0.056	0.3	
				Imazalil	3.97	5	
				Imidacloprid	0.022	1	
				Ortho-Phenylphenol	2.07	5	
				Propargite	0.032	3	
				Thiabendazole	2.32	5	
			77155	Chlorpyrifos	0.037	0.3	
				Dithiocarbamates	0.24	5	
				Hexythiazox	0.01	1	
				Imazalil	2.05	5	
				Propargite	0.046	3	
			77752	Chlorpyrifos	0.043	0.3	
				Chlorpyrifos-Methyl	0.013	0.5	
				Imazalil	0.71	5	
			77753	Chlorpyrifos	0.019	0.3	
				Chlorpyrifos-Methyl	0.017	0.5	
				Etofenprox	0.069	1	
				Imazalil	1.49	5	
			77774	Chlorpyrifos	0.059	0.3	
				Imazalil	0.99	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
Orange Juice	Spain	US	76659	Imazalil	0.058	5	Processed
				Ortho-Phenylphenol	0.01	5	
			76662	None Detected Above Loq			Processed
		Unknown	76660	Imazalil	0.05	5	Processed
				Ortho-Phenylphenol	0.03	5	
				Thiabendazole	0.036	5	
			76661	None Detected Above Loq			Processed/Organic
			76676	Carbendazim	0.086	0.2	Processed
			76677	Carbendazim	0.11	0.2	Processed
			76678	Carbendazim	0.037	0.2	Processed
			76701	Carbendazim	0.056	0.2	Processed
			76702	Carbendazim	0.078	0.2	Processed
			76739	Carbendazim	0.082	0.2	Processed
			77281	None Detected Above Loq			Processed
			77283	None Detected Above Loq			Processed
			77310	None Detected Above Loq			Processed
			77314	Imazalil	0.12	5	Processed
				Ortho-Phenylphenol	0.079	5	
				Thiabendazole	0.11	5	
			77316	None Detected Above Loq			Processed
			77319	None Detected Above Loq			Processed
			77370	None Detected Above Loq			Processed
			77756	Carbendazim	0.045	0.2	Processed
				Imazalil	0.13	5	
				Pyrimethanil	0.051	10	
				Thiabendazole	0.13	5	
			77763	None Detected Above Loq			Processed
			77764	None Detected Above Loq			Processed
			77768	None Detected Above Loq			Processed
Lemon	Argentina		77097	2,4-D	0.02	1	
				Imazalil	2.09	5	
				Thiabendazole	0.7	5	
			77218	2,4-D	0.034	1	
				Imazalil	2.48	5	
				Ortho-Phenylphenol	0.86	5	
				Thiabendazole	0.62	5	
			77262	Imazalil	4.46	5	
				Thiabendazole	1.1	5	
			77337	Carbendazim	0.63	0.7	
				Imazalil	3.3	5	
				Ortho-Phenylphenol	0.39	5	
				Pyrimethanil	0.69	10	
				Thiabendazole	0.7	5	
				Trifloxystrobin	0.015	0.3	
		Italy	76736	Chlorpyrifos-Methyl	0.035	0.3	
				Imazalil	1.48	5	
			76966	None Detected Above Loq			Organic
		Spain	76813	Chlorpyrifos	0.012	0.2	
				Chlorpyrifos-Methyl	0.087	0.3	
				Pyriproxyfen	0.042	0.6	
				Terbuthylazine	0.013	0.1	
			76826	Chlorpyrifos	0.042	0.2	
				Chlorpyrifos-Methyl	0.036	0.3	
				Ortho-Phenylphenol	0.082	5	
				Pyriproxyfen	0.011	0.6	
			76867	2,4,6-Trichlorophenol	0.16	10	
				Chlorpyrifos	0.018	0.2	
				Imazalil	0.51	5	
				Prochloraz	1.53	10	
				Tebuconazole	0.011	0.5	
			77709	2,4,6-Trichlorophenol	0.018	10	
				Imazalil	0.038	5	
				Imidacloprid	0.013	1	
				Prochloraz	0.01	10	
				Thiabendazole	0.4	5	
		Turkey	76696	2,4,6-Trichlorophenol	0.11	10	
				Chlorpyrifos	0.068	0.2	
				Fenpropimorph	0.01	0.05	
				Imazalil	1.19	5	
				Prochloraz	1.87	10	
				Thiabendazole	0.79	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Limes	Uruguay	77552	Acetamiprid	0.02	1	
				Buprofezin	0.021	1	
				Chlorpyrifos	0.088	0.2	
			77582	Chlorpyrifos	0.096	0.2	
				Ethoprophos	0.018	0.02	
				Imazalil	0.084	5	
				Pyriproxyfen	0.016	0.6	
				Thiabendazole	0.022	5	
			77420	Imazalil	1.18	5	
		Brazil	76638	2,4-D	0.046	1	
				Imazalil	1.45	5	
				Thiabendazole	0.043	5	
			76669	2,4,6-Trichlorophenol	0.011	10	
				2,4-D	0.086	1	
				Carbendazim	0.02	0.7	
				Imazalil	1.06	5	
			76685	2,4,6-Trichlorophenol	0.012	10	
				2,4-D	0.11	1	
				Chlorpyrifos	0.01	0.3	
				Imazalil	0.87	5	
			76866	2,4-D	0.029	1	
				Chlorpyrifos	0.03	0.3	
				Imazalil	2.27	5	
				Thiabendazole	0.13	5	
			76912	Imazalil	1.29	5	
			77050	2,4,6-Trichlorophenol	0.27	10	
				Carbendazim	0.02	0.7	
				Etopenprox	0.053	1	
				Imazalil	1.04	5	
				Prochloraz	1.77	10	
			77338	Ortho-Phenylphenol	0.033	5	
			77577	2,4-D	0.13	1	
				Dicofol	0.12	0.02	Breach
				Imazalil	1.23	5	
			77751	2,4,6-Trichlorophenol	0.19	10	
				2,4-D	0.27	1	
				Bifenthrin	0.017	0.1	
				Chlorpyrifos	0.012	0.3	
				Imazalil	1.92	5	
				Prochloraz	0.65	10	
				Pyraclostrobin	0.011	1	
				Tebuconazole	0.028	5	
				Trifloxystrobin	0.011	0.3	
		Mexico	77107	Imazalil	0.41	5	
				Ortho-Phenylphenol	0.02	5	
				Thiabendazole	0.068	5	
			77812	Imazalil	2.06	5	
	Mandarin	Israel	76830	2,4-D	0.08	1	
				Chlorpyrifos	0.91	2	
				Dichlorprop	0.011	0.05	
				Imazalil	1.96	5	
				Pyrimethanil	0.018	10	
				Thiabendazole	1.5	5	
		Morocco	76895	Imazalil	4.02	5	
				Pyrimethanil	1.69	10	
				Thiabendazole	2.75	5	
		Peru	77029	Hexythiazox	0.01	1	
				Imazalil	2.46	5	
				Pyrimethanil	0.017	10	
				Thiabendazole	3.44	5	
			77334	Fenpropathrin	0.055	2	
				Imazalil	1.03	5	
				Imidacloprid	0.016	1	
				Thiabendazole	1.79	5	
			77525	Fenpropathrin	0.12	2	
				Imazalil	3.11	5	
				Imidacloprid	0.17	1	
				Pyrimethanil	0.012	10	
				Pyriproxyfen	0.083	0.6	
				Thiabendazole	2.08	5	
		S Africa	77555	2,4-D	0.36	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE			
	Clementine	Spain	76804	Imazalil	2.34	5	Organic			
				Pyraclostrobin	0.016	1				
				Pyrimethanil	0.68	10				
				Thiabendazole	0.78	5				
				Chlorpyrifos	0.015	2				
			76835	Hexythiazox	0.015	1				
				Imazalil	1.07	5				
				Thiabendazole	2.45	5				
				Chlorpyrifos	0.59	2				
				Imazalil	2.95	5				
		Unknown	77769	Pyridaben	0.02	0.5	Tinned			
				Thiabendazole	0.026	5				
				None Detected Above Loq						
				Argentina	77219	Azoxystrobin		0.088	15	Breach
						Imazalil		1.64	5	
		Pyraclostrobin	0.025			1				
		Pyrimethanil	0.28			10				
		Thiabendazole	0.034			5				
		Morocco	76633		Chlorpyrifos	0.093	2			
					Imazalil	1.42	5			
					Malathion	0.021	0.02			
					76721	Chlorpyrifos	0.2	2		
						Imazalil	3.1	5		
		Peru	76746	Pyrimethanil	0.014	10				
				Chlorpyrifos	0.12	2				
				Imazalil	3.22	5				
				Pyrimethanil	1.27	10				
				Thiabendazole	0.073	5				
			76780	Imazalil	1.53	5				
				76788	Chlorpyrifos	0.062	2			
				76856	Imazalil	3.36	5			
					Pyrimethanil	0.11	10			
					Imazalil	2.02	5			
		S Africa	77185		Pyrimethanil	0.41	10			
					Thiabendazole	0.022	5			
				2,4-D	0.3	1				
				Hexythiazox	0.084	1				
				Imazalil	3.91	5				
			77132	Pyrimethanil	5.34	10				
				Thiabendazole	2.95	5				
				2,4-D	0.091	1				
				Imazalil	1.89	5				
				Pyrimethanil	1.91	10				
		Spain	77147	Thiabendazole	1.14	5				
				2,4-D	0.13	1				
				Imazalil	1.67	5				
				2,4-D	0.15	1				
				Imazalil	1.66	5				
			77328	Pyrimethanil	0.58	10				
				Thiabendazole	0.078	5				
				2,4-D	0.14	1				
				Imazalil	1.06	5				
				Pyrimethanil	0.023	10				
		Spain	77424	Thiabendazole	0.45	5				
				2,4-D	0.052	1				
				Chlorpyrifos	0.1	2				
				Imazalil	1.04	5				
				Imidacloprid	0.012	1				
			76634	Pyrimethanil	0.94	10				
				Thiabendazole	0.75	5				
				Chlorpyrifos	0.18	2				
				Chlorpyrifos-Methyl	0.012	1				
				Imazalil	2.88	5				
		Spain	76653	Tebufenpyrad	0.013	0.5				
				Chlorpyrifos	0.064	2				
				Imazalil	3.8	5				
				Ortho-Phenylphenol	3.61	5				
				Thiabendazole	0.59	5				
			76687	Chlorpyrifos	0.062	2				
				Hexythiazox	0.015	1				
				Imazalil	0.66	5				
				Tebufenpyrad	0.046	0.5				

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			76717	Thiabendazole	0.95	5	
				Chlorpyrifos	0.21	2	
				Diphenylamine	0.016	0.05	
				Hexythiazox	0.026	1	
				Imazalil	3.45	5	
			76729	Thiabendazole	3.39	5	
				Chlorpyrifos	0.017	2	
				Imazalil	0.51	5	
				Pyriproxyfen	0.032	0.6	
			76767	Chlorpyrifos	0.46	2	
				Dithiocarbamates	0.05	5	
				Hexythiazox	0.012	1	
				Imazalil	3.35	5	
				Ortho-Phenylphenol	1.42	5	
				Thiabendazole	0.03	5	
			76819	Chlorpyrifos	0.16	2	
				Imazalil	0.024	5	
				Thiabendazole	0.031	5	
			76860	Chlorpyrifos	0.26	2	
				Pyraclostrobin	0.043	1	
				Pyriproxyfen	0.029	0.6	
				Tebuconazole	0.037	3	
			77637	Chlorpyrifos	0.55	2	
				Imazalil	0.95	5	
				Pyriproxyfen	0.014	0.6	
			77640	Chlorpyrifos	0.34	2	
				Imazalil	0.92	5	
				Pyriproxyfen	0.018	0.6	
			77706	Chlorpyrifos	0.027	2	
				Imazalil	2.85	5	
				Thiabendazole	4.03	5	
			77721	Chlorpyrifos	0.042	2	
				Chlorpyrifos-Methyl	0.019	1	
				Etofenprox	0.012	1	
				Imazalil	1.67	5	
				Ortho-Phenylphenol	0.033	5	
			77747	Chlorpyrifos	0.25	2	
				Etoazole	0.01	0.1	
				Imazalil	1.26	5	
				Ortho-Phenylphenol	0.015	5	
			77775	Chlorpyrifos	0.18	2	
				Imazalil	2.18	5	
				Ortho-Phenylphenol	0.022	5	
				Thiabendazole	0.15	5	
			77815	Chlorpyrifos	0.057	2	
				Chlorpyrifos-Methyl	0.07	1	
				Imazalil	1.64	5	
				Ortho-Phenylphenol	0.013	5	
	Minneola	Peru	77235	2,4-D	0.23	1	
				Buprofezin	0.014	1	
				Hexythiazox	0.017	1	
				Imazalil	2.67	5	
				Pyrimethanil	2.61	10	
				Thiabendazole	2.49	5	
			77267	2,4-D	0.31	1	
				Buprofezin	0.016	1	
				Hexythiazox	0.033	1	
				Imazalil	3.27	5	
				Pyrimethanil	2.48	10	
				Thiabendazole	2.75	5	
			77339	2,4-D	0.2	1	
				Hexythiazox	0.014	1	
				Imazalil	4.45	5	
				Pyrimethanil	4.69	10	
				Thiabendazole	1.64	5	
			77354	2,4-D	0.25	1	
				Hexythiazox	0.033	1	
				Imazalil	4.76	5	
				Pyrimethanil	4.4	10	
				Thiabendazole	2.77	5	
			77425	2,4-D	0.16	1	
				Boscalid	0.025	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Imazalil	1.51	5	
				Pyrimethanil	0.2	10	
			77437	Thiabendazole	1.82	5	
				Fenpropathrin	0.069	2	
				Imazalil	3.2	5	
				Imidacloprid	0.069	1	
				Pyrimethanil	0.016	10	
				Pyriproxyfen	0.059	0.6	
				Thiabendazole	1.32	5	
			77450	Imazalil	0.42	5	
				Thiabendazole	0.54	5	
			77473	2,4-D	0.12	1	
				Imazalil	1.81	5	
				Thiabendazole	0.43	5	
	Satsuma	Argentina	76923	2,4,6-Trichlorophenol	0.046	10	
				Azoxystrobin	0.059	15	
				Chlorpyrifos	0.2	2	
				Difenoconazole	0.014	0.1	
				Imazalil	1.55	5	
				Ortho-Phenylphenol	0.018	5	
				Prochloraz	0.53	10	
				Pyrimethanil	0.48	10	
			76933	2,4,6-Trichlorophenol	0.055	10	
				Azoxystrobin	0.1	15	
				Chlorpyrifos	0.11	2	
				Difenoconazole	0.016	0.1	
				Dithiocarbamates	0.17	5	
				Imazalil	0.98	5	
				Ortho-Phenylphenol	0.013	5	
				Prochloraz	0.69	10	
				Pyrimethanil	0.41	10	
		Israel	76924	2,4-D	0.065	1	
				Chlorpyrifos	0.023	2	
				Imazalil	3.42	5	
				Ortho-Phenylphenol	0.18	5	
				Pyrimethanil	0.95	10	
				Thiabendazole	1.8	5	
		Peru	76943	2,4-D	0.25	1	
				Chlorpyrifos	0.035	2	
				Hexythiazox	0.019	1	
				Imazalil	2.52	5	
				Pyrimethanil	2.74	10	
				Thiabendazole	1.8	5	
			77011	2,4-D	0.32	1	
				Fenpropathrin	0.12	2	
				Imazalil	3.21	5	
				Pyrimethanil	4.39	10	
				Pyriproxyfen	0.029	0.6	
				Thiabendazole	1.75	5	
			77032	2,4-D	0.26	1	
				Imazalil	2.51	5	
				Pyrimethanil	2.6	10	
				Thiabendazole	2.9	5	
			77498	Buprofezin	0.039	1	
				Chlorpyrifos	0.24	2	
				Fenpropathrin	0.32	2	
				Hexythiazox	0.04	1	
				Imazalil	2.71	5	
				Ortho-Phenylphenol	0.013	5	
				Thiabendazole	0.87	5	
		S Africa	76969	2,4-D	0.15	1	
				Imazalil	0.21	5	
				Ortho-Phenylphenol	0.051	5	
				Pyrimethanil	1.76	10	
				Thiabendazole	1.06	5	
			77019	2,4-D	0.17	1	
				Chlorpyrifos	0.028	2	
				Imazalil	1.54	5	
				Malathion	0.01	0.02	
				Ortho-Phenylphenol	0.021	5	
				Pyrimethanil	1.81	10	
				Thiabendazole	0.017	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
POME FRUIT	Apple	Spain	77059	2,4-D	0.46	1	Breach
				Imazalil	4.13	5	
				Imidacloprid	0.013	1	
				Malathion	0.01	0.02	
				Ortho-Phenylphenol	0.022	5	
			77101	Thiabendazole	5.66	5	
				2,4-D	0.045	1	
				Imazalil	0.93	5	
				Pyrimethanil	2.47	10	
				Thiabendazole	0.2	5	
			77586	Chlorpyrifos	0.055	2	
				Imazalil	1.03	5	
				Pyriproxyfen	0.011	0.6	
				Thiabendazole	1.63	5	
			77589	Imazalil	1.64	5	
				Imidacloprid	0.014	1	
				Ortho-Phenylphenol	0.16	5	
				Thiabendazole	1.06	5	
			77621	Chlorpyrifos	0.086	2	
				Imazalil	1.65	5	
				Pyriproxyfen	0.012	0.6	
				Thiabendazole	0.012	5	
			77623	Chlorpyrifos	0.16	2	
				Imazalil	1.69	5	
				Ortho-Phenylphenol	0.01	5	
				Pyriproxyfen	0.022	0.6	
			77707	Chlorpyrifos	0.08	2	
				Chlorpyrifos-Methyl	0.012	1	
				Imazalil	1.38	5	
				Ortho-Phenylphenol	0.012	5	
				Pyriproxyfen	0.012	0.6	
		Uruguay	77006	Thiabendazole	1.06	5	
				2,4,6-Trichlorophenol	0.13	10	
				Imazalil	2.22	5	
				Ortho-Phenylphenol	0.51	5	
				Prochloraz	1.31	10	
		Argentina	77017	Chlorantraniliprole	0.14	0.5	Organic
				Fludioxonil	0.15	5	
				Thiabendazole	0.04	5	
		Austria	77079	None Detected Above Loq			
				Boscalid	0.01	2	
			76715	Chlorpyrifos	0.019	0.5	
				Fenoxycarb	0.016	1	
		Brazil	77710	Boscalid	0.095	2	
				Fenoxycarb	0.01	1	
			76901	Pyraclostrobin	0.064	0.3	
				Dithiocarbamates	0.35	5	
				Phosmet	0.085	0.2	
				Spirodiclofen	0.025	0.8	
			76925	Chlorpyrifos	0.023	0.5	
				Etofenprox	0.021	1	
				Pyraclostrobin	0.022	0.3	
				Trifloxystrobin	0.025	0.5	
			76934	2,4,6-Trichlorophenol	0.01	0.05	
				Acetamiprid	0.032	0.7	
				Carbendazim	0.042	0.2	
				Chlorpyrifos	0.014	0.5	
				Dithiocarbamates	0.38	5	
		77013		Trifloxystrobin	0.012	0.5	
				Acetamiprid	0.066	0.7	
				Phosmet	0.041	0.2	
				Chlorpyrifos	0.017	0.5	
				Difenoconazole	0.03	0.5	
		77094		Dithiocarbamates	0.19	5	
				Acetamiprid	0.015	0.8	
				Dithiocarbamates	0.89	5	
				Pyraclostrobin	0.019	0.3	
				Pyrimethanil	0.021	5	
		77114		Acetamiprid	0.081	0.8	
				Dithiocarbamates	0.63	5	
				Phosmet	0.019	0.2	
				Pyraclostrobin	0.023	0.3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			77135	Dithiocarbamates	0.46	5	
				Etofenprox	0.078	1	
				Pyraclostrobin	0.088	0.3	
			77149	Chlorpyrifos	0.029	0.5	
				Dithiocarbamates	0.58	5	
				Dodine	0.12	5	
				Phosmet	0.039	0.2	
			77184	Phosmet	0.027	0.2	
				Pyraclostrobin	0.017	0.3	
			77186	Pyraclostrobin	0.01	0.3	
			77234	Acetamiprid	0.047	0.8	
				Captan	0.067	3	
			77236	Acetamiprid	0.016	0.8	
				Carbendazim	0.021	0.2	
				Dodine	0.039	5	
				Phosmet	0.016	0.2	
				Spirodiclofen	0.013	0.8	
			77258	Etofenprox	0.062	1	
				Pyraclostrobin	0.12	0.3	
			77336	Acetamiprid	0.049	0.8	
				Dithiocarbamates	0.79	5	
				Phosmet	0.013	0.2	
				Pyraclostrobin	0.012	0.3	
		Chile	76999	Acetamiprid	0.05	0.7	
				Phosmet	0.022	0.2	
				Pyrimethanil	0.41	5	
				Thiabendazole	0.025	5	
			77117	Acetamiprid	0.047	0.8	
				Diphenylamine	0.27	5	
				Thiabendazole	0.25	5	
			77150	Acetamiprid	0.033	0.8	
				Phosmet	0.028	0.2	
				Pyrimethanil	3.4	5	
				Thiacloprid	0.033	0.3	
			77190	Acetamiprid	0.015	0.8	
				Pyrimethanil	0.024	5	
		France	77353	None Detected Above Loq			
			76627	Fludioxonil	0.14	5	
			76672	Fludioxonil	0.096	5	
			76735	Fludioxonil	0.15	5	
			76815	Boscalid	0.063	2	
				Chlorpyrifos	0.046	0.5	
				Diphenylamine	0.015	5	
				Dodine	0.044	5	
				Fludioxonil	0.16	5	
				Pyraclostrobin	0.039	0.3	
			76817	Boscalid	0.016	2	
				Chlorpyrifos	0.01	0.5	
				Diphenylamine	0.036	5	
			76820	None Detected Above Loq			
			76834	Chlorpyrifos	0.043	0.5	
				Fludioxonil	0.039	5	
			76896	Fludioxonil	0.016	5	
				Thiabendazole	0.016	5	
			76898	Chlorpyrifos	0.017	0.5	
				Dithiocarbamates	0.05	5	
				Fludioxonil	0.029	5	
				Imazalil	0.025	2	
				Ortho-Phenylphenol	0.016	0.05	
				Thiabendazole	0.023	5	
			76937	None Detected Above Loq			
			77044	Fludioxonil	0.15	5	
			77148	Chlorpyrifos	0.011	0.5	
				Diphenylamine	0.46	5	
				Thiabendazole	0.41	5	
			77423	None Detected Above Loq			
			77451	Fludioxonil	0.016	5	
				Propargite	0.016	3	
				Pyrimethanil	0.04	5	
				Thiabendazole	0.015	5	
				Thiacloprid	0.034	0.3	
			77452	None Detected Above Loq			
			77468	Chlorpyrifos	0.036	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Dodine	0.013	5	
				Fenoxycarb	0.01	1	
			77573	None Detected Above Loq			
			77625	Fludioxonil	0.11	5	
			77676	Chlorpyrifos	0.013	0.5	
			77677	None Detected Above Loq			
			77723	Fludioxonil	0.01	5	
			77776	Boscalid	0.014	2	
				Dodine	0.01	5	
				Fludioxonil	0.03	5	
			77797	Chlorpyrifos	0.028	0.5	
				Fludioxonil	0.021	5	
			77801	None Detected Above Loq			
		Germany	76632	Trifloxystrobin	0.015	0.5	
			76744	None Detected Above Loq			
			76833	Captan	0.078	3	
				Trifloxystrobin	0.032	0.5	
		Holland	76956	Boscalid	0.16	2	Organic
				Cyprodinil	0.24	1	
				Fludioxonil	0.12	5	
				Pyraclostrobin	0.014	0.3	
		Ireland	77449	Myclobutanyl	0.011	0.5	
			77712	Chlorpyrifos	0.021	0.5	
				Myclobutanyl	0.012	0.5	
				Pyraclostrobin	0.013	0.3	
		Italy	76927	Dodine	0.16	5	
				Iprodione	0.041	5	
			77591	Chlorpyrifos	0.01	0.5	
		New Zealand	77221	None Detected Above Loq			
			77335	Dithiocarbamates	0.07	5	
				Dodine	0.053	5	
				Proquinazid	0.01	0.02	
			77352	Captan	0.096	3	
				Dithiocarbamates	0.07	5	
		Poland	77248	Acetamiprid	0.012	0.8	
				Boscalid	0.04	2	
				Indoxacarb	0.011	0.5	
				Pyraclostrobin	0.015	0.3	
				Spirodiclofen	0.01	0.8	
		Portugal	77422	Boscalid	0.015	2	
				Chlorantraniliprole	0.021	0.5	
				Chlorpyrifos	0.016	0.5	
				Diphenylamine	1.46	5	
				Pyrimethanil	0.02	5	
				Thiacloprid	0.02	0.3	
			77633	Boscalid	0.08	2	
				Carbendazim	0.024	0.2	
				Chlorpyrifos	0.023	0.5	
				Lambda-Cyhalothrin	0.02	0.1	
				Phosmet	0.013	0.2	
				Pyraclostrobin	0.043	0.3	
		S Africa	77031	Diphenylamine	0.052	5	
				Indoxacarb	0.01	0.5	
			77033	Chlorantraniliprole	0.014	0.5	
				Iprodione	0.16	5	
				Thiabendazole	0.01	5	
			77191	Diphenylamine	2.26	5	
				Indoxacarb	0.01	0.5	
				Thiacloprid	0.018	0.3	
			77222	None Detected Above Loq			
		Slovakia	76965	None Detected Above Loq			
		Spain	77435	Fenpyroximate	0.015	0.3	
				Lambda-Cyhalothrin	0.02	0.1	
				Pirimicarb	0.044	2	
			77523	Lenacil	0.013	0.1	
			77590	Chlorpyrifos-Methyl	0.015	0.5	
				Dodine	0.013	5	
		UK	77731	Chlorpyrifos	0.05	0.5	
				Dodine	0.016	5	
				Imazalil	0.052	2	
	Apples Cooking	Ireland	77008	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Apple Juice	UK	77145	Boscalid	0.043	2	
				Cyprodinil	0.11	1	
				Fludioxonil	0.034	5	
				Pyraclostrobin	0.019	0.3	
			77439	Chlorpyrifos	0.14	0.5	
				Dodine	0.037	5	
			77628	Chlorpyrifos	0.033	0.5	
			77629	Boscalid	0.036	2	
				Paclobutrazol	0.01	0.5	
				Pyraclostrobin	0.015	0.3	
			77716	None Detected Above Loq			
			76645	None Detected Above Loq			
			76989	Cyprodinil	0.66	1	
				Dithiocarbamates	0.16	5	
				Fludioxonil	0.2	5	
				Tebuconazole	0.028	0.2	
			77203	Cyprodinil	0.94	1	
				Fludioxonil	0.48	5	
			77434	Captan	0.021	3	
				Chlorantraniliprole	0.016	0.5	
			77560	Chlorpyrifos	0.013	0.5	
				Tebuconazole	0.014	1	
		Unknown	77069	Carbendazim	0.033	0.2	Tinned
		UK	76855	Carbendazim	0.031	0.2	Processed
		Unknown	76658	Carbendazim	0.022	0.2	Processed
			76674	Carbendazim	0.02	0.2	Processed
			76740	None Detected Above Loq			Processed
			76853	None Detected Above Loq			Processed
			76854	None Detected Above Loq			Processed
			77279	None Detected Above Loq			Processed
			77284	None Detected Above Loq			Processed
			77311	None Detected Above Loq			Processed
			77313	None Detected Above Loq			Processed
			77315	None Detected Above Loq			Processed
			77320	None Detected Above Loq			Processed
			77757	None Detected Above Loq			Processed
			77758	None Detected Above Loq			Processed
			77759	None Detected Above Loq			Processed
			77760	None Detected Above Loq			Processed/Organic
			77761	None Detected Above Loq			Processed
			77762	None Detected Above Loq			Processed
			77770	Boscalid	0.012	2	Processed
			77771	None Detected Above Loq			Processed
	Pear	Argentina	76806	None Detected Above Loq			Organic
			77096	Acetamiprid	0.015	0.8	
			77243	None Detected Above Loq			Organic
			77254	None Detected Above Loq			Organic
		Belgium	76628	Boscalid	0.1	2	
				Chlorantraniliprole	0.019	0.5	
				Cyprodinil	0.55	1	
				Fludioxonil	0.11	5	
				Pyraclostrobin	0.055	0.3	
				Spirodiclofen	0.014	0.8	
			76692	Boscalid	0.074	2	
				Cyprodinil	0.23	1	
				Fludioxonil	0.074	5	
				Pyraclostrobin	0.045	0.3	
		Chile	76730	Boscalid	0.18	2	
				Dithiocarbamates	0.05	5	
				Pyraclostrobin	0.11	0.3	
			77028	Acetamiprid	0.037	0.7	
				Phosmet	0.013	0.2	
				Pyrimethanil	1.28	5	
				Thiacloprid	0.035	0.3	
			77098	Acetamiprid	0.019	0.8	
				Chlorantraniliprole	0.034	0.5	
				Fludioxonil	0.4	5	
				Methoxyfenozide	0.051	2	
			77226	Acetamiprid	0.012	0.8	
				Captan	0.54	3	
				Chlorantraniliprole	0.044	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Fludioxonil	0.078	5	
				Thiabendazole	0.33	5	
		Holland	76812	Captan	0.034	3	
				Cyprodinil	0.22	1	
				Fludioxonil	0.049	5	
		Portugal	76639	Boscalid	0.19	2	
				Diflubenzuron	0.019	5	
				Diphenylamine	0.15	10	
				Folpet	0.098	3	
				Imazalil	0.13	2	
				Lambda-Cyhalothrin	0.022	0.1	
				Pyraclostrobin	0.13	0.3	
				Tebuconazole	0.05	1	
				Thiacloprid	0.11	0.3	
				Trifloxystrobin	0.02	0.5	
			76670	Diphenylamine	0.77	10	
				Dithiocarbamates	0.34	5	
				Folpet	0.9	3	
				Imazalil	1.51	2	
				Thiacloprid	0.048	0.3	
			76695	Chlorpyrifos	0.058	0.5	
				Difenoconazole	0.01	0.5	
				Diphenylamine	0.67	10	
				Dithiocarbamates	0.52	5	
				Imazalil	0.65	2	
				Phosmet	0.14	0.2	
				Tebuconazole	0.15	1	
			76713	Boscalid	0.11	2	
				Diphenylamine	0.88	10	
				Dithiocarbamates	0.38	5	
				Folpet	1	3	
				Imazalil	1.82	2	
				Imidacloprid	0.013	0.5	
				Ortho-Phenylphenol	0.019	0.05	
				Phosmet	0.013	0.2	
				Pyraclostrobin	0.067	0.3	
			76782	Boscalid	0.12	2	
				Chlorpyrifos	0.1	0.5	
				Diphenylamine	1.4	10	
				Fluquinconazole	0.014	0.2	
				Folpet	1.84	3	
				Imazalil	0.95	2	
				Imidacloprid	0.021	0.5	
				Kresoxim-Methyl	0.018	0.2	
				Phosmet	0.31	0.2	Breach
				Pyraclostrobin	0.056	0.3	
				Tebuconazole	0.04	1	
			76832	Chlorpyrifos	0.031	0.5	
				Diphenylamine	0.8	10	
				Folpet	0.69	3	
				Imazalil	0.44	2	
			77421	Boscalid	0.16	2	
				Imidacloprid	0.052	0.5	
				Pyraclostrobin	0.053	0.3	
				Thiacloprid	0.024	0.3	
			77444	Phosmet	0.012	0.2	
			77470	Boscalid	0.1	2	
				Lambda-Cyhalothrin	0.016	0.1	
				Phosmet	0.019	0.2	
				Pyraclostrobin	0.057	0.3	
				Thiacloprid	0.052	0.3	
				Thiamethoxam	0.011	0.5	
			77489	Phosmet	0.011	0.2	
			77556	Lambda-Cyhalothrin	0.017	0.1	
				Tebuconazole	0.072	1	
				Thiacloprid	0.072	0.3	
			77559	Imazalil	0.84	2	
			77570	None Detected Above Loq			
			77631	Boscalid	0.33	2	
				Folpet	0.26	3	
				Pyraclostrobin	0.1	0.3	
				Thiacloprid	0.041	0.3	
				Trifloxystrobin	0.01	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
STONE FRUIT	Apricots	S Africa	77746	Boscalid	0.26	2	
				Difenoconazole	0.019	0.5	
				Folpet	2.15	3	
				Imazalil	0.46	2	
				Imidacloprid	0.18	0.5	
				Phosmet	0.085	0.2	
				Pyraclostrobin	0.14	0.3	
				Trifloxystrobin	0.064	0.5	
			76899	Dithiocarbamates	0.77	5	
			76916	Chlorantraniliprole	0.011	0.5	
			77012	Chlorantraniliprole	0.054	0.5	
				Thiacloprid	0.035	0.3	
			77051	2,4,6-Trichlorophenol	0.029	0.05	
				Chlorantraniliprole	0.01	0.5	
			77056	Acetamiprid	0.03	0.8	
				Chlorantraniliprole	0.037	0.5	
			77083	Diphenylamine	0.1	10	
				Pyrimethanil	0.015	5	
			77134	Deltamethrin	0.018	0.1	
				Dithiocarbamates	0.08	5	
				Thiacloprid	0.091	0.3	
			77136	Diphenylamine	0.19	10	
				Dithiocarbamates	0.07	5	
				Pyrimethanil	1.05	5	
			77205	Azinphos-Me	0.018	0.05	
				Chlorantraniliprole	0.066	0.5	
				Dithiocarbamates	0.08	5	
				Thiacloprid	0.076	0.3	
		Spain	77464	None Detected Above Loq			
		UK	76998	Iprodione	0.86	5	
		Unknown	76680	None Detected Above Loq			
			76682	None Detected Above Loq			
		Spain	77119	Chlorothalonil	0.047	1	
				Deltamethrin	0.016	0.1	
				Iprodione	0.26	3	
				Tebuconazole	0.021	1	
			77259	Chlorothalonil	0.058	1	
				Cyprodinil	0.14	2	
				Fenhexamid	0.16	5	
				Fludioxonil	0.13	5	
				Imidacloprid	0.02	0.5	
				Tebuconazole	0.021	1	
			77442	Cyfluthrin	0.024	0.3	
				Deltamethrin	0.031	0.1	
				Fenhexamid	0.01	5	
				Iprodione	0.86	3	
		Chile	77808	Fenhexamid	0.22	5	
				Iprodione	1.52	3	
		Greece	76681	None Detected Above Loq			
			77471	Etofenprox	0.071	0.6	
				Tebuconazole	0.056	1	
			77554	Boscalid	0.011	3	
		S Africa		Etofenprox	0.11	0.6	
				Tebuconazole	0.042	1	
			76636	Iprodione	0.033	3	
			76732	Fenbuconazole	0.04	0.5	
		Spain	77187	Cyprodinil	0.83	2	
				Fludioxonil	0.66	7	
				Iprodione	0.4	3	
			77189	None Detected Above Loq			
			77206	Lambda-Cyhalothrin	0.013	0.2	
			77247	Fenhexamid	0.017	5	
				Lambda-Cyhalothrin	0.013	0.2	
			77250	None Detected Above Loq			
			77530	Azoxystrobin	0.019	2	
				Chlorpyrifos	0.022	0.2	
				Cyfluthrin	0.012	0.3	
				Deltamethrin	0.018	0.1	
				Fenhexamid	0.011	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Iprodione	0.32	3	
				Ortho-Phenylphenol	0.014	0.05	
				Tebuconazole	0.089	1	
		Unknown	76683	None Detected Above Loq			Tinned
	Nectarine	Chile	76816	Acetamiprid	0.014	0.1	
				Fludioxonil	0.72	7	
				Iprodione	0.042	3	
				Spinosad	0.015	1	
				Spirodiclofen	0.013	2	
				Tebuconazole	0.029	1	
		Spain	77005	Cypermethrin	0.042	2	
			77099	Chlorothalonil	0.01	1	
				Cyprodinil	0.014	2	
				Dodine	0.015	5	
				Fludioxonil	0.01	7	
				Iprodione	0.13	3	
			77113	Imidacloprid	0.01	0.5	
				Phosmet	0.021	1	
				Tebuconazole	0.15	1	
			77188	Tetraconazole	0.01	0.1	
			77213	Imidacloprid	0.017	0.5	
				Phosmet	0.041	1	
				Tebuconazole	0.036	1	
			77249	None Detected Above Loq			Organic
			77260	Chlorothalonil	0.02	1	
				Cyprodinil	0.012	2	
			77356	Cyprodinil	0.052	2	
				Deltamethrin	0.028	0.1	
				Fenhexamid	0.076	5	
				Fludioxonil	0.011	7	
			77438	Cyprodinil	0.077	2	
				Iprodione	0.085	3	
				Lambda-Cyhalothrin	0.015	0.2	
				Tebuconazole	0.076	1	
			77551	Cyprodinil	0.18	2	
				Deltamethrin	0.025	0.1	
				Fenhexamid	0.026	5	
				Fludioxonil	0.064	7	
				Iprodione	0.18	3	
				Lambda-Cyhalothrin	0.027	0.2	
	Plum	Canada	77060	Iprodione	0.026	3	
				Pyrimethanil	0.01	3	
				Thiabendazole	0.01	0.05	
		Chile	76986	Iprodione	0.12	3	
				Pyrimethanil	0.01	3	
				Spirodiclofen	0.01	2	
				Tebuconazole	0.017	0.5	
			77095	Iprodione	1.09	3	
				Prochloraz	0.013	0.05	
		Italy	76629	Boscalid	0.02	3	
				Tebuconazole	0.022	0.5	
			77302	Chlorpyrifos	0.018	0.2	
				Iprodione	0.12	3	
				Tebuconazole	0.14	1	
			77361	Boscalid	0.012	3	
			77472	Boscalid	0.018	3	
			77777	Boscalid	0.018	3	
			77810	Boscalid	0.027	3	
				Etofenprox	0.021	1	
				Tebuconazole	0.014	1	
			77816	Boscalid	0.07	3	
				Etofenprox	0.07	1	
				Pyraclostrobin	0.014	0.2	
		S Africa	76646	None Detected Above Loq			
			76743	Pyrimethanil	0.1	3	
			76777	None Detected Above Loq			
			76787	Pyrimethanil	0.063	3	
			76857	Iprodione	0.71	3	
			76900	Fenbuconazole	0.013	0.5	
				Imazalil	0.012	0.05	
				Iprodione	0.094	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BERRIES	Table Grape	Spain	77212	Thiabendazole	0.014	0.05	
				Etofenprox	0.013	1	
			77634	Tebuconazole	0.03	1	
				Cyprodinil	0.12	2	
				Fenpyroximate	0.034	0.3	
				Fludioxonil	0.014	0.5	
			77722	Imazalil	0.021	0.05	
				Iprodione	0.11	3	
				Chlorpyrifos	0.017	0.2	
				Iprodione	0.026	3	
		Brazil	77749	Tebuconazole	0.06	1	
				Fenpyroximate	0.011	0.3	
			77702	Difenoconazole	0.019	0.5	
				Dimethomorph	0.23	3	
				Imidacloprid	0.013	1	
				Kresoxim-Methyl	0.01	1	
			77784	Bifenthrin	0.15	0.2	
				Imidacloprid	0.013	1	
				Thiabendazole	0.025	0.05	
				Boscalid	1.03	5	
		Chile	77819	Cyprodinil	0.2	5	
				Fludioxonil	0.045	5	
				Iprodione	0.29	10	
				Mandipropamid	0.04	2	
			76814	Metalaxyl	0.047	2	
				Pyrimethanil	0.68	5	
				Boscalid	0.2	5	
				Fenhexamid	0.07	5	
			76897	Methomyl	0.012	0.02	
				Pyraclostrobin	0.053	1	
				Quinoxifen	0.01	1	
				Tebuconazole	0.14	2	
			76940	Fenhexamid	0.42	5	
				Imazalil	0.011	0.05	
				Imidacloprid	0.33	1	
				Boscalid	0.41	5	
			76988	Fenhexamid	0.3	5	
				Myclobutanyl	0.012	1	
				Boscalid	0.85	5	
				Cyprodinil	0.012	5	
			77057	Fludioxonil	0.01	5	
				Methoxyfenozide	0.011	1	
				Pyraclostrobin	0.13	1	
				Quinoxifen	0.068	1	
		Egypt	77118	Tebuconazole	0.01	2	
				Thiamethoxam	0.031	0.5	
				Cyprodinil	0.011	5	
				Fenhexamid	0.28	5	
			77138	Imidacloprid	0.56	1	
				Azoxystrobin	0.059	2	
				Cyprodinil	0.013	5	
				Fenhexamid	0.025	5	
			77211	Imidacloprid	0.062	1	
				Myclobutanyl	0.04	1	
				Imidacloprid	0.015	1	
				Iprodione	0.15	10	
		Greece	77264	Fenhexamid	0.036	5	
				Imidacloprid	0.014	1	
				Cypermethrin	0.036	0.5	
				Spirotetramat	0.021	2	
			77780	Spiroxamine	0.044	1	
				Thiamethoxam	0.013	0.9	
				Boscalid	0.046	5	
				Bupirimate	0.35	1	
		India	76929	Cyprodinil	0.53	5	
				Ethirimol	0.062	0.5	
				Fenhexamid	0.43	5	
				Fludioxonil	0.36	5	
				Lambda-Cyhalothrin	0.022	0.2	
				Quinoxifen	0.029	1	
				Azoxystrobin	0.01	2	
				Carbendazim	0.031	0.3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Chlormequat	0.013	0.05	
				Chlorpyrifos	0.01	0.5	
				Kresoxim-Methyl	0.11	1	
				Myclobutanyl	0.017	1	
			77014	Azoxystrobin	0.033	2	
			77018	Chlormequat	0.041	0.05	
				Fenpyroximate	0.012	0.3	
				Imidacloprid	0.017	1	
		Israel	77636	Myclobutanyl	0.038	1	
				Tetraconazole	0.055	0.5	
		Italy	77305	Mandipropamid	0.068	2	
				Spiroxamine	0.21	1	
			77355	Dimethomorph	0.065	3	
				Methiocarb-Sulfoxide	0.011	0.3	
				Penconazole	0.023	0.2	
			77395	Chlorantraniliprole	0.054	1	
				Fenhexamid	0.087	5	
				Fluopicolide	0.026	2	
				Spiroxamine	0.083	1	
				Trifloxystrobin	0.013	5	
			77436	Boscalid	0.13	5	
				Dimethomorph	1.11	3	
				Metrafenone	0.46	5	
			77531	None Detected Above Loq			
			77616	Dimethomorph	0.41	3	
				Ethirimol	0.16	0.5	
				Fluopyram	0.15	1.5	
				Spiroxamine	0.17	1	
			77688	Fluopyram	0.19	1.5	
				Spinosad	0.016	0.5	
			77754	Chlorpyrifos-Methyl	0.018	0.2	
				Fenhexamid	0.038	5	
				Metalaxyl	0.1	2	
				Penconazole	0.032	0.2	
		Peru	77809	Boscalid	0.22	5	
				Myclobutanyl	0.011	1	
				Tebuconazole	0.18	2	
				Trifloxystrobin	0.015	5	
		S Africa	76630	Proquinazid	0.018	0.5	
			76731	Cyprodinil	0.011	5	
				Imidacloprid	0.017	1	
			76935	Azoxystrobin	0.2	2	
				Boscalid	0.054	5	
				Iprodione	0.54	10	
				Proquinazid	0.021	0.5	
			77817	Azoxystrobin	0.027	2	
				Fenhexamid	0.036	5	
				Fluopyram	0.095	1.5	
		Spain	77261	Cyprodinil	0.057	5	
				Spinosad	0.048	0.5	
				Trifloxystrobin	0.18	5	
			77394	Myclobutanyl	0.068	1	
				Penconazole	0.049	0.2	
				Spirotetramat	0.064	2	
				Trifloxystrobin	0.46	5	
			77428	Boscalid	0.9	5	
				Cyfluthrin	0.093	0.3	
				Dimethomorph	0.36	3	
				Imidacloprid	0.01	1	
				Myclobutanyl	0.12	1	
				Spinosad	0.034	0.5	
			77469	Boscalid	0.01	5	
				Cyazofamid	0.043	0.5	
				Trifloxystrobin	0.12	5	
			77528	Cyprodinil	0.1	5	
				Fludioxonil	0.044	5	
				Myclobutanyl	0.083	1	
				Pyrimethanil	0.095	5	
			77553	Boscalid	1.33	5	
				Cyazofamid	0.04	0.5	
				Cyprodinil	0.55	5	
				Fludioxonil	0.24	5	
				Myclobutanyl	0.012	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Spirotetramat	0.025	2	
				Trifloxystrobin	0.21	5	
	Wine	Australia	77285	None Detected Above Loq			Processed
			77292	None Detected Above Loq			Processed
			77293	Iprodione	0.018	10	Processed
			77298	Metalaxyl	0.016	1	Processed
		Chile	77287	Boscalid	0.013	5	Processed
				Fenhexamid	0.012	5	
				Fludioxonil	0.011	4	
				Iprodione	0.13	10	
				Tebuconazole	0.02	2	
			77294	Imidacloprid	0.013	1	Processed
				Iprodione	0.038	10	
				Methoxyfenozide	0.011	1	
		France	77295	Boscalid	0.14	5	Processed
				Carbendazim	0.049	0.5	
				Dimethomorph	0.039	3	
				Fenhexamid	0.017	5	
				Thiophanate-Methyl	0.052	3	
			77299	Dimethomorph	0.012	3	Processed
		Italy	77288	Pyrimethanil	0.011	5	Processed
			77296	Pyrimethanil	0.018	5	Processed
		New Zealand	77286	Boscalid	0.01	5	Processed
		S Africa	77289	Dimethomorph	0.029	3	Processed
			77291	Boscalid	0.01	5	Processed
				Imidacloprid	0.013	1	
		Spain	77297	None Detected Above Loq			Processed
		US	77290	Boscalid	0.015	5	Processed
				Methoxyfenozide	0.011	1	
	Strawberry	Holland	77593	Boscalid	0.18	10	
				Mepanipyrim	0.029	2	
				Myclobutanyl	0.039	1	
				Penconazole	0.019 nm	0.5	
				Pyraclostrobin	0.043	1.5	
				Thiacloprid	0.034	1	
				Trifloxystrobin	0.01	0.5	
			77618	Boscalid	0.41	10	
				Bupirimate	0.095	1	
				Fenhexamid	0.2	5	
				Hexythiazox	0.051	0.5	
				Mepanipyrim	0.3	2	
				Pyraclostrobin	0.1	1.5	
				Spinosad	0.16	0.3	
				Thiacloprid	0.26	1	
			77620	Iprodione	0.077	15	
				Spirodiclofen	0.028	2	
			77630	Boscalid	0.14	10	
				Hexythiazox	0.013	0.5	
				Kresoxim-Methyl	0.012	1	
				Pirimicarb	0.046	3	
				Pyraclostrobin	0.029	1.5	
				Thiacloprid	0.05	1	
			77715	Boscalid	0.69	10	
				Pyraclostrobin	0.15	1.5	
				Thiacloprid	0.22	1	
		Ireland	77001	Fenhexamid	0.07	5	
				Iprodione	0.023	15	
				Mepanipyrim	0.017	2	
				Pirimicarb	0.055	3	
			77061	Boscalid	0.19	10	
				Bupirimate	0.018	1	
				Fenhexamid	0.24	5	
				Iprodione	0.12	15	
				Myclobutanyl	0.17	1	
				Pirimicarb	1.01	3	
				Pyraclostrobin	0.032	1.5	
				Thiacloprid	0.28	1	
			77139	Azoxystrobin	0.064	10	
				Boscalid	0.14	10	
				Bupirimate	0.05	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Dimethomorph	0.029	0.7	
				Ethirimol	0.012	0.2	
				Fenhexamid	0.047	5	
				Iprodione	0.039	15	
				Mepanipyrim	0.091	2	
				Myclobutanyl	0.014	1	
				Pirimicarb	0.11	3	
				Pyraclostrobin	0.032	1.5	
				Pyrimethanil	0.011	5	
			77176	Boscalid	0.016	10	
				Iprodione	1.01	15	
				Thiacloprid	0.16	1	
			77224	Boscalid	0.01	10	
				Fenhexamid	0.032	5	
				Iprodione	0.022	15	
				Mepanipyrim	0.088	2	
				Myclobutanyl	0.02	1	
			77324	Boscalid	0.034	10	
				Bupirimate	0.086	1	
				Ethirimol	0.011	0.2	
				Fenhexamid	0.14	5	
				Mepanipyrim	0.26	2	
				Quinoxifen	0.028	0.3	
				Thiacloprid	0.14	1	
			77333	Azoxystrobin	0.17	10	
				Bupirimate	0.05	1	
				Fenhexamid	0.17	5	
				Fenpropimorph	0.16	1	
				Fludioxonil	0.013	3	
				Iprodione	1.24	15	
				Myclobutanyl	0.13	1	
				Quinoxifen	0.014	0.3	
			77429	Boscalid	0.029	10	
				Bupirimate	0.012	1	
				Fenhexamid	0.19	5	
				Iprodione	0.023	15	
				Mepanipyrim	0.19	2	
				Myclobutanyl	0.035	1	
			77432	Azoxystrobin	0.14	10	
				Boscalid	0.01	10	
				Iprodione	0.35	15	
				Mepanipyrim	0.042	2	
				Thiacloprid	0.096	1	
			77440	Azoxystrobin	0.53	10	
				Bupirimate	0.22	1	
				Cyprodinil	0.016	5	
				Ethirimol	0.021	0.2	
				Fenhexamid	0.42	5	
				Fludioxonil	0.012	3	
				Iprodione	0.52	15	
				Myclobutanyl	0.23	1	
				Thiacloprid	0.03	1	
			77529	Azoxystrobin	0.5	10	
				Cyprodinil	0.066	5	
				Fenhexamid	0.3	5	
				Fludioxonil	0.059	3	
				Iprodione	0.083	15	
				Kresoxim-Methyl	0.012	1	
				Myclobutanyl	0.1	1	
			77627	Azoxystrobin	0.23	10	
				Boscalid	0.66	10	
				Fenhexamid	0.18	5	
				Iprodione	0.54	15	
				Myclobutanyl	0.11	1	
				Pyraclostrobin	0.14	1.5	
				Pyrimethanil	0.49	5	
			77685	Azoxystrobin	0.084	10	
				Boscalid	0.092	10	
				Bupirimate	0.027	1	
				Fenhexamid	0.48	5	
				Iprodione	0.51	15	
				Mepanipyrim	0.12	2	
				Myclobutanyl	0.11	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
	Blackberry	Morocco	76836	Pyraclostrobin	0.012	1.5		
				Pyrimethanil	0.56	5		
		Spain	76720	Myclobutanyl	0.015	1		
				Cyprodinil	0.038	5		
			76781	Fludioxonil	0.11	3		
				Clofentezine	0.012	2		
				Cyprodinil	0.44	5		
				Fludioxonil	0.2	3		
				Metalaxyl-M	0.024	0.5		
				Myclobutanyl	0.17	1		
			76838	Cyprodinil	0.086	5		
				Etoxazole	0.034	0.2		
				Fludioxonil	0.075	3		
				Thiamethoxam	0.014	0.5		
			76864	None Detected Above Loq				
				76930	Boscalid	0.018		10
				Fenhexamid	0.1	5		
				Myclobutanyl	0.01	1		
				Trifloxystrobin	0.24	0.5		
				77766	Myclobutanyl	0.012		1
			Guatemala	77704	Azoxystrobin	0.037		5
					Boscalid	0.047		10
				Cypermethrin	0.052	0.5		
				Iprodione	0.019	10		
			Ireland	77304	Pyraclostrobin	0.012		3
					None Detected Above Loq			
				77427	None Detected Above Loq			
				77447	Azoxystrobin	0.21		5
				Fenhexamid	0.13	10		
				Iprodione	0.14	10		
			Italy	77244	Boscalid	1.18		10
					Etofenprox	0.013		1
				Pyraclostrobin	0.091	3		
				Pyrimethanil	0.013	10		
			Mexico	76931	Cypermethrin	0.12		0.5
					Fenhexamid	0.25		10
			Portugal	77140	Fenhexamid	0.25		10
					Iprodione	0.16		10
					Myclobutanyl	0.011		1
					Thiacloprid	0.038		3
			Spain	77035	None Detected Above Loq			
					US	77306		Cypermethrin
					Ortho-Phenylphenol	0.01		0.05
					Belgium	77594		Boscalid
		Clofentezine	0.011	3				
				Cyprodinil	0.11	10		
				Fenhexamid	0.27	10		
				Fludioxonil	0.087	5		
				Pyrimethanil	0.33	10		
		Ireland	77303	Fenhexamid	0.019	10		
				Iprodione	0.02	10		
				Pyrimethanil	0.58	10		
				Fenhexamid	0.13	10		
		Spain	76786	Fenhexamid	1.74	10		
				76859	Hexythiazox	0.012		0.5
				77036	None Detected Above Loq			
				77115	None Detected Above Loq			
				77703	Fenhexamid	0.65		10
				Spinosad	0.023	1.5		
		US	76837	Boscalid	0.052	10		
				Pyraclostrobin	0.018	2		
	Blueberry	Argentina	77592	Boscalid	0.022	10		
				Cyprodinil	0.44	5		
				Fludioxonil	0.24	3		
				77701	None Detected Above Loq			
		Chile	76714	Fenhexamid	0.029	5		
				76839	Boscalid	0.022		10
				Fenhexamid	0.79	5		
				Phosmet	0.11	10		
			76849	Phosmet	0.048	10		

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
MISC. FRUIT	Figs	France	77217	None Detected Above Loq			
		Poland	77223	None Detected Above Loq			
			77307	None Detected Above Loq			
		Spain	76990	None Detected Above Loq			
			77038	Iprodione	0.31	10	
			77112	None Detected Above Loq			
			77141	None Detected Above Loq			
	Kiwi	Turkey	77610	None Detected Above Loq			
	Kiwi	Chile	77210	Fenhexamid	1.27	10	
				Iprodione	2.96	5	
			77225	Thiabendazole	0.01	0.05	
			77251	None Detected Above Loq			Organic
			77263	Iprodione	0.1	5	
			77358	None Detected Above Loq			
			77426	None Detected Above Loq			
			77461	None Detected Above Loq			Organic
		France	77016	Fenhexamid	2.82	10	
		Greece	76807	None Detected Above Loq			Organic
		Italy	76712	Fludioxonil	0.1	20	
			76738	Etofenprox	0.052	1	
				Fenhexamid	1.4	10	
			76902	Fenhexamid	2.03	10	
			76926	None Detected Above Loq			
			76987	Fenhexamid	0.025	10	
				Fludioxonil	4.13	20	
			77030	Fludioxonil	3.54	20	
			77076	None Detected Above Loq			Organic
			77635	Iprodione	0.049	5	
			77708	None Detected Above Loq			
			77755	Fludioxonil	0.017	20	
			77779	Fludioxonil	1.99	20	
			77811	None Detected Above Loq			
		New Zealand	77133	None Detected Above Loq			
			77477	Iprodione	0.016	5	
	Lychee	S Africa	76774	None Detected Above Loq			
	Passion Fruit	Colombia	76690	2,4,6-Trichlorophenol	0.026	0.05	
				Azoxystrobin	0.026	4	
				Tebuconazole	0.016	1	
				Trifloxystrobin	0.013	4	
				2,4,6-Trichlorophenol	0.01	0.05	
			76770	Azoxystrobin	0.03	4	
				Chlorothalonil	0.01	0.01	
				Cyprodinil	0.013	0.05	
				Difenoconazole	0.042	0.1	
				Tebuconazole	0.016	1	
			76917	Tebuconazole	0.016	1	
			76959	None Detected Above Loq			
			77255	Azoxystrobin	0.038	4	
			77459	Azoxystrobin	0.023	4	
				Cyprodinil	0.024	0.05	
				Fludioxonil	0.023	0.05	
			77608	Azoxystrobin	0.016	4	
			77781	Cyprodinil	0.01	0.05	
	Dragon Fruit	Vietnam	77467	Cypermethrin	0.031	0.05	
	Sharon Fruit	Spain	77609	Boscalid	0.013	0.05	
	Avocados	Chile	77724	None Detected Above Loq			
			77748	None Detected Above Loq			
			77818	Boscalid	0.017	0.05	
		Israel	76641	None Detected Above Loq			
			76955	None Detected Above Loq			
		Peru	77309	None Detected Above Loq			
			77360	Carbendazim	0.057	0.1	
		S Africa	77476	None Detected Above Loq			
			77009	2,4,6-Trichlorophenol	0.077	5	
				Prochloraz	1.2	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			77102	2,4,6-Trichlorophenol	0.027	5	
				Prochloraz	0.37	5	
			77557	2,4,6-Trichlorophenol	0.034	5	
				Prochloraz	0.86	5	
		Spain	76963	None Detected Above Loq			Organic
			77614	None Detected Above Loq			Organic
	Banana	Belize	77178	Azoxystrobin	0.11	2	
				Chlorpyrifos	0.01	3	
				Imazalil	0.3	2	
			77504	Azoxystrobin	0.4	2	
				Imazalil	0.39	2	
			77505	Azoxystrobin	0.24	2	
				Imazalil	0.26	2	
				Pyrimethanil	0.03	0.1	
		Colombia	77506	Azoxystrobin	0.085	2	
				Myclobutanil	0.076	2	
		Costa Rica	76922	Azoxystrobin	0.16	2	
				Buprofezin	0.012	0.5	
				Thiabendazole	0.27	5	
			77179	Azoxystrobin	0.12	2	
				Bifenthrin	0.023	0.1	
				Chlorpyrifos	0.079	3	
				Thiabendazole	0.15	5	
			77180	Azoxystrobin	0.64	2	
				Bifenthrin	0.025	0.1	
				Imazalil	0.55	2	
			77198	Azoxystrobin	0.35	2	
				Bifenthrin	0.04	0.1	
				Imazalil	0.38	2	
			77396	Azoxystrobin	0.13	2	
				Bifenthrin	0.029	0.1	
				Buprofezin	0.059	0.5	
				Thiabendazole	0.29	5	
			77503	Azoxystrobin	0.29	2	
				Bifenthrin	0.036	0.1	
				Buprofezin	0.046	0.5	
				Imazalil	0.2	2	
		Dom Rep	77000	None Detected Above Loq			Organic
			77182	None Detected Above Loq			Organic
			77502	None Detected Above Loq			Organic
		Honduras	77181	Azoxystrobin	0.021	2	
				Buprofezin	0.01	0.5	
				Chlorpyrifos	0.015	3	
				Imazalil	0.086	2	
			77507	Azoxystrobin	0.17	2	
				Chlorpyrifos	0.018	3	
				Imazalil	0.11	2	
		Ivory Coast	76775	Boscalid	0.018	0.6	
	Plantain	Colombia	76932	Ortho-Phenylphenol	0.017	0.05	
				Thiabendazole	0.15	5	
	Mangoes	Brazil	76642	Carbendazim	0.02	0.5	
				Prochloraz	0.082	5	
				Propargite	0.01	0.01	
				Thiabendazole	0.15	5	
			76668	Prochloraz	0.11	5	
			76800	None Detected Above Loq			
			76958	Thiabendazole	0.28	5	
			77207	2,4,6-Trichlorophenol	0.011	5	
				Prochloraz	0.12	5	
				Thiabendazole	0.23	5	
			77256	2,4,6-Trichlorophenol	0.01	5	
				Prochloraz	0.13	5	
			77359	2,4,6-Trichlorophenol	0.016	5	
				Prochloraz	0.18	5	
			77575	2,4,6-Trichlorophenol	0.018	5	
				Prochloraz	0.06	5	
				Thiabendazole	1.68	5	
			77607	Imazalil	0.011	0.05	
				Thiabendazole	0.063	5	
			77681	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
ROOR/ TUBER VEG			77750	Thiabendazole	0.39	5	Organic
			77783	Thiabendazole	1.42	5	
			77800	Thiabendazole	0.53	5	
			77813	Thiabendazole	0.17	5	
			77049	None Detected Above Loq			
			77245	2,4,6-Trichlorophenol	0.013	5	
				Prochloraz	0.081	5	
		Israel	77453	None Detected Above Loq			
			77475	2,4,6-Trichlorophenol	0.026	5	
		Ivory Coast	77154	Prochloraz	0.31	5	
				None Detected Above Loq			
		Mali	77172	None Detected Above Loq			
			77239	None Detected Above Loq			
		Peru	76818	Prochloraz	0.027	5	
				Thiabendazole	0.048	5	
			76850	2,4,6-Trichlorophenol	0.023	5	
				Prochloraz	0.35	5	
			76991	2,4,6-Trichlorophenol	0.056	5	
				Prochloraz	0.88	5	
			77074	Thiabendazole	0.63	5	
				Acetamiprid	0.01	0.01	
				Imazalil	0.015	0.05	
				Prochloraz	0.1	5	
		Puerto Rico	77341	Thiabendazole	0.78	5	
				Thiabendazole	2.14	5	
			77466	2,4,6-Trichlorophenol	0.19	5	
				Prochloraz	0.011	5	
				Thiabendazole	0.097	5	
		Papaya	76808	2,4,6-Trichlorophenol	0.034	5	
				Prochloraz	0.13	5	
			77782	2,4,6-Trichlorophenol	0.13	5	
				Carbendazim	0.026	0.2	
				Cypermethrin	0.033	0.05	
				Imidacloprid	0.018	0.05	
				Prochloraz	0.43	5	
				Pyridaben	0.011	0.5	
	Physalis	Colombia	77611	Pyrimethanil	0.02	1	
	Pomegranate	India	77462	None Detected Above Loq			
		Israel	77465	Fludioxonil	0.26	3	
		Peru	77246	None Detected Above Loq			
		Turkey	76803	Imidacloprid	0.01	1	
	Pineapples	Costa Rica	77010	Triadimefon	0.052	3	
				Triadimenol	0.15	3	
				Triadimefon	0.11	3	
				Triadimenol	0.23	3	
			77397	Triadimefon	0.057	3	
				Triadimenol	0.079	3	
			77497	2,4,6-Trichlorophenol	0.018	5	
				Prochloraz	0.23	5	
				Triadimefon	0.063	3	
				Triadimenol	0.09	3	
		Kenya	77767	None Detected Above Loq			Tinned
		Thailand	76684	None Detected Above Loq			Tinned
			77765	None Detected Above Loq			Tinned
				None Detected Above Loq			
	Pineapple Juice	Unknown	77280	None Detected Above Loq			Prpcessed
			77312	None Detected Above Loq			Processed
	Potatoes	Cyprus	76890	None Detected Above Loq			
		France	76993	3-Chloroaniline	0.02	10	
				Chlorpropham	1.49	10	
				Flutolanil	0.014	0.5	
		Germany	76995	Chlorpropham	0.023	10	
		Holland	76706	Chlorpropham	0.017	10	
			76707	Chlorpropham	0.085	10	
				Chlorpropham	0.018	10	
			76708	Chlorpropham	0.018	10	
				Imazalil	0.82	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Pencycuron	0.027	0.1	
				Thiabendazole	9.5	15	
		Ireland	76705	None Detected Above Loq			
			76709	Thiabendazole	0.033	15	
			76710	None Detected Above Loq			
			76711	None Detected Above Loq			
			76756	Thiabendazole	0.1	15	
			76992	Chlorpropham	0.043	10	
				Propamocarb	0.03	0.5	
			76994	Chlorpropham	0.02	10	
				Flutolanil	0.092	0.5	
			77168	Fluopicolide	0.01	0.03	
				Pencycuron	0.22	0.1	Breach
			77195	Propamocarb	0.012	0.5	
			77276	Propamocarb	0.013	0.5	
			77492	None Detected Above Loq			
			77657	Fluopicolide	0.012	0.03	
			77713	Fosthiazate	0.016	0.02	
			77714	Chlorpropham	0.048	10	
			77717	Tebuconazole	0.018	0.2	
		UK	76974	3-Chloroaniline	0.14	10	
				Chlorpropham	11.08	10	Breach
			76975	3-Chloroaniline	0.066	10	
				Chlorpropham	5.17	10	
			77202	Chlorpropham	0.19	10	
			77275	None Detected Above Loq			
			77375	None Detected Above Loq			
			77410	None Detected Above Loq			
	Sweet Potatoes	Honduras	76845	None Detected Above Loq			
		Spain	76640	None Detected Above Loq			
		US	76875	Fludioxonil	0.19	10	
			76961	Fludioxonil	0.33	10	
			77062	Fludioxonil	0.3	10	
			77091	Fludioxonil	0.23	10	
			77415	Fludioxonil	0.15	10	
	Yams	Ghana	77109	None Detected Above Loq			
	Beetroot	Spain	77240	None Detected Above Loq			Organic
	Carrots	Denmark	76962	None Detected Above Loq			Organic
		France	77164	Linuron	0.039	0.2	
			77230	Linuron	0.012	0.2	
		Holland	77272	None Detected Above Loq			
		India	76783	Azoxystrobin	0.019	1	
				Boscalid	0.022	2	
				Iprodione	0.021	0.5	
				Tebuconazole	0.032	0.5	
		Ireland	76970	None Detected Above Loq			
			77495	Boscalid	0.016	2	
			77615	Boscalid	0.014	2	
			77641	Boscalid	0.012	2	
				Prosulfocarb	0.012	1	
				Tebuconazole	0.016	0.5	
			77648	Linuron	0.016	0.2	
			77656	Linuron	0.012	0.2	
				Prosulfocarb	0.06	1	
				Tebuconazole	0.078	0.5	
				Trifloxystrobin	0.015	0.05	
		Israel	77201	Boscalid	0.034	2	
				Imidacloprid	0.01	0.5	
				Iprodione	0.01	0.5	
		Italy	77253	None Detected Above Loq			Organic
		S Africa	76691	None Detected Above Loq			
		Spain	76795	3,5-Dichloroaniline	0.012	0.05	
				Metalaxyl	0.024	0.1	
			77023	Linuron	0.016	0.2	
			77058	None Detected Above Loq			Organic
			77075	Linuron	0.039	0.2	Organic
		UK	76750	Tebuconazole	0.014	0.5	
			77456	None Detected Above Loq			Tinned
			77658	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BULB VEG	Parsnips	Ireland	76742	Aldrin	0.014	0.02	Breach Organic
				Boscalid	0.035	2	
			77494 77730	Epoxiconazole	0.01	0.05	
				Linuron	0.011	0.2	
				Boscalid	0.02	2	
		UK	76906	Prothioconazole	0.015	0.1	
				Tebuconazole	0.016	0.5	
			77374	Boscalid	0.014	2	
				Tebuconazole	0.018	0.5	
				None Detected Above Loq			
	Radishes	UK	77174	None Detected Above Loq			
	Horseradish	Morocco	76964	None Detected Above Loq			
				None Detected Above Loq			
	Swedes	Ireland	76870	None Detected Above Loq			
			77233	None Detected Above Loq			
			77331	Chlorpyrifos	0.085	0.05	
		Unknown	77613	None Detected Above Loq			
	Turnips	Ireland	76980	Boscalid	0.012	2	
			77197	Chlorpyrifos	0.014	0.05	
			77268	None Detected Above Loq			
			77323	None Detected Above Loq			
		UK	77659	None Detected Above Loq			
			77373	None Detected Above Loq			
				None Detected Above Loq			
	Garlic	China	77173	None Detected Above Loq			
	Onions	Egypt	77273	None Detected Above Loq			
		Holland	77271	None Detected Above Loq			
		Ireland	77561	None Detected Above Loq			
		Poland	77040	None Detected Above Loq			
		Spain	77409	None Detected Above Loq			
		UK	77002	None Detected Above Loq			
FRUITING VEG	Shallots	France	77711	Thiophanate-Methyl	0.025	0.1	
	Spring Onions	Ireland	77549	None Detected Above Loq			
		Mexico	76863	None Detected Above Loq			
		UK	77619	Dimethomorph	0.011	0.3	
	Tomato	Canary Islands	76631	Chlorothalonil	0.011	2	
		Egypt	76766	Pyridaben	0.034	0.3	
				Pyriproxyfen	0.063	1	
				Azoxystrobin	0.095	3	
				Difenoconazole	0.24	2	
				Dithiocarbamates	0.3	3	
				Fenhexamid	0.5	1	
		Holland	76954	Boscalid	0.048	3	
				Fluopyram	0.17	0.9	
			77558	Pyraclostrobin	0.014	0.3	
				Bupirimate	0.15	2	
			77583	Chlorantraniliprole	0.015	0.6	
				Ethirimol	0.016	0.1	
				Chlorantraniliprole	0.021	0.6	
				Fluopyram	0.081	0.9	
		Ireland	77045	Azoxystrobin	0.079	3	
				Fenhexamid	0.03	1	
			77153	Fludioxonil	0.015	1	
				Iprodione	0.064	5	
			77237	Pyrimethanil	0.12	1	
				Azoxystrobin	0.059	3	
			77568	Fenhexamid	0.014	1	
				Iprodione	0.041	5	
			77574	None Detected Above Loq			
				Azoxystrobin	0.16	3	
		Italy	77718	Iprodione	0.17	5	
				None Detected Above Loq			
			77242	None Detected Above Loq			
	Morocco	76688		Bifenthrin	0.037	0.3	
				Chlorothalonil	0.012	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
	Pepper	Spain	76748	Boscalid	0.028	3	Organic	
				Mepanipyrim	0.012	1		
		76821	Triadimenol	0.018	1			
			Etofenprox	0.041	1			
			Pyridaben	0.031	0.3			
			Pyriproxyfen	0.03	1			
		76828	Thiophanate-Methyl	0.067	1			
			Flutriafol	0.021	0.3			
			Imidacloprid	0.02	0.5			
			Pyriproxyfen	0.012	1			
		76967	None Detected Above Loq					
		77678	Flonicamid	0.016	0.3			
			Triadimenol	0.038	1			
		Unknown	77067	None Detected Above Loq				Tinned
		Holland	77106	None Detected Above Loq				1
			77565	Imidacloprid	0.012			
		77581	None Detected Above Loq					
			Ireland	77021	None Detected Above Loq			
		77137		None Detected Above Loq				
		77587	None Detected Above Loq					
			Kenya	76635	Chlorothalonil	0.19		2
		Spain		76637	None Detected Above Loq			
			76698	Fenhexamid	0.42	2		
				Flutriafol	0.21	1		
			76716	Flutriafol	0.016	1		
		76760	Bupirimate	0.01	2			
			Carbendazim	0.022	0.1			
				Fludioxonil	0.05	2		
				Flutriafol	0.016	1		
				Metalaxyl	0.019	0.5		
				Spiromesifen	0.01	0.5		
		76793	Cyprodinil	0.026	1			
			Fludioxonil	0.058	2			
				Flutriafol	0.098	1		
			76846	Fenhexamid	0.025	2		
				Triadimenol	0.034	1		
			76869	Chlorothalonil	0.016	2		
				Cyprodinil	0.013	1		
			76894	Chlorothalonil	0.025	2		
				Flutriafol	0.02	1		
			Tebuconazole	0.011	0.5			
	76983	Cyproconazole	0.01	0.05				
		77622	Flutriafol	0.045	1			
	77626	Flonicamid	0.037	0.15				
		Imazalil	0.013	0.05				
			Indoxacarb	0.027	0.3			
			Triadimenol	0.05	1			
	77732	Chlorantraniliprole	0.015	1				
		77733	Fenhexamid	0.016	2			
			Flutriafol	0.026	1			
	Turkey	77042	None Detected Above Loq					
		Unknown	77584	None Detected Above Loq				
	Aubergines	Holland	76976	None Detected Above Loq				
			77152	None Detected Above Loq				
			77417	Propamocarb	0.071	10		
			77455	Imidacloprid	0.031	0.5		
				Spiromesifen	0.015	0.5		
			77580	None Detected Above Loq				
			Spain	76644	Chlorothalonil	0.023	2	
					Cyprodinil	0.19	1	
				Fludioxonil	0.097	1		
				Mepanipyrim	0.1	1		
		76794	Chlorothalonil	0.068	2			
			Imidacloprid	0.038	0.5			
			Propamocarb	0.015	10			
			76829	Bupirimate	0.038	2		
				Chlorothalonil	0.012	2		
				Cyprodinil	0.06	1		
				Fenhexamid	0.068	1		
				Fludioxonil	0.02	1		
		77684	None Detected Above Loq					

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BRASSICA VEG	Cucumbers	Canary Islands	76719	Chlorothalonil	0.018	1	
		Holland	77160	Cyazofamid	0.024	0.1	
				Boscalid	0.03	3	
		Ireland	76889	Pymetrozine	0.056	0.5	
				Propamocarb	0.016	10	
		Spain	77170	None Detected Above Loq			
			77238	None Detected Above Loq			
			76651	Cyprodinil	0.013	0.5	
				Diithiocarbamates	0.05	2	
				Propamocarb	0.12	10	
			76697	2,4,6-Trichlorophenol	0.016	0.05	
				Chlorothalonil	0.019	1	
				Cyprodinil	0.069	0.5	
				Fenhexamid	0.021	1	
				Flonicamid	0.052	0.5	
				Fludioxonil	0.058	1	
				Fluopicolide	0.076	0.5	
				Propamocarb	0.73	10	
			77078	Spinosad	0.049	1	Organic
	Courgettes	Spain	76665	None Detected Above Loq			
			76841	Myclobutanyl	0.016	0.1	
				Spinosad	0.015	0.2	
			76908	Imidacloprid	0.022	1	
			76920	Imidacloprid	0.034	1	
			77108	None Detected Above Loq			
			77159	1-Naphthylacetamide	0.01	0.05	
				Imidacloprid	0.019	1	
			77578	1-Naphthylacetamide	0.034	0.05	
				Thiamethoxam	0.014	0.5	
	Melons	Honduras	76802	Imazalil	0.092	2	
	Summer Squash	Spain	76773	Carbendazim	0.031	0.1	
			77326	Thiophanate-Methyl	0.016	0.1	
	Winter Squash	Honduras	76960	Alpha-Endosulfan	0.012	0.05	
				Beta-Endosulfan	0.021	0.05	
				Bifenthrin	0.011	0.05	
				Chlorothalonil	0.53	1	
				Imidacloprid	0.015	1	
			77073	Beta-Endosulfan	0.01	0.05	
				Endosulfan-Sulphate	0.032	0.05	
	Watermelons	Spain	77034	Imidacloprid	0.023	0.2	
				Triadimenol	0.031	0.2	
			77231	None Detected Above Loq			
	Sweet Corn	Spain	76776	None Detected Above Loq			
		Thailand	76733	None Detected Above Loq			
			77020	None Detected Above Loq			
		Unknown	77772	None Detected Above Loq			Tinned
	Broccoli	Ecuador	77041	None Detected Above Loq			
		Holland	77193	None Detected Above Loq			
			77321	None Detected Above Loq			
			77430	None Detected Above Loq			
			77458	None Detected Above Loq			
		Ireland	77501	Propamocarb	0.019	10	
			77662	None Detected Above Loq			
			76785	None Detected Above Loq			
			77116	None Detected Above Loq			
		Italy		None Detected Above Loq			Organic
		Kenya		None Detected Above Loq			
		Spain	76907	None Detected Above Loq			
			76997	Chlorothalonil	0.011	5	
				Imidacloprid	0.011	0.5	
			77025	None Detected Above Loq			
			77161	Fluazifop Free Acid	0.3	0.2	Breach
	Cauliflower	France	76847	None Detected Above Loq			
		Ireland	77228	None Detected Above Loq			
			77372	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
LEAFY VEG	Brussels Sprouts	UK	77431	None Detected Above Loq			
			77563	None Detected Above Loq			
			77199	None Detected Above Loq			
		Ireland	77416	Difenoconazole	0.016	0.2	
				Iprodione	0.035	0.5	
			77687	Difenoconazole	0.01	0.2	
				Tebuconazole	0.011	0.5	
	Head Cabbage	Holland	77689	Difenoconazole	0.026	0.2	
			77269	None Detected Above Loq			
		Ireland	76757	Chlorpyrifos	0.16	1	
				Difenoconazole	0.062	0.2	
				Fluazifop Free Acid	1.4	0.3	Breach
				Fluopicolide	0.023	0.2	
				Iprodione	0.072	5	
				Methiocarb	0.065	0.1	
				Methiocarb-Sulfone	0.089	0.1	
				Methiocarb-Sulfoxide	0.23	0.1	Breach
				Propamocarb	0.76	10	
			76772	None Detected Above Loq			
			77162	None Detected Above Loq			
			77171	None Detected Above Loq			
			77194	None Detected Above Loq			
			77241	None Detected Above Loq			
			77274	Linuron	0.025	0.05	
			77325	Azoxystrobin	0.029	5	
			77371	Metalaxyl	0.032	1	
				Tebuconazole	0.074	1	
	Chinese Cabbage	Spain	77660	Azoxystrobin	0.036	5	
				Difenoconazole	0.035	0.2	
				Metalaxyl	0.015	1	
				Tebuconazole	0.05	1	
				Trifloxystrobin	0.02	0.3	
			76909	Azoxystrobin	0.037	5	
				Cypermethrin	0.042	1	
				Indoxacarb	0.064	3	
				Lambda-Cyhalothrin	0.036	0.2	
				Metalaxyl	0.013	1	
				Thiamethoxam	0.026	5	
			76918	Chlorothalonil	0.052	3	
			77026	Cypermethrin	0.04	1	
		UK	77411	None Detected Above Loq			
	Kale	Spain	76978	None Detected Above Loq			
			77087	Dithiocarbamates	0.07	0.5	
	Lambs Lettuce	Ireland	77085	None Detected Above Loq			
	Lettuce	France	76977	Pirimicarb Desmethyl	0.041	1	
				Spinosad	0.19	2	
			77089	Boscalid	0.021	30	
		Italy		Cypermethrin	1.41	1	Breach
				Spirotetramat	1.41	7	
				Thiamethoxam	0.037	0.2	
			76872	Boscalid	0.04	40	
			77165	Boscalid	0.84	40	
				Lambda-Cyhalothrin	0.2	1	
			77670	Cyprodinil	0.07	10	
				Deltamethrin	0.011	0.5	
				Fludioxonil	0.35	15	
				Propamocarb	1.44	30	
				Spinosad	1.35	10	
LEAFY VEG	Lettuce	France	77082	None Detected Above Loq			
			77004	Boscalid	0.037	30	
			77562	None Detected Above Loq			
		Ireland	76652	Fenhexamid	0.063	40	
				Pyrimethanil	0.014	20	
			76905	Azoxystrobin	0.018	3	
				Boscalid	0.025	30	
				Iprodione	0.11	10	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Mandipropamid	0.02	25	
				Propyzamide	0.019	1	
				Tolclofos-Methyl	0.11	2	
			76921	Boscalid	0.11	30	
				Propamocarb	0.024	50	
			77047	Acetamiprid	0.092	5	
				Boscalid	0.46	30	
				Cypermethrin	0.12	2	
				Propyzamide	0.015	1	
				Pyraclostrobin	0.014	2	
			77090	None Detected Above Loq			
			77156	Boscalid	0.016	30	
			77166	Boscalid	0.41	30	
				Cypermethrin	0.033	2	
				Propyzamide	0.03	1	
				Pyraclostrobin	0.025	2	
			77340	Boscalid	0.024	30	
				Propamocarb	0.057	50	
			77412	Cypermethrin	0.67	2	
			77418	Boscalid	0.076	30	
			77419	Boscalid	0.29	30	
				Cypermethrin	0.13	2	
				Propyzamide	0.048	1	
			77454	None Detected Above Loq			
			77490	Boscalid	0.016	30	
				Propamocarb	0.011	50	
				Propyzamide	0.034	1	
			77548	None Detected Above Loq			
			77576	Propamocarb	0.013	50	
			77679	Boscalid	0.01	30	
			77799	Propamocarb	0.018	50	
				Propyzamide	0.011	1	
		Italy	76755	Metalaxyl	0.08	3	
		Italy	77728	Chlorantraniliprole	1.53	20	
				Propamocarb	0.014	30	
		Slovakia	77726	None Detected Above Loq			
		Spain	76643	Azoxystrobin	0.01	3	
				Cyprodinil	0.023	15	
				Fludioxonil	0.016	15	
				Imidacloprid	0.021	2	
			76656	Boscalid	0.011	30	
				Dithiocarbamates	0.51	5	
				Folpet	0.05	2	
				Imidacloprid	0.18	2	
				Metalaxyl	0.013	3	
			76694	Cypermethrin	0.025	2	
				Cyprodinil	0.053	15	
				Fludioxonil	0.034	15	
				Imidacloprid	0.032	2	
				Pyrimethanil	0.01	20	
				Thiamethoxam	0.01	5	
			76749	Boscalid	0.032	30	
				Dimethomorph	0.048	10	
				Fenhexamid	0.073	40	
				Imidacloprid	0.055	2	
				Metalaxyl	0.12	3	
			76762	Acetamiprid	0.011	5	
				Fenhexamid	0.033	40	
				Imidacloprid	0.012	2	
				Thiamethoxam	0.044	5	
			76791	Difenoconazole	0.02	3	
				Imidacloprid	0.029	2	
			76848	Cyprodinil	0.01	15	
				Imidacloprid	0.01	2	
				Thiamethoxam	0.032	5	
			76862	Imidacloprid	0.072	2	
				Metalaxyl	0.026	3	
			76871	Imidacloprid	0.01	2	
				Thiamethoxam	0.011	5	
			76892	Dithiocarbamates	0.05	5	
				Imidacloprid	0.013	2	
			76911	Imidacloprid	0.047	2	
			76996	Thiamethoxam	0.048	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			77003	Imidacloprid	0.01	2	
			77022	Acetamiprid	0.016	5	
				Fenhexamid	0.018	40	
			77088	Imidacloprid	0.21	2	
				Metalaxyl	0.01	3	
				Thiamethoxam	0.011	5	
			77683	Imidacloprid	0.072	2	
			77725	Cypermethrin	0.043	2	
				Dimethomorph	0.21	10	
				Propamocarb	0.011	50	
			77778	Azoxystrobin	0.34	15	
				Cyprodinil	0.16	15	
				Difenoconazole	0.25	3	
				Dimethomorph	0.015	10	
				Fludioxonil	0.12	15	
				Lambda-Cyhalothrin	0.015	0.5	
				Spirotetramat	0.044	7	
			77798	Chlorpyrifos	0.01	0.05	
		UK	77270	None Detected Above Loq			
			77441	Boscalid	0.063	30	
				Lambda-Cyhalothrin	0.042	0.5	
	Mizuna	Italy	77669	Deltamethrin	0.037	0.5	
				Propamocarb	0.079	20	
	Scarole	Spain	77668	Acetamiprid	1.13	1.5	
				Azoxystrobin	0.33	15	
				Boscalid	0.024	30	
				Chlorantraniliprole	0.46	20	
				Clothianidin	0.015	5	
				Cyfluthrin	0.26	1	
				Imidacloprid	0.012	1	
				Propyzamide	0.14	1	
				Thiamethoxam	0.15	5	
	Rocket	Ireland	77526	Lambda-Cyhalothrin	0.043	1	
		Italy	77632	Chlorantraniliprole	1.95	20	
				Propamocarb	0.44	20	
			77682	Boscalid	0.014	30	
				Chlorantraniliprole	3.17	20	
				Metalaxyl	0.69	3	
	Rucola	Italy	76754	Boscalid	0.018	30	
	Spinach	France	77043	Phenmedipham	0.019	0.5	
		Ireland	77080	None Detected Above Loq			
			77208	Lambda-Cyhalothrin	0.016	0.5	
				Lenacil	0.022	0.1	
			77229	Lenacil	0.01	0.1	
			77463	None Detected Above Loq			Organic
			77493	Propamocarb	0.94	30	
		Italy	76751	Boscalid	0.01	30	
				Pencycuron	0.024	0.05	
			77612	Propamocarb	0.016	30	Organic
				Spinosad	0.63	10	
		Spain	76861	Imidacloprid	0.053	0.05	Breach/Organic
			77163	Spinosad	0.019	10	
		UK	77499	Boscalid	0.082	30	
				Deltamethrin	0.018	0.5	
				Dimethomorph	0.24	1	
				Mandipropamid	2.68	25	
			77671	Dimethomorph	0.024	1	
	Chard	Italy	76753	None Detected Above Loq			
			77673	Cyprodinil	0.015	10	
				Fludioxonil	0.015	7	
				Propamocarb	0.84	10	
				Spinosad	3.64	10	
	Water Cress	UK	77672	None Detected Above Loq			
	Chives	Kenya	76865	Azoxystrobin	2.74	70	
				Chlorothalonil	0.013	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE		
LEGUME VEG				Clothianidin	0.011	0.05			
				Cyfluthrin	0.15	0.02	Breach		
				Dimethomorph	0.94	10			
				Endosulfan-Sulphate	0.033	0.05			
				Folpet	0.54	0.02	Breach		
				Imidacloprid	0.062	2			
				Lambda-Cyhalothrin	0.68	1			
				Spinosad	0.028	10			
			Morocco	77686	Methiocarb-Sulfone	0.011	1		
					Methiocarb-Sulfoxide	0.016	1		
		Parsley	Ireland	77110	Linuron	0.032	1		
		Rosemary	Ireland	77532	None Detected Above Loq				
		Fennel	Italy	76667	Cyprodinil	0.083	0.2		
					Difenoconazole	0.011	5		
				76764	Cyprodinil	0.077	0.2		
					Fludioxonil	0.018	0.1		
				76904	None Detected Above Loq				
				77063	None Detected Above Loq				
		Basil	France	77039	Azoxystrobin	0.07	70		
				Metalaxyl	1.15	2			
			Israel	77209	Acetamiprid	5.96	3	Breach	
					Buprofezin	2.81	4		
					Dimethomorph	0.49	10		
					Mandipropamid	0.034	10		
					Pyraclostrobin	0.36	2		
				77727	Chlorothalonil	4.34	5		
					Difenoconazole	0.022	2		
					Dimethomorph	0.013	10		
					Fenhexamid	1.03	30		
					Metalaxyl	0.18	2		
					Pirimicarb	0.87	5		
					Pirimicarb Desmethyl	0.049	5		
		Lemongrass	Thailand	77606	None Detected Above Loq				
		Beans With Pods	Kenya	76689	Carbendazim	0.032	0.2		
				Egypt	77086	None Detected Above Loq			
					77175	None Detected Above Loq			
				Guatemala	76734	None Detected Above Loq			
					77327	Iprodione	0.023	5	
					77566	None Detected Above Loq			
				Morocco	76763	Azoxystrobin	0.051	3	
						Bifenthrin	0.017	0.5	
						Carbendazim	0.023	0.2	
						Dithiocarbamates	0.13	1	
					76790	Carbendazim	0.03	0.2	
						Methiocarb-Sulfone	0.095	0.2	
						Methiocarb-Sulfoxide	0.024	0.2	
					76893	None Detected Above Loq			
					76784	Flufenoxuron	0.02	0.5	
					76657	Pyridaben	0.059	0.5	
				Unknown	77745	Boscalid	0.02	3	
					77792	Carbendazim	0.028	0.2	
						Cyprodinil	0.051	2	
					77793	Boscalid	0.035	3	
			Beans Without Pods	China	77787	Acephate	0.013	0.02	
						Methamidophos	0.011	0.01	Breach
					77788	None Detected Above Loq			
					77791	None Detected Above Loq			
				Madagascar	77790	None Detected Above Loq			
				US	77789	Chlorpyrifos	0.01	0.05	
				Unknown	77741	Boscalid	0.01	3	
		Peas With Pods		Kenya	76851	Tebuconazole	0.01	2	
					76852	Acephate	0.013	0.02	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
STEM VEG	Pea Without Pods	Peru	77177	Tebuconazole	0.025	2	
		Guatemala	76942	Azoxystrobin	0.2	3	
				Boscalid	0.074	2	
				Chlorothalonil	0.062	2	
				Malathion	0.019	0.02	
				Methoxyfenozide	0.079	0.02	Breach
				Myclobutanil	0.011	0.02	
				Azoxystrobin	0.03	3	
				Chlorothalonil	0.49	2	
				Tebuconazole	0.015	2	
		UK	77457	None Detected Above Loq			Tinned
		Unknown	77740	Boscalid	0.012	3	
				Carbendazim	0.1	0.1	
				Pyrimethanil	0.014	0.2	
				Thiophanate-Methyl	0.019	0.1	
			77742	Azoxystrobin	0.016	3	
			77743	Azoxystrobin	0.082	3	
				Boscalid	0.17	3	
				Carbendazim	0.032	0.1	
				Thiophanate-Methyl	0.011	0.1	
			77744	None Detected Above Loq			
			77794	Azoxystrobin	0.033	3	
	Asparagus	Spain	76936	None Detected Above Loq			
	Celery	Italy	77077	None Detected Above Loq			Organic
		Senegal	76939	None Detected Above Loq			Organic
		Spain	76655	Difenoconazole	0.031	5	
			76765	Imidacloprid	0.02	2	
				Linuron	0.015	0.1	
				Linuron	0.014	0.1	
			76792	Linuron	0.014	0.1	
			76801	None Detected Above Loq			Organic
			76874	None Detected Above Loq			Organic
			76910	Imidacloprid	0.01	2	
			76919	Chlorothalonil	0.038	20	
			76982	None Detected Above Loq			
			77024	Azoxystrobin	0.017	5	
			77046	Linuron	0.049	0.1	
				Difenoconazole	0.067	5	
				Imidacloprid	0.023	2	
				Indoxacarb	0.032	2	
			77092	Chlorothalonil	0.19	20	
FUNGI	Leek	France	77084	Indoxacarb	0.013	2	
				Linuron	0.061	0.1	
		Holland	77227	Boscalid	0.017	5	
				Chlorothalonil	0.048	40	
				Thiabendazole	0.019	0.05	
				Boscalid	0.011	5	
		Ireland	77308	Tebuconazole	0.018	1	
				None Detected Above Loq			Organic
				Deltamethrin	0.013	0.2	
				Trifloxystrobin	0.024	0.2	
	Rhubarb	Spain	77564	None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
		UK	77027	Azoxystrobin	0.037	10	
				Azoxystrobin	0.014	10	
				Azoxystrobin	0.017	10	
				Tebuconazole	0.015	1	
		Ireland	77571	None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	Spain	77579	Tebuconazole	0.012	1	
				None Detected Above Loq			Organic
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	UK	76938	Tebuconazole	0.012	1	
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	Ireland	77081	None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	Ireland	76752	None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	Ireland	77144	None Detected Above Loq			
				None Detected Above Loq			
				None Detected Above Loq			
	Cultivated Mushroom	Ireland	77167	Prochloraz	0.02	3	
				Prochloraz	0.02	3	
				Prochloraz	0.02	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
CEREAL	Rapeseed Oil		77169	Prochloraz	0.064	3	
			77196	None Detected Above Loq			
			77277	None Detected Above Loq			
			77322	None Detected Above Loq			
			77330	None Detected Above Loq			
			77408	Ortho-Phenylphenol	0.01	0.05	
			77433	None Detected Above Loq			
			77445	None Detected Above Loq			
			77448	None Detected Above Loq			
			77567	None Detected Above Loq			
			77569	None Detected Above Loq			
			77617	None Detected Above Loq			
				Prochloraz	0.014	3	
			77649	None Detected Above Loq			
			77661	None Detected Above Loq			
			77734	Prochloraz	0.024	3	
			77735	Prochloraz	0.012	3	
			77736	Prochloraz	0.011	3	
			77737	None Detected Above Loq			
			77738	None Detected Above Loq			
			77739	None Detected Above Loq			
		UK	77413	Ortho-Phenylphenol	0.23	0.05	Breach
		Ireland	77642	Chlorpyrifos-Methyl	0.011	0.05	Processed
			77643	None Detected Above Loq			Processed
			77645	None Detected Above Loq			Processed
		UK	77651	None Detected Above Loq			Processed Organic
			77646	Chlorpyrifos-Methyl	0.023	0.05	Processed
			77663	Chlorpropham	0.16	0.1	Processed
		Unknown	77644	None Detected Above Loq			Processed Organic
			77650	None Detected Above Loq			Processed
			77652	None Detected Above Loq			Processed Organic
	Ginger	China	76654	None Detected Above Loq			
			76971	Chlorpyrifos	0.017	1	
		Thailand		Imidacloprid	0.021	0.05	
			77460	None Detected Above Loq			
	Barley	Ireland	76879	Chlormequat	0.039	2	
				Glyphosate	0.19	20	
			76880	None Detected Above Loq			
			76881	Chlormequat	0.076	2	
				Glyphosate	0.12	20	
				Mepiquat	0.028	3	
			76882	Chlormequat	0.041	2	
				Mepiquat	0.053	3	
			76883	None Detected Above Loq			
			76884	Boscalid	0.01	3	
				Chlormequat	0.02	2	
				Mepiquat	0.02	3	
			76885	Chlormequat	0.02	2	
			76886	Chlormequat	0.069	2	
			76887	Chlormequat	0.1	2	
			76888	Chlormequat	0.051	2	
			77376	Chlorothalonil	0.027	0.3	
			77377	None Detected Above Loq			
			77378	None Detected Above Loq			
			77379	None Detected Above Loq			
			77380	Chlorothalonil	0.046	0.3	
				Epoxiconazole	0.029	1.5	
				Fluxapyroxad	0.064	2	
	Oats	Ireland	77381	Tebuconazole	0.017	2	
			77382	Pyraclostrobin	0.013	1	
				Tebuconazole	0.015	2	
			77383	None Detected Above Loq			
			77384	None Detected Above Loq			
			77385	None Detected Above Loq			
			77386	Pyraclostrobin	0.031	1	
				Tebuconazole	0.091	2	
			77387	None Detected Above Loq			
			77388	None Detected Above Loq			Organic
			77389	None Detected Above Loq			Organic

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			77390	Pyraclostrobin	0.018	1	
			77391	Boscalid	0.014	3	
				Pyraclostrobin	0.015	1	
			77392	Pyraclostrobin	0.016	1	
			77393	None Detected Above Loq			Organic
			77508	Pyraclostrobin	0.01	1	
			77509	None Detected Above Loq			
			77510	Azoxystrobin	0.02	0.5	
				Tebuconazole	0.045	2	
			77511	Boscalid	0.019	3	
				Tebuconazole	0.01	2	
			77512	Pyraclostrobin	0.01	1	
			77513	None Detected Above Loq			
			77514	None Detected Above Loq			
			77515	Pyraclostrobin	0.017	1	
			77516	None Detected Above Loq			
			77517	Azoxystrobin	0.02	0.5	
				Tebuconazole	0.022	2	
			77518	None Detected Above Loq			
			77519	Pyraclostrobin	0.014	1	
	Rice	India	77603	Buprofezin	0.012	0.5	
				Tricyclazole	0.01	1	
			77605	Buprofezin	0.014	0.5	
				Isoprothiolane	0.067	5	
				Tricyclazole	0.035	1	
		Unknown	77596	Buprofezin	0.013	0.5	
				Isoprothiolane	0.011	5	
				Tricyclazole	0.014	1	
			77597	Isoprothiolane	0.035	5	
			77598	Isoprothiolane	0.011	5	
				Tricyclazole	0.013	1	
			77599	Tricyclazole	0.014	1	
			77600	Isoprothiolane	0.039	5	
				Tricyclazole	0.015	1	
			77601	Pirimiphos-Methyl	0.027	5	
				Tricyclazole	0.033	1	
			77602	Tricyclazole	0.012	1	
			77604	Deltamethrin	0.018	2	
	Wheat	France	77536	Deltamethrin	0.095	2	
			77540	Deltamethrin	0.14	2	
			77544	Chlorpyrifos-Methyl	0.018	3	
				Deltamethrin	0.024	2	
				Pirimiphos-Methyl	0.043	5	
			77545	Chlorpyrifos-Methyl	0.033	3	
				Deltamethrin	0.21	2	
				Pirimiphos-Methyl	0.13	5	
			77546	Chlorpyrifos-Methyl	0.086	3	
				Deltamethrin	0.031	2	
				Pirimiphos-Methyl	0.12	5	
			77541	None Detected Above Loq			
		Ireland	77398	None Detected Above Loq			
			77399	None Detected Above Loq			
			77400	None Detected Above Loq			
			77401	None Detected Above Loq			
			77402	None Detected Above Loq			
			77403	None Detected Above Loq			
			77404	None Detected Above Loq			
			77405	Chlormequat	0.03	2	
				Glyphosate	0.15	10	
			77406	Chlormequat	0.21	2	
			77407	Chlormequat	0.27	2	
				Mepiquat	0.025	2	
				Pirimiphos-Methyl	0.01	5	
			77543	Chlorpyrifos-Methyl	0.016	3	
				Deltamethrin	0.045	2	
				Pirimiphos-Methyl	0.037	5	
			77537	None Detected Above Loq			
		UK	77538	Deltamethrin	0.021	2	
			77539	None Detected Above Loq			
			77542	Deltamethrin	0.021	2	
			77543	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
ANIMAL ORIGIN	Bovine Fat	Ireland	800785	None Detected Above Loq			
			800786	None Detected Above Loq			
			800799	None Detected Above Loq			
			800800	None Detected Above Loq			
			800801	None Detected Above Loq			
			800802	None Detected Above Loq			
			800803	None Detected Above Loq			
			800804	None Detected Above Loq			
			800805	None Detected Above Loq			
			800806	None Detected Above Loq			
			800807	None Detected Above Loq			
			800808	None Detected Above Loq			
			800809	None Detected Above Loq			
			800829	None Detected Above Loq			
			800830	None Detected Above Loq			
			800835	None Detected Above Loq			
			800836	None Detected Above Loq			
			800837	None Detected Above Loq			
			800842	None Detected Above Loq			
			800843	None Detected Above Loq			
			800844	None Detected Above Loq			
			800845	None Detected Above Loq			
			800846	None Detected Above Loq			
			800860	None Detected Above Loq			
			800861	None Detected Above Loq			
			800862	None Detected Above Loq			
			800867	None Detected Above Loq			
			800868	None Detected Above Loq			
			800871	None Detected Above Loq			
			800872	None Detected Above Loq			
			800877	None Detected Above Loq			
			800878	None Detected Above Loq			
			800884	None Detected Above Loq			
			800885	None Detected Above Loq			
			800886	None Detected Above Loq			
			800888	None Detected Above Loq			
			800890	None Detected Above Loq			
			800891	None Detected Above Loq			
			800895	None Detected Above Loq			
			800896	None Detected Above Loq			
			800897	None Detected Above Loq			
			800898	None Detected Above Loq			
			800899	None Detected Above Loq			
			800900	None Detected Above Loq			
			800902	None Detected Above Loq			
			800910	None Detected Above Loq			
			800917	None Detected Above Loq			
			800929	None Detected Above Loq			
			800935	None Detected Above Loq			
			800936	None Detected Above Loq			
			800937	None Detected Above Loq			
			800958	None Detected Above Loq			
			800960	None Detected Above Loq			
			800965	None Detected Above Loq			
			800967	None Detected Above Loq			
			800968	None Detected Above Loq			
			800970	None Detected Above Loq			
			800973	None Detected Above Loq			
			800974	None Detected Above Loq			
			800977	None Detected Above Loq			
			800978	None Detected Above Loq			
			800979	None Detected Above Loq			
			800980	None Detected Above Loq			
			800981	None Detected Above Loq			
			800982	None Detected Above Loq			
			800983	None Detected Above Loq			
			800984	None Detected Above Loq			
			800990	None Detected Above Loq			
			800992	None Detected Above Loq			
			800996	None Detected Above Loq			
			800997	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			800998	None Detected Above Loq			
			801002	None Detected Above Loq			
			801003	None Detected Above Loq			
			801004	None Detected Above Loq			
			801005	None Detected Above Loq			
			801006	None Detected Above Loq			
			801009	None Detected Above Loq			
			801016	None Detected Above Loq			
			801031	None Detected Above Loq			
			801034	None Detected Above Loq			
			801042	None Detected Above Loq			
			801065	None Detected Above Loq			
			801068	None Detected Above Loq			
			801069	None Detected Above Loq			
			801070	None Detected Above Loq			
			801071	Ppdde	0.007	1	
			801072	None Detected Above Loq			
			801074	None Detected Above Loq			
			801075	None Detected Above Loq			
			801078	None Detected Above Loq			
			801084	None Detected Above Loq			
			801085	None Detected Above Loq			
			801086	None Detected Above Loq			
			801088	None Detected Above Loq			
			801093	None Detected Above Loq			
			801098	None Detected Above Loq			
			801099	None Detected Above Loq			
			801111	None Detected Above Loq			
			801127	None Detected Above Loq			
			801130	None Detected Above Loq			
			801131	None Detected Above Loq			
			801132	None Detected Above Loq			
			801133	None Detected Above Loq			
			801139	None Detected Above Loq			
			801140	None Detected Above Loq			
			801141	None Detected Above Loq			
			801142	None Detected Above Loq			
			801148	None Detected Above Loq			
			801149	None Detected Above Loq			
			801150	None Detected Above Loq			
			801153	None Detected Above Loq			
			801163	None Detected Above Loq			
			801164	None Detected Above Loq			
			801171	None Detected Above Loq			
			801172	None Detected Above Loq			
			801183	None Detected Above Loq			
	Cervine Fat	Ireland	801017	None Detected Above Loq			
			801018	None Detected Above Loq			
			801019	None Detected Above Loq			
			801020	None Detected Above Loq			
			801021	None Detected Above Loq			
			801094	None Detected Above Loq			
			801095	None Detected Above Loq			
			801096	None Detected Above Loq			
			801097	None Detected Above Loq			
			801184	None Detected Above Loq			
	Equine Fat	Ireland	800909	None Detected Above Loq			
			800976	None Detected Above Loq			
			801064	None Detected Above Loq			
			801089	Pcb 180	0.005	0.04	
			801090	None Detected Above Loq			
			801147	None Detected Above Loq			
			801159	None Detected Above Loq			
	Ovine Fat	Ireland	800788	Diazinon	0.009	0.05	
			800789	Ppdde	0.006	1	
			800790	None Detected Above Loq			
			800791	None Detected Above Loq			
			800792	None Detected Above Loq			
			800793	None Detected Above Loq			
			800813	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			800814	Ppdde	0.013	1	
			800819	None Detected Above Loq			
			800820	Hexachlorobenzene	0.006	0.2	
			800821	None Detected Above Loq			
			800822	None Detected Above Loq			
			800825	None Detected Above Loq			
			800826	None Detected Above Loq			
			800827	None Detected Above Loq			
			800828	None Detected Above Loq			
			800852	None Detected Above Loq			
			800863	None Detected Above Loq			
			800865	None Detected Above Loq			
			800866	None Detected Above Loq			
			800869	None Detected Above Loq			
			800870	Diazinon	0.16	0.05	VM MRL 0.7
			800876	Ppdde	0.005	1	
			800883	None Detected Above Loq			
			800887	None Detected Above Loq			
			800901	None Detected Above Loq			
			800906	None Detected Above Loq			
			800907	None Detected Above Loq			
			800911	None Detected Above Loq			
			800912	None Detected Above Loq			
			800913	None Detected Above Loq			
			800928	None Detected Above Loq			
			800938	None Detected Above Loq			
			800939	None Detected Above Loq			
			800940	None Detected Above Loq			
			800941	Hexachlorobenzene	0.005	0.2	
			800942	Hexachlorobenzene	0.005	0.2	
			800947	None Detected Above Loq			
			800955	None Detected Above Loq			
			800956	None Detected Above Loq			
			800957	None Detected Above Loq			
			800959	Ppdde	0.033	1	
			800962	None Detected Above Loq			
			800963	None Detected Above Loq			
			800964	None Detected Above Loq			
			800966	None Detected Above Loq			
			800969	None Detected Above Loq			
			800975	Diazinon	0.012	0.7	
			800986	None Detected Above Loq			
			800991	None Detected Above Loq			
			800993	None Detected Above Loq			
			800994	None Detected Above Loq			
			800999	None Detected Above Loq			
			801000	None Detected Above Loq			
			801001	None Detected Above Loq			
			801015	None Detected Above Loq			
			801039	None Detected Above Loq			
			801040	None Detected Above Loq			
			801041	None Detected Above Loq			
			801053	None Detected Above Loq			
			801060	None Detected Above Loq			
			801061	None Detected Above Loq			
			801062	None Detected Above Loq			
			801063	Diazinon	0.014	0.7	
			801066	None Detected Above Loq			
			801067	None Detected Above Loq			
			801073	None Detected Above Loq			
			801076	None Detected Above Loq			
			801077	Hexachlorobenzene	0.005	0.2	
			801079	None Detected Above Loq			
			801082	None Detected Above Loq			
			801087	None Detected Above Loq			
			801091	None Detected Above Loq			
			801092	None Detected Above Loq			
			801108	None Detected Above Loq			
			801109	Diazinon	0.006	0.7	
			801110	Diazinon	0.069	0.7	
			801112	None Detected Above Loq			
			801113	None Detected Above Loq			
			801114	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801128	Ppdde	0.005	1	
			801129	None Detected Above Loq			
			801136	None Detected Above Loq			
			801137	None Detected Above Loq			
			801138	None Detected Above Loq			
			801151	None Detected Above Loq			
			801152	None Detected Above Loq			
			801158	None Detected Above Loq			
			801160	None Detected Above Loq			
			801161	None Detected Above Loq			
	Porcine Meat	Germany	77350	None Detected Above Loq			Processed
		Ireland	77344	None Detected Above Loq			Processed
			77345	None Detected Above Loq			Processed
			77347	None Detected Above Loq			Processed
			77348	None Detected Above Loq			Processed
			77349	None Detected Above Loq			Processed
			77362	None Detected Above Loq			Processed
			77365	None Detected Above Loq			Processed
			77366	None Detected Above Loq			Processed
			77368	None Detected Above Loq			Processed
		UK	77364	None Detected Above Loq			Processed
		Unknown	77346	None Detected Above Loq			Processed
			77351	None Detected Above Loq			Processed
			77363	None Detected Above Loq			Processed
			77367	None Detected Above Loq			Processed
	Porcine Fat	Ireland	801057	None Detected Above Loq			
		Ireland	800794	None Detected Above Loq			
			800795	None Detected Above Loq			
			800796	None Detected Above Loq			
			800797	None Detected Above Loq			
			800798	None Detected Above Loq			
			800810	None Detected Above Loq			
			800811	None Detected Above Loq			
			800812	None Detected Above Loq			
			800815	None Detected Above Loq			
			800816	None Detected Above Loq			
			800817	None Detected Above Loq			
			800818	None Detected Above Loq			
			800838	None Detected Above Loq			
			800839	None Detected Above Loq			
			800840	None Detected Above Loq			
			800880	None Detected Above Loq			
			800881	None Detected Above Loq			
			800882	None Detected Above Loq			
			800889	None Detected Above Loq			
			800892	None Detected Above Loq			
			800893	None Detected Above Loq			
			800894	None Detected Above Loq			
			800904	None Detected Above Loq			
			800905	None Detected Above Loq			
			800930	None Detected Above Loq			
			800931	None Detected Above Loq			
			800948	None Detected Above Loq			
			800949	None Detected Above Loq			
			800950	None Detected Above Loq			
			800951	None Detected Above Loq			
			800952	None Detected Above Loq			
			800953	None Detected Above Loq			
			800954	None Detected Above Loq			
			800987	None Detected Above Loq			
			800988	None Detected Above Loq			
			800989	None Detected Above Loq			
			801010	None Detected Above Loq			
			801011	None Detected Above Loq			
			801012	None Detected Above Loq			
			801032	None Detected Above Loq			
			801033	None Detected Above Loq			
			801043	None Detected Above Loq			
			801044	None Detected Above Loq			
			801058	None Detected Above Loq			
			801059	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801080	None Detected Above Loq			
			801081	None Detected Above Loq			
			801100	Ortho-Phenylphenol	0.008	0.05	
			801101	None Detected Above Loq			
			801102	None Detected Above Loq			
			801103	None Detected Above Loq			
			801143	None Detected Above Loq			
			801144	None Detected Above Loq			
			801145	None Detected Above Loq			
			801146	None Detected Above Loq			
			801154	None Detected Above Loq			
			801155	None Detected Above Loq			
			801156	None Detected Above Loq			
			801157	None Detected Above Loq			
	Poultry Fat	Ireland	800787	None Detected Above Loq			
			800823	None Detected Above Loq			
			800824	None Detected Above Loq			
			800864	None Detected Above Loq			
			800873	None Detected Above Loq			
			800874	None Detected Above Loq			
			800875	None Detected Above Loq			
			800879	None Detected Above Loq			
			800946	None Detected Above Loq			
			800971	None Detected Above Loq			
			800972	None Detected Above Loq			
			800985	None Detected Above Loq			
			800995	None Detected Above Loq			
			801007	None Detected Above Loq			
			801008	None Detected Above Loq			
			801013	None Detected Above Loq			
			801014	None Detected Above Loq			
			801083	None Detected Above Loq			
			801134	Ortho-Phenylphenol	0.024	0.05	
			801135	None Detected Above Loq			
			801162	None Detected Above Loq			
			801165	None Detected Above Loq			
			801166	None Detected Above Loq			
			801167	None Detected Above Loq			
			801168	None Detected Above Loq			
			801169	None Detected Above Loq			
			801170	None Detected Above Loq			
	Bovine Milk	Ireland	800831	None Detected Above Loq			
			800832	None Detected Above Loq			
			800833	None Detected Above Loq			
			800834	None Detected Above Loq			
			800847	None Detected Above Loq			
			800848	None Detected Above Loq			
			800849	None Detected Above Loq			
			800850	None Detected Above Loq			
			800851	None Detected Above Loq			
			800853	None Detected Above Loq			
			800854	None Detected Above Loq			
			800855	None Detected Above Loq			
			800856	None Detected Above Loq			
			800857	None Detected Above Loq			
			800858	None Detected Above Loq			
			800859	None Detected Above Loq			
			800916	None Detected Above Loq			
			800918	None Detected Above Loq			
			800919	None Detected Above Loq			
			800921	None Detected Above Loq			
			800923	None Detected Above Loq			
			800924	None Detected Above Loq			
			800925	None Detected Above Loq			
			800926	None Detected Above Loq			
			800933	None Detected Above Loq			
			800934	None Detected Above Loq			
			800943	None Detected Above Loq			
			800944	None Detected Above Loq			
			800945	None Detected Above Loq			
			801022	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BABY FOOD			801023	None Detected Above Loq			
			801024	None Detected Above Loq			
			801025	None Detected Above Loq			
			801035	None Detected Above Loq			
			801045	None Detected Above Loq			
			801046	None Detected Above Loq			
			801047	None Detected Above Loq			
			801048	None Detected Above Loq			
			801049	None Detected Above Loq			
			801051	None Detected Above Loq			
			801052	None Detected Above Loq			
			801055	None Detected Above Loq			
			801056	None Detected Above Loq			
			801104	None Detected Above Loq			
			801105	None Detected Above Loq			
			801106	None Detected Above Loq			
			801107	None Detected Above Loq			
			801115	None Detected Above Loq			
			801116	None Detected Above Loq			
			801119	None Detected Above Loq			
			801120	None Detected Above Loq			
	Goat Milk	Ireland	801121	None Detected Above Loq			
			801122	None Detected Above Loq			
			801123	None Detected Above Loq			
			801124	None Detected Above Loq			
			801125	None Detected Above Loq			
			801126	None Detected Above Loq			
	Sheep Milk	Ireland	800922	None Detected Above Loq	0.031	0.01	VM MRL 0.2
			801029	None Detected Above Loq			
			801030	None Detected Above Loq			
			801036	None Detected Above Loq			
			801050	None Detected Above Loq			
	Chicken Egg	Ireland	801054	None Detected Above Loq			
			800927	None Detected Above Loq			
	Honey	Ireland	801028	None Detected Above Loq			
			800914	None Detected Above Loq			
			800915	None Detected Above Loq			
			800920	None Detected Above Loq			
			800932	None Detected Above Loq			
			801026	None Detected Above Loq			
			801027	None Detected Above Loq			
			801037	None Detected Above Loq			
			801038	None Detected Above Loq			
			801117	None Detected Above Loq			
			801118	None Detected Above Loq			
	Infant Formula	Ireland	800961	None Detected Above Loq			
			801173	None Detected Above Loq			
			801174	None Detected Above Loq			
			801175	None Detected Above Loq			
			801176	None Detected Above Loq			
			801177	None Detected Above Loq			
			801178	None Detected Above Loq			
			801179	None Detected Above Loq			
			801180	None Detected Above Loq			
			801181	None Detected Above Loq			
		Unknown	801182	None Detected Above Loq			
			801186	Amitraz			
	Infant Formula	Ireland	76944	None Detected Above Loq			Processed
			76945	None Detected Above Loq			Processed
			76946	None Detected Above Loq			Processed
			76947	None Detected Above Loq			Processed
			76948	None Detected Above Loq			Processed
			76949	None Detected Above Loq			Processed
			76950	None Detected Above Loq			Processed
			76951	None Detected Above Loq			Processed
			76952	None Detected Above Loq			Processed
			76953	None Detected Above Loq			Processed
			77122	None Detected Above Loq			Processed

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
Enforcement			77123	None Detected Above Loq			Processed
			77124	None Detected Above Loq			Processed
			77125	None Detected Above Loq			Processed
			77126	None Detected Above Loq			Processed
			77127	None Detected Above Loq			Processed
			77128	None Detected Above Loq			Processed
			77129	None Detected Above Loq			Processed
			77130	None Detected Above Loq			Processed
			77131	None Detected Above Loq			Processed
			77479	None Detected Above Loq			Processed
			77480	None Detected Above Loq			Processed
			77481	None Detected Above Loq			Processed
			77482	None Detected Above Loq			Processed
			77483	None Detected Above Loq			Processed
			77484	None Detected Above Loq			Processed
			77485	None Detected Above Loq			Processed
			77486	None Detected Above Loq			Processed
			77487	None Detected Above Loq			Processed
			77488	None Detected Above Loq			Processed
			77691	None Detected Above Loq			Processed
			77692	None Detected Above Loq			Processed
			77693	None Detected Above Loq			Processed
			77694	None Detected Above Loq			Processed
			77695	None Detected Above Loq			Processed
			77696	None Detected Above Loq			Processed
			77697	None Detected Above Loq			Processed
			77698	None Detected Above Loq			Processed
			77699	None Detected Above Loq			Processed
			77700	None Detected Above Loq			Processed
	Brussels Sprouts	Ireland	77647	None Detected Above Loq			
	Carrots	Spain	76981	None Detected Above Loq			
	Courgettes	Spain	76761	Dithiocarbamates	0.13	2	
				Imidacloprid	0.01	1	
				Propamocarb	0.052	10	
	Cultivated Mushroom	Ireland	76873	None Detected Above Loq	0	0	
	Head Cabbage	Ireland	76799	Fluazifop Free Acid	1.23	0.3	Breach
				Chlorpyrifos	0.01	1	
				Difenoconazole	0.01	0.2	
				Fluazifop Free Acid	0.048	0.3	
				Iprodione	0.014	5	
				Propamocarb	0.4	10	
				Chlorpyrifos	0.014	1	
				Indoxacarb	0.012	3	
				Boscalid	9.75	30	
				Difenoconazole	1.76	2	
	Kale	UK	77491	Lambda-Cyhalothrin	0.27	1	
				Pirimicarb	0.15	1	
				Pirimicarb Desmethyl	0.72	1	
				Pyraclostrobin	0.85	1.5	
				Thiacloprid	1.69	1	Breach
				Boscalid	0.033	30	
				Iprodione	0.087	10	
				Mandipropamid	0.015	25	
	Lettuce	Ireland	77232	Propyzamide	0.011	1	
				Thiamethoxam	0.039	5	
				Dieldrin	0.021	0.05	
				Pirimicarb	0.029	1	
	Orange	Egypt	77071	Thiacloprid	0.02	0.3	
				Imazalil	3.65	5	
	Parsnips	Ireland	76968	Imazalil	1.49	5	
				Boscalid	0.017	2	
				Linuron	0.043	0.2	
				Pendimethalin	0.039	0.2	
				Tebuconazole	0.024	0.5	
	Rapeseed Oil	Ireland	77653	None Detected Above Loq	0	0	
	Strawberry	Ireland	77037	Fenhexamid	0.024	5	
				Iprodione	0.016	15	
				Pirimicarb	0.027	3	
	Swedes	Ireland	76809	None Detected Above Loq			
	Chicken	Ireland	76891	None Detected Above Loq			
			76722	None Detected Above Loq			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
R669/2009	Beans With Pods	Kenya	76723	None Detected Above Loq			
			76724	None Detected Above Loq			
			76725	None Detected Above Loq			
			76726	None Detected Above Loq			
			76914	None Detected Above Loq	0	0	
			76768	None Detected Above Loq	0	0	
			76797	Trifloxystrobin	0.015	0.5	
			76822	Bifenthrin	0.04	0.5	
				Thiacloprid	0.026	1	
			77064	Azoxystrobin	0.011	3	
				Iprodione	0.11	5	
			77103	None Detected Above Loq	0	0	
			77105	Azoxystrobin	0.011	3	
				Cypermethrin	0.033	0.7	
				Dimethoate	0.033	0.02	Breach
			77142	Azoxystrobin	0.017	3	
				Chlorothalonil	0.059	5	
				Dimethoate	0.11	0.02	Breach
				Omethoate	0.016	0.02	
				Tebuconazole	0.021	2	
			77157	Azoxystrobin	0.015	3	
				Cypermethrin	0.083	0.7	
				Dimethoate	0.025	0.02	Breach
			77183	Lambda-Cyhalothrin	0.01	0.2	
			77216	Azoxystrobin	0.17	3	
			77257	Bifenthrin	0.065	0.5	
				Lambda-Cyhalothrin	0.016	0.2	
				Tebuconazole	0.022	2	
			77317	None Detected Above Loq	0	0	
			77342	None Detected Above Loq	0	0	
			77369	Azoxystrobin	0.098	3	
				Deltamethrin	0.021	0.2	
			77443	Imidacloprid	0.013	2	
			77478	None Detected Above Loq	0	0	
			77520	None Detected Above Loq	0	0	
			77533	Azoxystrobin	0.036	3	
			77534	None Detected Above Loq	0	0	
			77595	None Detected Above Loq	0	0	
			77654	Tebuconazole	0.038	2	
			77674	Deltamethrin	0.03	0.2	
			77729	None Detected Above Loq	0	0	
			77785	None Detected Above Loq	0	0	
			77805	Bifenthrin	0.034	0.5	
			77820	None Detected Above Loq	0	0	
			77824	Chlorpyrifos	0.01	0.05	
				Tebuconazole	0.041	2	
			76704	Chlorpyrifos	0.021	0.05	
				Imidacloprid	0.01	2	
	Peas With Pod	Kenya	76876	None Detected Above Loq	0	0	
			76877	Difenoconazole	0.015	1	
				Dimethoate	0.047	0.02	Breach
				Metalaxyl	0.017	0.05	
				Tebuconazole	0.013	2	
			77215	Azoxystrobin	0.035	3	
			77318	Azoxystrobin	0.043	3	
				Cypermethrin	0.14	0.7	
				Difenoconazole	0.36	1	
				Lambda-Cyhalothrin	0.017	0.2	
			77521	Azoxystrobin	0.053	3	
				Imidacloprid	0.062	5	
				Thiamethoxam	0.032	0.2	
			77655	None Detected Above Loq	0	0	
			77675	Azoxystrobin	0.018	3	
				Cypermethrin	0.15	0.7	
				Famoxadone	0.031	0.02	Breach
			77690	Azoxystrobin	0.047	3	
				Cypermethrin	0.032	0.7	
			77786	Azoxystrobin	0.11	3	
			77821	Azoxystrobin	0.015	3	
				Dimethoate	0.038	0.02	Breach
			76878	Chlorothalonil	0.042	2	
				Cypermethrin	0.037	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Metalaxyl	0.019	0.05	
				Tebuconazole	0.028	2	
			76913	Cypermethrin	0.061	0.7	
				Tebuconazole	0.13	2	
			77104	Azoxystrobin	0.014	3	
				Chlorothalonil	0.45	2	
				Cypermethrin	0.036	0.7	
				Dimethoate	0.12	0.02	Breach
				Imidacloprid	0.019	5	
				Omethoate	0.031	0.02	Breach
				Tebuconazole	0.016	2	
			77214	Azoxystrobin	0.022	3	
			77343	None Detected Above Loq	0	0	
			77522	Bupirimate	0.015	0.05	
			77806	None Detected Above Loq	0	0	
	Okra	India	76703	Acetamiprid	0.063	0.01	Breach
				Bifenthrin	0.036	0.2	
				Carbendazim	0.044	2	
				Cypermethrin	0.17	0.5	
				Deltamethrin	0.015	0.3	
				Dimethoate	0.25	0.02	Breach
				Imidacloprid	0.033	0.5	
				Monocrotophos	0.39	0.01	Breach
				Omethoate	0.12	0.02	Breach
				Profenofos	0.1	0.05	Breach
				Triazophos	0.15	0.01	Breach
	Orange	Egypt	76769	Imazalil	3.42	5	
				Lambda-Cyhalothrin	0.069	0.2	
				Ortho-Phenylphenol	1.71	5	
				Pyrimethanil	0.69	10	
				Thiabendazole	4.77	5	
			76778	2,4-D	0.042	1	
				Chlorpyrifos	0.015	0.3	
				Imazalil	2.1	5	
				Ortho-Phenylphenol	0.033	5	
				Pyrimethanil	0.01	10	
				Thiabendazole	1.19	5	
			76823	Imazalil	2.34	5	
				Ortho-Phenylphenol	0.021	5	
				Thiabendazole	1.26	5	
			76824	Imazalil	2.2	5	
				Malathion	0.025	0.02	Breach
				Ortho-Phenylphenol	15.04	5	Breach
				Thiabendazole	1.57	5	
			76825	Imazalil	1.34	5	
				Ortho-Phenylphenol	8.25	5	Breach
				Thiabendazole	1.13	5	
			76840	Chlorpyrifos	0.033	0.3	
				Imazalil	3.01	5	
				Ortho-Phenylphenol	7.4	5	Breach
				Pendimethalin	0.014	0.05	
				Thiabendazole	2.79	5	
			76915	Chlorpyrifos	0.26	0.3	
				Imazalil	2.73	5	
				Ortho-Phenylphenol	1.5	5	
				Pyrimethanil	0.022	10	
				Thiabendazole	1.54	5	
			76984	Imazalil	1.8	5	
				Pyrimethanil	1.24	10	
				Pyriproxyfen	0.022	0.6	
				Thiabendazole	0.82	5	
			76985	Chlorpyrifos	0.15	0.3	
				Imazalil	1.53	5	
				Metalaxyl	0.011	0.5	
				Ortho-Phenylphenol	1.98	5	
				Pyriproxyfen	0.022	0.6	
				Thiabendazole	1.18	5	
			77065	2,4-D	0.04	1	
				Imazalil	2.6	5	
				Ortho-Phenylphenol	0.011	5	
				Pyrimethanil	0.17	10	
				Pyriproxyfen	0.011	0.6	
				Thiabendazole	1.92	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	PESTICIDE	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			77066	Imazalil	7.98	5	Breach
				Ortho-Phenylphenol	3.77	5	
				Pyrimethanil	0.18	10	
				Thiabendazole	2.48	5	
			77070	Chlorpyrifos	0.011	0.3	
				Imazalil	1.57	5	
				Ortho-Phenylphenol	0.016	5	
				Pyriproxyfen	0.058	0.6	
				Thiabendazole	1.3	5	
			77111	Chlorpyrifos	0.098	0.3	
				Imazalil	2.68	5	
				Imidacloprid	0.015	1	
				Ortho-Phenylphenol	2.6	5	
				Pyriproxyfen	0.017	0.6	
				Thiabendazole	1.73	5	
			77158	Chlorpyrifos	0.18	0.3	
				Chlorpyrifos-Methyl	0.01	0.5	
				Imazalil	1.26	5	
				Imidacloprid	0.029	1	
				Metalaxyl	0.044	0.5	
				Ortho-Phenylphenol	1.71	5	
				Pyriproxyfen	0.022	0.6	
				Thiabendazole	0.95	5	
	Pepper	Turkey	76650	None Detected Above Loq	0	0	
			76728	Chlorpyrifos	0.012	0.5	
			77796	None Detected Above Loq	0	0	
	Strawberry	Egypt	76647	Boscalid	0.14	10	
				Bupirimate	0.021	1	
				Cyprodinil	0.075	5	
				Fludioxonil	0.05	3	
				Iprodione	0.22	15	
				Pyraclostrobin	0.06	1	
			76648	None Detected Above Loq	0	0	
			76649	Carbendazim	0.49	0.1	Breach
				Methoxyfenozide	0.031	2	
				Thiophanate-Methyl	0.072	0.1	
			76663	Myclobutanyl	0.041	1	
			76664	Boscalid	0.1	10	
				Iprodione	0.055	15	
				Pyraclostrobin	0.043	1	
			76673	None Detected Above Loq	0	0	
			76679	None Detected Above Loq	0	0	
			76700	Boscalid	0.027	10	
				Cyprodinil	0.011	5	
			76741	Boscalid	0.054	10	
				Cyprodinil	0.047	5	
				Fludioxonil	0.082	3	
				Iprodione	0.039	15	
				Pyraclostrobin	0.019	1	
			76779	Boscalid	0.22	10	
				Cyprodinil	0.014	5	
				Fenhexamid	0.46	5	
				Fludioxonil	0.045	3	
				Iprodione	1.38	15	
				Pyraclostrobin	0.073	1	
			76796	None Detected Above Loq	0	0	
			77795	Captan	0.053	3	
			77802	None Detected Above Loq	0	0	
			77803	Cyprodinil	0.02	5	
				Fludioxonil	0.017	3	
				Iprodione	1.08	15	
			77804	Boscalid	0.026	10	
				Pyraclostrobin	0.014	1.5	
			77807	Cyprodinil	0.012	5	
				Fludioxonil	0.021	3	
				Iprodione	0.79	15	
			77814	None Detected Above Loq	0	0	
			77822	Fludioxonil	0.068	3	
			77823	Boscalid	0.17	10	
				Pyraclostrobin	0.061	1.5	

9.5**ANNEX V 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
g day ⁻¹	gram per day
IUNA	Irish Universities Nutrition Alliance
LOQ	Limit of Quantitation
mg kg ⁻¹	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

9.6

ANNEX VI

Glossary of terms

Acceptable (ADI)	Daily 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 (ARfD)	Reference 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 (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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