

2014

PESTICIDES RESIDUES IN FOOD



Department of
**Agriculture,
Food and the Marine**
An Roinn
**Talmhaíochta,
Bia agus Mara**

www.agriculture.gov.ie

Department of Agriculture, Food and the Marine

Report of the National Pesticide Residues Control Programme

2014



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1. SUMMARY REPORT

This report on the National Pesticide Residues Control Programme, carried out in 2014 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 2014 planned for the analysis of 1,453 consignments of fruit, vegetables, cereal, animal products and baby foods for up to 405 pesticide and 7 PCB marker compounds to check for compliance with EU and national legislation for plant protection and veterinary products. The programme consisted of 2 strategies: a *surveillance strategy* consisting of the random sampling of food commodities; and an *enforcement strategy* involving the sampling of food commodities from specific sources where non-compliance with pesticide legislation was suspected or had been detected previously.

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

The 1,461 samples taken in 2014 exceeded the planned number. The samples, comprising of 806 fruits and vegetables, 99 cereals, 418 foods of animal origin, 20 infant formulae and 118 enforcement samples, were taken and analysed for pesticide and chemical residues at the Pesticide Control Laboratory in Backweston, County Kildare. The laboratory has continued to maintain and extend its accreditation status with the Irish National Accreditation Board.

Overall results show that no residues were detected in 51.2% of the 1,461 samples taken, another 46.7% of samples contained residues at levels which were in compliance with the EU legislation and 2.1% (31 samples) contained residues exceeding the MRLs.

A fifth of the fruit and vegetable samples analysed were of domestic origin and the rest were imported from the EU and elsewhere. No residues were detected in 32.1% of the fruit and vegetables samples taken randomly, 65.3% of samples contained residues at levels which were in compliance with the EU legislation. The remaining 2.6% contained residues exceeding the MRLs.

In the case of the cereal samples, over half (56%) taken were of domestic origin. No residues were detected in 29.3% of the samples; 67.7% of the cereal samples had residues in compliance with EU legislation and 3% exceeded the MRLs.

Most of the food of animal origin samples originated domestically (99%) and 5% of the samples had detectable residues, none of which exceeded the MRLs.

All of the infant formula samples were produced in Ireland with no pesticide residue detected.

Over a hundred consignments (106) were taken under EU Regulations dealing with increased inspection of targeted food commodities from certain countries. Of these, five exceeded the MRLs and risk assessments were carried out. Three consignments: okra from India, beans with pods from Kenya and peas with pods from Kenya were destroyed. A consignment of oranges from Egypt was redespached to the country of origin and the fifth consignment was released into the market.

In all cases where non-compliant residues are detected, consumer risk assessments, based on the residue level found and national food consumption data are carried out to estimate the risk to consumers and to guide the follow-up action to be taken. In 2014, no breach was found to have an unacceptable risk to the consumers.

All breaches involving produce of domestic origin were investigated to establish the reasons for the breaches and for appropriate follow-up. In addition, all produce with MRL breaches, both domestic and imported, were listed for targeted sampling as part of the follow-up enforcement strategy. Twelve such targeted samples were identified and taken in 2014 and all were found to be in compliance.

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 establish certain MRLs for food intended for babies and young infants.

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

Where an MRL is exceeded, a dietary intake calculation is carried out to determine if the residue presents a risk to 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 2014'* provides details of the results obtained during 2014 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.



Figure 1: Department of Agriculture officer tagging and bagging fruit samples for routine monitoring and analysis.



Figure 2: Pesticide Control Laboratory with liquid chromatographic systems for sample routine monitoring and analysis.

3 PLANNING THE PROGRAMME

The national pesticide residue control programme for pesticide residues is undertaken by the PCD (Pesticide Control Division) with laboratory support provided by the Pesticide Control Laboratory (PCL) of the Department of Agriculture, Food and Marine. The programme implements the requirements of Regulation (EC) No. 396/2005, and takes into account the requirements set out in the EU “*coordinated multi-annual Community control programme for 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 405 pesticides and the 7 PCB congeners.

The planned number of samples (1,453) for the 2014 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 (EC) No 481/2013 OJ No L 139/5. Implementing Regulation (EU) No 788/2012 was modified to account for Croatia participating in this programme for the first time

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 2014 monitoring plan

Food Class	Number	Food commodities
Fruits		
Citrus	100	Grapefruit, Oranges, Lemons, Lime and Mandarin (hybrids)
Pome	75	Apples and Pears
Stone fruit	35	Apricots, Cherries, Peaches/ Nectarines and Plums
Berries	85	Table grapes, Strawberries, Blackberries, Raspberries, Blueberries, Cranberries and Currants
Miscellaneous	80	Figs, Kiwi, Lychee, Passion fruit, Avocado, Bananas, Pineapples, Mango and Pomegranate
Vegetables		
Root & tuber	85	Potatoes, Carrot, Parsnips, Turnips/ Swedes, Radish, Sweet Potatoes and Yam
Bulb	10	Onions, Garlic, Shallots, Spring onions
Fruiting	70	Tomatoes, Peppers, Aubergines, Courgettes, Cucumbers, Melons, Watermelons, Squash and Marrow
Brassica	50	Broccoli, Cauliflower, Brussels sprouts, Head cabbage, Chinese cabbage and Kale
Leafy	65	Lettuce, Spinach, Other leafy veg - Scarole, Endive and Herbs
Legume	40	Beans + pods, Beans w/o pods, Peas + pods and Peas w/o pods
Stem	20	Celery, Leeks, Asparagus, Artichoke and Rhubarb
Oilseeds	10	Olive and Rapeseed
Fungi	15	Cultivated Mushrooms
Processed	60	Orange juice, Wine, Apple juice, Other juices and Tinned fruit and vegetables
Cereals	100	Barley, Oats, Rice and Wheat
Food of animal origin	413	Kidney fat- Bovine, Ovine, Porcine, Poultry, Equine, Farm game , Eggs, Milk, Honey, Liver and Meat
Food for babies	40	Infant formula
Enforcement	20	Targeted follow up to breaches and invalid uses in 2013
Import control	80	Targeted under Regulation (EC) No. 669/2009
Total	1453	

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.



Figure 3: Grain samples scheduled for analysis within the Pesticide Control Laboratory.

Authorised officers from the Pesticide Control Division (PCD) carry out the sampling of food of plant origin and cereals in accordance with the 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

⁴ Commission Directive 2002/63(EC)

constitute a laboratory sample. The samples are labelled with unique sample identity numbers, sealed and brought to the laboratory for analysis.

4.2 Food of animal origin

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

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

The planned number for food of animal origin was decided in conjunction with the Veterinary Medicine Unit of DAFM, as part of the National Residue Plan required under Directive 96/23/EC⁵. Other types of food of animal produce such as liver and poultry meat were sampled at retail outlets to meet the requirements of the EU multiannual control programme for 2014.

4.3 Infant formula

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



Figure 4: Feeding time with baby infant formula.

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 5: View of the main laboratory complex at Backweston.

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



Figure 6: Chopped laboratory sample prior to storage or chemical extraction.



Figure 7: Frozen laboratory samples.

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



Figure 8: Material following chemical extraction, ready for clean-up steps.

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



Figure 9: Glass vials containing samples for automated injection onto analytical equipment.



Figure 10: Sample chromatograms being compared with pesticide standards.

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

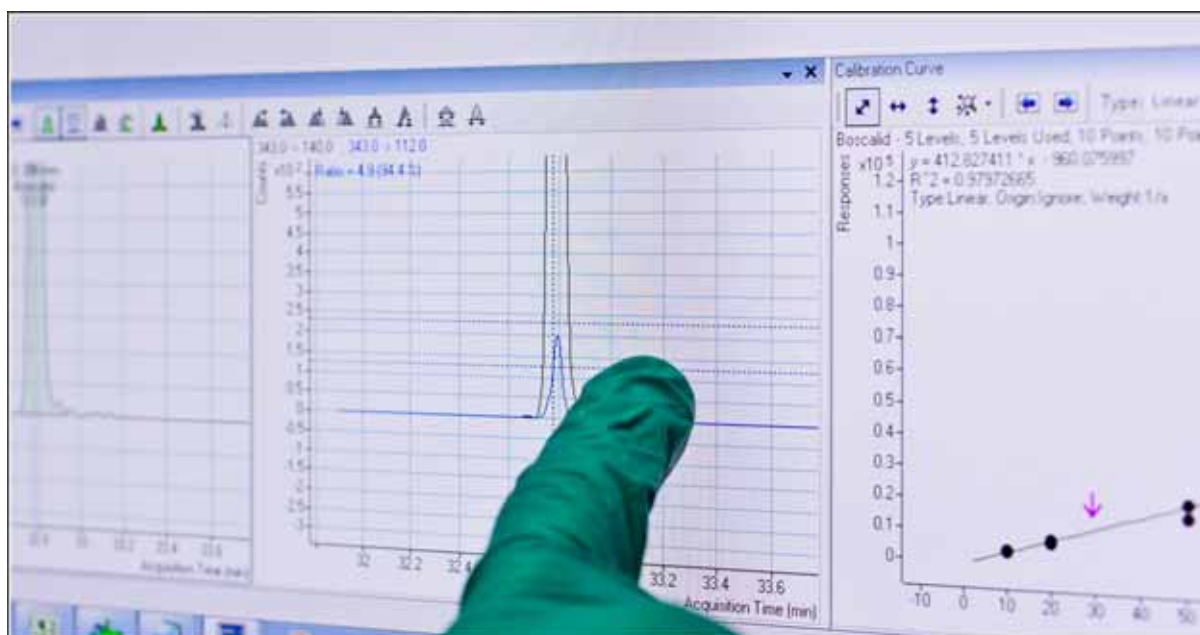


Figure 11: Residue identification and quantitation.

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



Figure 12: Results are recorded for each sample.

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 409 pesticides analysed for in 2014 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 2014, 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.

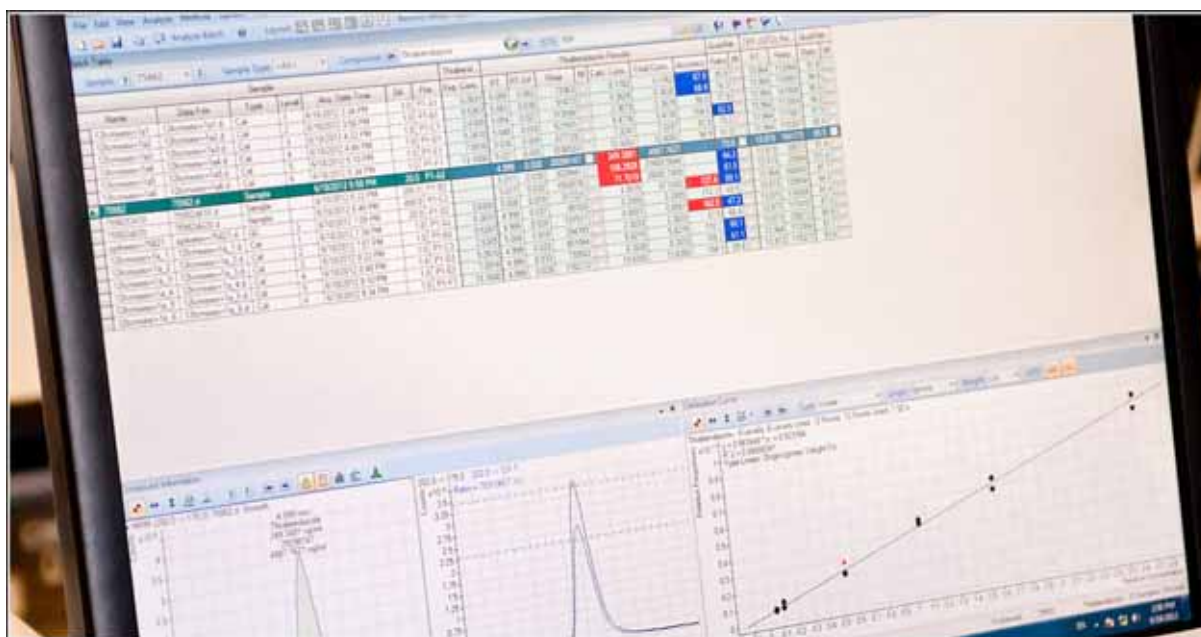


Figure 13: Quality control protocols in pesticide residues.

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. 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 **1,461** samples were taken for analysis under two different types of sampling –

- **1,343** samples were selected under the surveillance strategy

- **118** 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 2014 programme was exceeded by 0.6%.

Table 2: Number of samples planned and achieved in the 2014 control programme

Categories	Planned		Achieved	
	Raw	Processed	Raw	Processed
Surveillance -				
Citrus fruits	100	10	100	19
Pome fruits	75		75	12
Stone fruits	35		35	5
Berries/Small fruits	85	10	84	15
Miscellaneous fruits	80		85	7
Root/ tuber vegetables	85		85	0
Bulb vegetables	10		10	0
Fruiting vegetables	70		75	2
Brassica vegetables	50		51	0
Leafy vegetables	65		65	0
Legume vegetables	40		34	0
Stem vegetables	20		20	0
Oilseed	0	10	0	9
Fungi	15		15	0
Spice	0		3	0
Other processed	0	40	0	0
Cereals	85	15	84	15
Animal origin	413	0	418	0
Baby foods	0	20	0	20
Enforcement –				
Regulation 396/2005	20		12	0
Regulation 669/2009	80		106	0
Total – raw and processed		1453		1461

The following tables (3 to 20) provide summary details of all the samples taken in 2014 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	3	10	1	0	1	11	2
Grapefruit Juice	2	2	0	0	0	2	2
Pomelo	0	1	0	0	0	1	0
Orange	3	19	1	0	11	12	0
Orange Juice	9	1	0	0	0	1	9
Lemon	0	7	0	0	4	3	0
Limes	0	6	0	0	0	6	0
Mandarin	1	8	0	0	2	5	2
Clementine	0	33	1	0	20	14	0
Minneola	0	1	0	0	0	1	0
Satsuma	0	10	0	0	1	9	0
Total	18	98	3	0	39	65	15

Citrus fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 119 citrus samples were analysed 15.1% had no residues detected above the LOQ 82.4% had residues detected above the LOQ and below the MRL 2.5% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> No citrus fruit of Irish origin were sampled 32.8% were from other EU countries and 54.6% from outside the EU The origin of the raw products could not be confirmed for 12.6% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Imazalil was detected in 83% 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 grapefruit sample from Turkey and a mandarin sample from Turkey.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Chlorfenapyr in a grapefruit sample from South Africa at 0.016 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Dicofol in a clementine sample from Morocco at 0.024 mg kg⁻¹, The MRL is 0.02 mg kg⁻¹ Methidathion in an orange sample from South Africa at 0.031 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 19 samples (juiced or tinned)
Labelled organic	<ul style="list-style-type: none"> 3 samples - all with no residue detected above the LOQ.

Table 4: Summary results of pome fruit samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Apple	4	39	1	0	26	18	0
Apple Juice	7	2	0	0	2	1	6
Apples Cooking	2	3	0	4	1	0	0
Pear	4	24	0	0	17	10	1
Pear Juice	1	0	0	0	0	0	1
Total	18	68	1	4	46	29	8

Pome fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 87 pome fruit samples were analysed 20.7% had no residues detected above the LOQ 78.2% had residues detected above the LOQ and below the MRL 1.1% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 4.6% of pome fruit samples were of Irish origin 52.9% were from other EU countries and 33.3% from outside the EU. The origin could not be confirmed for 9.2% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Fludioxonil and Pyraclostrobin was detected in 20.7% of the pome fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 12 different pesticides were found in a pear sample from Portugal.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Fenitrothion in an apple sample from Brazil at 0.017 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 12 samples (mostly juiced)
Labelled organic	<ul style="list-style-type: none"> 1 pear sample 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	2	0	0	2	0	0
Cherry	2	2	0	2	1	1	0
Nectarine	0	7	1	0	4	4	0
Peach	4	9	0	0	9	2	2
Plum	4	8	0	0	3	8	1
Prune	1	0	0	0	0	0	1
Total	11	28	1	2	19	15	4

Stone fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 40 stone fruit samples were analysed 27.5% had no residues detected above the LOQ 70.0% has residues detected above the LOQ and below the MRL 2.5% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 5.0% of stone fruit samples were of Irish origin 47.5% were from other EU countries and 37.5% from outside the EU The origin of the raw products could not be confirmed for 10.0% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Iprodione was detected in 45% of the stone fruit samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 5 different pesticides were found in a nectarine sample from Spain.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Chlorfenapyr in a nectarine sample from South Africa at 0.04 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 5 samples (tinned)
Labelled organic	<ul style="list-style-type: none"> No samples

Table 6: Summary results of small berries and fruit samples

Commodity	Residues Detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Table Grape	1	27	0	0	4	24	0
Wine	4	6	0	0	2	8	0
Strawberry	1	26	0	16	8	2	1
Blackberry	0	4	1	1	2	2	0
Blueberry	11	4	0	1	8	6	0
Raspberry	7	3	0	0	6	3	1
Blueberry Juice	1	0	0	0	0	0	1
Cranberry Juice	1	0	0	0	0	0	1
Gooseberry	0	2	0	2	0	0	0
Total	26	72	1	20	30	45	4

Berries and small fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 99 berries and small fruit samples were analysed 26.3% had no residues detected above the LOQ 72.7% had residues detected above the LOQ and below the MRL 1.0% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 20.2% of berries and small fruit samples were of Irish origin 30.3% were from other EU countries and 45.5% from outside the EU The origin of the raw products could not be confirmed for 4.0% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Fenhexamid was detected in 24% 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 table grape sample from India and a strawberry sample from Belgium
Pesticide residues above the MRL	<ul style="list-style-type: none"> Chlorothalonil in a blackberry sample from Guatemala at 0.12 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 15 samples including 10 wine samples
Labelled organic	<ul style="list-style-type: none"> 2 blueberry samples with no residue detected above the LOQ

Table 7: Summary results of miscellaneous fruit samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Figs	3	0	0	0	0	3	0
Sharon fruit	2	0	0	0	0	2	0
Kiwi	6	9	0	0	10	5	0
Passion Fruit	2	3	1	0	0	6	0
Granadilla Passion fruit	0	0	1	0	0	1	0
Avocados	7	3	0	0	1	9	0
Banana	3	9	0	0	0	12	0
Mangoes	4	19	0	0	0	22	1
Papaya	0	3	2	0	0	5	0
Tamarillo	0	0	1	0	0	1	0
Pomegranate	0	4	2	0	1	5	0
Pineapples	3	2	0	0	0	3	2
Pineapple Juice	3	0	0	0	0	0	3
Total	33	52	7	0	12	74	6

Miscellaneous fruit samples with pesticide residues detected	<ul style="list-style-type: none"> 92 miscellaneous fruit samples were analysed 35.9% had no residues detected above the LOQ 56.5% had residues detected above the LOQ and below the MRL 7.6% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> No miscellaneous fruit of Irish origin were sampled 13.0% were from other EU countries and 80.4% from outside the EU The origin could not be confirmed for 6.5% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Thiabendazole were detected in 24% 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"> Chlorfenapyr in a granadilla sample from Colombia at 0.029 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. The same sample also contained Boscalid at 0.061 mg kg⁻¹ and Iprodione at 0.078 mg kg⁻¹. The MRLs are 0.05 mg kg⁻¹ and 0.02 mg kg⁻¹ respectively Lambda Cyhalothrin in a passion fruit sample from Colombia at 0.037 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹ Myclobutanil in a papaya sample from Ecuador at 0.037 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹ Propiconazole in a papaya sample from Ecuador at 0.12 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹ Chlorothalonil in a tamarillo sample from Colombia at 0.014 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. The same sample also contained Fluopicolide at 0.023 mg kg⁻¹ and Lambda Cyhalothrin at 0.035 mg kg⁻¹. The MRL for both these substances is 0.01 mg kg⁻¹ Fenpropathrin in a pomegranate sample from Egypt at 0.017 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Famoxadone in a pomegranate sample from India at 0.047 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹

Processed	<ul style="list-style-type: none"> 7 samples
Labelled organic	<ul style="list-style-type: none"> 5 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	16	14	0	26	3	1	0
Sweet Potatoes	3	4	0	0	0	7	0
Beetroot	2	0	0	1	1	0	0
Carrots	7	16	1	10	12	2	0
Horseradish	0	1	0	0	1	0	0
Parsnips	1	7	0	5	3	0	0
Radishes	2	2	0	0	4	0	0
Swedes	7	0	0	7	0	0	0
Turnips	1	1	0	1	1	0	0
Total	39	45	1	50	25	10	0

Root and tuber vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 85 root and tuber samples were analysed 45.9% had no residues detected above the LOQ and 52.9% had residues detected above the LOQ and below the MRL 1.2% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 58.8% of root and tuber samples were of Irish origin 29.4% were from other EU countries and 11.8% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Boscalid was detected in 10.6% of root and tuber samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 5 different pesticides were found in a parsnip sample from Ireland
Pesticide residues above the MRL	<ul style="list-style-type: none"> Metalaxyl in a carrot sample from Spain at 0.12 mg kg⁻¹. The MRL is 0.1 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 2 samples

Table 9: Summary results of bulb vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Garlic	1	0	0	0	1	0	0
Onions	6	0	0	0	5	1	0
Spring Onions	2	1	0	0	0	3	0
Total	9	1	0	0	6	4	0

Bulb vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 10 bulb vegetable samples were analysed 90.0% had no residues detected above the LOQ 10.0% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 0.0% of bulb vegetable samples were of Irish origin 60.0% were from other EU countries and 40.0% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Azoxystrobin and Spinosad were detected in 1 spring onion sample
Maximum number of multiple residues	<ul style="list-style-type: none"> No more than 2 pesticides were found in a spring onion sample
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	6	10	0	4	12	0	0
Tomato juice	1	0	0	0	0	0	1
Pepper	1	12	0	0	13	0	0
Chilli pepper	1	0	0	0	1	0	0
Aubergines	0	10	0	0	10	0	0
Cucumbers	5	10	0	6	9	0	0
Courgettes	3	7	0	2	8	0	0
Melons	0	3	0	0	1	2	0
Watermelons	1	0	0	0	1	0	0
Summer Squash	1	1	1	0	1	2	0
Winter Squash	1	0	0	0	0	1	0
Sweet Corn	3	0	0	0	2	1	0
Total	23	53	1	12	58	6	1

Fruiting vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 77 fruiting vegetable samples were analysed 29.9% had no residues detected above the LOQ and 68.8% had residues detected above the LOQ and below the MRL 1.3% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 15.6% of fruiting vegetable samples were of Irish origin 75.3% were from other EU countries and 7.8% from outside the EU The origin could not be confirmed for 1.3% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> Flutriafol was detected in 16.9% of the fruiting vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 9 different pesticides were found in a tomato sample from Spain.
Pesticide residues above the MRL	Chlorothalonil in a summer squash sample from Honduras at 0.25 mg kg ⁻¹ . The MRL is 0.01 mg kg ⁻¹
Processed	<ul style="list-style-type: none"> 2 samples
Labelled organic	<ul style="list-style-type: none"> 3 samples with no residue detected above the LOQ

Table 11: Summary results of brassica vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Broccoli	6	4	0	3	6	1	0
Cauliflower	7	2	0	7	2	0	0
Brussels Sprouts	2	3	0	5	0	0	0
Head Cabbage	10	6	1	12	5	0	0
Chinese Cabbage	3	3	0	0	5	1	0
Kale	1	2	1	3	1	0	0
Total	29	20	2	30	19	2	0

Brassica vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 51 brassica vegetable samples were analysed 56.9% had no residues detected above the LOQ 39.2% had residues detected above the LOQ and below the MRL 3.9% has residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 58.8% of brassica vegetable samples were of Irish origin 37.3% were from other EU countries and 3.9% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Difenoconazole was detected in 17.6% of the brassica vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 10 different pesticides were found in a Brussels sprout sample from Ireland.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Flupicolide in a head cabbage sample from Ireland at 0.4 mg kg⁻¹. The MRL is 0.2 mg kg⁻¹ Chlorothalonil in a kale sample from Ireland at 0.033 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 2 samples - 1 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
Endive	0	2	0	1	1	0	0
Lettuce	10	24	0	15	19	0	0
Mizuna	0	1	0	0	1	0	0
Rocket	1	4	0	1	4	0	0
Scarole	0	1	0	0	1	0	0
Red mustard	1	0	0	0	1	0	0
Spinach	4	11	0	1	14	0	0
Water Cress	0	1	0	0	1	0	0
Chard	0	1	0	0	1	0	0
Coriander leaves	0	0	1	0	1	0	0
Tarragon	0	1	0	0	0	1	0
Parsley	0	1	0	1	0	0	0
Lemongrass	1	0	0	0	0	1	0
Total	17	47	1	19	44	2	0

Leafy vegetable and herb samples with pesticide residues detected	<ul style="list-style-type: none"> 65 leafy vegetable and herb samples were analysed 26.2% had no residue detected above the LOQ 72.3% had residues detected above the LOQ and below the MRL 1.5% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 29.2% of leafy vegetable and herb samples were of Irish origin 67.7% were from other EU countries and 3.1% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Boscalid was detected in 24.6% of the leafy vegetable and herb samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 8 different pesticides were found in a lettuce sample from Spain
Pesticide residues above the MRL	<ul style="list-style-type: none"> Lenacil in a coriander leaves sample from Spain at 0.21 mg kg⁻¹. The MRL is 0.1 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 5 organic samples with no residue detected above the LOQ for 3 samples and Spinosad in 2 spinach samples which is permitted for use in organic farming

Table 13: Summary results of legume vegetable samples

Commodity	Residues detected			Origin			
	<LOQ	<MRL	>MRL	Ireland	EU	TC	Unknown
Beans With Pods ¹	7	7	0	3	3	6	2
Beans Without Pods	0	1	0	0	1	0	0
Peas With Pods ¹	0	4	2	0	1	5	0
Peas Without Pod	6	7	0	1	6	0	6
Total	13	19	2	4	11	11	8

¹ includes French and green beans ² includes green and sugar p

Legume vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 34 legume vegetable samples were analysed 38.2% had no residue detected above the LOQ 55.9% had residues detected above the LOQ and below the MRL 5.9% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 11.8% legume vegetables of Irish origin were sampled 32.4% were from other EU countries and 32.4% from outside the EU The origin could not be confirmed for 23.5% of the samples
Most frequently detected pesticide	<ul style="list-style-type: none"> Boscalid was detected in 23.5% of legume vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 6 different pesticides, with 2 of these exceeding the MRLs, were found in a sample of peas with pods from Peru.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Permethrin in a sample of peas with pods from Peru at 0.092 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹. The same sample also contained Fenhexamid at 0.12 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹ Oxamyl in a sample of peas with pods from South Africa at 0.046 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. The same sample also contained Permethrin at 0.11 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
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	5	0	0	0	2	3	0
Celery	1	6	0	0	7	0	0
Leek	1	4	0	1	4	0	0
Florence Fennel	2	1	0	0	3	0	0
Total	9	11	0	1	16	3	0

Stem vegetable samples with pesticide residues detected	<ul style="list-style-type: none"> 20 stem vegetable samples were analysed 45.0% had no residues detected above the LOQ 55.0% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> 5.0% of stem vegetable samples were of Irish origin 80.0% were from other EU countries and 15.0% from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Imidacloprid was detected in 25% of the stem vegetable samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 4 different pesticides were found in 2 celery samples from Spain
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"> 3 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
Cultivated mushroom	8	6	1	14	0	1	0
Ginger	2	1	0	0	0	3	0
Olive oil	3	1	0	0	3	0	1
Hempseed oil	0	1	0	0	1	0	0
Linseed oil	1	0	0	0	1	0	0
Peanut oil	0	1	0	0	0	0	1
Rapeseed oil	0	2	0	2	0	0	0
Total	14	12	1	16	5	4	2

Fungi, oilseed and spice samples with pesticide residues detected	<ul style="list-style-type: none"> • 27 mushroom, oilseed and spice samples were analysed • 51.9% had no residues detected above the LOQ • 44.4% had residues detected above the LOQ and below the MRL • 3.7% had residues exceeding the MRL
Origin of samples	<ul style="list-style-type: none"> • 59.3% of fungi, oilseed and spice samples were of Irish origin • 18.5% were from other EU countries and 14.8% from outside the EU • The origin could not be confirmed for 7.4% due to the processed nature of the product sampled
Most frequently detected pesticide	<ul style="list-style-type: none"> • Mepiquat was detected in 20% of the mushroom samples analysed
Maximum number of multiple residues	<ul style="list-style-type: none"> • Up to 3 different pesticides were found in a mushroom sample from Ireland with one pesticide exceeding the MRL
Pesticide residues above the MRL	<ul style="list-style-type: none"> • Mepiquat in a mushroom sample from the Ireland at 0.065 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹
Processed	<ul style="list-style-type: none"> • All 9 oil fruit and oilseed samples
Labelled organic	<ul style="list-style-type: none"> • 2 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	7	9	0	16	0	0	0
Oats	0	15	0	15	0	0	0
Rice	3	13	3	0	1	5	13
Wheat	14	20	0	17	17	0	0
Wheat flour	5	10	0	7	6	0	2
Total	29	67	3	55	24	5	15

Cereal samples with pesticide residues detected	<ul style="list-style-type: none"> 99 cereal samples were analysed 29.3% had no residue detected above the LOQ 67.7% had residues detected above the LOQ and below the MRL 3% with residues above the MRL
Origin of samples	<ul style="list-style-type: none"> 55.5% of cereal samples were of Irish origin 24.2% were from other EU countries and 5.1% from outside the EU The origin could not be confirmed for 15.2% of the samples
Most frequently detected pesticide	<ul style="list-style-type: none"> Deltamethrin detected in 15% of all cereal samples analysed Chlormequat was detected in 39% of the 54 cereal samples analysed specifically for the chlormequat type pesticides
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 8 different pesticides, with 3 of these exceeding the MRLs, were found in a rice sample from India
Pesticide residues above the MRL	<ul style="list-style-type: none"> Triazophos in a rice sample from India at 0.055 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹ Triazophos in a rice sample from India at 0.038 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹ Acephate in a rice sample from India at 0.1 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. The same sample also contained Carbendazim at 0.02 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. It also contained Methamidophos at 0.031 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹
Processed	<ul style="list-style-type: none"> 15 wheat flour samples
Labelled organic	<ul style="list-style-type: none"> 2 wheat flour 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	117	7	0	124	0	0	0
Cervine Kidney Fat	11	1	0	12	0	0	0
Equine Kidney Fat	6	2	0	8	0	0	0
Ovine Kidney Fat	77	7	0	84	0	0	0
Porcine Kidney Fat	55	0	0	55	0	0	0
Poultry Kidney Fat	19	5	0	24	0	0	0
Milk	59	0	0	59	0	0	0
Chicken Egg	10	0	0	10	0	0	0
Honey	12	0	0	10	0	0	2
Meat (Poultry)	15	0	0	13	1	0	1
Liver	15			13	2	0	0
Total	396	22	0	412	3	0	3

>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"> • 418 food of animal origin samples were analysed • 94.7% had no residue detected above the LOQ • 5.3% had residues detected above the LOQ and below the MRL
Origin of samples	<ul style="list-style-type: none"> • 98.6% of the food of animal origin samples were of Irish origin • 1.4% were from other EU countries or of unknown origin
Most frequently detected pesticide	<ul style="list-style-type: none"> • 2-Phenylphenol was detected in 6 of the food of animal origin samples
Maximum number of multiple residues	<ul style="list-style-type: none"> • No more than 1 pesticide was found in each of the 22 samples with residues
Pesticide residues above the MRL	<ul style="list-style-type: none"> • There was no MRL exceedance
Processed	<ul style="list-style-type: none"> • No samples
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	20	0	0	20	0	0	0

Baby food samples with pesticide residues detected	<ul style="list-style-type: none"> 20 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 20 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
Grapefruit	0	1	0	0	0	1	0
Orange	0	0	2*	0	0	2	0
Orange juice	0	1	0	0	0	1	0
Table grape	0	3	0	0	0	3	0
Strawberry	0	1	0	1	0	0	0
Head Cabbage	1	0	0	1	0	0	0
Potato	1	0	0	1	0	0	0
Parsnips	0	1	0	1	0	0	0
Turnip	1	0	0	1	0	0	0
Total	3	7	2	5	0	7	0

Enforcement samples with pesticide residues detected	<ul style="list-style-type: none"> 12 enforcement samples were analysed 25.0% had no residue detected above the LOQ 58.3% had residues detected above the LOQ and below the MRL 16.7% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 41.7% of enforcement samples were of Irish origin 58.3% were from outside the EU
Most frequently detected pesticide	<ul style="list-style-type: none"> Not relevant due to diverse range of commodities
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 6 different pesticides were found in a strawberry sample from Ireland and in a table grape sample from South Africa
Pesticide residues above the MRL	<ul style="list-style-type: none"> Imazalil in an orange sample from Egypt at 9.6 mg kg⁻¹. The MRL is 5 mg kg⁻¹. This was taken as a follow up to a RASFF Imazalil in an orange sample from Egypt at 5.5 mg kg⁻¹. The MRL is 5 mg kg⁻¹.
Processed	<ul style="list-style-type: none"> 1 sample
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
Orange	0	11	1	0	0	12	0
Table grape	0	3	0		0	3	0
Strawberry	11	5	0	0	0	16	0
Pepper	2	0	0	0	0	2	0
Okra	4	2	1	0	0	7	0
Beans With Pods	19	18	2	0	0	39	0
Peas With Pod	4	21	1	0	0	26	0
Green tea	1	0	0	0	0	1	0
Total	41	60	5	0	0	106	0

BIP samples with pesticide residues detected	<ul style="list-style-type: none"> 106 samples from BIP consignments were analysed 38.7% had no residues detected above the LOQ 56.6% had residues greater than the LOQ and below the MRL 4.7% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 100% of samples were from outside the EU – China, Egypt, India, Kenya, Peru and Turkey as listed in Regulation (EC) No. 669/2009
Most frequently detected pesticide	<ul style="list-style-type: none"> Azoxystrobin detected in 15.1% of BIP samples
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 6 different pesticides, with 3 of these exceeding the MRLs, were found in a pea with pods sample from Kenya and in an orange sample from Egypt.
Pesticide residues above the MRL	<ul style="list-style-type: none"> Acephate in beans with pods samples from Kenya at 0.027 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹. The same sample also contained Methamidophos at 0.015 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Acephate in beans with pods samples from Kenya at 0.014 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Dimethoate in peas with pods sample from Kenya at 0.024 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹. The same sample also contained Omethoate at 0.027 mg kg⁻¹. The MRL is 0.02 mg kg⁻¹. This is added to Dimethoate to give a total residue of 0.051 mg kg⁻¹. It also contained Profenophos at 0.02 mg kg⁻¹. The MRL is 0.01 mg kg⁻¹ Permethrin in okra from India with residue at 0.2 mg kg⁻¹. The MRL is 0.05 mg kg⁻¹ Imazalil in an orange sample from Egypt at 8.1 mg kg⁻¹. The MRL is 5 mg kg⁻¹
Processed	<ul style="list-style-type: none"> No samples
Labelled organic	<ul style="list-style-type: none"> 1 tea sample

6.2 Key findings of fruit and vegetable results

In the 2014 programme a total of 806 samples were analysed using the surveillance or random sampling strategy. When compared to previous years (2011-2013), the number of samples with breaches (2.6%) is up from 2013 (1.8%) and 2012 (1.2%) and down from 3.3% in 2011. The majority of the breaches occur in samples from third countries with different regulations controlling the use of pesticides and where application for higher import MRLs or import tolerances in the EU have yet to be applied for or not granted.

The number of fruit and vegetable samples with detectable residues above the LOQ has increased slightly (2011 to 2013) and has reached a plateau in 2014 - 65% in 2011, 67% in 2012, 70% in 2013 and 68% in 2014. The number of pesticides being detected has remained relatively constant even with new pesticides added to the analytical methods annually.

As in the previous 3 years, **Imazalil** which is mainly used to prevent decay of citrus during storage and transportation was the most commonly detected pesticide in the fruit and vegetables samples during 2014 using the multi residue methods. The highest detection rate of 24.6% occurred for the **Dithiocarbamates** which are analysed by a single residue method covering a group of pesticides such as maneb, metiram, propineb, zineb and mancozeb. These were detected in 44 out of 179 fruit and vegetables samples analysed with this method for carbon disulphide, a breakdown product of the dithiocarbamates.

Table 21 gives a summary of the findings of the fruit and vegetables analysed in 2014, 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"> 806 fruit and vegetable surveillance samples were analysed 32.1% had no residues detected above the LOQ 65.3% had residues detected above the LOQ and below the MRL 2.6% had residues detected above the MRL
Origin of samples	<ul style="list-style-type: none"> 19.6% of fruit and vegetable samples were of Irish origin 40.9% were from EU countries and 33.5% from outside the EU The origin could not be confirmed for 6.0% due to the processed nature of the product sampled
Most frequently detected pesticides	<ul style="list-style-type: none"> Detection rates in all fruit and vegetables Imazalil 17%, Thiabendazole 11%, Boscalid 10%; Fludioxonil 9%, Chlorpyrifos 9%, Pyrimethanil 8%, Azoxystrobin 8%, Iprodione 7%, Imidacloprid 7%, and Cyprodinil 5% Detection rates in selected fruit and vegetables using single methods Dithiocarbamates 25%, Chlormequat 21%, Glyphosate 11% and Mepiquat 3%
Maximum number of multiple residues	<ul style="list-style-type: none"> Up to 12 different pesticides were found in a table grape sample from India, a pear sample from Portugal and a strawberry sample from Belgium.
Pesticide residues	<ul style="list-style-type: none"> 21 samples exceeded the MRL. Details are in chapter 7 of this report

above the MRL	
Processed	• 68 samples
Labelled organic	• 28 samples

6.3 Key findings of the cereal sample results

Pesticide residues were found in 70 (70%) of the 99 cereal samples that were taken in the surveillance programme. This is a higher frequency than that found in previous years—2011 (54%); 2012 (55%) and 2013 (65%). This is possibly due to the increased use of the single residue methods being used to analyse the cereal samples.

Chlormequat, authorised as a growth regulator, was the most frequently detected pesticide and was detected in 21 out of 54 cereal samples specifically analysed for chlormequat and other “quat” compounds. **Glyphosate** was detected in 10 out of 54 samples analysed using the selective method for that compound. Over half (56%) 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: - 2.8% in 2011; 6% in 2012, 5% in 2013 and 5% in 2014 despite an increase in the analytical scope and the increased in sensitivity of the methods used for these samples.

2-Phenyl phenol was the most commonly detected pesticide in 6 of the 418 the food of animal origin samples followed by a metabolite of **DDT** a persistent organic pollutant (POP) in 5 samples. The use of citrus pulp in animal feeds may account for the presence of 2-phenyl phenol in these food of animal origin samples as this pesticide is commonly used as a post harvest fungicide on citrus. Over 98% of the food of animal origin samples taken were of domestic origin.

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 2014.

7 MRL BREACHES

7.1 Types of breaches

Thirty one (2.1%) of the 1461 samples taken in 2014 were found to contain residues above the Maximum Residue Levels set in Regulation (EC) 396/2005. These breaches all related to fruit and vegetables and cereal samples from both the surveillance and enforcement sampling strategies.

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 sampling programmes. As expected, the highest rate of MRL breaches occurred with the samples taken in a targeted manner on samples with known history of non-compliances.

Table 22: Summary of all food types with residues and MRL breaches in 2014.

Sampling programmes	Food types	Numbers	< LOQ		<MRL		> MRL	
Surveillance	Fruit Veg	806	259	32.1%	526	65.3%	21	2.6%
Surveillance	Cereal	99	29	29.3%	67	67.7%	3	3.0%
Surveillance	Animal origin	418	396	94.7%	22	5.3%	0	0.0%
Surveillance	Baby food	20	20	100.0%	0	0.0%	0	0%
Enforcement	Fruit Veg	12	3	25%	7	58.3%	2	16.7%
BIP Enforcement	Fruit Veg	106	41	38.7%	60	56.6%	5	4.7%
Total		1461	748	51.2%	682	46.7%	31	2.1%

Table 23 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 95% confidence 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.

Table 23: Details of the MRL breaches in 2014

Source		Commodity	Sample no	Pesticide	MRL	Residue
Surveillance						
IE	Ireland	Cabbage	850192	Fluopicolide	0.2	0.4
		Kale	850475	Chlorothalonil	0.01*	0.033 ^{mu}
		Mushroom	850723	Mepiquat	0.05*	0.062
EU	Spain	Carrot	77898	Metalaxyl	0.1	0.12
		Coriander	850233	Lenacil	0.1*	0.21*
TC	Brazil Colombia	Apple	850189	Fenitrothion	0.01*	0.017
		Passion fruit	850645	L-Cyhalothrin	0.02*	0.037
		Tamarillo	850646	Chlorothalonil	0.01*	0.014
		Papaya		Fluopicolide	0.01*	0.023
				L-Cyhalothrin	0.01*	0.035

Source	Commodity	Sample no	Pesticide	MRL	Residue
Ecuador	Granadilla	850652	Boscalid	0.01*	0.061 ^{mu}
			Chlorfenapyr	0.01*	0.029 ^{mu}
			Iprodione	0.02*	0.078 ^{mu}
	Papaya	850081	Propiconazole	0.05*	0.12 ^{mu}
		850525	Myclobutanil	0.02*	0.037
	Pomegranates	850736	Fenpropathrin	0.01*	0.017
	Blackberries	850758	Chlorothalonil	0.01*	0.12 ^{mu}
	Summer Squash	850170	Chlorothalonil	0.01*	0.25 ^{mu}
	Rice	850208	Triazophos	0.02*	0.055 ^{mu}
		850212	Carbendazim	0.01*	0.02
Morocco	Rice	850822	Acephate	0.01*	0.1 ^{mu}
			Methamidophos	0.01*	0.031 ^{mu}
			Triazophos	0.02*	0.038
	Pomegranate	77958	Famoxadone	0.02*	0.047 ^{mu}
	Clementine	78007	Dicofol	0.02*	0.024
	Peas w pods	850773	Permethrin	0.05*	0.092 ^{mu}
			Fenhexamid	0.05*	0.12 ^{mu}
	Nectarine	77910	Chlorfenpyr	0.01*	0.04 ^{mu}
		850225	Oxamyl	0.01*	0.046 ^{mu}
	Peas w pods		Permethrin	0.05*	0.11 ^{mu}
S Africa	Grapefruit	850424	Chlorfenpyr	0.01*	0.016
	Oranges	850731	Methidathion	0.01*	0.031 ^{mu}
Enforcement TC	Egypt	850229	2 phenylphenol	5	6.5
			Imazalil	5	8.1
	India	850801	Permethrin	0.05*	0.2 ^{mu}
	Kenya	850363	Acephate	0.01*	0.014
		850433	Acephate	0.01*	0.027 ^{mu}
	Peas with pods	850814	Methamidophos	0.01*	0.015
			Profenofos	0.01*	0.02
			Dimethoate	0.02*	0.024
			Omethoate	0.02*	0.027
			Dimethoate(sum)	0.02*	0.053
	Egypt	850240	Imazalil	5	9.6
	Egypt	850248	Imazalil	5	5.5

*The MRL at the LOQ.

(mu) breach with MU of 50% and 95% confidence that MRL is exceeded

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

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 2014.

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 a very conservative assessment leading to an overestimation of the real exposure of the Irish consumers to pesticide intakes.

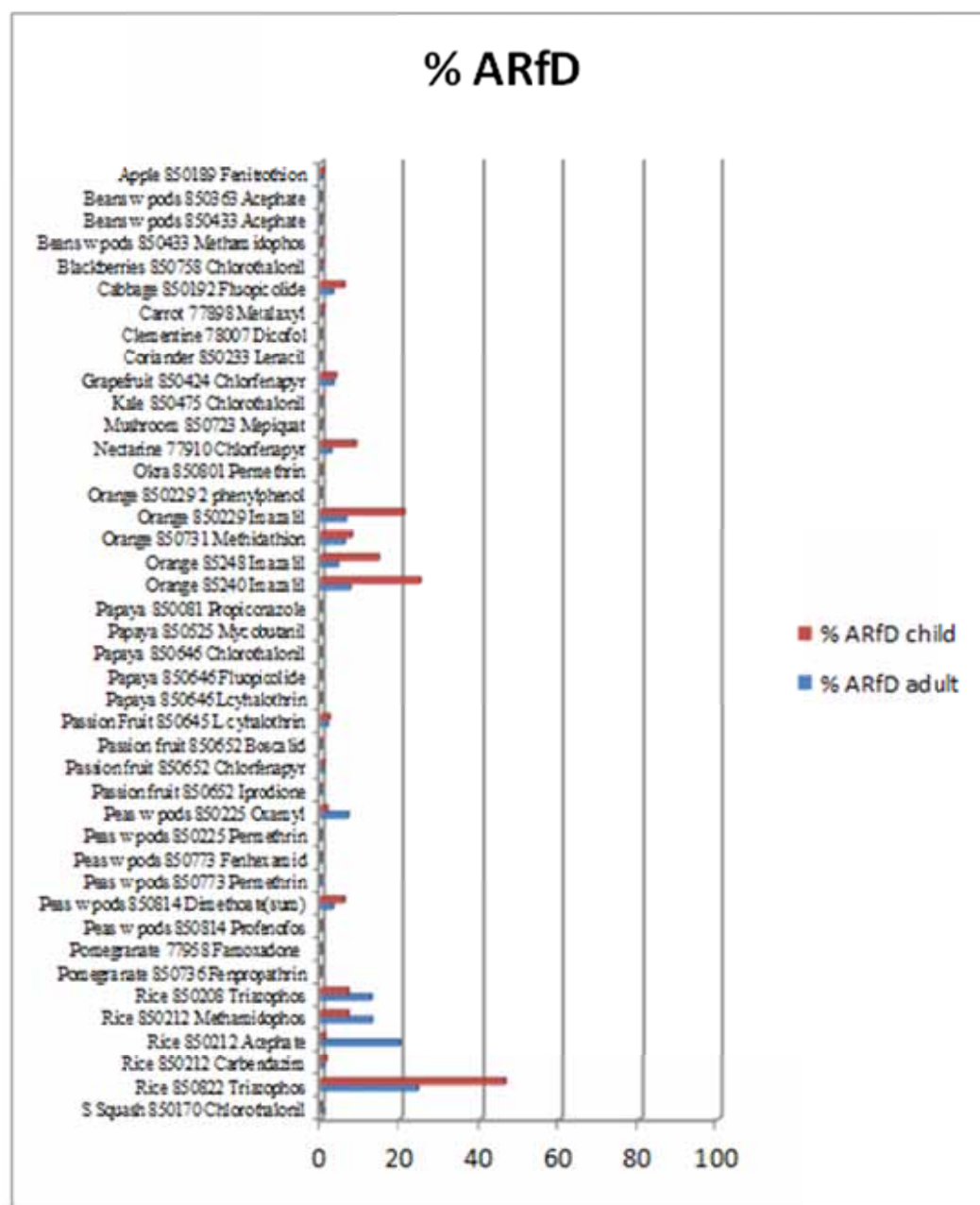


Figure 14: Estimated short term intakes of the MRL breaches as % of the ARfD

The acute or short term pesticide intake assessment for the 31 breaches (Figure 1) indicate that no breach exceeds the 100% ARfD which is deemed to be unacceptable with the safety factors setting the toxicological endpoints being compromised. The highest short term intake was estimated for rice containing **Triazophos** with an intake equivalent to 70% of the ARfD for children.

7.2.2 Chronic Assessment

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

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

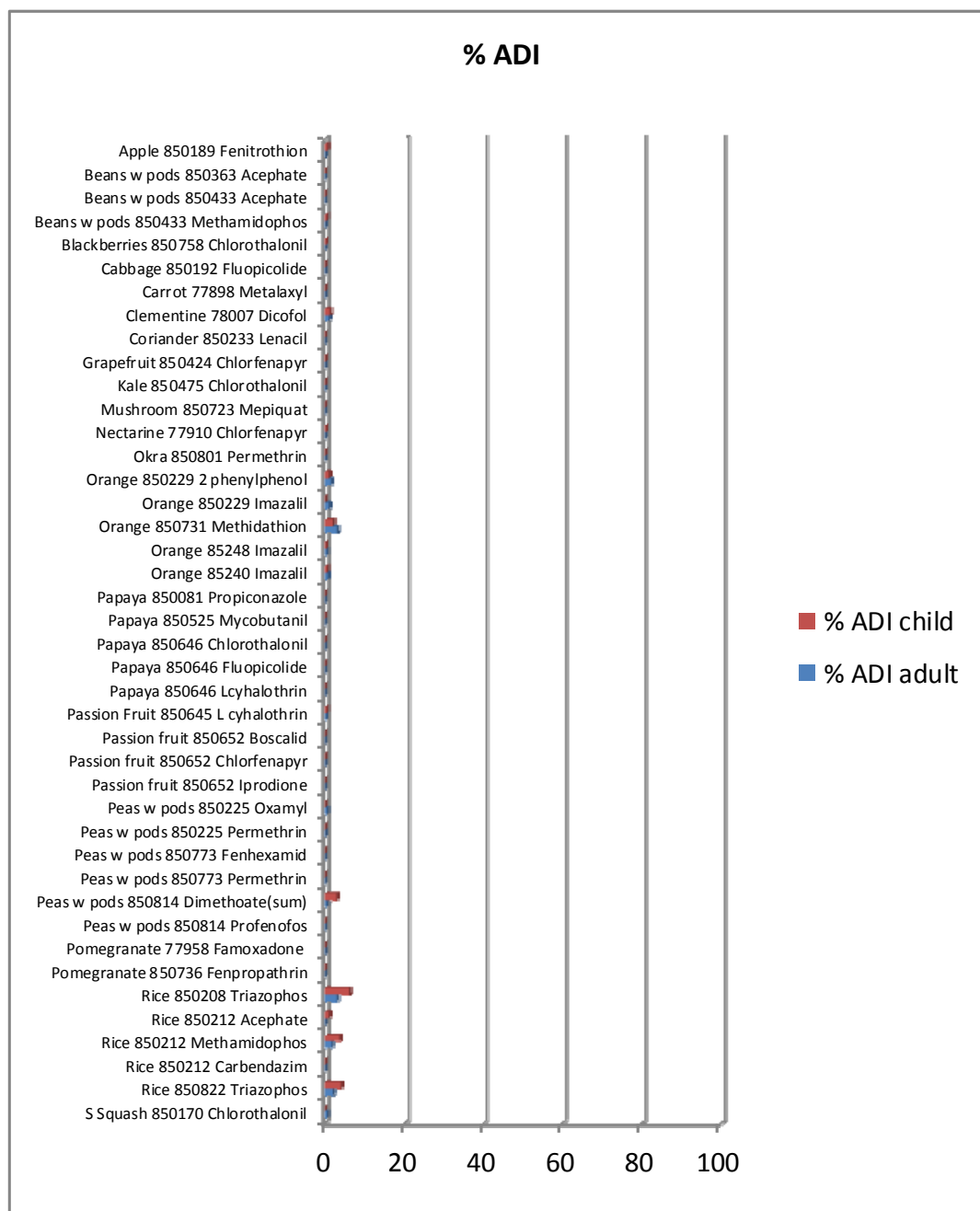


Figure 15: Estimated chronic intakes of the MRL breaches as % of the ADI.

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 2 depicts the estimated pesticide intake for the 31 breaches as a percentage of the ADI for the Irish adult and child.

There was no chronic intake exceedance for the 31 MRL breaches encountered in 2014. The highest intake was in a rice sample containing a low chronic intake of **Triazophos** equivalent to 6% 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 Enforcement actions on domestic samples

The PCD Enforcement Officer investigates all MRL breaches in samples of domestic origin. In 2014, three MRL breaches were detected in produce of domestic origin (cabbage, kale and mushroom).

Investigations were carried in the cases of the head cabbage containing **fluopicolide** and kale containing **chlorothalonil** above the relevant MRL. A definitive explanation for these breaches was not determined, but may have resulted from spray drift from adjacent plots or cross contamination during handling. In the case of mushrooms found to contain the active substance **mepiquat** (for which there is no authorised use on mushroom but which is permitted for use on wheat), it has been shown that compost made from wheat straw treated with mepiquat can transfer mepiquat residues to mushrooms. Pending a review of an application for a higher MRL by EFSA, it is recommended that such straw should not be used as compost for the mushroom industry.. In all cases there were no risks to the consumers. As a precautionary measure, follow up targeted samples will be taken in 2015 where they are available on the market.

As the result of breaches and invalid uses detected in 2013, five follow up targeted samples were taken from domestic growers in 2014. Two samples were targeted as follow up to MRL breaches (head cabbage and potato), and three samples (strawberry, parsnip and turnip) were targeted as follow-up to unauthorised uses detected in 2013. No repeated MRL breaches or unauthorised uses were detected.

8.2 Enforcement actions on imported samples

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

Three samples of table grape from Peru and South Africa were targeted on foot of RASFF alerts for table grapes containing **ethephon** exceeding the MRL and posing unacceptable risks to consumers. No exceedance was encountered in the 3 samples and no further actions were required.

Following an MRL breach in 2013, a targeted sample of grapefruit from Turkey was found to be in compliance with MRL legislation.

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 2014, okra from India was subject to more stringent control under Commission Implementing Regulations (EU) No 91/2013 and (EU) No 885/2014.

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 2014, 106 consignments were randomly selected and analysed for pesticide residues. A total of 5 samples were found to breach relevant MRLs.

Table 24 outlines the actions taken for each of these breaches.

Table 24: Imports Controls - MRL breaches and enforcement action taken in 2014

Lab ID	Country of Origin	Commodity	Action taken
850229	Egypt	Orange	No risk identified. Consignment redespached back to Egypt as residues > MRL when 50 % measurement uncertainty applied for 2 pesticides.
830363	Kenya	Beans with pods	No risk identified. Consignment released as residue < MRL when 50 % measurement uncertainty applied.
850433	Kenya	Beans with pods	No risk identified. Consignment destroyed as residue > MRL when 50% measurement uncertainty applied.
850801	India	Okra	No risk identified. Consignment destroyed as residue > MRL when 50% measurement uncertainty applied.
850814	Kenya	Peas with pods	No risk identified. Consignment destroyed as residue > MRL when 50% measurement uncertainty applied.

Two additional consignments of oranges from Egypt were targeted outside the framework of Regulation (EC) No 669/2009. In both cases there was no exceedance of the MRL with the 50% uncertainty for **Imazalil** and no risk to consumers was identified. No further actions were required.

8.3 Concluding remarks

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

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

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. L307 of 16.11.2013

Commission Regulation (EU) No 1317/2013

O.J. No. L339 of 17.12.2013

Commission Regulation (EU) No 36/2014

O.J. No. L17 of 21.01.2014

Commission Regulation (EU) No 51/2014

O.J. No. L16 of 21.01.2014

Commission Regulation (EU) No 61/2014

O.J. No. L22 of 25.01.2014

Commission Regulation (EU) No 79/2014

O.J. No. L27 of 30.01.2014

Commission Regulation (EU) No 87/2014

O.J. No. L35 of 05.02.2014

Commission Regulation (EU) No 289/2014

O.J. No. L87 of 22.03.2014

Commission Regulation (EU) No 318/2014

O.J. No. L93 of 28.03.2014

Commission Regulation (EU) No 364/2014

O.J. No. L112 of 15.04.2014

Commission Regulation (EU) No 398/2014

O.J. No. L119 of 23.04.2014

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 2014:

S.I 252/2014

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		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
1-Naphthylacetamide	0.01	2,4,6-Trichlorophenol	0.005	1-Naphthylacetamide	0.01	1-Naphthylacetamide	0.01
2,4,5-T	0.01	3,5-Dichloroaniline	0.01	2,4,5-T	0.01	2,4,5-T	0.01
2,4,6-Trichlorophenol	0.01	3-Chloroaniline	0.005	2,4,6-Trichlorophenol	0.005	2,4,6-Trichlorophenol	0.01
2,4-D	0.02	4,4-Dichlorobenzophenone	0.005	2,4-D	0.02	2,4-D	0.01
2,4-DB	0.05	Acephate	0.05	2,4-DB	0.05	2,4-DB	0.01
3,5-Dichloroaniline	0.01	Aclonifen	0.02	3,5-Dichloroaniline	0.01	3,5-Dichloroaniline	0.01
3-Chloroaniline	0.01	Acrinathrin	0.005	3-Chloroaniline	0.005	3-Chloroaniline	0.01
4,4-Dichlorobenzophenone	0.01	Alachlor	0.005	4,4-Dichlorobenzophenone	0.005	4,4-Dichlorobenzophenone	0.01
Abamectin	0.1	Aldrin	0.005	Abamectin	0.1	Abamectin	0.1
Acephate	0.01	Ametryn	0.01	Acephate	0.01	Acephate	0.01
Acetamiprid	0.01	Aminocarb	0.01	Acetamiprid	0.01	Acetamiprid	0.01
Acetochlor	0.02	Anthraquinone	0.05	Acetochlor	0.02	Acetochlor	0.01
Acibenzolar-S-methyl	0.05	Atrazine	0.01	Acibenzolar-S-methyl	0.05	Acibenzolar-S-methyl	0.05
Aclonifen	0.01	Azaconazole	0.005	Aclonifen	0.02	Aclonifen	0.01
Acrinathrin	0.01	Azamethiophos	0.01	Acrinathrin	0.005	Acrinathrin	0.01
Alachlor	0.01	Azinphos-ethyl	0.005	Alachlor	0.005	Alachlor	0.01
Aldicarb	0.02	Azinphos-methyl	0.01	Aldicarb	0.02	Aldicarb	0.01
Aldicarb-sulfone	0.01	Azoxystrobin	0.01	Aldicarb-sulfone	0.01	Aldicarb-sulfone	0.01
Aldicarb-sulfoxide	0.02	Benalaxyl	0.01	Aldicarb-sulfoxide	0.02	Aldicarb-sulfoxide	0.01
Aldrin	0.01	Bendiocarb	0.01	Aldrin	0.005	Aldrin	0.01
Ametryn	0.01	Bifenthrin	0.005	Ametryn	0.01	Ametryn	0.01
Amidosulfuron	0.01	Biphenyl	0.1	Amidosulfuron	0.01	Amidosulfuron	0.01
Aminocarb	0.01	Bitertanol-I	0.005	Aminocarb	0.01	Aminocarb	0.01
Anthraquinone	0.05	Bitertanol-II	0.005	Anthraquinone	0.05	Anthraquinone	0.05
Asulam	0.02	Bixafen	0.01	Asulam	0.02	Asulam	0.01
Atrazine	0.01	Boscalid	0.02	Atrazine	0.01	Atrazine	0.01
Atrazine-desethyl	0.01	Bromacil	0.01	Atrazine-desethyl	0.01	Atrazine-desethyl	0.01
Atrazine-desisopropyl	0.01	Bromophos-ethyl	0.005	Atrazine-desisopropyl	0.01	Atrazine-desisopropyl	0.01
Azaconazole	0.01	Bromophos-methyl	0.005	Azaconazole	0.005	Azaconazole	0.01
Azamethiophos	0.01	Bromopropylate	0.005	Azamethiophos	0.01	Azamethiophos	0.01
Azinphos-ethyl	0.01	Bromconazole	0.01	Azinphos-ethyl	0.005	Azinphos-ethyl	0.01
Azinphos-methyl	0.01	Bupirimate	0.01	Azinphos-methyl	0.01	Azoxystrobin	0.01
Azoxystrobin	0.01	Buprofezin	0.01	Azoxystrobin	0.01	Benalaxyl	0.01
		Butocarboxim-sulfoxide	0.01			Bendiocarb	0.01
BAC10	0.01	Cadusafos	0.01	BAC10	0.01	Bentazone	0.01
BAC12	0.01	Carbaryl	0.01	BAC12	0.01	Benthiavalcicarb-isopropyl	0.01
BAC14	0.01	Carbendazim	0.01	BAC14	0.01	Benzoximate	0.01
BAC16	0.01	Carbofuran	0.01	BAC16	0.01	Bifenthrin	0.01
Benalaxyl	0.01	Carbofuran 3 hydroxy	0.01	Benalaxyl	0.01	Binapacryl	0.01
Bendiocarb	0.01	Carbosulfan	0.01	Bendiocarb	0.01	Bioresmethrin	0.01
Bentazone	0.01	Carboxin	0.01	Bentazone	0.01	Biphenyl	0.05
Benthiavalcicarb-isopropyl	0.01	Chlorbromuron	0.01	Benthiavalcicarb-isopropyl	0.01	Bitertanol	0.01
Benzoximate	0.01	Chlorbufam	0.02	Benzoximate	0.01	Bixafen	0.01
Bifenthrin	0.01	Chlordane-cis	0.005	Bifenthrin	0.005	Boscalid	0.01
				Bioresmethrin	0.01		

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Binapacryl	0.01	Chlordane-trans	0.005	Biphenyl	0.1	Bromacil	0.01
Bioresmethrin	0.01	Chlorfenapyr	0.02	Bitertanol-I	0.005	Bromophos-ethyl	0.01
Biphenyl	0.05	Chlorfenvinphos	0.01	Bitertanol-II	0.005	Bromophos-me	0.01
Bitertanol	0.01	Chlorobenzilate	0.005	Bixafen	0.01	Bromopropylate	0.01
Bixafen	0.01	Chlorothalonil	0.005	Boscalid	0.01	Bromoxynil	0.01
Boscalid	0.01	Chlorpropham	0.005	Bromacil	0.01	Bromuconazole	0.01
Bromacil	0.01	Chlorpyrifos methyl	0.005	Bromophos-ethyl	0.005	Bupirimate	0.01
Bromophos-ethyl	0.01	Chlorpyriphos	0.01	Bromophos-methyl	0.005	Buprofezin	0.01
Bromophos-methyl	0.01	Chlorthal-dimethyl	0.005	Bromopropylate	0.005	Butoxycarboxim-sulfoxide	0.01
Bromopropylate	0.01	Chlozolinate	0.005	Bromoxynil	0.01	Butoxycarboxim	0.02
Bromoxynil	0.01	Clofentezine	0.01	Bromuconazole I	0.01	Cadusafos	0.01
Bromuconazole	0.01	Coumaphos	0.005	Bromuconazole II	0.01	Captafol	0.01
Bupirimate	0.01	Cyanazine	0.01	Bupirimate	0.01	Captan	0.01
Buprofezin	0.01	Cyanofenphos	0.005	Buprofezin	0.01	Carbaryl	0.01
Butocarboxim Sulfoxide	0.01	Cyanophos	0.005	Butocarboxim Sulfoxide	0.01	Carbendazim	0.01
Butoxycarboxim	0.02	Cyazofamid	0.01	Butoxycarboxim	0.02	Carbofuran	0.01
Cadusafos	0.01	Cyfluthrin	0.02	Cadusafos	0.01	Carbofuran 3 Hydroxy	0.01
Captafol	0.02	Cyhalothrin-lambda	0.005	Carbaryl	0.01	Carbosulfan	0.01
Captan	0.01	Cypermethrin	0.05	Carbendazim	0.02	Carboxin	0.01
Carbaryl	0.01	Cyproconazole	0.005	Carbofuran	0.01	Carfentrazon-ethyl	0.01
Carbendazim	0.02	Cyprodinil	0.01	Carbofuran 3 Hydroxy	0.01	Chlorantraniliprole	0.01
Carbofuran	0.01	Deltamethrin	0.02	Carbosulfan	0.01	Chlorbromuron	0.01
Carbofuran 3 Hydroxy	0.01	Demeton-S-me-sulfone	0.005	Carboxin	0.01	Chlorbufam	0.01
Carbosulfan	0.01	Diazinon	0.005	Carfentrazon-ethyl	0.01	Chlordane cis	0.05
Carboxin	0.01	Dichlobenil	0.005	Chlorantraniliprole	0.01	Chlordane trans	0.05
Carfentrazon-ethyl	0.01	Dichlofluanid	0.005	Chlorbromuron	0.01	Chlorfenapyr	0.01
Chlorantraniliprole	0.01	Dichlorvos	0.005	Chlorbufam	0.02	Chlorfenvinphos	0.01
Chlorbromuron	0.01	Dicloran	0.005	Chlordane-cis	0.005	Chlorfluazuron	0.01
Chlorbufam	0.01	Dieldrin	0.01	Chlordane-trans	0.005	Chloridazon	0.01
Chlordane-cis	0.01	Diethofencarb	0.01	Chlorfenapyr	0.02	Chlorobenzilate	0.01
Chlordane-trans	0.01	Difenoconazole	0.01	Chlorfenvinphos	0.01	Chlorothalonil	0.01
Chlorfenapyr	0.01	Dimethenamid	0.01	Chlorfluazuron	0.01	Chlorotoluron	0.01
Chlorfenvinphos	0.01	Dimethoate	0.005	Chloridazon	0.01	Chloroxuron	0.01
Chlorfluazuron	0.01	Dimethomorph	0.01	Chlorobenzilate	0.005	Chlorpropham	0.01
Chloridazon	0.01	Dimoxystrobin	0.005	Chlorothalonil	0.005	Chlorpyrifos	0.01
Chlorobenzilate	0.01	Diniconazole	0.01	Chlorotoluron	0.01	Chlorpyrifos Methyl	0.01
Chlorothalonil	0.01	Diphenylamine	0.05	Chloroxuron	0.01	Chlorsulfuron	0.05
Chlorotoluron	0.01	Diuron	0.01	Chlorpropham	0.005	Chlorthal-dimethyl	0.01
Chloroxuron	0.01	Endosulfan-alpha	0.01	Chlorpyrifos methyl	0.005	Chlozolinate	0.05
Chlorpropham	0.01	Endosulfan-beta	0.01	Chlorpyriphos	0.01	Clethodim	0.01
Chlorpyrifos methyl	0.01	Endosulfan-ether	0.005	Chlorsulfuron	0.01	Clodinafop-propargyl	0.01
Chlorpyriphos	0.01	Endosulfan-lacton	0.02	Chlorthal-dimethyl	0.005	Clofentezine	0.01
Chlorsulfuron	0.01	Endosulfan-sulfate	0.02	Chlozolinate	0.005	Clomazone	0.01
Chlorthal-dimethyl	0.01	Endrin	0.01	Clethodim	0.01	Clopyralid	0.05
Chlozolinate	0.01	EPN	0.005	Clodinafop-propargyl	0.01	Clothianidin	0.01
Clethodim	0.01	Epoxyconazole	0.01	Clofentezine	0.01	Coumaphos	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Clodinafop-propargyl	0.01	Ethiofencarb	0.05	Clomazone	0.01	Cyanazine	0.01
Clofentezine	0.01	Ethiofencarb sulfone	0.05	Clopyralid	0.05	Cyanofenphos	0.01
Clomazone	0.01	Ethiofencarb sulfoxide	0.05	Clothianidin	0.01	Cyanophos	0.01
Clopyralid	0.05	Ethion	0.01	Coumaphos	0.005	Cyazofamid	0.01
Clothianidin	0.01	Ethofumesate	0.01	Cyanazine	0.01	Cyclanilide	0.01
Coumaphos	0.01	Ethoprophos	0.005	Cyanofenphos	0.005	Cycloate	0.01
Cyanazine	0.01	Etofenprox	0.01	Cyanophos	0.005	Cycloxydim	0.5
Cyanofenphos	0.01	Etoxazole	0.005	Cyazofamid	0.01	Cyfluthrin	0.05
Cyanophos	0.01	Etridazole	0.005	Cyclanilide	0.1	Cyhalothrin (lambda)	0.01
Cyazofamid	0.01	Etrimfos	0.01	Cycloate	0.01	Cymiazol	0.01
Cyclanilide	0.1	Famoxadone	0.01	Cycloxydim	0.05	Cymoxanil	0.01
Cycloate	0.01	Fenamidone	0.005	Cyfluthrin	0.02	Cypermethrin	0.1
Cycloxydim	0.05	Fenamiphos	0.01	Cyhalothrin-lambda	0.005	Cyproconazole	0.01
Cyfluthrin	0.01	Fenarimol	0.005	Cymiazol	0.01	Cyprodinil	0.01
Cyhalothrin-lambda	0.01	Fenazaquin	0.01	Cymoxanil	0.01	op DDD	0.01
Cymiazol	0.01	Fenbuconazole	0.005	Cypermethrin	0.05	pp DDD	0.01
Cymoxanil	0.01	Fenchlorphos	0.005	Cyproconazole	0.005	op DDE	0.01
Cypermethrin	0.02	Fenhexamid	0.01	Cyprodinil	0.01	pp DDE	0.01
Cyproconazole	0.01	Fenitrothion	0.005	DDAC	0.01	op DDT	0.01
Cyprodinil	0.01	Fenoxycarb	0.01	DEET	0.05	pp DDT	0.01
DDAC	0.01	Fenpropathrin	0.005	Deltamethrin	0.02	DEET	0.05
DEET	0.05	Fenpropidin	0.01	Demeton-S-me-sulfone	0.005	Deltamethrin	0.05
Deltamethrin	0.01	Fenpropimorph	0.01	Demeton-S-methyl-sulfoxide	0.01	Demeton-s-methyl sulfone	0.01
Demeton-S-me-sulfone	0.01	Fenpyroximate	0.01	Desmedipham	0.01	Demeton-s-methyl sulfoxide	0.01
Demeton-S-methyl-sulfoxide	0.01	Fenthion	0.01	Diazinon	0.005	Desmedipham	0.01
Desmedipham	0.01	Fenthion sulfone	0.01	Dichlobenil	0.005	Diazinon	0.01
Diazinon	0.01	Fenthion sulfoxide	0.01	Dichlofenthion	0.05	Dichlobenil	0.01
Dichlobenil	0.01	Fenvalerate-I	0.01	Dichlofluanid	0.005	Dichlofenthion	0.05
Dichlofenthion	0.05	Fenvalerate-II	0.01	Dichlorprop	0.01	Dichlofluanid	0.01
Dichlofluanid	0.01	Flamprop-isopropyl	0.01	Dichlorvos	0.005	Dichlorprop	0.01
Dichlorprop	0.01	Flucythrinate-I	0.02	Diclobutrazol	0.01	Dichlorvos	0.01
Dichlorvos	0.01	Flucythrinate-II	0.02	Dicloran	0.005	Diclobutrazol	0.01
Diclobutrazol	0.01	Fludioxonil	0.005	Dicrotophos	0.01	Dicloran	0.01
Dicloran	0.01	Flufenacet	0.01	Dieldrin	0.01	Dicofol	0.01
Dicofol	0.01	Flufenoxuron	0.01	Diethofencarb	0.01	Dicrotophos	0.01
Dicrotophos	0.01	Fluquinconazole	0.01	Difenoconazole	0.01	Dieldrin	0.01
Dieldrin	0.01	Flurtamone	0.005	Diflubenzuron	0.01	Diethofencarb	0.01
Diethofencarb	0.01	Flusilazole	0.005	Diflufenican	0.01	Difenoconazole	0.01
Difenoconazole	0.01	Flutolanil	0.01	Dimethenamid	0.01	Diflubenzuron	0.01
Diflubenzuron	0.01	Flutriafol	0.01	Dimethoate	0.005	Diflufenican	0.01
Diflufenican	0.01	Fluvalinate-tau-I	0.02	Dimethomorph I	0.01	Dimethenamid	0.01
Dimethenamid	0.01	Fluvalinate-tau-II	0.02	Dimethomorph II	0.01	Dimethoate	0.01
Dimethoate	0.01	Fonofos	0.005	Dimoxystrobin	0.005	Dimethomorph	0.01
Dimethomorph	0.01	Formothion	0.005	Diniconazole	0.01	Dimoxystrobin	0.01
Dimoxystrobin	0.01	Fosthiazate	0.01	Dinitramine	0.1	Diniconazole	0.01
Diniconazole	0.01	Fuberidazole	0.01	Dinoseb	0.02	Dinitramine	0.1

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Dinitramine	0.1	Furalaxyl	0.005	Dinoterb	0.02	Dinoseb	0.01
Dinoseb	0.02	Furathiocarb	0.01	Dioxacarb	0.01	Dinoterb	0.02
Dinoterb	0.02	HCH-alpha	0.005	Diphenamid	0.01	Dioxacarb	0.01
Dioxacarb	0.01	HCH-beta	0.005	Diphenylamine	0.05	Diphenamid	0.01
Diphenamid	0.01	HCH-delta	0.005	Ditalimfos	0.01	Diphenylamine	0.05
Diphenylamine	0.05	Heptachlor	0.005	Diuron	0.01	Ditalimfos	0.01
Ditalimfos	0.01	Heptachlor endo-epoxide,trans	0.005	DMSA	0.02	Diuron	0.01
Diuron	0.01	Heptachlor exo-epoxide,cis	0.005	DMST	0.02	DMSA	0.01
DMSA	0.02	Heptenophos	0.01	DNOC	0.01	DMST	0.01
DMST	0.02	Hexachlorobenzene	0.005	Dodine	0.01	DNOC	0.02
DNOC	0.01	Hexaconazole	0.005	Emamectin B1a	0.01	Dodine	0.01
Dodine	0.01	Hexythiazox	0.01	Endosulfan sulfate	0.02	Emamectin B1a	0.01
Emamectin B1a	0.01	Imazalil	0.01	Endosulfan-alpha	0.01	Endosulfan (alpha isomer)	0.01
Endosulfan sulfate	0.02	Indoxacarb	0.01	Endosulfan-beta	0.01	Endosulfan (beta isomer)	0.01
Endosulfan-alpha	0.01	Iodofenphos	0.005	Endosulfan-ether	0.005	Endosulfan ether	0.01
Endosulfan-beta	0.01	Iprovalicarb-I	0.02	Endosulfan-lacton	0.02	Endosulfan Lacton	0.01
Endosulfan-ether	0.01	Iprovalicarb-II	0.02	Endosulfan-sulfate	0.02	Endosulfan sulfate	0.01
Endosulfan-lacton	0.01	Isazophos	0.005	Endrin	0.01	Endrin	0.01
Endosulfan-sulfate	0.02	Isodrin	0.005	EPN	0.005	EPN	0.01
Endrin	0.01	Isofenphos	0.01	Epoxyconazole	0.01	Epoxyconazole	0.01
EPN	0.01	Isofenphos	0.005	EPTC	0.1	EPTC	0.01
Epoxyconazole	0.01	Isofenphos-methyl	0.005	Ethiofencarb	0.05	Ethiofencarb	0.05
EPTC	0.1	Isofenphos-oxon	0.005	Ethiofencarb-sulfone	0.05	Ethiofencarb sulfone	0.05
Esfenvalerate	0.01	Isoprocarb	0.01	Ethiofencarb-sulfoxide	0.05	Ethiofencarb sulfoxide	0.05
Ethiofencarb	0.05	Isoprothiolane	0.01	Ethion	0.01	Ethion	0.01
Ethiofencarb-sulfone	0.05	Isoproturon	0.01	Ethirimol	0.01	Ethirimol	0.01
Ethiofencarb-sulfoxide	0.05	Kresoxim-methyl	0.01	Ethofumesate	0.01	Ethofumesate	0.01
Ethion	0.01	Lenacil	0.005	Ethoprophos	0.005	Ethoprophos	0.01
Ethirimol	0.01	Lindane	0.005	Etofenprox	0.01	Etofenprox	0.01
Ethofumesate	0.01	Linuron	0.01	Etoxazole	0.005	Etoxazole	0.05
Ethoprophos	0.01	Lufenuron	0.01	Etridazole	0.005	Etridazole	0.01
Etofenprox	0.01	Malaoxon	0.01	Etrimfos	0.01	Etrimfos	0.01
Etoxazole	0.01	Malathion	0.01	Famoxadone	0.01	Famoxadone	0.01
Etridazole	0.01	MCPA methyl ester	0.005	Fenamidone	0.005	Fenamidone	0.01
Etrimfos	0.01	Mecarbam	0.005	Fenamiphos	0.01	Fenamiphos	0.01
Famoxadone	0.01	Mepanipyrim	0.01	Fenamiphos-sulfone	0.01	Fenamiphos-sulfone	0.01
Fenamidone	0.01	Mepronil	0.01	Fenamiphos-sulfoxide	0.01	Fenamiphos-sulfoxide	0.01
Fenamiphos	0.01	Metaxyl	0.01	Fenarimol	0.005	Fenarimol	0.01
Fenamiphos-sulfone	0.01	Metazachlor	0.01	Fenazaquin	0.01	Fenazaquin	0.01
Fenamiphos-sulfoxide	0.01	Metconazole	0.01	Fenbuconazole	0.005	Fenbuconazole	0.01
Fenarimol	0.01	Methacrifos	0.005	Fenchlorphos	0.005	Fenchlorphos	0.01
Fenazaquin	0.01	Methamidophos	0.005	Fenhexamid	0.01	Fenhexamid	0.01
Fenbuconazole	0.01	Methidathion	0.01	Fenitrothion	0.005	Fenitrothion	0.01
Fenchlorphos	0.01	Methiocarb	0.01	Fenoprop (2,4,5 TP)	0.01	Fenoprop (2,4,5 TP)	0.01
Fenhexamid	0.01	Methiocarb sulfone	0.01	Fenothiocarb	0.01	Fenothiocarb	0.01
Fenitrothion	0.01	Methiocarb sulfoxide	0.01	Fenoxaprop-ethyl	0.05	Fenoxaprop-P	0.05

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Fenoprop (2,4,5 TP)	0.01	Methomyl	0.01	Fenoxycarb	0.01	Fenoxycarb	0.01
Fenothiocarb	0.01	Methoxychlor	0.02	Fenpiclonil	0.01	Fenpiclonil	0.01
Fenoxaprop-ethyl	0.05	Methoxyfenozide	0.01	Fenpropathrin	0.005	Fenpropathrin	0.01
Fenoxycarb	0.01	Metobromuron	0.01	Fenpropidin	0.01	Fenpropidin	0.01
Fenpiclonil	0.01	Metolachlor	0.01	Fenpropimorph	0.01	Fenpropimorph	0.01
Fenpropathrin	0.01	Metribuzin	0.005	Fenpyroximate	0.01	Fenpyroximate	0.01
Fenpropidin	0.01	Mevinphos	0.005	Fenthion	0.01	Fenthion	0.01
Fenpropimorph	0.01	Mirex	0.005	Fenthion Sulfone	0.01	Fenthion Sulfone	0.01
Fenpyroximate	0.01	Molinate	0.01	Fenthion Sulfoxide	0.01	Fenthion Sulfoxide	0.01
Fenthion	0.01	Molinate	0.02	Fenuron	0.05	Fenuron	0.05
Fenthion Sulfone	0.01	Myclobutanil	0.01	Fenvalerate-I	0.01	Fenvalerate	0.01
Fenthion Sulfoxide	0.01	Napropamide	0.01	Fenvalerate-II	0.01	Fipronil	0.01
Fenuron	0.05	Nitrofen	0.02	Fipronil	0.01	Fipronil desulfynil	0.01
Fenvalerate-I	0.01	Nonachlor-trans	0.005	Fipronil desulfynil	0.01	Fipronil sulfide	0.01
Fipronil	0.01	Nuarimol	0.005	Fipronil sulfide	0.01	Fipronil sulfone	0.01
Fipronil desulfynil	0.01	Omethoate	0.005	Fipronil sulfone	0.01	Flamprop isoropyl	0.01
Fipronil sulfide	0.01	opDDD	0.005	Flamprop-isopropyl	0.01	Flazasulfuron	0.01
Fipronil sulfone	0.01	opDDE	0.005	Flazasulfuron	0.01	Flonicamid	0.01
Flamprop-isopropyl	0.01	opDDT	0.01	Flonicamid	0.01	Florasulam	0.01
Flazasulfuron	0.01	o-Phenylphenol	0.005	Florasulam	0.01	Fluazifop	0.01
Flonicamid	0.01	Oxadixyl	0.005	Fluazifop	0.02	Fluazifop-P-butyl	0.01
Florasulam	0.01	Oxychlorane	0.005	Fluazifop-P-butyl	0.01	Fluazinam	0.01
Fluazifop	0.02	Paclobutrazol	0.01	Fluazinam	0.01	Flubendiamide	0.01
Fluazifop-P-butyl	0.01	Paraoxon ethyl	0.01	Flubendiamide	0.01	Flucycloxuron	0.01
Fluazinam	0.01	Paraoxon methyl	0.005	Flucycloxuron	0.01	Flucythrinate	0.01
Flubendiamide	0.01	Parathion-ethyl	0.005	Flucythrinate-I	0.02	Fludioxonil	0.01
Flucycloxuron	0.01	Parathion-methyl	0.005	Flucythrinate-II	0.02	Flufenacet	0.01
Flucythrinate	0.01	PCB 101	0.005	Fludioxonil	0.01	Flufenoxuron	0.01
Fludioxonil	0.01	PCB 118	0.005	Flufenacet	0.01	Fluopicolide	0.01
		PCB 138	0.005	Flufenoxuron	0.01	Fluopyram	0.02
Flufenacet	0.01	PCB 153	0.005	Fluopicolide	0.01	Fluquinconazole	0.01
Flufenoxuron	0.01	PCB 180	0.005	Fluopyram	0.02	Flurochloridone	0.01
Fluopicolide	0.01	PCB 28	0.005	Fluquinconazole	0.01	Flurtamone	0.01
Fluopyram	0.02	PCB 52	0.005	Flurochloridone	0.01	Flusilazole	0.01
Fluquinconazole	0.01	Penconazole	0.01	Flurtamone	0.005	Flutolanil	0.01
Flurochloridone	0.01	Pencycuron	0.01	Flusilazole	0.005	Flutriafol	0.01
Flurtamone	0.01	Pendimethalin	0.005	Flutolanil	0.01	Fluvalinate-tau	0.01
Flusilazole	0.01	Pentachloroaniline	0.005	Flutriafol	0.01	Fluxapyroxad	0.01
Flutolanil	0.01	Permethrin-I	0.02	Fluvalinate-tau-I	0.02	Folpet	0.01
Flutriafol	0.01	Permethrin-II	0.02	Fluvalinate-tau-II	0.02	Fonofos	0.01
Fluvalinate-tau	0.01	Phenmedipham	0.01	Fluxapyroxad	0.01	Forchlorfenuron	0.01
Fluxapyroxad	0.01	Phenthoate	0.005	Fonofos	0.005	Formothion	0.01
Folpet	0.01	Phorate sulfoxide	0.01	Forchlorfenuron	0.01	Fosthiazate	0.01
Fonofos	0.01	Phosalone	0.005	Formothion	0.005	Fubiderazole	0.01
Forchlorfenuron	0.01	Phosmet	0.005	Fosthiazate	0.01	Furalaxyl	0.01
Formothion	0.01	Phosphamidon-I	0.005	Fuberidazole	0.01	Furathiocarb	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Fosthiazate	0.01	Phosphamidon-II	0.005	Furalaxyl	0.005	Furmecyclox	0.01
Fuberidazole	0.01	Phoxim	0.01	Furathiocarb	0.01	Haloxypop	0.01
Furalaxyl	0.01	Picoxystrobin	0.01	Furmecyclox	0.01	Haloxypop-methyl	0.01
Furathiocarb	0.01	Piperonyl butoxide	0.01	Haloxypop	0.02	HCH alpha	0.01
Furmecyclox	0.01	Pirimicarb	0.005	Haloxypop-methyl	0.01	HCH beta	0.01
Haloxypop	0.02	Pirimicarb desmethyl	0.005	HCH-alpha	0.005	HCH-delta	1.01
Haloxypop-methyl	0.01	Pirimiphos ethyl	0.01	HCH-beta	0.005	Heptachlor	0.01
HCH-alpha	0.01	Pirimiphos methyl	0.01	HCH-delta	0.005	Heptachlor endo epoxide	0.01
HCH-beta	0.01	ppDDD	0.005	Heptachlor	0.005	Heptachlor exo epoxide	0.01
HCH-delta	0.01	ppDDE	0.005	Heptachlor endo-epoxide,trans	0.005	Heptenophos	0.01
Heptachlor	0.01	ppDDT	0.01	Heptachlor exo-epoxide,cis	0.005	Hexachlorobenzene	0.01
Heptachlor endo-epoxide,trans	0.01	Prochloraz	0.05	Heptenophos	0.01	Hexaconazole	0.01
Heptachlor exo-epoxide,cis	0.01	Procymidone	0.005	Hexachlorobenzene	0.005	Hexaflumuron	0.01
Heptenophos	0.01	Profenofos	0.005	Hexaconazole	0.005	Hexythiazox	0.01
Hexachlorobenzene	0.01	Prometryn	0.01	Hexaflumuron	0.01	Imazalil	0.01
Hexaconazole	0.01	Propachlor	0.005	Hexythiazox	0.01	Imazamox	0.01
Hexaflumuron	0.01	Propanil	0.005	Imazalil	0.01	Imazaquin	0.01
Hexythiazox	0.01	Propargite	0.005	Imazamox	0.01	Imazethapyr	0.01
Imazalil	0.01	Propetamphos	0.005	Imazaquin	0.01	Imidacloprid	0.01
Imazamox	0.01	Propham	0.005	Imazethapyr	0.01	Indoxacarb	0.01
Imazaquin	0.01	Propiconazole-I	0.005	Imidacloprid	0.01	Iodofenphos	0.01
Imazethapyr	0.01	Propiconazole-II	0.005	Indoxacarb	0.01	Iodosulfuron-methyl-sodium	0.01
Imidacloprid	0.01	Propoxur	0.01	Iodofenphos	0.005	Ioxynil	0.01
Indoxacarb	0.01	Propyzamide	0.01	Iodosulfuron-methyl	0.01	Iprodione	0.01
Iodofenphos	0.01	Prothiofos	0.005	Ioxynil	0.01	Iprovalicarb	0.05
Iodosulfuron-methyl	0.01	Pyraclostrobin	0.01	Iprovalicarb-I	0.02	Isazophos	0.01
Ioxynil	0.01	Pyrazophos	0.01	Iprovalicarb-II	0.02	Isocarbofos	0.01
Iprodione	0.01	Pyrethrin	0.05	Isazophos	0.005	Isodrin	0.01
Iprovalicarb	0.01	Pyridaben	0.01	Isodrin	0.005	Isofenphos	0.01
Isazophos	0.01	Pyridaben	0.005	Isofenphos	0.02	Isofenphos-methyl	0.01
Isocarbofos	0.01	Pyridaphenthion	0.01	Isofenphos-methyl	0.005	Isofenphos-oxon	0.01
Isodrin	0.01	PyrifenoX-I	0.01	Isofenphos-oxon	0.005	Isoprocab	0.01
Isofenphos	0.02	PyrifenoX-II	0.01	Isoprocab	0.01	Isoprothiolane	0.01
Isofenphos-methyl	0.01	Pyrimethanil	0.01	Isoprothiolane	0.01	Isoproturon	0.01
Isofenphos-oxon	0.01	Pyriproxifen	0.01	Isoproturon	0.01	Kresoxim-methyl	0.01
Isoprocab	0.01	Quinalphos	0.01	Kresoxim-methyl	0.01	Lenacil	0.01
Isoprothiolane	0.01	Quinoxifen	0.01	Lenacil	0.005	Lindane	0.01
Isoproturon	0.01	Quintozene	0.005	Lindane	0.005	Linuron	0.01
Kresoxim-methyl	0.01	Quizalofop	0.01	Linuron	0.01	Lufenuron	0.01
Lenacil	0.01	Resmethrin	0.1	Lufenuron	0.01	Malaoxon	0.01
Lindane	0.01	Rotenone	0.01	Malaoxon	0.01	Malathion	0.01
Linuron	0.01	Silthiofam	0.005	Malathion	0.01	Mandipropamid	0.01
Lufenuron	0.01	Simazine	0.01	Mandipropamid	0.01	MCPA	0.01
Malaoxon	0.01	Spirodiclofen	0.02	MCPA	0.02	MCPA Methyl Ester	0.01
Malathion	0.01	Spiroxamine	0.01	MCPA methyl ester	0.005	MCPB	0.01
Mandipropamid	0.01	Tebuconazole	0.01	MCPB	0.01	Mecarbam	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
MCPA	0.02	Tebufenozide	0.01	Mecarbam	0.005	Mecoprop	0.01
MCPA methyl ester	0.01	Tebufenpyrad	0.01	Mecoprop	0.01	Mefenpyr-Diethyl	0.01
MCPB	0.01	Tecnazene	0.005	Mefenpyr-Diethyl	0.01	Mepanipyrin	0.01
Mecarbam	0.01	Tefluthrin	0.005	Mepanipyrin	0.01	Mephosfolan	0.01
Mecoprop	0.01	Terbutylazine	0.01	Mephosfolan	0.01	Mepronil	0.01
Mefenpyr-Diethyl	0.01	Tetraconazole	0.005	Mepronil	0.01	Mesosulfuron-methyl	0.01
Mepanipyrin	0.01	Tetradifon	0.005	Mesosulfuron methyl	0.01	Metalaxyl	0.01
Mephosfolan	0.01	Tetramethrin-I	0.02	Metalaxyl	0.01	Metamitron	0.01
Mepronil	0.01	Tetramethrin-II	0.02	Metamitron	0.01	Metazachlor	0.01
Mesosulfuron methyl	0.01	Thiabendazole	0.01	Metazachlor	0.01	Metconazole	0.01
Metalaxyl	0.01	Thiacloprid	0.01	Metconazole	0.01	Methacrifos	0.01
Metamitron	0.01	Tolclofos-methyl	0.005	Methacrifos	0.005	Methamidophos	0.01
Metazachlor	0.01	Tolyfluanid	0.005	Methamidophos	0.01	Methidathion	0.01
Metconazole	0.01	Triadimefon	0.005	Methidathion	0.01	Methiocarb	0.01
Methacrifos	0.01	Triadimenol-I	0.02	Methiocarb	0.01	Methiocarb Sulfone	0.01
Methamidophos	0.01	Triadimenol-II	0.02	Methiocarb Sulfone	0.01	Methiocarb Sulfoxide	0.01
Methidathion	0.01	Triazophos	0.01	Methiocarb Sulfoxide	0.01	Methomyl	0.01
Methiocarb	0.01	Trifloxystrobin	0.01	Methomyl	0.01	Methoprene	0.01
Methiocarb Sulfone	0.01	Triflumizole	0.01	Methoprene	0.01	Methoxychlor	0.01
Methiocarb Sulfoxide	0.01	Triflumizole	0.01	Methoxychlor	0.02	Methoxyfenozide	0.01
Methomyl	0.01	Trifluralin	0.005	Methoxyfenozide	0.01	Metobromuron	0.01
Methoprene	0.01	Triticonazole	0.01	Metobromuron	0.01	Metolachlor	0.01
Methoxychlor	0.01	Vamidothion	0.01	Metolachlor	0.01	Metosulam	0.01
Methoxyfenozide	0.01	Vinclozolin	0.005	Metosulam	0.01	Metoxuron	0.01
Metobromuron	0.01	Zoxamide	0.01	Metoxuron	0.01	Metrafenone	0.01
Metolachlor	0.01			Metrafenone	0.01	Metribuzin	0.01
Metosulam	0.01			Metribuzin	0.005	Metsulfuron-methyl	0.01
Metoxuron	0.01			Metsulfuron-methyl	0.01	Mevinphos	0.01
Metrafenone	0.01			Mevinphos	0.005	Mirex	0.01
Metribuzin	0.01			Mirex	0.005	Mollinate	0.01
Metsulfuron-methyl	0.01			Mollinate	0.02	Monocrotophos	0.01
Mevinphos	0.01			Monocrotophos	0.02	Monolinuron	0.01
Mirex	0.01			Monolinuron	0.01	Myclobutanil	0.01
Mollinate	0.01			Myclobutanil	0.01	Napropamide	0.01
Monocrotophos	0.02			Napropamide	0.01	Naptalam	0.01
Monolinuron	0.01			Naptalam	0.01	Neburon	0.01
Myclobutanil	0.01			Neburon	0.01	Nicosulfuron	0.01
Napropamide	0.01			Nicosulfuron	0.01	Nitenpyram	0.01
Naptalam	0.01			Nitenpyram	0.01	Nitrofen	0.01
Neburon	0.01			Nitrofen	0.02	Nonachlor, trans-	0.01
Nicosulfuron	0.01			Nonachlor-trans	0.005	Nuarimol	0.01
Nitenpyram	0.01			Nuarimol	0.005	Omethoate	0.01
Nitrofen	0.01			Omethoate	0.005	o-Phenylphenol	0.01
Nonachlor-trans	0.01			opDDD	0.005	Oxadiazon	0.01
Nuarimol	0.01			opDDE	0.005	Oxadixyl	0.01
Omethoate	0.01			opDDT	0.01	Oxamyl	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
opDDD	0.01			o-Phenylphenol	0.005	Oxamyl Oxime	0.01
opDDE	0.01			Oxadiazon	0.01	Oxy-chlordane	0.01
opDDT	0.01			Oxadixyl	0.005	Oxyfluorfen	0.1
o-Phenylphenol	0.01			Oxamyl	0.01	Paclobutrazol	0.01
Oxadiazon	0.01			Oxamyl Oxime	0.01	Paraoxon-ethyl	0.01
Oxadixyl	0.01			Oxychlordane	0.005	Paraoxon-methyl	0.01
Oxamyl	0.01			Oxyfluorfen	0.1	Parathion ethyl	0.01
Oxamyl Oxime	0.01			Paclobutrazol	0.01	Parathion methyl	0.01
Oxychlordane	0.01			Paraoxon methyl	0.005	PCB 101	0.01
Oxyfluorfen	0.1			Paraoxon-ethyl	0.01	PCB 118	0.01
Paclobutrazol	0.01			Parathion-ethyl	0.005	PCB 138	0.01
Paraoxon methyl	0.01			Parathion-methyl	0.005	PCB 153	0.01
Paraoxon-ethyl	0.01			PCB 101	0.005	PCB 180	0.01
Parathion-ethyl	0.01			PCB 118	0.005	PCB 28	0.01
Parathion-methyl	0.01			PCB 138	0.005	PCb 52	0.01
Penconazole	0.01			PCB 153	0.005	Penconazole	0.01
Pencycuron	0.01			PCB 180	0.005	Pencycuron	0.01
Pendimethalin	0.01			PCB 28	0.005	Pendimethalin	0.01
Pentachloroaniline	0.01			PCB 52	0.005	Pentachloroaniline	0.01
Permethrin	0.01			Penconazole	0.01	Permethrin	0.01
Pethoxamid	0.01			Pencycuron	0.01	Pethoxamid	0.01
Phenmedipham	0.01			Pendimethalin	0.005	Phenmedipham	0.01
Phenthoate	0.01			Pentachloroaniline	0.005	Phenthoate	0.01
Phorate	0.1			Permethrin-I	0.02	Phorate	0.1
Phorate Sulfoxide	0.01			Permethrin-II	0.02	Phorate Sulfoxide	0.01
Phosalone	0.01			Pethoxamid	0.01	Phosalone	0.01
Phosmet	0.01			Phenmedipham	0.01	Phosmet	0.01
Phosmet-oxon	0.01			Phenthoate	0.005	Phosmet-oxon	0.01
Phosphamidon	0.01			Phorate	0.1	Phosphamidon	0.01
Phoxim	0.01			Phorate Sulfoxide	0.01	Phoxim	0.01
Picloram	0.1			Phosalone	0.005	Picloram	0.1
Picoxystrobin	0.01			Phosmet	0.005	Picoxystrobin	0.01
Piperonyl butoxide	0.01			Phosmet-oxon	0.01	Piperonyl butoxide	0.01
Pirimicarb	0.01			Phosphamidon-I	0.005	Pirimicarb	0.01
Pirimicarb desmethyl	0.01			Phosphamidon-II	0.005	Pirimicarb desmethyl	0.01
Pirimiphos-ethyl	0.01			Phoxim	0.01	Pirimiphos-ethyl	0.01
Pirimiphos-methyl	0.01			Picloram	0.1	Pirimiphos-methyl	0.01
ppDDD	0.01			Picoxystrobin	0.01	Prochloraz	0.01
ppDDE	0.01			Piperonyl butoxide	0.01	Procymidone	0.01
ppDDT	0.01			Pirimicarb	0.005	Profenofos	0.01
Prochloraz	0.01			Pirimicarb desmethyl	0.005	Promecarb	0.01
Procymidone	0.01			Pirimiphos-ethyl	0.01	Prometon	0.01
Profenofos	0.01			Pirimiphos-methyl	0.01	Prometryn	0.01
Promecarb	0.01			ppDDD	0.005	Propachlor	0.01
Prometryn	0.01			ppDDE	0.005	Propamocarb	0.01
Prometon	0.01			ppDDT	0.01	Propanil	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Propachlor	0.01			Prochloraz	0.05	Propaquizafop	0.01
Propamocarb	0.01			Procymidone	0.005	Propargite	0.01
Propanil	0.01			Profenofos	0.005	Propazine	0.01
Propaquizafop	0.01			Promecarb	0.01	Propetamphos	0.01
Propargite	0.01			Promethryn	0.01	Propham	0.01
Propazine	0.01			Prometon	0.01	Propiconazole	0.01
Propetamphos	0.01			Propachlor	0.005	Propoxur	0.01
Propham	0.01			Propamocarb	0.01	Propoxycarbazone sodium	0.01
Propiconazole	0.01			Propanil	0.005	Propyzamide	0.01
Propoxur	0.01			Propaquizafop	0.01	Proquinazid	0.01
Propoxycarbazone	0.01			Propargite	0.005	Prosulfocarb	0.05
Propyzamide	0.01			Propazine	0.01	Prosulfuron	0.01
Proquinazid	0.01			Propetamphos	0.005	Prothioconazole desthio	0.01
Prosulfocarb	0.05			Propham	0.005	Prothiofos	0.01
Prosulfuron	0.01			Propiconazole-I	0.005	Pymetrozine	0.01
Prothioconazole desthio	0.01			Propiconazole-II	0.005	Pyraclostrobin	0.01
Prothiofos	0.01			Propoxur	0.01	Pyrazaphos	0.01
Pymetrozine	0.02			Propoxycarbazone	0.01	Pyrethrins	0.05
Pyraclostrobin	0.01			Propyzamide	0.01	Pyridaben	0.01
Pyrazaphos	0.01			Proquinazid	0.01	Pyridaphenthion	0.01
Pyrethrins	0.05			Prosulfocarb	0.05	Pyrifenoxy I	0.01
Pyridaben	0.01			Prosulfuron	0.01	Pyrimethanil	0.01
Pyridaphenthion	0.01			Prothioconazole desthio	0.01	Pyriproxifen	0.01
Pyrifenoxy	0.02			Prothiofos	0.005	Quinalphos	0.01
Pyrimethanil	0.01			Pymetrozine	0.02	Quinclorac	0.01
Pyriproxifen	0.01			Pyraclostrobin	0.01	Quinoxifen	0.01
Quinalphos	0.01			Pyrazaphos	0.01	Quintozene	0.01
Quinclorac	0.01			Pyrethrins	0.05	Quizalofop	0.01
Quinoxifen	0.01			Pyridaben	0.005	Quizalofop-ethyl	0.01
Quintozene	0.01			Pyridaphenthion	0.01	Resmethrin	0.1
Quizalofop	0.02			Pyrifenoxy-I	0.01	Rimsulfuron	0.02
Quizalofop-ethyl	0.01			Pyrifenoxy-II	0.01	Rotenone	0.01
Resmethrin	0.1			Pyrimethanil	0.01	Silthiofam	0.01
Rimsulfuron	0.01			Pyriproxifen	0.01	Simazine	0.01
Rotenone	0.01			Quinalphos	0.01	Simetryn	0.01
Silthiofam	0.01			Quinclorac	0.01	Spinosyn A	0.01
Simazine	0.01			Quinoxifen	0.01	Spinosyn D	0.01
Simetryn	0.01			Quintozene	0.005	Spirodiclofen	0.01
Spinosyn A	0.01			Quizalofop	0.02	Spiromesifen	0.01
Spinosyn D	0.01			Quizalofop-ethyl	0.01	Spirotetramat	0.01
Spirodiclofen	0.01			Resmethrin	0.1	Spiroxamine	0.01
Spiromesifen	0.01			Rimsulfuron	0.01	Sulfentrazone	0.02
Spirotetramat	0.01			Rotenone	0.01	Sulfotep	0.01
Spiroxamine	0.01			Silthiofam	0.005	Sulprofos	0.01
Sulfentrazone	0.01			Simazine	0.01	Tebuconazole	0.01
Sulfotep	0.01			Simetryn	0.01	Tebufenozide	0.01

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Sulprofos	0.01			Spinosyn A	0.01	Tebufenpyrad	0.01
Tebuconazole	0.01			Spinosyn D	0.01	Tecnazene	0.01
Tebufenozide	0.01			Spirodiclofen	0.01	Teflubenzuron	0.01
Tebufenpyrad	0.01			Spiromesifen	0.01	Tefluthrin	0.01
Tecnazene	0.01			Spirotetramat	0.01	Terbufos	0.05
Teflubenzuron	0.01			Spiroxamine	0.01	Terbumeton	0.01
Tefluthrin	0.02			Sulfentrazone	0.01	Terbuthylazine	0.01
Terbufos	0.05			Sulfotep	0.01	Terbuthylazine-2-hydroxy	0.01
Terbumeton	0.01			Sulprofos	0.01	Terbuthylazine-desethyl	0.01
Terbuthylazine	0.01			Tebuconazole	0.01	Terbutryn	0.01
Terbuthylazine-2-hydroxy	0.01			Tebufenozide	0.01	Tetraconazole	0.01
Terbuthylazine-desethyl	0.01			Tebufenpyrad	0.01	Tetradifon	0.01
Terbutryn	0.01			Tecnazene	0.005	Tetramethrin	0.02
Tetraconazole	0.01			Teflubenzuron	0.01	Thiabendazole	0.01
Tetradifon	0.01			Tefluthrin	0.005	Thiacloprid	0.01
Tetramethrin	0.02			Terbufos	0.05	Thiamethoxam	0.01
Thiabendazole	0.01			Terbumeton	0.01	Thifensulfuron-methyl	0.01
Thiacloprid	0.02			Terbuthylazine	0.01	Thiobencarb	0.01
Thiamethoxam	0.01			Terbuthylazine-2-hydroxy	0.01	Thiodicarb	0.01
Thifensulfuron-methyl	0.05			Terbuthylazine-desethyl	0.01	Thionazin	0.01
Thiobencarb	0.01			Terbutryn	0.01	Thiophanate-Ethyl	0.01
Thiodicarb	0.01			Tetraconazole	0.005	Thiophanate-Methyl	0.01
Thionazin	0.02			Tetradifon	0.005	Tolclofos-methyl	0.01
Thiophanate-Ethyl	0.01			Tetramethrin-I	0.02	Tolyfluanid	0.01
Thiophanate-Methyl	0.01			Tetramethrin-II	0.02	Topramezone	0.01
Tolclofos-methyl	0.01			Thiabendazole	0.01	Triadimefon	0.01
Tolyfluanid	0.01			Thiacloprid	0.02	Triadimenol-I	0.01
Topramezone	0.01			Thiamethoxam	0.01	Tri-Allat	0.01
Triadimefon	0.01			Thifensulfuron-methyl	0.05	Triasulfuron	0.01
Triadimenol	0.01			Thiobencarb	0.01	Triazophos	0.01
Tri-Allat	0.01			Thiodicarb	0.01	Trichlorfon	0.02
Triasulfuron	0.01			Thionazin	0.02	Triclopyr	0.01
Triazophos	0.01			Thiophanate-Ethyl	0.01	Tricyclazole	0.01
Trichlorfon	0.02			Thiophanate-Methyl	0.01	Trifloxystrobin	0.01
Triclopyr	0.01			Tolclofos-methyl	0.005	Triflumizole	0.01
Tricyclazole	0.01			Tolyfluanid	0.005	Triflumuron	0.01
Trifloxystrobin	0.01			Topramezone	0.01	Trifluralin	0.01
Triflumizole	0.02			Triadimefon	0.005	Trisulfuron-methyl	0.01
Triflumuron	0.01			Triadimenol-I	0.02	Triticonazole	0.01
Trifluralin	0.01			Triadimenol-II	0.02	Vamidothion	0.01
Triflusulfuron-methyl	0.01			Tri-Allat	0.01	Vinclozolin	0.01
Triticonazole	0.01			Triasulfuron	0.01	Zoxamide	0.01
Vamidothion	0.01			Triazophos	0.01		
Vinclozolin	0.01			Trichlorfon	0.02		
Zoxamide	0.01			Triclopyr	0.01		
				Tricyclazole	0.01		

Fruits, Veggies, Cereals, Honey		Animal Fats		Milk		Infant Food	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
				Trifloxystrobin	0.01		
				Triflumizole	0.02		
				Triflumuron	0.01		
				Trifluralin	0.005		
				Triflurosulfuron-methyl	0.01		
				Triticonazole	0.01		
				Vamidothion	0.01		
				Vinclozolin	0.005		
				Zoxamide	0.01		
Amitraz method		Dithiocarbamate method		Glyphosate method		Chlormequat type method	
Standards	LOQ	Standards	LOQ	Standards	LOQ	Standards	LOQ
Amitraz	0.01	Dithiocarbamates	0.05	AMPA	0.08	Chlormequat	0.01
DMA	0.05			Ethephon	0.08	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	0.01
				N Acetyl glyphosate	0.08	Diquat	0.05

9.4 ANNEX IV Analytical results

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
SURVEILLANCE							
CITRUS FRUIT	Clementine	Argentina	850175	Azoxystrobin	0.036	15	
				Chlorpyrifos	0.035	2	
				Dithiocarbamates	0.15	5	
				Imazalil	0.46	5	
				Prochloraz	0.48	10	
				Pyrimethanil	1.3	10	
				Thiabendazole	0.23	5	
			850343	2,4-D	0.039	1	
				Azoxystrobin	1	15	
				DDAC	0.15	0.5	
				Imazalil	2.6	5	
				Imidacloprid	0.032	1	
				Prochloraz	1.6	10	
				Pyrimethanil	1.4	10	
				Thiabendazole	1.2	5	
		Morocco	77846	Chlorpyrifos	0.36	2	
				Imazalil	2.27	5	
				2-Phenylphenol	0.011	5	
				Imazalil	3.59	5	
			77887	Lambda-Cyhalothrin	0.017	0.2	
				Pyrimethanil	0.11	10	
				Imazalil	2.32	5	
				Thiabendazole	1.83	5	
			77908	Imazalil	1.29	5	
				Thiabendazole	0.098	5	
				Chlorpyrifos	0.035	2	
				Imazalil	1.5	5	
			77922	Malathion	0.011	0.02	
				2-Phenylphenol	0.73	5	
				Dicofol	0.024	0.02	MRL breach
				Imazalil	2.1	5	
		S Africa	850029	Fenazaquin	0.022	0.5	
				Hexythiazox	0.02	1	
				Imazalil	0.51	5	
				Pyrimethanil	0.19	10	
			850127	Chlorpyrifos	0.14	2	
				Imazalil	1.1	5	
				2-Phenylphenol	1.5	5	
				2,4-D	0.16	1	
			850352	Chlorpyrifos	0.03	2	
				Imazalil	1.7	5	
				2-Phenylphenol	0.041	5	
				Pyrimethanil	4.1	10	
			850356	Thiabendazole	1	5	
				2,4-D	0.064	1	
				Dithiocarbamates	0.076	5	
				Imazalil	3.6	5	
		S Africa	850403	Pyrimethanil	1	10	
				Thiabendazole	0.68	5	
				Trifloxystrobin	0.02	0.3	
				2,4-D	0.16	1	
			850426	Carbendazim	0.023	0.7	
				Dichlorprop	0.01	0.05	
				Imazalil	2	5	
				Pyrimethanil	3.3	10	
				Thiabendazole	0.35	5	
				2,4-D	0.068	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Cypermethrin	0.05	2	
				Imazalil	1.7	5	
			850427	Pyrimethanil	1.1	10	
				2,4-D	0.17	1	
				Chlorpyrifos	0.077	2	
				Imazalil	1.6	5	
				Pyrimethanil	1.4	10	
			850444	Thiabendazole	0.77	5	
				2,4-D	0.35	1	
				Imazalil	2.2	5	
				Triflumuron	0.072	1	
			850452	2,4-D	0.13	1	
				Imazalil	0.99	5	
				Imidacloprid	0.013	1	
				Pyrimethanil	1.3	10	
				Thiabendazole	0.33	5	
			850581	2,4-D	0.33	1	
				Azoxystrobin	0.068	15	
				Carbendazim	0.085	0.7	
				Imazalil	2	5	
				2-Phenylphenol	0.24	5	
				Pyrimethanil	1.8	10	
				Thiabendazole	2.1	5	
			850637	2,4-D	0.13	1	
				Carbendazim	0.025	0.7	
				Dithiocarbamates	0.13	5	
				Imazalil	3.8	5	
				Pyrimethanil	0.82	8	
			850643	2,4-D	0.056	1	
				Azoxystrobin	0.015	15	
				Dithiocarbamates	0.38	5	
				Imazalil	1	5	
				2-Phenylphenol	0.046	5	
				Pyrimethanil	0.21	8	
				Thiabendazole	0.44	5	
		Spain	77826	Chlorpyrifos	0.016	2	
				Imazalil	0.87	5	
				Pyriproxyfen	0.019	0.6	
			77853	Fenpyroximate	0.01	0.5	
				Imazalil	1	5	
				Propiconazole	0.053	6	
				Pyridaben	0.012	0.5	
				Thiabendazole	0.012	5	
			77930	Chlorpyrifos	0.021	2	
				Imazalil	1.41	5	
				Propiconazole	0.36	6	
				Pyriproxyfen	0.025	0.6	
			850689	Imazalil	3.9	5	
			850694	Chlorpyrifos	0.14	2	
				Imazalil	1.2	5	
				Pyriproxyfen	0.02	0.6	
			850711	Chlorpyrifos	0.02	2	
				Imazalil	1.1	5	
				Lambda-Cyhalothrin	0.014	0.2	
				2-Phenylphenol	0.18	5	
				Pyriproxyfen	0.05	0.6	
				Tebufenpyrad	0.046	0.5	
			850712	Chlorpyrifos	0.25	2	
				Imazalil	1.4	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Grapefruit	Cyprus	850751	2-Phenylphenol	0.26	5	
				Thiabendazole	0.011	5	
				Chlorpyrifos	0.07	2	
				Chlorpyrifos-Methyl	0.027	1	
			Imazalil	3	5		
			Propiconazole	0.74	6		
			Pyridaben	0.017	0.5		
			Thiabendazole	4.3	5		
			850774	Chlorpyrifos	0.094	2	
			Chlorpyrifos-Methyl	0.013	1		
			Imazalil	2.8	5		
			Propiconazole	0.011	6		
			Pyrimethanil	0.01	8		
			850776	Chlorpyrifos	0.15	2	
			Imazalil	2.6	5		
			850795	Chlorpyrifos	0.09	2	
			Chlorpyrifos-Methyl	0.02	1		
			Etofenprox	0.049	1		
			Fenpyroximate	0.021	0.5		
			Hexythiazox	0.014	1		
			Imazalil	1.2	5		
			Phosmet	0.024	0.5		
			850840	Etoxazole	0.014	0.1	
			Imazalil	2.4	5		
			2-Phenylphenol	0.024	5		
			850874	Chlorpyrifos	0.01	2	
			Imazalil	2.1	5		
			Pyriproxyfen	0.039	0.6		
			850875	Chlorpyrifos	0.082	2	
			Imazalil	1.8	5		
			850130	Chlorpyrifos	0.18	0.3	
			Imazalil	1.6	5		
			2-Phenylphenol	1.8	5		
			Pyriproxyfen	0.016	0.6		
			Thiabendazole	1.1	5		
		Israel	77832	2,4-D	0.038	1	
			Imazalil	2.42	5		
			Pyrimethanil	0.024	10		
			Thiabendazole	0.77	5		
		S Africa	850319	2,4-D	0.097	1	
			Chlorpyrifos	0.022	0.3		
			Imazalil	1.8	5		
			Pyraclostrobin	0.045	1		
			Pyriproxyfen	0.02	0.6		
			Trifloxystrobin	0.015	0.3		
			850424	2,4-D	0.077	1	
			Chlorfenapyr	0.016	0.01	MRL breach	
			Chlorpyrifos	0.022	0.3		
			Imazalil	2.8	5		
			Thiabendazole	0.065	5		
			Trifloxystrobin	0.036	0.3		
			850451	Dithiocarbamates	0.08		5
			Imazalil	3.1	5		
			Imidacloprid	0.033	1		
		Thiabendazole	0.39	5			
		Turkey	77858	None detected	0	0	Canned
			77913	Chlorpyrifos	0.091	0.3	
			Imazalil	0.25	5		
			Prochloraz	0.01	10		

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE		
			77964	Pyriproxyfen	0.037	0.6			
				Thiabendazole	0.086	5			
				Acetamiprid	0.039	1			
				Chlorpyrifos	0.049	0.3			
				Imazalil	0.19	5			
				2-Phenylphenol	0.059	5			
				Pyrimethanil	0.011	10			
			850093	Thiabendazole	0.015	5			
				Acetamiprid	0.045	1			
				Chlorpyrifos	0.095	0.3			
				Imazalil	1.1	5			
				2-Phenylphenol	0.066	5			
				Prochloraz	0.85	10			
				Pyrimethanil	0.41	10			
			850129	Pyriproxyfen	0.013	0.6			
				Thiabendazole	0.077	5			
				Acetamiprid	0.016	1			
				Chlorpyrifos	0.052	0.3			
				Cypermethrin	0.048	2			
				Imazalil	0.77	5			
				2-Phenylphenol	0.083	5			
			850186	Prochloraz	1.2	10			
				Pyrimethanil	0.49	10			
				Pyriproxyfen	0.01	0.6			
				Thiabendazole	0.078	5			
				Chlorpyrifos	0.046	0.3			
				Dithiocarbamates	0.1	5			
				Fenvalerate	0.011	0.02			
			850243	Imazalil	0.075	5			
				Prochloraz	0.63	10			
				Propiconazole	0.049	6			
				Thiabendazole	0.22	5			
				Acetamiprid	0.022	1			
				Chlorpyrifos	0.11	0.3			
				Imazalil	0.73	5			
			Unknown	Thiabendazole	0.12	5			
				850791	None detected	0	0	Canned	
				850884	None detected	0	0	Canned	
				United States	850860	None detected	0	0	Processed
			850890		Imazalil	0.06	5	Processed	
			Unknown	Thiabendazole	0.034	5			
				77862	Imazalil	0.01	5	Processed	
				Thiabendazole	0.011	5			
				S Africa	850769	None detected	0	0	Processed
			850395		2,4-D	0.32	1		
Lemon				Buprofezin	0.018	1			
				Fenpyroximate	0.043	0.5			
				Imazalil	0.27	5			
				Imidacloprid	0.012	1			
				Pyrimethanil	1.8	10			
				Pyriproxyfen	0.018	0.6			
				Thiabendazole	0.25	5			
				Spain	77851	Chlorpyrifos	0.019	0.2	
					Imazalil	0.17	5		
					Pyriproxyfen	0.024	0.6		
				77932	Chlorpyrifos	0.013	0.2		
					Hexythiazox	0.01	1		
					Imazalil	2.87	5		
					Propiconazole	0.074	6		

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE		
	Limes	Turkey	850059	Pyriproxyfen	0.063	0.6			
				Chlorpyrifos	0.063	0.2			
				Fenpyroximate	0.019	0.5			
				Hexythiazox	0.016	1			
				Imazalil	0.36	5			
				Metalaxyl	0.024	0.5			
				Propiconazole	0.022	6			
				Pyriproxyfen	0.044	0.6			
			850174	Dithiocarbamates	0.24	5			
				Prochloraz	0.086	10			
				Propiconazole	0.59	6			
				Chlorpyrifos	0.13	0.2			
				Imazalil	2.4	5			
				Pyridaben	0.012	0.5			
		Brazil	77886	Pyriproxyfen	0.036	0.6			
				Thiabendazole	1.03	5			
				Chlorpyrifos	0.05	0.2			
				Imazalil	0.85	5			
				Pyriproxyfen	0.016	0.6			
				Thiabendazole	0.51	5			
		850710		2,4-D	0.021	1			
				Imazalil	0.98	5			
				Thiabendazole	0.17	5			
				Mexico	850094	Imazalil	0.053	5	
						2,4-D	0.32	1	
						Imazalil	2.3	5	
		850140		Pyraclostrobin		0.023	1		
				Imazalil		0.6	5		
			Thiabendazole	0.38		5			
		Mandarin	Israel	850358	Imazalil	4.2	5		
					Imazalil	1.4	5		
					Thiabendazole	0.4	5		
					2,4-D	0.1	1		
					Imazalil	3.2	5		
	Morocco			850001	Pyriproxyfen	0.031	0.6		
					Thiabendazole	3.2	5		
					Chlorpyrifos	0.013	2		
					Imazalil	0.82	5		
					Thiabendazole	0.32	5		
	Spain	850121	Fludioxonil	2.4	10				
			Imazalil	0.071	5				
			2-Phenylphenol	1.7	5				
			Primethanil	0.064	10				
			Thiabendazole	0.47	5				
			Chlorpyrifos	0.11	2				
			Etofenprox	0.017	1				
			Imazalil	1.15	5				
			Thiabendazole	0.074	5				
			850043	Chlorpyrifos	0.02	2			
				Imazalil	2	5			
				Thiabendazole	0.055	5			
			Turkey	850060	Acetamiprid	0.079	1		
					Bifenthrin	0.038	0.1		
					Chlorpyrifos	0.054	2		
	Imazalil	0.42			5				
	Prochloraz	0.62			10				
	Pyrimethanil	0.18			10				
	Pyriproxyfen	0.012			0.6				
	Tau-Fluvalinate	0.074			0.1				

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
		Unknown	850792	Thiabendazole	0.014	5	
			850879	Imazalil	0.027	5	Canned
				None detected	0	0	Canned
		Uruguay	850425	2,4-D	0.019	1	
				Imazalil	1.4	5	
				2-Phenylphenol	0.41	5	
				Prochloraz	0.41	10	
				Pyrimethanil	0.22	10	
	Minneola	Peru	850522	2,4-D	0.34	1	
				Fenazaquin	0.027	0.5	
				Imazalil	2.2	5	
				Pyrimethanil	0.057	10	
	Orange	Egypt	850030	Thiabendazole	2.5	5	
				Imazalil	1.9	5	
				Lambda-Cyhalothrin	0.01	0.2	
				2-Phenylphenol	1.4	5	
				Pirimiphos-Methyl	0.033	1	
				Thiabendazole	1.5	5	
			850244	Imazalil	1.5	5	
				2-Phenylphenol	0.55	5	
				Thiabendazole	0.32	5	
			850340	None detected	0	0	Organic
			850752	Azoxystrobin	0.042	15	
				Chlorpyrifos	0.077	0.3	
				Imazalil	0.43	5	
				Pyraclostrobin	0.021	2	
				Pyrimethanil	1	8	
				Thiabendazole	0.71	5	
		Greece	77961	None detected	0	0	Organic
		Morocco	850092	Chlorpyrifos	0.091	0.3	
				Imazalil	2.6	5	
				2-Phenylphenol	0.65	5	
		S Africa	850453	2,4-D	0.031	1	
				Carbendazim	0.094	0.2	
				Imazalil	1.8	5	
				Imidacloprid	0.018	1	
				Thiabendazole	0.24	5	
			850458	2,4-D	0.44	1	
				Fenpropathrin	0.032	2	
				Imazalil	2.8	5	
				Pyrimethanil	2.4	10	
				Pyriproxyfen	0.02	0.6	
				Thiabendazole	1.2	5	
			850524	2,4-D	0.15	1	
				Dithiocarbamates	0.07	5	
				Imazalil	1.5	5	
				Pyraclostrobin	0.02	2	
				Pyrimethanil	0.093	10	
				Thiabendazole	1.3	5	
			850580	2,4-D	0.064	1	
				Buprofezin	0.012	1	
				Imazalil	1.7	5	
				Pyrimethanil	0.013	10	
				Pyriproxyfen	0.029	0.6	
				Trifloxystrobin	0.018	0.3	
			850638	2,4-D	0.018	1	
				Chlorpyrifos	0.035	0.3	
				Dithiocarbamates	0.09	5	
				Imazalil	3.4	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850695	Imidacloprid	0.049	1	
				Thiabendazole	0.23	5	
				2,4-D	0.27	1	
				Chlorfenapyr	0.01	0.01	
				Imazalil	1.2	5	
				Imidacloprid	0.039	1	
				Pyrimethanil	2	8	
				Pyriproxyfen	0.013	0.6	
				Thiabendazole	0.31	5	
			850731	Carbendazim	0.13	0.2	
				Dithiocarbamates	0.36	5	
				Imazalil	0.66	5	
				Methidathion	0.031	0.02	
				Pyraclostrobin	0.043	2	
				Pyrimethanil	7.4	8	
				Chlorpyrifos	0.14	0.3	
				Imazalil	1.81	5	
				Lambda-Cyhalothrin	0.012	0.2	
				Pyriproxyfen	0.016	0.6	
		Spain	77830	Thiabendazole	0.051	5	
				Chlorpyrifos	0.29	0.3	
				Imazalil	1.06	5	
				Imidacloprid	0.051	1	
				Pyriproxyfen	0.015	0.6	
			77907	Chlorpyrifos	0.09	0.3	
				Imazalil	3.22	5	
				2-Phenylphenol	0.035	5	
				Pyriproxyfen	0.013	0.6	
				Thiabendazole	3.76	5	
			850035	Chlorpyrifos	0.055	0.3	
				Imazalil	0.79	5	
			850046	Chlorpyrifos	0.01	0.3	
				Imazalil	0.86	5	
				Propiconazole	0.27	6	
			850125	Chlorpyrifos	0.051	0.3	
				Imazalil	1.9	5	
				Propiconazole	0.85	6	
				Thiabendazole	0.02	5	
			850126	Chlorpyrifos	0.071	0.3	
				Imazalil	0.59	5	
			850169	None detected	0	0	Organic
				Chlorpyrifos	0.022	0.3	
				Imazalil	0.77	5	
				2-Phenylphenol	0.092	5	
			850841	Chlorpyrifos	0.087	0.3	
				Imazalil	0.8	5	
	Orange Juice	United States	850854	None detected	0	0	Processed
			Unknown	Imazalil	0.016	5	
				2-Phenylphenol	0.031	5	
				Thiabendazole	0.02	5	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
	Pomelo	China	77955	None detected	0	0	Processed
				Acetamiprid	0.017	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
	Satsuma	Peru	850226	Buprofezin	0.048	1		
				Chlorpyrifos	0.011	0.3		
				Myclobutanyl	0.078	3		
				Prochloraz	0.016	10		
				Pyraclostrobin	0.026	1		
			Fenpropathrin	0.016	2			
			Imazalil	1.6	5			
			2-Phenylphenol	1.6	5			
			Thiabendazole	1.1	5			
			850283	2,4-D	0.43	1		
				Fenpropathrin	0.026	2		
				Hexythiazox	0.039	1		
				Imazalil	2.4	5		
				Pyrimethanil	2.3	10		
			850369	Thiabendazole	1.5	5		
				2,4-D	0.36	1		
				Azoxystrobin	0.011	15		
				Fenpropathrin	0.054	2		
				Hexythiazox	0.02	1		
			S Africa	850176	Imazalil	1.2	5	
					Pyrimethanil	0.5	10	
					Thiabendazole	1.5	5	
					2,4-D	0.41	1	
					Fenpropathrin	0.032	2	
				850224	Imazalil	2.3	5	
					2-Phenylphenol	0.019	5	
					Pyrimethanil	0.25	10	
					Pyriproxyfen	0.015	0.6	
					Thiabendazole	3.4	5	
				850271	2,4-D	0.25	1	
					Imazalil	2	5	
					Imidacloprid	0.024	1	
					Pyrimethanil	1.1	10	
					Thiabendazole	2.1	5	
			2,4-D		0.41	1		
		Dithiocarbamates	0.1		5			
		Imazalil	2.4		5			
		Imidacloprid	0.039		1			
		Pyrimethanil	4		10			
		Spain	850271	Thiabendazole	2.2	5		
				2,4-D	0.32	1		
				Imazalil	2.7	5		
				Imidacloprid	0.03	1		
				Iprodione	0.011	1		
			850354	Methoxyfenozide	0.022	1		
				Triflumuron	0.012	1		
				2,4-D	0.12	1		
				Azoxystrobin	0.013	15		
				Imazalil	0.66	5		
				Imidacloprid	0.015	1		
				Thiabendazole	1.3	5		
				Chlorpyrifos	0.085	2		
		United States	Imazalil	1	5			
			Pyriproxyfen	0.01	0.6			
			2,4-D	0.071	1			
			Imazalil	2.1	5			
			2-Phenylphenol	0.28	5			
				Prochloraz	0.27	10		

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
POME FRUIT	Apple	Argentina	850264	Chlorantraniliprole	0.02	0.5	
				Fludioxonil	0.27	5	
			850368	Chlorantraniliprole	0.019	0.5	
				Fenhexamid	0.012	0.05	
				Lambda-Cyhalothrin	0.011	0.1	
		Bolivia	850286	Acetamiprid	0.016	0.8	
				Chlorpyrifos	0.034	0.5	
				Dithiocarbamates	0.44	5	
				Phosmet	0.035	0.2	
		Brazil	850131	Acetamiprid	0.01	0.8	
				Phosmet	0.038	0.2	
			850189	Acetamiprid	0.013	0.8	
				Dithiocarbamates	0.31	5	
				Dodine	0.011	5	
				Fenitrothion	0.017	0.01	
		Chile	850251	Phosmet	0.028	0.2	
				Prochloraz	0.016	0.05	
				Pyraclostrobin	0.012	0.5	
				Tebuconazole	0.027	1	
				Trifloxystrobin	0.016	0.5	
			850285	Acetamiprid	0.066	0.8	
				Acetamiprid	0.02	0.8	
			850293	Captan	0.027	3	
				Dithiocarbamates	0.6	5	
				Chlorpyrifos	0.019	0.5	
				Dithiocarbamates	1.39	5	
			850322	Phosmet	0.016	0.2	
				Pyraclostrobin	0.019	0.5	
				Acetamiprid	0.044	0.8	
				Dodine	0.012	5	
		France	850193	Lambda-Cyhalothrin	0.014	0.1	
				Dithiocarbamates	0.06	5	
				Pyrimethanil	0.22	5	
				Methoxyfenozide	0.039	2	
		France	850270	Acetamiprid	0.088	0.8	
				Pyrimethanil	0.3	5	
			850371	Acetamiprid	0.022	0.8	
				Methoxyfenozide	0.043	2	
			77825	Boscalid	0.027	2	
				Chlorpyrifos	0.014	0.5	
				Pyraclostrobin	0.018	0.5	
				Fludioxonil	0.011	5	
			77831	Boscalid	0.018	2	
				Fludioxonil	0.029	5	
				Pyraclostrobin	0.01	0.5	
			77888	Boscalid	0.017	2	
				Imazalil	0.01	2	
				Pyraclostrobin	0.013	0.5	
				Fludioxonil	0.041	5	
		France	77909	Dodine	0.016	5	
				Fludioxonil	0.011	5	
			77931	Fludioxonil	0.088	5	
				Fludioxonil	0.064	5	
			77933	Thiabendazole	0.013	5	
				Chlorpyrifos	0.057	0.5	
			77944	Spirodiclofen	0.01	0.8	
				Thiacloprid	0.019	0.3	
			77945	Boscalid	0.091	2	
				Cyprodinil	0.27	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE				
				Difenoconazole	0.01	0.5					
				Dithiocarbamates	0.06	5					
				Fludioxonil	0.079	5					
				Pyraclostrobin	0.044	0.5					
				77971	Boscalid	0.026		2			
				Chlorpyrifos	0.01	0.5					
				Pyraclostrobin	0.011	0.5					
				850004	None detected	0		0			
				850019	Chlorpyrifos	0.016		0.5			
				Fludioxonil	0.026	5					
				850047	Fludioxonil	0.098		5			
				850062	Fludioxonil	0.085		5			
				850103	Thiacloprid	0.02		0.3			
				850104	Captan	0.21		3			
				Fludioxonil	0.14	5					
				850132	Acetamiprid	0.015		0.8			
				Boscalid	0.028	2					
				Fludioxonil	0.031	5					
				Pyraclostrobin	0.015	0.5					
				850373	Boscalid	0.071		2			
				Fludioxonil	0.14	5					
				Pyraclostrobin	0.04	0.5					
				850693	Captan	0.11		3			
				850775	Fludioxonil	0.043		5			
				850798	Fludioxonil	0.02		5			
				New Zealand	850313	None detected		0	0		
				850446	None detected	0		0			
				S Africa	850178	Deltamethrin		0.011	0.2		
				Dithiocarbamates	0.06	5					
				850255	Indoxacarb	0.03		0.5			
				UK	77970	Bupirimate		0.011	0.2		
				Chlorpyrifos	0.024	0.5					
				Metalaxyl	0.23	1					
				850036	Bupirimate	0.01		0.2			
				Chlorpyrifos	0.059	0.5					
				Metalaxyl	0.11	1					
				Pyraclostrobin	0.025	0.5					
				850039	Boscalid	0.13		2			
				Pyraclostrobin	0.075	0.5					
				850040	None detected	0		0			
				Apple Juice	UK	77863		None detected	0	0	Processed
				77865	None detected	0		0	Processed		
				United States	850861	None detected		0	0	Processed	
				Unknown	77861	None detected		0	0	Processed	
				850767	None detected	0		0	Processed		
				850770	None detected	0		0	Processed		
				850857	None detected	0		0	Processed		
				850886	Pyrimethanil	0.017		7	Processed		
				850887	Pyrimethanil	0.024		7	Processed		
				Apples Cooking	Ireland	850005		Pyrimethanil	0.026	5	
				850379	None detected	0		0			
				850423	None detected	0		0			
				850852	Boscalid	0.013		2			
				Difenoconazole	0.01	0.5					
				UK	850560	Boscalid		0.018	2		
				Chlorpyrifos	0.014	0.5					
				Pear	Argentina	850089		None detected	0	0	Organic
				Belgium	77934	Boscalid		0.12	2		

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Pyraclostrobin	0.069	0.5	
				Spirodiclofen	0.018	0.8	
			78005	Boscalid	0.034	2	
				Cyprodinil	0.18	1	
				Fludioxonil	0.085	5	
				Pyraclostrobin	0.026	0.5	
			850063	Chlormequat	0.083	0.1	
				Imazalil	0.65	2	
				Pyrimethanil	0.34	5	
		Chile	850137	Chlorantraniliprole	0.017	0.5	
				Thiabendazole	2.1	5	
			850232	Acetamiprid	0.029	0.8	
				Pyrimethanil	0.8	5	
			850372	Acetamiprid	0.062	0.8	
				Methoxyfenozide	0.083	2	
				Pyrimethanil	0.055	5	
		Portugal	77852	Chlorpyrifos	0.12	0.5	
				Difenoconazole	0.02	0.5	
				Imazalil	0.54	2	
				Thiacloprid	0.043	0.3	
				Trifloxystrobin	0.05	0.5	
			77877	Folpet	0.65	3	
				Imazalil	0.9	2	
				Imidacloprid	0.01	0.5	
				Thiacloprid	0.08	0.3	
				Trifloxystrobin	0.01	0.5	
			77943	Dithiocarbamates	0.15	5	
				Folpet	1.31	3	
				Imazalil	0.61	2	
			77946	Dithiocarbamates	0.32	5	
				Folpet	0.3	3	
				Imazalil	0.57	2	
				Lambda-Cyhalothrin	0.011	0.1	
				Phosmet	0.018	0.2	
				Thiacloprid	0.048	0.3	
			78003	Boscalid	0.046	2	
				Chlorpyrifos	0.015	0.5	
				Imazalil	0.71	2	
				Phosmet	0.013	0.2	
				Pyraclostrobin	0.018	0.5	
				Tebuconazole	0.057	1	
			850002	Boscalid	0.066	2	
				Folpet	0.011	3	
				Pyraclostrobin	0.035	0.5	
				Thiacloprid	0.052	0.3	
				Trifloxystrobin	0.012	0.5	
			850026	Dithiocarbamates	0.27	5	
				Folpet	0.48	3	
				Imazalil	0.41	2	
				Thiacloprid	0.033	0.3	
			850048	Diflubenzuron	0.027	5	
				Folpet	0.42	3	
				Imazalil	0.43	2	
				Imidacloprid	0.05	0.5	
				Lambda-Cyhalothrin	0.012	0.1	
				Tebuconazole	0.018	1	
				Thiabendazole	0.82	5	
				Thiacloprid	0.029	0.3	
			850071	Boscalid	0.24	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850095	Carbendazim	0.081	0.2	
				Folpet	0.36	3	
				Imazalil	1.7	2	
				Pyraclostrobin	0.13	0.5	
				Tebuconazole	0.013	1	
				Dithiocarbamates	0.1	5	
				Folpet	0.021	3	
				Imidacloprid	0.076	0.5	
				Thiacloprid	0.16	0.3	
				Trifloxystrobin	0.027	0.5	
			850108	Boscalid	0.07	2	
				Chlorpyrifos	0.013	0.5	
				Difenoconazole	0.016	0.5	
				Dithiocarbamates	0.57	5	
				Folpet	0.71	3	
				Imazalil	0.35	2	
				Imidacloprid	0.02	0.5	
				Kresoxim-Methyl	0.017	0.2	
				Lambda-Cyhalothrin	0.027	0.1	
				Pyraclostrobin	0.038	0.5	
				Tebuconazole	0.032	1	
				Trifloxystrobin	0.019	0.5	
			850191	Chlorpyrifos	0.032	0.5	
				Diphenylamine	0.066	0.1	
				Imazalil	0.98	2	
				Tebuconazole	0.035	1	
				Trifloxystrobin	0.022	0.5	
			850290	Boscalid	0.092	2	
				Dithiocarbamates	0.82	5	
				Fluquinconazole	0.01	0.2	
				Folpet	0.96	3	
				Imazalil	0.32	2	
				Pyraclostrobin	0.031	0.5	
				Trifloxystrobin	0.021	0.5	
		S Africa	77840	None detected	0	0	Canned
			850097	Chlorantraniliprole	0.012	0.5	
				Dithiocarbamates	0.29	5	
				Iprodione	0.034	5	
			850102	Chlorantraniliprole	0.018	0.5	
			850173	Dithiocarbamates	0.19	5	
				Dithiocarbamates	0.06	5	
				Fludioxonil	0.35	5	
			850252	Chlorantraniliprole	0.02	0.5	
			850324	Chlorantraniliprole	0.1	0.5	
		UK	850041	None detected	0	0	
		Unknown	850881	None detected	0	0	
		Unknown	850856	None detected	0	0	
	Pear Juice						Processed
STONE FRUIT	Apricots	Spain	850272	Difenoconazole	0.075	0.5	
				Trifloxystrobin	0.029	1	
			850464	Difenoconazole	0.02	0.5	
				Fenbuconazole	0.014	1	
				Tebuconazole	0.04	1	
	Cherry	Chile	77966	Iprodione	0.87	3	
				Tebuconazole	0.73	5	
		Ireland	850348	None detected	0	0	
			850414	None detected	0	0	
	Nectarine	Spain	850263	Dodine	0.058	5	
		Chile	78001	Iprodione	1.1	3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
	Peach	S Africa	77910	Methoxyfenozide	0.012	0.3	MRL breach	
				Propiconazole	0.015	0.2		
				Tebuconazole	0.2	1		
				Chlorfenapyr	0.04	0.01		
				Iprodione	0.12	3		
				Pyrimethanil	0.19	10		
			850799	Iprodione	0.32	3		
			850877	Azoxystrobin	0.03	2		
			Spain	Iprodione	0.56	3		
				850241	Chlorothalonil	0.035		1
				850375	Cyprodinil	0.076		2
					Dithiocarbamates	0.13		2
					Fludioxonil	0.016		7
					Iprodione	0.012		3
					Propiconazole	0.032		0.2
			850447	Cyprodinil	0.59	2		
				Fludioxonil	0.3	7		
			850459	Fludioxonil	0.038	7		
				Phosmet	0.014	1		
			Greece	77841	None detected	0	0	Canned
			S Africa	77829	Fenbuconazole	0.036	0.5	
					Fludioxonil	0.17	7	
			Spain		Iprodione	0.62	3	
					Pyrimethanil	0.29	10	
				850876	Acetamiprid	0.097	0.7	
					Fludioxonil	0.023	10	
					Lambda-Cyhalothrin	0.017	0.2	
					Spinosad	0.014	1	
		850242		Chlorothalonil	0.2	1		
				Clothianidin	0.025	0.1		
				Flonicamid	0.12	0.3		
		850269		Imazalil	0.011	0.05		
		Spain		Phosmet	0.18	1		
				Tebuconazole	0.01	1		
			850284	Cyprodinil	0.04	2		
				Fludioxonil	0.016	7		
				Iprodione	0.021	3		
			850288	Spinosad	0.01	1		
			850357	None detected	0	0		
			850370	Cyprodinil	0.18	2		
				Fludioxonil	0.13	7		
				Iprodione	0.17	3		
		Unknown		Spinosad	0.012	1		
			850399	Fenbuconazole	0.012	0.5		
				Spinosad	0.01	1		
			850445	Cyprodinil	0.11	2		
				Fludioxonil	0.082	7		
				Iprodione	0.13	3		
				Tebuconazole	0.023	1		
850793	None detected		0	0	Canned			
850880	None detected		0	0	Canned			
Plum	Chile		850220	None detected	0	0		
	S Africa	77849	Iprodione	0.09	3			
			Pyrimethanil	0.21	3			
		77912	Iprodione	0.022	3			
			Pyrimethanil	0.18	3			
	850031	Imazalil	0.013	0.05				
		Iprodione	0.21	3				
		Pyrimethanil	0.11	3				

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BERRIES	Prune		850045	Fenbuconazole	0.012	0.5	
				Iprodione	0.14	3	
			850064	Fludioxonil	0.28	0.5	
				Iprodione	0.048	3	
			850065	Azoxystrobin	0.013	2	
				Iprodione	0.1	3	
			850133	Fenbuconazole	0.013	0.5	
				Iprodione	0.18	3	
		Spain	850268	None detected	0	0	
			850289	None detected	0	0	
			850349	None detected	0	0	
		Unknown	850794	Iprodione	0.025	3	Canned
		Unknown	77842	None detected	0	0	Canned
	Table Grape	Argentina	77959	None detected	0	0	
		Brazil	850732	Difenoconazole	0.097	0.5	
				Dimethomorph	0.35	3	
				Imidacloprid	0.02	1	
		Chile	850034	Fenhexamid	0.25	5	
				Pyrimethanil	0.019	5	
				Tebuconazole	0.044	2	
			850067	Fenhexamid	0.36	5	
			850123	Ethephon	0.05	0.7	
				Imidacloprid	0.049	1	
			850188	Boscalid	0.03	5	
				Ethephon	0.065	0.7	
				Fenarimol	0.011	0.3	
				Fenhexamid	0.86	5	
				Imidacloprid	0.38	1	
				Indoxacarb	0.086	2	
			850287	Cyfluthrin	0.042	0.3	
				Cyprodinil	0.02	5	
				Fenhexamid	0.39	5	
				Fludioxonil	0.012	5	
				Imidacloprid	0.14	1	
				Tebuconazole	0.06	2	
				Trifloxystrobin	0.045	5	
			850334	Fenhexamid	0.7	5	
				Imidacloprid	0.14	1	
		Egypt	850312	Imidacloprid	0.014	1	
			850366	Cyprodinil	0.019	5	
				Fenhexamid	0.94	5	
				Myclobutanil	0.16	1	
				Penconazole	0.018	0.2	
			850430	Azoxystrobin	0.01	2	
				Fenhexamid	0.02	5	
		India		Iprodione	0.13	10	
			77972	Chlorpyrifos	0.01	0.5	
				Triadimenol	0.014	2	
			850091	Azoxystrobin	0.023	2	
				Lambda-Cyhalothrin	0.014	0.2	
				Tetraconazole	0.011	0.5	
			850135	Chlormequat	0.036	0.05	
				Clothianidin	0.018	0.7	
				Fenpyroximate	0.031	0.3	
				Lambda-Cyhalothrin	0.01	0.2	
				Tebuconazole	0.014	2	
				Tetraconazole	0.01	0.5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Thiabendazole	0.023	0.05	
				Triadimenol	0.015	2	
			850172	Lambda-Cyhalothrin	0.043	0.2	
				Myclobutanyl	0.023	1	
				Tetraconazole	0.084	0.5	
			850227	Acetamiprid	0.016	0.5	
				Buprofezin	0.013	1	
				Chlormequat	0.01	0.05	
				Imazalil	0.016	0.05	
				Iprovalicarb	0.084	2	
				Kresoxim-Methyl	0.025	1	
				Mandipropamid	0.068	2	
				Myclobutanyl	0.019	1	
				2-Phenylphenol	0.019	0.05	
				Pyraclostrobin	0.056	1	
				Tetraconazole	0.036	0.5	
				Thiabendazole	0.013	0.05	
		Italy	850690	Dimethomorph	0.14	3	
				Spiroxamine	0.092	1	
		Peru	850797	Boscalid	0.014	5	
				Difenoconazole	0.011	0.5	
				MetrafeNone detected	0.021	5	
				Myclobutanyl	0.04	1	
				Trifloxystrobin	0.049	5	
		S Africa	77827	Fluopyram	0.25	1.5	
				Quinoxifen	0.018	1	
			77885	Boscalid	0.012	5	
				Ethephon	0.27	0.7	
			77911	Cyprodinil	0.016	5	
				Ethephon	0.23	0.7	
				Fluopyram	0.64	1.5	
				Quinoxifen	0.043	1	
			77928	Ethephon	0.14	0.7	
				Fluopyram	0.21	1.5	
				Thiabendazole	0.012	0.05	
			78000	Indoxacarb	0.084	2	
			850044	Fenhexamid	0.013	5	
				Fluopicolide	0.017	2	
				Fluopyram	0.15	1.5	
				Indoxacarb	0.013	2	
				Quinoxifen	0.016	1	
				Tetraconazole	0.013	0.5	
			850136	Azoxystrobin	0.12	2	
				Ethephon	0.047	0.7	
				Fluopicolide	0.03	2	
				Fluopyram	0.21	1.5	
		Spain	850523	Cyproconazole	0.022	0.2	
				Cyprodinil	0.24	5	
				Fludioxonil	0.15	5	
				Iprodione	0.16	10	
				Lambda-Cyhalothrin	0.011	0.2	
				Metalaxyl	0.022	2	
				Pyrimethanil	0.043	5	
				Trifloxystrobin	0.044	5	
			850674	Ethephon	0.3	0.7	
				Myclobutanyl	0.022	1	
				Spirotetramat	0.033	2	
				Trifloxystrobin	0.016	5	
			850691	Azoxystrobin	0.043	2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Wine Grape	Australia	850050	Boscalid	0.061	5	Processed
				Cyazofamid	0.013	0.9	
				Cyprodinil	0.26	5	
				Deltamethrin	0.017	0.2	
				Dimethomorph	0.12	3	
				Ethephon	0.041	0.7	
				Fludioxonil	0.12	5	
				Iprodione	0.58	10	
				Lambda-Cyhalothrin	0.013	0.2	
				Trifloxystrobin	0.08	5	
		Chile	850051	None detected	0	0	
				Metalaxyl	0.024	1	
				Metalaxyl	0.038	1	
				Fenhexamid	0.018	5	
				Iprodione	0.021	10	
				Methoxyfenozide	0.017	1	
		France	850054	None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				Fludioxonil	0.013	4	
		New Zealand	850053	Iprovalicarb	0.029	2	
				Boscalid	0.033	5	
	Strawberry	United States	850055	Boscalid	0.031	5	
				Methoxyfenozide	0.025	1	
		Belgium	850221	Boscalid	0.19	10	
				Dimethomorph	0.019	0.7	
				Penconazole	0.05	0.5	
				Pyraclostrobin	0.038	1.5	
		China	850714	Boscalid	0.5	10	
				Fenhexamid	0.45	5	
				Kresoxim-Methyl	0.045	1	
				Myclobutanyl	0.052	1	
				Pyraclostrobin	0.091	1.5	
				Quinoxifen	0.071	0.3	
				Trifloxystrobin	0.048	1	
		Ireland	850757	Boscalid	0.61	10	
				Fenhexamid	0.63	5	
				Hexythiazox	0.038	0.5	
				Kresoxim-Methyl	0.018	1	
				Mepanipyrim	0.053	1.5	
				Myclobutanyl	0.022	1	
				Penconazole	0.035	0.5	
				Pymetrozine	0.021	0.5	
				Pyraclostrobin	0.14	1.5	
				Quinoxifen	0.017	0.3	
		Ireland	850267	Thiacloprid	0.024	1	
				Trifloxystrobin	0.072	1	
				Omethoate	0.018	0.02	Canned
				Boscalid	0.21	10	
				Chlorothalonil	0.023	5	
				Fenhexamid	1.7	5	
				Iprodione	1.1	15	
				Pirimicarb	0.22	3	
				Pyraclostrobin	0.032	1.5	
				Thiacloprid	0.068	1	
		Ireland	850267	Boscalid	0.017	10	
				Bupirimate	0.022	1	
				Fenhexamid	0.22	5	
				Myclobutanyl	0.029	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850308	Pyrimethanil	0.32	5	
				Azoxystrobin	0.018	10	
				Boscalid	1.1	10	
				Bupirimate	0.017	1	
				Fenhexamid	0.49	5	
				Iprodione	0.36	15	
				Mepanipyrim	0.49	1.5	
				Myclobutanyl	0.012	1	
				Pyraclostrobin	0.23	1.5	
				Pyrimethanil	0.038	5	
				Spinosad	0.011	0.3	
				Thiacloprid	0.18	1	
			850316	Boscalid	0.064	10	
				Iprodione	0.029	15	
				Mepanipyrim	0.014	1.5	
				Pyraclostrobin	0.011	1.5	
			850398	Cyprodinil	0.061	5	
				Fludioxonil	0.082	3	
				Iprodione	0.056	15	
				Kresoxim-Methyl	0.062	1	
				Myclobutanyl	0.15	1	
				Pyrimethanil	1.3	5	
				Quinoxifen	0.032	0.3	
			850429	Azoxystrobin	0.058	10	
				Boscalid	0.26	10	
				Bupirimate	0.084	1	
				Ethirimol	0.01	0.2	
				Mepanipyrim	0.12	1.5	
				Myclobutanyl	0.049	1	
				Pirimicarb	0.073	3	
				Pyraclostrobin	0.064	1.5	
				Pyrimethanil	0.22	5	
				Quinoxifen	0.018	0.3	
			850465	Azoxystrobin	0.033	10	
				Fenhexamid	0.067	5	
				Iprodione	0.087	15	
				Myclobutanyl	0.026	1	
				Quinoxifen	0.016	0.3	
			850519	Azoxystrobin	1.3	10	
				Boscalid	0.033	10	
				Fludioxonil	0.011	4	
				Iprodione	0.61	15	
				Myclobutanyl	0.075	1	
				Pirimicarb	0.18	3	
				Pyrimethanil	3.6	5	
				Thiacloprid	0.025	1	
			850528	Azoxystrobin	0.022	10	
				Myclobutanyl	0.013	1	
			850551	Fenhexamid	0.12	5	
				Iprodione	0.052	15	
				Myclobutanyl	0.031	1	
				Pirimicarb	0.39	3	
			850557	Azoxystrobin	0.18	10	
				Boscalid	0.15	10	
				Fenhexamid	0.066	5	
				Iprodione	0.021	15	
				Myclobutanyl	0.018	1	
				Pyraclostrobin	0.026	1.5	
				Thiacloprid	0.039	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850588	Azoxystrobin	0.24	10	
				Cyprodinil	0.071	5	
				Fenhexamid	0.11	5	
				Fludioxonil	0.13	4	
				Iprodione	0.75	15	
				Myclobutanyl	0.17	1	
				Thiacloprid	0.048	1	
			850639	Azoxystrobin	0.56	10	
				Cyprodinil	0.056	5	
				Fenhexamid	0.094	5	
				Fludioxonil	0.071	4	
				Iprodione	0.2	15	
				Kresoxim-Methyl	0.037	1	
				Myclobutanyl	0.019	1	
				Pirimicarb	0.46	3	
				Quinoxifen	0.01	0.3	
			850661	Boscalid	0.048	10	
				Fenhexamid	0.028	5	
				Fenpropimorph	0.014	1	
				Iprodione	0.64	15	
				Myclobutanyl	0.18	1	
			850673	Azoxystrobin	0.74	10	
				Boscalid	0.034	10	
				Cyprodinil	0.039	5	
				Fenhexamid	0.81	5	
				Fludioxonil	0.035	4	
				Iprodione	1.8	15	
				Mepanipyrim	0.59	1.5	
				Myclobutanyl	0.13	1	
				Pyrimethanil	0.79	5	
			850729	Iprodione	0.02	15	
				Mepanipyrim	0.016	1.5	
		Morocco	77968	Azoxystrobin	0.07	10	
				Cyprodinil	0.049	5	
				Difenoconazole	0.03	0.4	
				Fenhexamid	0.57	5	
				Fludioxonil	0.022	3	
				Myclobutanyl	0.021	1	
				Triadimenol	0.21	0.5	
		Spain	850008	Boscalid	0.028	10	
				Quinoxifen	0.13	0.3	
			850037	Cyprodinil	0.38	5	
				Fludioxonil	0.25	3	
			850099	Clofentezine	0.91	2	
				Pyrimethanil	0.051	5	
				Spinosad	0.2	0.3	
				Spiromesifen	0.03	1	
			850124	Azoxystrobin	0.039	10	
				Clofentezine	0.012	2	
				Difenoconazole	0.02	0.4	
				Fludioxonil	0.019	3	
				2-Phenylphenol	0.011	0.05	
				Spinosad	0.11	0.3	
				Tetraconazole	0.054	0.2	
		UK	850577	Azoxystrobin	0.033	10	
				Iprodione	0.077	15	
Blackberry		Unknown	850883	None detected	0	0	Canned
		Guatemala	850758	Azoxystrobin	0.042	5	
				Carbendazim	0.025	0.1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Chlorothalonil	0.12	0.01	MRL breach
				Cypermethrin	0.022	0.5	
				Iprodione	0.29	10	
		Ireland	850586	Azoxystrobin	0.57	5	
				Iprodione	1.9	10	
				Thiacloprid	0.15	3	
		Mexico	850006	Azoxystrobin	0.019	5	
				Boscalid	0.015	10	
				Cypermethrin	0.086	0.5	
				Cyprodinil	0.12	10	
				Fludioxonil	0.049	5	
				Iprodione	0.01	10	
		Portugal	850318	Fenhexamid	0.24	10	
			850432	Boscalid	0.013	10	
	Raspberry	Morocco	77891	None detected	0	0	
			850100	None detected	0	0	
		Portugal	850180	Iprodione	0.038	10	
		Spain	850128	2-Phenylphenol	0.019	0.05	
			850296	None detected	0	0	
			850315	None detected	0	0	
			850584	Tebuconazole	0.016	0.5	
			850756	None detected	0	0	
		United States	850007	None detected	0	0	
	Blueberry	Unknown	850882	None detected	0	0	Canned
		Chile	77892	Boscalid	0.03	10	
				Phosmet	0.15	10	
			77893	None detected	0	0	
			77969	Imidacloprid	0.011	5	
				Phosmet	0.16	10	
			850009	Fenhexamid	0.035	5	
				Phosmet	0.043	10	
			850098	Boscalid	0.01	10	
				Phosmet	0.42	10	
		Holland	850649	None detected	0	0	Organic
		Ireland	850317	None detected	0	0	
		Morocco	850314	None detected	0	0	
		Poland	850428	None detected	0	0	
		Spain	850179	None detected	0	0	
			850219	None detected	0	0	
			850297	None detected	0	0	
			850439	None detected	0	0	Organic
			850460	None detected	0	0	
			850755	None detected	0	0	
	Blueberry Juice	United States	850888	None detected	0	0	Processed
	Cranberry Juice	Unknown	850889	None detected	0	0	Processed
	Gooseberry	Ireland	850353	Azoxystrobin	0.016	5	
				Bifenthrin	0.013	0.05	
				Bupirimate	0.026	5	
				Cyprodinil	0.17	5	
				Fenpropimorph	0.015	1	
				Fludioxonil	0.077	3	
				Iprodione	0.056	10	
				Myclobutanyl	0.095	1	
			850431	Boscalid	0.63	10	
				Cyprodinil	0.21	5	
				Fludioxonil	0.15	3	
				Piperonyl Butoxide	0.17	--	
				Pyraclostrobin	0.15	3	
				Pyrimethanil	0.013	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
MISC. FRUIT	Avocados	Chile	78002	None detected	0	0	
		Israel	77834	None detected	0	0	
			77920	None detected	0	0	
		Kenya	850338	Thiabendazole	0.06	15	
		Peru	850138	Imazalil	0.016	0.05	
			850292	Carbendazim	0.027	0.1	
			850450	None detected	0	0	
			850527	None detected	0	0	
		S Africa	850585	None detected	0	0	
		Spain	850733	None detected	0	0	
	Banana	Belize	850407	Azoxystrobin	0.11	2	
				Chlorpyrifos	0.012	3	
				Imazalil	0.18	2	
			850734	Azoxystrobin	0.29	2	
				Chlorpyrifos	0.012	3	
				Imazalil	0.47	2	
			850748	Azoxystrobin	0.35	2	
				Chlorpyrifos	0.01	3	
				Imazalil	0.69	2	
			850749	Azoxystrobin	0.19	2	
				Chlorpyrifos	0.01	3	
				Imazalil	0.4	2	
		Colombia	850410	Imazalil	0.22	2	
				Thiabendazole	0.19	5	
		Costa Rica	850409	Azoxystrobin	0.037	2	
				Bifenthrin	0.037	0.1	
				Buprofezin	0.034	0.5	
				Imazalil	0.046	2	
			850750	Azoxystrobin	0.17	2	
				Bifenthrin	0.042	0.1	
				Buprofezin	0.084	0.5	
				Imazalil	0.19	2	
		Dom Rep	850406	None detected	0	0	Organic
			850408	None detected	0	0	Organic
			850747	None detected	0	0	Organic
		Ghana	850042	Imazalil	0.19	2	
				Thiabendazole	0.12	5	
		Honduras	850411	Azoxystrobin	0.018	2	
				Chlorpyrifos	0.021	3	
				Imazalil	0.064	2	
	Figs	Brazil	850326	None detected	0	0	
			850843	None detected	0	0	
		Turkey	850641	None detected	0	0	
	Passion Fruit (Granadilla)	Colombia	850434	Cypermethrin	0.044	0.05	
				Imidacloprid	0.019	0.05	
			850640	Tebuconazole	0.015	0.02	
			850652	Boscalid	0.061	0.05	MRL breach
				Chlorfenapyr	0.029	0.01	MRL breach
				Difenoconazole	0.065	0.1	
				Iprodione	0.078	0.02	MRL breach
				Pyraclostrobin	0.013	0.02	
	Kiwi	Chile	850396	Fenhexamid	0.6	10	
				Fenvalerate	0.01	0.02	
				Iprodione	0.62	5	
			850443	None detected	0	0	
			850448	None detected	0	0	
			850456	Fenhexamid	0.23	10	
				Iprodione	0.14	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Mangoes		850713	Fenhexamid	0.24	10	
				Iprodione	1.2	5	
			77936	None detected	0	0	
			850096	None detected	0	0	
		Italy	77894	Imazalil	0.013	0.05	Organic
			77956	None detected	0	0	
			850000	Fludioxonil	1.7	20	
			850038	Fludioxonil	1.3	20	
		Brazil	850068	Fludioxonil	1.3	20	Organic
			850088	None detected	0	0	
			850134	Fludioxonil	4	20	
			850171	Fludioxonil	0.87	20	
			77833	Cypermethrin	0.034	0.7	
				Thiabendazole	0.29	5	
			78004	Thiabendazole	0.12	5	
			850066	Thiabendazole	0.12	5	
			850139	Thiabendazole	0.015	5	
			850250	Thiabendazole	0.16	5	
			850291	None detected	0	0	
			850307	Azoxystrobin	0.019	0.7	
			850321	Azoxystrobin	0.017	0.7	
			850328	Prochloraz	0.094	5	
				Thiabendazole	0.61	5	
			850392	Carbendazim	0.023	0.5	
				Cypermethrin	0.026	0.7	
				Thiabendazole	0.78	5	
		Equador	850449	Thiabendazole	0.31	5	
			850526	Thiabendazole	0.21	5	
			850548	Thiabendazole	3.3	5	
			850692	None detected	0	0	
			77954	None detected	0	0	
		Israel	850635	Prochloraz	0.62	5	
		Peru	77882	Thiabendazole	0.21	5	
			77927	Thiabendazole	0.3	5	
	Papaya		850027	Prochloraz	0.34	5	
				Thiabendazole	0.055	5	
			850084	Prochloraz	0.62	5	
				Thiabendazole	0.2	5	
		Puerto Rico	850162	Prochloraz	0.32	5	
			850437	Azoxystrobin	0.023	0.7	
				Prochloraz	0.55	5	
				Thiabendazole	0.39	5	
		Unknown	77844	None detected	0	0	Canned
			850081	Carbendazim	0.087	0.2	
		Equador		Prochloraz	0.22	5	MRL breach
				Propiconazole	0.12	0.05	
				Thiabendazole	0.085	10	
			850164	Difenoconazole	0.015	0.2	
				Prochloraz	0.25	5	
				Thiabendazole	0.021	10	
			850332	Dithiocarbamates	0.77	7	
				Prochloraz	0.28	5	
		850435		Carbendazim	0.032	0.2	
				Prochloraz	0.041	5	
				Thiabendazole	0.31	10	
			850525	Chlorothalonil	0.013	20	
				Difenoconazole	0.01	0.2	
				Dithiocarbamates	0.24	7	
				Myclobutanil	0.037	0.02	MRL breach

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
ROOT AND TUBER VEG	Passion Fruit	Colombia	850083	Prochloraz	0.017	5	
				Thiabendazole	0.27	10	
				Azoxystrobin	0.045	4	
				None detected	0	0	
				None detected	0	0	
	Pineapple Juice	Unknown	77860	Carbendazim	0.026	0.1	
				Difenoconazole	0.019	0.1	
				Lambda-Cyhalothrin	0.037	0.02	MRL breach
				None detected	0	0	Processed
				None detected	0	0	Processed
	Pineapple Slices	Unknown	850790	None detected	0	0	Processed
				None detected	0	0	Canned
	Pineapples	Costa Rica	850190	Triadimefon	0.032	3	
				Triadimenol	0.016	3	
	Pomegranate	Thailand	77857	Prochloraz	0.19	5	
				None detected	0	0	Canned
		Unknown	77843	None detected	0	0	Canned
				None detected	0	0	
		Chile	850327	Fludioxonil	0.37	3	
				Iprodione	0.01	0.02	
		Egypt	850736	Boscalid	0.011	0.05	
				Fenpropathrin	0.017	0.01	MRL breach
		India	77958	Imidacloprid	0.075	1	
				Azoxystrobin	0.014	0.05	
	Sharon Fruit	Israel	850161	Famoxadone	0.047	0.02	MRL breach
				Acrinathrin	0.018	0.05	
		Peru	850462	Fludioxonil	0.74	3	
				Methoxyfenozide	0.011	0.6	
		Spain	850647	Fludioxonil	0.14	3	
				Chlorpyrifos	0.01	0.05	
		Israel	850082	None detected	0	0	
				None detected	0	0	
	Tamarillo	Colombia	850646	Chlorothalonil	0.014	0.01	MRL breach
				Fluopicolide	0.023	0.01	MRL breach
				Lambda-Cyhalothrin	0.035	0.01	MRL breach
	Beetroot	Ireland	850254	None detected	0	0	Organic
				None detected	0	0	
	Carrots	Spain	850304	None detected	0	0	
				None detected	0	0	
		France	850305	Linuron	0.014	0.2	
				Azoxystrobin	0.012	1	
		Ireland	77923	Linuron	0.013	0.2	
				Pendimethalin	0.017	0.2	
				Pyrimethanil	0.071	1	
				Boscalid	0.017	2	
				Boscalid	0.011	2	
				Tebuconazole	0.011	0.5	
				Boscalid	0.022	2	
				Fenpropimorph	0.01	0.05	
				Tebuconazole	0.013	0.5	
				Chlorpyrifos	0.015	0.1	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				None detected	0	0	
				Boscalid	0.037	2	
		850706		Cyprodinil	0.017	2	
				Fludioxonil	0.02	1	
				Cyprodinil	0.01	2	
				Difenoconazole	0.011	0.4	
				Fludioxonil	0.02	1	
		850677		Pendimethalin	0.022	0.2	
				Pendimethalin	0.022	0.2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Horseradish Parsnips	Israel	850218	Iprodione	0.013	0.5	MRL breach
				Metalaxyl	0.028	0.1	
				Triadimenol	0.015	0.1	
		Portugal	850384	Iprodione	0.021	0.5	
				Pendimethalin	0.013	0.2	
				None detected	0	0	
		Spain	77868	Iprodione	0.057	0.5	
				Linuron	0.021	0.2	
				Metalaxyl	0.12	0.1	
			77942	Iprodione	0.021	0.5	
				Linuron	0.013	0.2	
				None detected	0	0	
			850073	None detected	0	0	
				Imazalil	0.011	0.05	
				Thiabendazole	0.01	0.05	
		UK	77914	Boscalid	0.01	2	
				Boscalid	0.027	2	
				Fludioxonil	0.011	1	
			850122	Prothioconazole	0.022	0.1	
				Tebuconazole	0.018	0.5	
				Boscalid	0.036	2	
		Holland	850537	Propamocarb	0.1	0.5	
				Azoxystrobin	0.017	1	
				Difenoconazole	0.011	0.4	
		Ireland	77881	Prothioconazole	0.028	0.1	
				Tebuconazole	0.048	0.5	
				Linuron	0.025	0.2	
			77921	Boscalid	0.017	2	
				Linuron	0.033	0.2	
				Prosulfocarb	0.08	0.08	
			850777	Prothioconazole	0.011	0.1	
				Fenpropimorph	0.01	0.05	
				Linuron	0.02	0.2	
			850787	Prosulfocarb	0.052	0.08	
				Prothioconazole	0.043	0.1	
				Tebuconazole	0.025	0.4	
			850867	Prothioconazole	0.01	0.1	
				Tebuconazole	0.027	0.4	
		Spain	850265	Flutriafol	0.011	0.05	
				pp'-dde	0.018	0.05	
				Thiabendazole	0.014	0.05	
			850397	None detected	0	0	
				Chlorpropham	0.72	10	
		France	77902	Chlorpropham	0.01	10	
				Chlorpropham	0.18	10	
				Imazalil	0.07	3	
		Ireland	77996	Chlorpropham	0.012	10	
				Chlorpropham	0.3	10	
				Imazalil	0.15	3	
			850015	Chlorpropham	0.1	10	
				Propamocarb	0.012	0.5	
				Imazalil	0.02	3	
			850472	Chlorpropham	0.014	10	
				None detected	0	0	
				None detected	0	0	
			850512	Flutolanil	0.041	0.5	
				None detected	0	0	
				None detected	0	0	
			850513	Propamocarb	0.01	0.5	
				None detected	0	0	
				None detected	0	0	
			850516	Propamocarb	0.01	0.5	
				None detected	0	0	
				None detected	0	0	
			850533	Propamocarb	0.01	0.5	
				None detected	0	0	
				None detected	0	0	
			850534	Propamocarb	0.01	0.5	
				None detected	0	0	
				None detected	0	0	
			850535	None detected	0	0	
				None detected	0	0	
				None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
BULB VEG	Radishes		850556	None detected	0	0	Organic
			850657	None detected	0	0	
			850696	Imazalil	0.01	3	
				Pencycuron	0.015	0.1	
			850704	None detected	0	0	
			850781	None detected	0	0	
			850782	Chlorpropham	0.014	10	
				Imazalil	0.2	3	
			850783	None detected	0	0	
			850802	None detected	0	0	
			850803	None detected	0	0	
			850804	None detected	0	0	
			850864	None detected	0	0	
			850865	Azoxystrobin	0.01	1	
				Fluazinam	0.013	0.05	
				Imazalil	0.02	3	
		Israel	850419	None detected	0	0	
		Italy	850404	None detected	0	0	
		UK	850532	None detected	0	0	
		Holland	850576	None detected	0	0	
			850703	Dithiocarbamates	0.14	2	
				Propamocarb	0.018	10	
		UK	850440	None detected	0	0	
			850651	Boscalid	0.023	2	
				Dithiocarbamates	0.17	2	
	Swedes	Ireland	850441	None detected	0	0	
			850511	None detected	0	0	
			850553	None detected	0	0	
			850611	None detected	0	0	
			850659	None detected	0	0	
			850788	None detected	0	0	
			850805	None detected	0	0	
			850333	None detected	0	0	
	Sweet Potatoes	Honduras		Fludioxonil	0.14	10	
			77870	Fludioxonil	0.31	10	
			77962	None detected	0	0	
			850074	Fludioxonil	0.1	10	
		United States	850145	Fludioxonil	0.11	10	
			850467	Fludioxonil	0.016	--	
				Piperonyl Butoxide	0	0	
			850508	None detected	0	0	
	Turnips	Ireland	850377	Chlorpyrifos	0.033	0.05	
		UK	850339	None detected	0	0	
				Lambda-Cyhalothrin	0.035	0.02	
	Garlic	Spain	850786	None detected	0	0	
	Onions	Holland	850518	None detected	0	0	
			850847	None detected	0	0	
		Mexico	77952	None detected	0	0	
		Spain	850806	None detected	0	0	
			850866	None detected	0	0	
		UK	850536	None detected	0	0	
		Egypt	77879	None detected	0	0	
		Mexico	850022	Azoxystrobin	0.016	10	
				Spinosad	0.01	4	
			850780	None detected	0	0	
FRUITING VEG	Aubergines	Holland	850342	Chlorantraniliprole	0.016	0.6	
			850438	Chlorantraniliprole	0.012	0.6	
				Propamocarb	0.034	10	
			850547	Chlorantraniliprole	0.026	0.6	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Spiromesifen	0.015	0.5	
			850636	Chlorantraniliprole	0.017	0.6	
			850656	Imidacloprid	0.039	0.5	
			850702	Chlorantraniliprole	0.032	0.6	
		Spain	77938	Imidacloprid	0.012	0.5	
				Propamocarb	0.025	10	
				Pyrimethanil	0.47	1	
				Pyriproxyfen	0.1	1	
			850025	Cyprodinil	0.014	1	
				Imazalil	0.014	0.05	
				Thiabendazole	0.021	0.05	
			850069	Bupirimate	0.087	2	
				Cyprodinil	0.036	1	
				Fenhexamid	0.011	1	
				Fludioxonil	0.011	1	
			850725	Acetamiprid	0.027	0.2	
	Chilli Pepper	Spain	850163	None detected	0	0	Organic
	Pepper	Holland	850177	None detected	0	0	
		Spain	77847	Flutriafof	0.036	1	
				Myclobutanyl	0.021	0.5	
				Triadimenol	0.077	1	
				Trifloxystrobin	0.013	0.3	
			77866	Fludioxonil	0.021	2	
				Flutriafof	0.014	1	
			77904	Cyprodinil	0.068	1	
				Fludioxonil	0.047	2	
				Flutriafof	0.042	1	
			77915	Flutriafof	0.028	1	
				Imazalil	0.031	0.05	
				Triadimenol	0.048	1	
				Trifloxystrobin	0.011	0.3	
			77967	Boscalid	0.11	3	
				Fludioxonil	0.035	2	
				Flutriafof	0.012	1	
				Pyraclostrobin	0.021	0.5	
			77991	Cyprodinil	0.051	1	
				Fludioxonil	0.24	2	
				Flutriafof	0.21	1	
				Indoxacarb	0.037	0.3	
			850010	Flutriafof	0.043	1	
				Tebuconazole	0.045	0.5	
				Trifloxystrobin	0.01	0.3	
			850072	Boscalid	0.055	3	
				Chlorothalonil	0.097	2	
				Cyprodinil	0.016	1	
				Fludioxonil	0.043	2	
				Flutriafof	0.024	1	
				Pyrimethanil	0.024	2	
			850112	Chlorothalonil	0.24	2	
				Flutriafof	0.034	1	
				Kresoxim-Methyl	0.015	1	
			850144	Fludioxonil	0.026	2	
				Flutriafof	0.012	1	
			850231	Chlorothalonil	0.015	2	
				Flutriafof	0.018	1	
				Indoxacarb	0.14	0.3	
				Pymetrozine	0.03	1	
			850754	Flutriafof	0.031	1	
				Indoxacarb	0.015	0.3	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Tomato	Holland	850559	Chlorantraniliprole	0.018	0.6	
				Hexythiazox	0.014	0.5	
		Ireland	850259	Fenhexamid	0.019	1	
			850388	None detected	0	0	
			850529	Azoxystrobin	0.026	3	
				Cyprodinil	0.052	1	
				Fludioxonil	0.027	1	
				Iprodione	0.16	5	
		Spain	850549	None detected	0	0	
			77828	Chlorothalonil	0.26	2	
				Cyprodinil	0.21	1	
				Dimethomorph	0.016	1	
				Flonicamid	0.02	0.3	
				Fludioxonil	0.063	1	
				Metalaxyl	0.041	0.2	
				Propamocarb	0.056	10	
				Pyriproxyfen	0.029	1	
			77876	Chlorothalonil	0.026	2	
				Cyprodinil	0.062	1	
				Diethofencarb	0.015	1	
				Dimethomorph	0.023	1	
				Fenhexamid	0.065	1	
				Flonicamid	0.029	0.3	
				Fludioxonil	0.029	1	
				Mandipropamid	0.019	1	
			77929	Metalaxyl	0.014	0.2	
				Azoxystrobin	0.012	3	
				Chlorothalonil	0.016	2	
				Cyprodinil	0.04	1	
				Difenoconazole	0.032	2	
				Fludioxonil	0.011	1	
			77947	Chlorothalonil	0.12	2	
				Flonicamid	0.026	0.3	
				Metalaxyl	0.021	0.2	
				Triadimenol	0.025	1	
			77999	Pyrimethanil	0.013	1	
			850011	None detected	0	0	
			850107	Dithiocarbamates	0.11	3	
				Tebuconazole	0.041	1	
				Triadimenol	0.022	1	
				None detected	0	0	
			850143	None detected	0	0	
			850808	None detected	0	0	
			850845	Acetamiprid	0.019	0.15	
				Fenamiphos-Sulphoxide	0.011	0.05	
				Flonicamid	0.031	0.3	
				Tebuconazole	0.012	1	
			850868	None detected	0	0	
	Tomato Juice Courgettes	Unknown	850891	None detected	0	0	Processed
			850376	None detected	0	0	
		Spain	850633	None detected	0	0	
			77867	1-Naphthylacetamide	0.012	0.05	
				Cyprodinil	0.014	0.5	
				Fludioxonil	0.012	1	
				Imidacloprid	0.013	1	
			850070	Flonicamid	0.016	0.5	
				Imidacloprid	0.022	1	
				Propamocarb	0.028	10	
			850110	Dithiocarbamates	0.06	2	
				Imidacloprid	0.034	1	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE	
BRASSICA VEG	Cucumbers	Ireland	850142	None detected	0	0		
			850237	Flutriafol	0.01	0.05		
			850256	Myclobutanyl	0.032	0.1		
			850345	Imidacloprid	0.015	1		
			850737	Acetamiprid	0.049	0.3		
				Imidacloprid	0.033	1		
			850325	None detected	0	0		
			850350	None detected	0	0		
			850390	None detected	0	0		
			850457	Azoxystrobin	0.01	1		
				Pymetrozine	0.035	0.5		
			850471	Propamocarb	0.01	10		
			850583	Azoxystrobin	0.027	1		
				Bupirimate	0.072	1		
				Ethirimol	0.035	0.2		
		Spain	77889	Chlorothalonil	0.029	1		
				Dieldrin	0.01	0.02		
				Imidacloprid	0.02	1		
			77990	Cyprodinil	0.011	0.5		
				Dithiocarbamates	0.1	2		
				Propamocarb	0.053	10		
			850021	Cyprodinil	0.025	0.5		
				Propamocarb	0.07	10		
				Spinosad	0.011	1		
			850306	Acetamiprid	0.046	0.3		
		850341	None detected	0	0	Organic		
		850650	None detected	0	0	Organic		
		850707	Metalaxyl	0.013	0.5			
			Propamocarb	0.12	10			
			Thiacloprid	0.031	0.3			
			Triadimenol	0.019	0.2			
		850727	Flonicamid	0.013	0.5			
			Fluopicolide	0.015	0.5			
			Propamocarb	0.1	5			
			850738	Dithiocarbamates	0.07	2		
	Flubendiamide			0.011	0.15			
	Fluopicolide			0.014	0.5			
	Metalaxyl			0.017	0.5			
	Propamocarb			0.14	5			
	Summer Squash		Honduras	850170	Chlorothalonil	0.25	0.01	MRL breach
					Famoxadone	0.012	0.2	
		Mexico	850146	Imidacloprid	0.014	1		
		Portugal	77850	None detected	0	0		
		Melons	Brazil	77935	Azoxystrobin	0.012	1	
				Difenoconazole	0.01	0.2		
			Imazalil	0.44	2			
			Imidacloprid	0.031	0.5			
			Thiamethoxam	0.011	0.2			
	850003		Bifenthrin	0.014	0.05			
				Imidacloprid	0.022	0.5		
			850320	Chlorothalonil	0.014	2		
	Sweet Corn		Spain	850320	Chlorothalonil	0.014	2	
			China	77859	None detected	0	0	Canned
		Spain	850346	None detected	0	0		
	Watermelons	Spain	850412	None detected	0	0		
			850609	None detected	0	0		
			Winter Squash	Argentina	850087	None detected	0	0
	Broccoli	Ireland	850509	None detected	0	0		
850546			None detected	0	0			

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Cauliflower	Jordan	850562	None detected	0	0	Organic
			850295	None detected	0	0	
		Spain	77854	None detected	0	0	
			77925	None detected	0	0	
			77940	Thiamethoxam	0.014	0.2	
			850014	Chlorothalonil	0.027	5	
		France		Fluazifop Free Acid	0.019	0.2	
				Propamocarb	0.011	10	
			850303	Cypermethrin	0.03	1	
				Imidacloprid	0.015	0.5	
			850869	Fluazifop Free Acid	0.11	0.2	
			850165	None detected	0	0	
		Ireland	850415	None detected	0	0	
			850461	None detected	0	0	
			850612	None detected	0	0	
			850701	None detected	0	0	
		Spain	850728	None detected	0	0	
			850739	Tebuconazole	0.01	0.05	
			850789	None detected	0	0	
			77880	Fluazifop Free Acid	0.031	0.2	
	Brussels Sprouts	Ireland	850644	Azoxystrobin	0.013	5	
				Chlorothalonil	0.02	3	
				Difenoconazole	0.023	0.2	
				Imazalil	0.03	0.05	
				Indoxacarb	0.014	0.6	
				Metalaxyl	0.022	0.05	
				Methiocarb	0.01	0.1	
				Methiocarb-Sulfoxide	0.016	0.1	
				Prothioconazole	0.035	0.1	
				Tebuconazole	0.053	0.7	
				Thiabendazole	0.038	0.05	
			850660	None detected	0	0	
			850705	None detected	0	0	
			850779	Difenoconazole	0.019	0.2	
				Iprodione	0.087	0.5	
				Tebuconazole	0.041	0.7	
	Head Cabbage	Ireland	850809	Boscalid	0.012	5	MRL breach
				Difenoconazole	0.031	0.2	
			77903	Boscalid	0.086	5	
				Difenoconazole	0.13	0.2	
				Pyraclostrobin	0.021	0.2	
			850192	Difenoconazole	0.076	0.2	
				Fluopicolide	0.4	0.2	
				Lambda-Cyhalothrin	0.017	0.2	
				Propamocarb	1.4	10	
				Tebuconazole	0.36	1	
				Trifloxystrobin	0.2	0.3	
			850337	Difenoconazole	0.013	0.2	
				Fenhexamid	0.012	0.05	
				Metalaxyl	0.013	1	
			850351	None detected	0	0	
			850389	None detected	0	0	
			850401	Imidacloprid	0.012	0.5	
				Indoxacarb	0.12	0.2	
			850510	None detected	0	0	
			850521	None detected	0	0	
			850550	Chlorpyrifos	0.1	1	
			850554	None detected	0	0	
			850561	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
LEAFY VEG	Chinese Cabbage Kale	Spain	850709	Difenoconazole	0.02	0.2	
				Fluopicolide	0.01	0.2	
				Propamocarb	0.089	0.7	
				Thiacloprid	0.019	0.2	
			77949	None detected	0	0	
			850012	Chlorothalonil	0.66	3	
		Spain	850090	None detected	0	0	Organic
			850106	None detected	0	0	
			850301	None detected	0	0	
			850302	Metamitron	0.011	0.1	
			850475	Chlorothalonil	0.033	0.01	
		Ireland		Difenoconazole	0.019	2	MRL breach
			850642	Cypermethrin	0.16	1	
				Difenoconazole	0.18	2	
				Pirimicarb Desmethyl	0.049	1	
				Pymetrozine	0.025	0.2	
			850735	None detected	0	0	
	Pak Choi	Spain	850222	Clothianidin	0.01	0.2	
				Cypermethrin	0.26	1	
				Spirotetramat	0.48	7	
				Thiamethoxam	0.025	0.2	
		Ireland	850028	Azoxystrobin	0.013	5	
			850391	Pirimicarb	0.018	2	
			850575	None detected	0	0	
			850658	None detected	0	0	
			850870	None detected	0	0	
	Endive	Ireland	850310	Boscalid	0.025	10	
				Mandipropamid	0.014	25	
				Propyzamide	0.015	1	
		Spain	850156	Acetamiprid	0.36	1.5	
				Deltamethrin	0.024	0.5	
				Dithiocarbamates	0.09	5	
				Fenhexamid	0.068	30	
				Propyzamide	0.061	1	
		France	850538	None detected	0	0	
			77878	Boscalid	0.13	30	
		Ireland		Propamocarb	0.14	50	
				Propyzamide	0.018	1	
				Pyraclostrobin	0.016	2	
			77950	Boscalid	0.21	30	
				Pyraclostrobin	0.02	2	
			850257	None detected	0	0	
			850323	None detected	0	0	
			850381	Cypermethrin	0.094	2	
				Spirotetramat	0.029	7	
			850383	None detected	0	0	
			850386	Boscalid	0.014	30	
			850387	None detected	0	0	
			850393	Boscalid	0.041	30	
				Thiamethoxam	0.038	5	
			850473	Boscalid	0.019	30	
			850476	Azoxystrobin	0.022	15	
				Boscalid	0.11	30	
			850514	Boscalid	0.021	30	
				Cypermethrin	0.06	2	
				Iprodione	0.26	10	
				Mandipropamid	0.28	25	
				Spirotetramat	0.019	7	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850520	None detected	0	0	Organic
			850634	Boscalid	0.013	30	
				Propyzamide	0.013	1	
			850842	Cyprodinil	0.057	15	
				Fludioxonil	0.012	15	
				Propamocarb	0.03	50	
		Italy	850151	Cyprodinil	0.34	15	
				Fludioxonil	0.12	15	
				Propamocarb	0.019	50	
				Spinosad	0.29	10	
		Slovakia	850784	None detected	0	0	
		Spain	77848	Acetamiprid	0.026	5	
				Cyprodinil	0.046	15	
				Fenhexamid	0.028	40	
				Fludioxonil	0.031	15	
			77900	None detected	0	0	
			77901	Cyprodinil	0.011	15	
				Imidacloprid	0.027	2	
			77941	Dimethomorph	0.013	10	
				Dithiocarbamates	0.27	5	
				Pyrimethanil	0.015	20	
			77951	Imazalil	0.014	0.05	
				Imidacloprid	0.015	2	
			77994	Dithiocarbamates	0.07	5	
				Imidacloprid	0.12	2	
				Metalaxyl	0.017	3	
			850016	Boscalid	0.036	30	
				Imidacloprid	0.38	2	
				Thiamethoxam	0.031	5	
			850024	Imidacloprid	0.011	2	
				Thiamethoxam	0.012	5	
			850032	Acetamiprid	0.067	5	
				Cyprodinil	0.028	15	
				Fenhexamid	0.055	40	
				Fludioxonil	0.016	15	
				Imidacloprid	0.019	2	
				Thiamethoxam	0.029	5	
			850075	Acetamiprid	0.51	5	
				Azoxystrobin	0.23	15	
				Difenoconazole	0.12	3	
				Dimethomorph	0.021	10	
				Imidacloprid	0.026	2	
				Spinosad	0.093	10	
			850105	None detected	0	0	
			850113	Acetamiprid	0.25	5	
				Boscalid	1.06	30	
				Dimethomorph	0.047	10	
				Dithiocarbamates	0.09	5	
				Imidacloprid	0.23	2	
				Lambda-Cyhalothrin	0.037	0.5	
				Pyraclostrobin	0.12	2	
				Thiamethoxam	0.015	5	
			850158	Acetamiprid	0.16	5	
				Dithiocarbamates	0.05	5	
				Imidacloprid	0.12	2	
				Propyzamide	0.025	1	
			850234	Boscalid	0.017	30	
				Imidacloprid	0.074	2	
				Thiamethoxam	0.03	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			850778	Boscalid	0.013	30	
			850785	None detected	0	0	
	Mizuna	Italy	850153	Propamocarb	0.24	20	
	Red Mustard	Spain	850157	None detected	0	0	
	Rocket	Ireland	850378	None detected	0	0	
		Italy	77916	Boscalid	1.16	30	
				Dithiocarbamates	0.53	5	
				Mandipropamid	6.61	25	
				Metalaxyl	0.085	2	
				Propamocarb	0.086	30	
				Pyraclostrobin	0.04	10	
			850152	Acetamiprid	0.14	5	
				Deltamethrin	0.02	0.5	
				Dithiocarbamates	0.17	5	
				Imidacloprid	0.28	2	
				Spinosad	0.72	10	
			850235	Deltamethrin	0.2	0.5	
			850807	Boscalid	0.027	30	
				Chlorantraniliprole	0.044	20	
				Mandipropamid	4	25	
				Propamocarb	0.044	30	
	Scarole	Spain	850155	Acetamiprid	0.13	1.5	
				Azoxystrobin	0.27	15	
				Boscalid	0.01	30	
				Flutriafol	0.02	0.05	
	Chard	Italy	850149	Metalaxyl	0.017	0.05	
	Spinach	Ireland	850468	Propamocarb	0.25	30	
		Italy	850258	Spinosad	0.033	10	Organic
			850336	Spinosad	0.029	10	Organic
			850545	None detected	0	0	Organic
		Spain	77871	Lenacil	0.012	0.1	
			77905	Cypermethrin	0.055	0.7	
				Deltamethrin	0.06	0.5	
				Lenacil	0.031	0.1	
			77993	Cypermethrin	0.19	0.5	
				Deltamethrin	0.048	0.5	
				Lenacil	0.016	0.1	
			850013	None detected	0	0	
			850111	Fluopicolide	0.016	4	
				Lenacil	0.011	0.1	
				Propamocarb	2.6	30	
			850147	Cypermethrin	0.13	0.7	
				Propamocarb	0.28	30	
			850154	Cypermethrin	0.035	0.7	
				Deltamethrin	0.021	0.5	
				Lambda-Cyhalothrin	0.079	0.5	
				Lenacil	0.014	0.1	
			850168	None detected	0	0	Organic
			850236	Deltamethrin	0.016	0.5	
				Fluopicolide	0.062	4	
				Indoxacarb	0.073	2	
				Lenacil	0.011	0.1	
		Sweden	850442	None detected	0	0	
			850507	Lambda-Cyhalothrin	0.03	0.5	
	Water Cress	Spain	850150	Dithiocarbamates	0.06	0.3	
	Coriander Leaves	Spain	850233	Deltamethrin	0.011	0.5	
				Lenacil	0.21	0.1	MRL breach
	Lemongrass	Thailand	850167	None detected	0	0	
	Parsley	Italy	850848	Chlorantraniliprole	1.2	20	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
LEGUME VEG	Tarragon	Kenya	850849	Etofenprox	0.014	3	
				Clothianidin	0.066	1.5	
				Imidacloprid	0.025	2	
				Propamocarb	0.012	30	
				Thiacloprid	0.081	5	
				Thiophanate-Methyl	0.013	0.1	
	Beans With Pods	Belgium	850744	Boscalid	0.038	3	
				Carbendazim	0.061	0.2	
				Iprodione	0.022	5	
	Beans Without Pods	Guatemala	850205	None detected	0	0	
		Spain	850823	None detected	0	0	
		UK	850204	Tebuconazole	0.013	2	
		Egypt	850715	None detected	0	0	
			850844	Boscalid	0.047	3	
		France	850817	Pyraclostrobin	0.016	0.02	
				Boscalid	0.091	3	
				Carbendazim	0.16	0.2	
		Guatemala	850850	Azoxystrobin	0.058	3	
				Chlorothalonil	1.3	5	
				Lambda-Cyhalothrin	0.022	0.2	
				Thiamethoxam	0.038	0.5	
		Ireland	850347	None detected	0	0	
			850355	None detected	0	0	
			850402	None detected	0	0	
		Kenya	850294	Azoxystrobin	0.07	3	
				Cypermethrin	0.22	0.7	
		Unknown	850199	Cyprodinil	0.056	2	
			850200	Iprodione	0.045	5	
	Green Bean With Pod	Egypt	850772	None detected	0	0	
	Green Pea Without Pods	France	850746	None detected	0	0	
		Ireland	850607	None detected	0	0	
	Mangetout	Peru	850771	Chlorothalonil	0.013	2	
				Deltamethrin	0.026	0.2	
				Spirotetramat	0.2	1.5	
	Peas With Pods	France	850742	Boscalid	0.028	3	
		Peru	850773	Pyrimethanil	0.017	3	
				Deltamethrin	0.031	0.2	
				Fenhexamid	0.12	0.05	MRL breach
				Imidacloprid	0.12	5	
				Permethrin	0.092	0.05	MRL breach
				Pyrimethanil	0.11	3	
				Spirotetramat	0.11	1.5	
	Peas Without Pods	France	850743	Boscalid	0.014	3	
				Fluazifop Free Acid	0.029	1	
				Pyrimethanil	0.01	0.2	
		UK	850745	Cyprodinil	0.066	0.1	
			850816	None detected	0	0	
			850202	None detected	0	0	
		Unknown	850203	Boscalid	0.014	3	
			850194	Boscalid	0.013	3	
			850195	None detected	0	0	
			850196	Boscalid	0.036	3	
			850197	None detected	0	0	
			850198	Carbendazim	0.021	0.1	
		Peru	850201	Azoxystrobin	0.017	3	
			850716	Imidacloprid	0.073	5	
				Iprodione	0.17	2	
		S Africa	850225	Oxamyl	0.046	0.01	MRL breach

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE			
STEM VEG	Asparagus	Mexico	850587	Oxamyl-Oxime	0.077		MRL breach			
				Permethrin	0.11	0.05				
			Peru	850871	Azoxystrobin	0.013	3			
				850846	Tebuconazole	0.016	2			
					None detected	0	0			
				Spain		850871	None detected		0	0
		850148	None detected		0	0				
		850344	None detected		0	0				
			None detected		0	0				
		Celery			Spain	77869	Azoxystrobin	0.01	15	
			77939			Triadimenol	0.012	0.1		
				Difenoconazole	0.031	5				
	Imidacloprid		0.024	2						
			Linuron	0.013	0.1					
	77960			None detected	0	0	Organic			
			77992	Azoxystrobin	0.011	15				
	Fennel		Italy	850020	Difenoconazole	0.025	5			
					Imidacloprid	0.023	2			
				Linuron	0.011	0.1				
		Chlorothalonil			0.18	20				
		Imidacloprid		0.015	2					
				Indoxacarb	0.017	2				
		850076	Linuron	0.029	0.1					
			Chlorothalonil	0.23	20					
			Imidacloprid	0.12	2					
			Imidacloprid	0.043	2					
	Leek	Spain	77899	Cyprodinil	0.045		0.2	Organic		
			77957	None detected	0	0				
		France	850023	None detected	0	0				
			850400	Tebuconazole	0.036	1				
	OILFRUITS	Olive Oil	Greece	850469	Azoxystrobin	0.02	10			
				Tebuconazole	0.069	1				
Holland			850563		Chlorothalonil	0.013	40			
			Tebuconazole	0.043	0.6					
Ireland			77948	Tebuconazole	0.018	1				
			Spain	850085	None detected	0		0	Organic	
OILSEEDS			Hempseed	Greece	850895	Chlorpyrifos	0.12	0.05(0.25)	Processed 0.25	
					Italy	850839	None detected	0	0	Organic/Juiced
				Spain		850896	None detected	0	0	Processed
					Unknown	850838	None detected	0	0	Processed
	France	850834		Chlorpyrifos-Methyl		0.016	0.05	Processed		
		Pirimiphos-Methyl		0.014	0.05					
	Holland	850833		None detected	0		0	Processed		
		Unknown		850837	pp,-ddd	0.017	0.05	Processed		
	Ireland			850835	Boscalid	0.032	1	Processed		
		FUNGI		Cultivated Mushroom	China	850836	Boscalid	0.019	1	Processed
Ireland	850726		Chlormequat			0.01	10			
	77924		None detected		0	0				
850309	None detected		0		0					
	850382		2-Phenylphenol		0.014		0.05			
850416	None detected		0		0					
	850417		None detected		0		0	Organic		
850418	Diflubenzuron		0.02		2					
	Piperonyl Butoxide		0.17		--					
850517	None detected		0		0					
	850552	Piperonyl Butoxide	0.016	--						
	850671	None detected	0	0						
	850708	None detected	0	0						

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
SPICES	Ginger	China	850723	Chlormequat	0.016	10	MRL breach
				Mepiquat	0.062	0.05	
				Piperonyl Butoxide	0.012	--	
			850724	None detected	0	0	
			850851	Mepiquat	0.024	0.05	
				Piperonyl Butoxide	0.012	--	
			850872	Mepiquat	0.016	0.05	
			850187	None detected	0	0	
			850367	Fenhexamid	0.011	0.1	
		Thailand	850166	None detected	0	0	
CEREAL	Barley	Ireland	77977	Glyphosate	1.14	20	
			77978	Cyprodinil	0.012	3	
				Glyphosate	0.09	20	
			77979	Boscalid	0.024	3	
				Cyprodinil	0.012	3	
				Glyphosate	0.11	20	
			77980	Cyprodinil	0.03	3	
				Glyphosate	0.2	20	
			77981	Glyphosate	1.07	20	
			77982	None detected	0	0	
			77983	Chlormequat	0.028	2	
			77984	Boscalid	0.01	3	
				Piperonyl Butoxide	0.012	--	
			77985	Boscalid	0.012	3	
				Chlormequat	0.052	2	
				Cyprodinil	0.018	3	
				Glyphosate	0.12	20	
			77986	Cyprodinil	0.028	3	
	Oats	Ireland	850539	None detected	0	0	
			850540	None detected	0	0	
			850541	None detected	0	0	
			850542	None detected	0	0	
			850543	None detected	0	0	
			850544	None detected	0	0	
			850564	Chlormequat	5.9	9	
			850565	Chlormequat	0.081	9	
			850566	Chlormequat	1.5	9	
			850567	Chlormequat	3.8	9	
			850568	Chlormequat	0.42	9	
			850569	Chlormequat	4.4	9	
			850570	Chlormequat	1.3	9	
			850662	Chlormequat	3.7	9	
			850663	Chlormequat	2.9	9	
				Glyphosate	0.15	20	
				Pyraclostrobin	0.012	1	
				Tebuconazole	0.03	2	
			850664	Chlormequat	3.2	9	
				Glyphosate	0.8	20	
			850665	Chlormequat	3.3	9	
				Glyphosate	1.1	20	
			850666	Chlormequat	3.5	9	
				Pyraclostrobin	0.011	1	
			850667	Chlormequat	7.9	9	
				Pyraclostrobin	0.016	1	
			850668	Chlormequat	7.2	9	
			850669	Chlormequat	4.2	9	
				Glyphosate	0.19	20	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Rice	India	850207	Buprofezin	0.013	0.5	
				Isoprothiolane	0.016	5	
				Tricyclazole	0.02	1	
			850208	Buprofezin	0.055	0.5	
				Isoprothiolane	0.061	5	
				Tebuconazole	0.013	2	
			850212	Triazophos	0.055	0.02	MRL breach
				Tricyclazole	0.04	1	
				Acephate	0.1	0.01	MRL breach
				Buprofezin	0.03	0.5	
				Carbendazim	0.02	0.01	MRL breach
				Isoprothiolane	0.024	5	
				Methamidophos	0.031	0.01	MRL breach
				Propiconazole	0.018	0.7	
				Thiamethoxam	0.031	0.6	
				Tricyclazole	0.17	1	
			850822	Buprofezin	0.089	0.5	
				Isoprothiolane	0.12	5	
				Permethrin	0.012	0.05	
				Propiconazole	0.043	0.7	
				Tebuconazole	0.017	1	
				Triazophos	0.038	0.02	MRL breach
				Tricyclazole	0.072	1	
		Spain	850720	Deltamethrin	0.23	2	
				Piperonyl Butoxide	2.3	--	
				Tebuconazole	0.024	1	
		Thailand	850214	Tricyclazole	0.021	1	
				None detected	0	0	
		Unknown	850206	Tricyclazole	0.033	1	
				Buprofezin	0.012	0.5	
			850209	Isoprothiolane	0.014	5	
				Tricyclazole	0.019	1	
				Tebuconazole	0.015	2	
			850210	Tricyclazole	0.034	1	
				None detected	0	0	
			850213	Tricyclazole	0.026	1	
				Tebuconazole	0.012	2	
				None detected	0	0	
			850721	Deltamethrin	0.2	2	
				Isoprothiolane	0.17	5	
			850722	Buprofezin	0.016	0.5	
				Deltamethrin	0.091	2	
				Isoprothiolane	0.021	5	
				Tricyclazole	0.022	1	
				Buprofezin	0.016	0.5	
			850818	Isoprothiolane	0.028	5	
				Propiconazole	0.012	0.7	
				Tricyclazole	0.021	1	
				Tricyclazole	0.02	1	
				Permethrin	0.018	0.05	
			850820	Tricyclazole	0.032	1	
				Buprofezin	0.023	0.5	
				Isoprothiolane	0.016	5	
				Propiconazole	0.012	0.7	
				Tricyclazole	0.025	1	
	Wheat	France	850624	Chlorpyrifos-Methyl	0.13	3	
				Deltamethrin	0.16	2	
				Piperonyl Butoxide	0.51	--	
				Pirimiphos-Methyl	0.03	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Wheat Flour	Ireland	850629	Deltamethrin	0.06	2	
				Piperonyl Butoxide	0.28	--	
				Pirimiphos-Methyl	0.14	5	
			850631	Chlorpyrifos-Methyl	0.075	3	
				Deltamethrin	0.069	2	
				Piperonyl Butoxide	0.43	--	
				Pirimiphos-Methyl	0.02	5	
			850825	Chlorpyrifos-Methyl	0.14	3	
				Deltamethrin	0.085	2	
				Piperonyl Butoxide	0.55	--	
				Pirimiphos-Methyl	0.027	5	
			850826	Deltamethrin	0.076	2	
				Piperonyl Butoxide	0.49	--	
				Pirimiphos-Methyl	0.23	5	
			850831	Deltamethrin	0.05	2	
				Piperonyl Butoxide	0.41	--	
				Pirimiphos-Methyl	0.27	5	
		Germany	850623	Piperonyl Butoxide	0.07	--	
				Pirimiphos-Methyl	0.044	5	
			850828	Piperonyl Butoxide	0.015	--	
		Ireland	850592	None detected	0	0	
			850593	None detected	0	0	
			850594	None detected	0	0	
			850595	Fenpropimorph	0.012	0.5	
			850596	None detected	0	0	
			850597	None detected	0	0	
			850598	None detected	0	0	
			850599	Tebuconazole	0.011	0.1	
			850600	Tebuconazole	0.01	0.1	
			850601	None detected	0	0	
			850602	None detected	0	0	
			850603	Fenpropimorph	0.01	0.5	
				Tebuconazole	0.015	0.1	
			850604	None detected	0	0	
			850605	None detected	0	0	
			850606	None detected	0	0	
			850625	Tebuconazole	0.01	0.1	
			850827	Deltamethrin	0.013	2	
				Piperonyl Butoxide	0.097	--	
				Pirimiphos-Methyl	0.019	5	
		Sweden	850626	None detected	0	0	
		UK	850627	Permethrin	0.015	0.05	
				Piperonyl Butoxide	0.1	--	
			850628	Deltamethrin	0.071	2	
				Piperonyl Butoxide	0.27	--	
				Tebuconazole	0.011	0.1	
			850630	Deltamethrin	0.035	2	
				Piperonyl Butoxide	0.24	--	
			850632	Deltamethrin	0.029	2	
				Tebuconazole	0.012	0.1	
			850824	Deltamethrin	0.012	2	
				Piperonyl Butoxide	0.16	--	
			850829	Piperonyl Butoxide	0.011	--	
			850830	None detected	0	0	
			850832	None detected	0	0	
		Ireland	850682	None detected	0	0	
			850686	Piperonyl Butoxide	0.063	--	
			850687	Chlorpyrifos-Methyl	0.012	3	
				Piperonyl Butoxide	0.061	--	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
ANIMAL ORIGIN	Bovine Fat	UK	850688	Chlormequat	0.035	2	Organic
				Chlorpyrifos-Methyl	0.015	3	
				Deltamethrin	0.013	2	
				Piperonyl Butoxide	0.093	--	
			850699	Piperonyl Butoxide	0.036	--	
			850700	Chlormequat	0.032	2	
				Chlorpyrifos-Methyl	0.028	3	
				Piperonyl Butoxide	0.15	--	
				Pirimiphos-Methyl	0.016	5	
			850717	Chlormequat	0.025	2	
				Chlorpyrifos-Methyl	0.012	3	
				Piperonyl Butoxide	0.092	--	
			850678	None detected	0	0	
			850679	None detected	0	0	
			850681	None detected	0	0	
			850683	Piperonyl Butoxide	0.074	--	
			850684	Chlormequat	0.031	2	
				Piperonyl Butoxide	0.045	--	
				None detected	0	0	
				Piperonyl Butoxide	0.01	--	
		Unknown	850718	None detected	0	0	Organic
			850698	Piperonyl Butoxide	0.01	--	
			850719	Piperonyl Butoxide	0.12	--	
		Ireland	801188	None detected	0	0	
			801189	Permethrin	0.028	0.05	
			801191	None detected	0	0	
			801194	None detected	0	0	
			801195	None detected	0	0	
			801199	None detected	0	0	
			801200	None detected	0	0	
			801201	None detected	0	0	
			801204	None detected	0	0	
			801207	None detected	0	0	
			801208	None detected	0	0	
			801209	None detected	0	0	
			801210	None detected	0	0	
			801215	None detected	0	0	
			801216	None detected	0	0	
			801217	None detected	0	0	
			801218	None detected	0	0	
			801225	None detected	0	0	
			801226	None detected	0	0	
			801235	None detected	0	0	
			801236	None detected	0	0	
			801242	Lambda-Cyhalothrin	0.009	0.5	
			801253	None detected	0	0	
			801254	None detected	0	0	
			801268	None detected	0	0	
			801269	None detected	0	0	
			801274	Permethrin	0.041	0.05	
			801275	None detected	0	0	
			801276	Lambda-Cyhalothrin	0.009	0.5	
			801280	None detected	0	0	
			801281	pp,-dde	0.006	1	
			801282	None detected	0	0	
			801283	None detected	0	0	
			801288	None detected	0	0	
			801294	None detected	0	0	
			801295	None detected	0	0	
			801296	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801297	None detected	0	0	
			801298	None detected	0	0	
			801299	None detected	0	0	
			801300	None detected	0	0	
			801301	None detected	0	0	
			801302	None detected	0	0	
			801304	None detected	0	0	
			801307	None detected	0	0	
			801309	None detected	0	0	
			801311	None detected	0	0	
			801312	None detected	0	0	
			801313	None detected	0	0	
			801314	None detected	0	0	
			801315	None detected	0	0	
			801336	None detected	0	0	
			801341	None detected	0	0	
			801356	None detected	0	0	
			801357	None detected	0	0	
			801358	None detected	0	0	
			801364	None detected	0	0	
			801365	None detected	0	0	
			801368	None detected	0	0	
			801369	None detected	0	0	
			801370	None detected	0	0	
			801371	None detected	0	0	
			801374	None detected	0	0	
			801377	None detected	0	0	
			801378	None detected	0	0	
			801379	None detected	0	0	
			801381	None detected	0	0	
			801382	None detected	0	0	
			801383	None detected	0	0	
			801386	None detected	0	0	
			801388	None detected	0	0	
			801392	None detected	0	0	
			801394	None detected	0	0	
			801395	None detected	0	0	
			801399	None detected	0	0	
			801400	None detected	0	0	
			801401	None detected	0	0	
			801405	None detected	0	0	
			801414	None detected	0	0	
			801430	None detected	0	0	
			801431	None detected	0	0	
			801434	None detected	0	0	
			801438	None detected	0	0	
			801439	None detected	0	0	
			801440	None detected	0	0	
			801442	None detected	0	0	
			801443	None detected	0	0	
			801444	None detected	0	0	
			801445	None detected	0	0	
			801449	None detected	0	0	
			801451	None detected	0	0	
			801458	None detected	0	0	
			801459	None detected	0	0	
			801460	None detected	0	0	
			801461	None detected	0	0	
			801462	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801466	None detected	0	0	
			801474	None detected	0	0	
			801485	None detected	0	0	
			801489	None detected	0	0	
			801504	None detected	0	0	
			801505	None detected	0	0	
			801514	None detected	0	0	
			801516	None detected	0	0	
			801517	None detected	0	0	
			801533	None detected	0	0	
			801534	None detected	0	0	
			801535	None detected	0	0	
			801536	None detected	0	0	
			801538	None detected	0	0	
			801541	None detected	0	0	
			801548	None detected	0	0	
			801549	None detected	0	0	
			801550	None detected	0	0	
			801551	None detected	0	0	
			801555	None detected	0	0	
			801556	None detected	0	0	
			801558	None detected	0	0	
			801566	None detected	0	0	
			801567	None detected	0	0	
			801569	None detected	0	0	
			801572	pp'-ddt	0.025	1	
			801573	None detected	0	0	
			801574	Cypermethrin	0.1	0.2	
	Cervine Fat	Ireland	801465	pp'-dde	0.006	1	
			801475	None detected	0	0	
			801476	None detected	0	0	
			801477	None detected	0	0	
			801478	None detected	0	0	
			801479	None detected	0	0	
			801480	None detected	0	0	
			801481	None detected	0	0	
			801482	None detected	0	0	
			801483	None detected	0	0	
			801484	None detected	0	0	
			801542	None detected	0	0	
	Equine Fat	Ireland	801223	Hexachlorobenzene	0.006	0.2	
			801224	None detected	0	0	
			801290	None detected	0	0	
			801291	Hexachlorobenzene	0.005	0.2	
			801384	None detected	0	0	
			801385	None detected	0	0	
			801518	None detected	0	0	
			801519	None detected	0	0	
	Ovine Fat	Ireland	801190	None detected	0	0	
			801202	None detected	0	0	
			801203	None detected	0	0	
			801211	None detected	0	0	
			801212	None detected	0	0	
			801213	None detected	0	0	
			801214	None detected	0	0	
			801227	None detected	0	0	
			801228	None detected	0	0	
			801229	None detected	0	0	
			801246	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801247	None detected	0	0	
			801248	None detected	0	0	
			801249	None detected	0	0	
			801262	None detected	0	0	
			801263	None detected	0	0	
			801264	None detected	0	0	
			801265	None detected	0	0	
			801266	None detected	0	0	
			801267	None detected	0	0	
			801273	None detected	0	0	
			801287	None detected	0	0	
			801289	None detected	0	0	
			801303	None detected	0	0	
			801308	pp'-dde	0.011	1	
			801310	None detected	0	0	
			801316	None detected	0	0	
			801317	None detected	0	0	
			801326	None detected	0	0	
			801340	None detected	0	0	
			801342	None detected	0	0	
			801343	None detected	0	0	
			801344	None detected	0	0	
			801347	None detected	0	0	
			801348	None detected	0	0	
			801349	None detected	0	0	
			801352	None detected	0	0	
			801359	pp'-dde	0.005	1	
			801360	None detected	0	0	
			801361	None detected	0	0	
			801366	None detected	0	0	
			801367	None detected	0	0	
			801372	None detected	0	0	
			801373	None detected	0	0	
			801375	None detected	0	0	
			801376	None detected	0	0	
			801380	None detected	0	0	
			801387	Diazinon	0.01	0.7	
			801393	Diazinon	0.042	0.7	
			801396	None detected	0	0	
			801402	None detected	0	0	
			801403	None detected	0	0	
			801404	None detected	0	0	
			801406	None detected	0	0	
			801441	None detected	0	0	
			801446	None detected	0	0	
			801447	None detected	0	0	
			801448	None detected	0	0	
			801450	None detected	0	0	
			801455	None detected	0	0	
			801456	None detected	0	0	
			801457	None detected	0	0	
			801463	None detected	0	0	
			801464	Hexachlorobenzene	0.008	0.2	
			801468	None detected	0	0	
			801469	None detected	0	0	
			801470	None detected	0	0	
			801471	None detected	0	0	
			801472	pp'-dde	0.008	1	
			801473	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801486	None detected	0	0	
			801487	None detected	0	0	
			801488	None detected	0	0	
			801511	None detected	0	0	
			801512	None detected	0	0	
			801513	None detected	0	0	
			801515	None detected	0	0	
			801532	None detected	0	0	
			801547	None detected	0	0	
			801552	Diazinon	0.037	0.7	
			801553	None detected	0	0	
			801554	None detected	0	0	
			801557	None detected	0	0	
			801568	None detected	0	0	
	Porcine Fat	Ireland	801192	None detected	0	0	
			801193	None detected	0	0	
			801196	None detected	0	0	
			801197	2-Phenylphenol	0.01	0.05	
			801198	None detected	0	0	
			801205	None detected	0	0	
			801206	None detected	0	0	
			801243	None detected	0	0	
			801244	None detected	0	0	
			801245	None detected	0	0	
			801260	None detected	0	0	
			801261	None detected	0	0	
			801277	None detected	0	0	
			801278	None detected	0	0	
			801279	None detected	0	0	
			801284	None detected	0	0	
			801285	None detected	0	0	
			801286	None detected	0	0	
			801292	None detected	0	0	
			801293	None detected	0	0	
			801318	None detected	0	0	
			801319	None detected	0	0	
			801320	None detected	0	0	
			801323	None detected	0	0	
			801324	None detected	0	0	
			801325	None detected	0	0	
			801337	None detected	0	0	
			801338	None detected	0	0	
			801339	None detected	0	0	
			801355	None detected	0	0	
			801389	None detected	0	0	
			801390	None detected	0	0	
			801391	None detected	0	0	
			801397	None detected	0	0	
			801398	None detected	0	0	
			801423	None detected	0	0	
			801424	None detected	0	0	
			801426	None detected	0	0	
			801427	None detected	0	0	
			801428	None detected	0	0	
			801452	None detected	0	0	
			801453	None detected	0	0	
			801454	None detected	0	0	
			801499	None detected	0	0	
			801500	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Poultry Fat	Ireland	801501	None detected	0	0	
			801502	None detected	0	0	
			801543	None detected	0	0	
			801544	None detected	0	0	
			801545	None detected	0	0	
			801546	None detected	0	0	
			801562	None detected	0	0	
			801563	None detected	0	0	
			801564	None detected	0	0	
			801565	None detected	0	0	
			801187	2-Phenylphenol	0.022	0.05	
			801219	None detected	0	0	
			801220	None detected	0	0	
			801221	None detected	0	0	
			801252	None detected	0	0	
			801305	2-Phenylphenol	0.016	0.05	
			801306	2-Phenylphenol	0.005	0.05	
			801353	None detected	0	0	
			801354	None detected	0	0	
			801362	None detected	0	0	
			801363	None detected	0	0	
			801407	None detected	0	0	
			801417	None detected	0	0	
			801418	None detected	0	0	
			801420	2-Phenylphenol	0.015	0.05	
			801467	None detected	0	0	
			801530	None detected	0	0	
			801531	None detected	0	0	
			801537	2-Phenylphenol	0.011	0.05	
			801559	None detected	0	0	
			801560	None detected	0	0	
			801561	None detected	0	0	
			801570	None detected	0	0	
			801571	None detected	0	0	
	Cow's Milk	Ireland	801351	None detected	0	0	
			801410	None detected	0	0	
			801490	None detected	0	0	
			801491	None detected	0	0	
			801492	None detected	0	0	
			801494	None detected	0	0	
			801496	None detected	0	0	
			801497	None detected	0	0	
			801498	None detected	0	0	
			801503	None detected	0	0	
			801506	None detected	0	0	
			801507	None detected	0	0	
			801508	None detected	0	0	
			801509	None detected	0	0	
			801510	None detected	0	0	
			801230	None detected	0	0	
			801231	None detected	0	0	
			801232	None detected	0	0	
			801233	None detected	0	0	
			801234	None detected	0	0	
			801237	None detected	0	0	
			801238	None detected	0	0	
			801239	None detected	0	0	
			801240	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
			801241	None detected	0	0	
			801250	None detected	0	0	
			801251	None detected	0	0	
			801255	None detected	0	0	
			801256	None detected	0	0	
			801257	None detected	0	0	
			801258	None detected	0	0	
			801321	None detected	0	0	
			801322	None detected	0	0	
			801327	None detected	0	0	
			801328	None detected	0	0	
			801329	None detected	0	0	
			801330	None detected	0	0	
			801332	None detected	0	0	
			801333	None detected	0	0	
			801345	None detected	0	0	
			801346	None detected	0	0	
			801350	None detected	0	0	
			801409	None detected	0	0	
			801411	None detected	0	0	
			801412	None detected	0	0	
			801413	None detected	0	0	
			801416	None detected	0	0	
			801421	None detected	0	0	
			801422	None detected	0	0	
			801429	None detected	0	0	
			801432	None detected	0	0	
			801433	None detected	0	0	
			801435	None detected	0	0	
			801436	None detected	0	0	
			801437	None detected	0	0	
	Goats Milk	Ireland	801259	None detected	0	0	
	Sheep's Milk	Ireland	801539	None detected	0	0	
			801331	None detected	0	0	
			801419	None detected	0	0	
	Chicken Eggs	Ireland	801270	None detected	0	0	
			801271	None detected	0	0	
			801272	None detected	0	0	
			801334	None detected	0	0	
			801335	None detected	0	0	
			801408	None detected	0	0	
			801415	None detected	0	0	
			801493	None detected	0	0	
			801495	None detected	0	0	
			801540	None detected	0	0	
HONEY	Honey	Ireland	801520	None detected	0	0	
			801521	None detected	0	0	
			801522	None detected	0	0	
			801523	None detected	0	0	
			801524	None detected	0	0	
			801525	None detected	0	0	
			801526	None detected	0	0	
			801527	None detected	0	0	
			801528	None detected	0	0	
			801529	None detected	0	0	
		Unknown	801425	None detected	0	0	
			801222	None detected	0	0	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Poultry Meat	Ireland	850478	None detected	0	0	
			850479	None detected	0	0	
			850480	None detected	0	0	
			850484	None detected	0	0	
			850485	None detected	0	0	
			850486	None detected	0	0	
			850487	None detected	0	0	
			850488	None detected	0	0	
			850489	None detected	0	0	
			850490	None detected	0	0	
			850491	None detected	0	0	
			850492	None detected	0	0	
			850493	None detected	0	0	
		UK	850477	None detected	0	0	
		Unknown	850483	None detected	0	0	
	Porcine Liver	Ireland	850481	None detected	0	0	
			850497	None detected	0	0	
			850502	None detected	0	0	
			850506	None detected	0	0	
	Ovine Liver	Ireland	850482	None detected	0	0	
			850494	None detected	0	0	
			850498	None detected	0	0	
			850499	None detected	0	0	
			850501	None detected	0	0	
			850504	None detected	0	0	
			850505	None detected	0	0	
		UK	850495	None detected	0	0	
	Bovine Liver	Ireland	850496	None detected	0	0	
			850503	None detected	0	0	
		UK	850500	None detected	0	0	
BABYFOOD	Infant Formula	Ireland	850273	None detected	0	0	
			850274	None detected	0	0	
			850275	None detected	0	0	
			850276	None detected	0	0	
			850277	None detected	0	0	
			850278	None detected	0	0	
			850279	None detected	0	0	
			850280	None detected	0	0	
			850281	None detected	0	0	
			850282	None detected	0	0	
			850613	None detected	0	0	
			850614	None detected	0	0	
			850615	None detected	0	0	
			850616	None detected	0	0	
			850617	None detected	0	0	
			850618	None detected	0	0	
			850619	None detected	0	0	
			850620	None detected	0	0	
			850621	None detected	0	0	
ENFORCEMENT EC No.396/2005	Orange	Egypt	850240	Imazalil	9.6	5	MRL breach
				2-Phenylphenol	3.2	5	
		Egypt	850248	Imazalil	5.5	5	MRL Breach
				2-Phenylphenol	2.8	5	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Orange Juice	Egypt	850247	Imazalil	0.3	5	Processed
				2-Phenylphenol	0.15	5	
	Parsnips	Ireland	850670	Tebuconazole	0.043	0.4	
	Grapefruit	Turkey	77919	Chlorpyrifos	0.072	0.3	
				Fenvalerate	0.019	0.02	
				Imazalil	1.35	5	
				2-Phenylphenol	0.045	5	
				Prochloraz	1.53	10	
				Thiabendazole	0.066	5	
				2,4,6-Trichlorophenol	0.15	10	
	Head Cabbage	Ireland	850558	None detected	0	0	
	Turnips	Ireland	850578	None detected	0	0	
	Strawberry	Ireland	850238	Boscalid	0.55	10	
				Fenhexamid	0.44	5	
				Iprodione	0.13	15	
				Myclobutanyl	0.34	1	
				Pirimicarb	1.5	3	
				Pyraclostrobin	0.074	1.5	
	Potatoes	Ireland	850380	None detected	0	0	
	Table Grape	Peru	77974	Fenhexamid	0.087	5	
				Iprodione	0.02	10	
				Myclobutanyl	0.01	1	
			77975	Boscalid	0.062	5	
				Iprodione	0.012	10	
				Pyraclostrobin	0.025	1	
				Tebuconazole	0.087	2	
				Trifloxystrobin	0.026	5	
		S Africa	77976	Ethephon	0.24	0.7	
				Famoxadone	0.018	2	
				Fenhexamid	0.31	5	
				Fluopicolide	0.047	2	
				Fluopyram	0.24	1.5	
				Pyrimethanil	0.012	5	
EC No 669/2009	Orange	Egypt	77937	2,4-D	0.086	1	
				Chlorpyrifos	0.017	0.3	
				Imazalil	1.73	5	
				Thiabendazole	1.09	5	
			77989	Chlorpyrifos-Methyl	0.18	0.5	
				Imazalil	1.76	5	
				Lambda-Cyhalothrin	0.016	0.2	
				2-Phenylphenol	3	5	
			850018	Thiabendazole	1.27	5	
				Chlorpyrifos	0.18	0.3	
				Imazalil	1.67	5	
				2-Phenylphenol	0.17	5	
			850101	Thiabendazole	0.083	5	
				Imazalil	4	5	
				2-Phenylphenol	0.026	5	
				Thiabendazole	2.8	5	
			850120	Chlorpyrifos	0.034	0.3	
				Chlorpyrifos-Methyl	0.13	0.5	
				Imazalil	1.9	5	
				Lambda-Cyhalothrin	0.012	0.2	
			850141	2-Phenylphenol	4.5	5	
				Thiabendazole	1.5	5	
				Imazalil	2.8	5	
				2-Phenylphenol	0.011	5	
				Pyrimethanil	0.85	10	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Pyriproxyfen	0.017	0.6	
				Thiabendazole	1.5	5	
			850184	Chlorpyrifos	0.09	0.3	
				Imazalil	2.1	5	
				2-Phenylphenol	0.89	5	
				Pyrimethanil	0.46	10	
				Thiabendazole	0.83	5	
			850185	2,4-D	0.09	1	
				Imazalil	1.9	5	
				2-Phenylphenol	0.019	5	
				Pyrimethanil	0.27	10	
				Pyriproxyfen	0.022	0.6	
				Thiabendazole	0.9	5	
			850228	Imazalil	1.6	5	
				2-Phenylphenol	0.01	5	
				Pyrimethanil	1	10	
				Thiabendazole	0.46	5	
			850229	Imazalil	8.1	5	MRL breach
				2-Phenylphenol	6.5	5	
				Pyrimethanil	4.9	10	
				Pyriproxyfen	0.012	0.6	
				Thiabendazole	3	5	
			850249	Imazalil	2.6	5	
				2-Phenylphenol	0.02	5	
				Pyrimethanil	1.5	10	
				Thiabendazole	0.85	5	
			850262	Chlorpyrifos	0.02	0.3	
				Chlorpyrifos-Methyl	0.081	0.5	
				Imazalil	2.2	5	
				Lambda-Cyhalothrin	0.018	0.2	
				2-Phenylphenol	2.9	5	
				Thiabendazole	0.86	5	
	Peas With Pods	Kenya	77836	Azoxystrobin	0.064	3	
				Carbendazim	0.024	0.2	
				Chlorothalonil	0.36	2	
				Difenoconazole	0.01	1	
				Imidacloprid	0.014	5	
			77884	None detected	0	0	
			850078	Azoxystrobin	0.01	3	
				Tebuconazole	0.054	2	
			850115	Azoxystrobin	0.05	3	
				Difenoconazole	0.07	1	
			850182	Lambda-Cyhalothrin	0.017	0.2	
			850246	Azoxystrobin	0.01	3	
			850361	None detected	0	0	
			850364	Carbendazim	0.043	0.2	
			850421	Tebuconazole	0.012	2	
			850531	None detected	0	0	
			850571	Chlorothalonil	0.46	2	
			850573	Azoxystrobin	0.023	3	
			850590	Azoxystrobin	0.033	3	
			850811	Azoxystrobin	0.011	3	
				Chlorothalonil	0.012	2	
				Tebuconazole	0.018	2	
			850814	Azoxystrobin	0.062	3	
				Chlorpyrifos	0.029	0.05	
				Famoxadone	0.01	0.02	
				Omethoate	0.027	0.02	
				Dimethoate	0.024	0.02	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
				Dimethoate(sum)	0.051	0.02	MRL breach
				Profenofos	0.02	0.01	MRL breach
			850117	Carbendazim	0.028	0.2	
			77837	None detected	0	0	
			850079	Deltamethrin	0.01	0.2	
			850160	Azoxystrobin	0.025	3	
			850330	Azoxystrobin	0.018	3	
				Chlorothalonil	0.084	2	
			850362	Azoxystrobin	0.052	3	
				Chlorothalonil	0.063	2	
				Tebuconazole	0.017	2	
			850365	Azoxystrobin	0.022	3	
				Dimethoate	0.017	0.02	
			850574	Cypermethrin	0.02	0.7	
			850591	Imidacloprid	0.016	5	
				Tebuconazole	0.055	2	
			850812	Chlorothalonil	0.02	2	
				Difenoconazole	0.051	1	
				Imidacloprid	0.013	5	
				Tebuconazole	0.028	2	
			850815	Azoxystrobin	0.044	3	
				Carbendazim	0.098	0.2	
				Lambda-Cyhalothrin	0.011	0.2	
				Tebuconazole	0.18	2	
	Pepper	Turkey	850422	None detected	0	0	
			850760	None detected	0	0	
	Strawberry	Egypt	77838	None detected	0	0	
			77856	None detected	0	0	
			77872	None detected	0	0	
			77874	None detected	0	0	
			77895	Iprodione	1.48	15	
			77897	Pyraclostrobin	0.011	1.5	
			77906	None detected	0	0	
			77917	None detected	0	0	
			77926	Boscalid	0.016	10	
				Iprodione	0.042	15	
			850873	None detected	0	0	
			850885	None detected	0	0	
			850892	Iprodione	0.026	15	
			850894	Chlorpyrifos	0.017	0.2	
				Iprodione	0.024	15	
			850898	None detected	0	0	
			850899	None detected	0	0	
			850901	None detected	0	0	
	Table Grape		850863	Boscalid	0.2	5	
				Cyprodinil	0.34	5	
				Ethephon	0.19	0.7	
				Fludioxonil	0.14	5	
				Trifloxystrobin	0.01	5	
			850878	Fenhexamid	0.12	5	
				Iprodione	0.28	10	
			850900	Fenhexamid	0.047	5	
				Iprodione	0.24	10	
	Okra	India	850261	None detected	0	0	
			77873	Atrazine	0.01	0.05	
			77988	None detected	0	0	
			850119	None detected	0	0	
			850183	Acetamiprid	0.012	0.2	
				Bifenthrin	0.021	0.2	

CATEGORY	COMMODITY	ORIGIN	SAMPLE ID	Pesticide	RESIDUE mg kg ⁻¹	MRL mg kg ⁻¹	NOTE
	Beans With Pod	Kenya	850331	None detected	0	0	
			850801	Carbendazim	0.036	2	
				Imidacloprid	0.018	0.5	
				Permethrin	0.2	0.05	MRL breach
			77835	Imidacloprid	0.023	2	
			77839	None detected	0	0	
			77883	Cyfluthrin	0.026	0.1	
				Imidacloprid	0.011	2	
				Lambda-Cyhalothrin	0.044	0.2	
			77896	Iprodione	0.032	5	
			77987	Iprodione	0.052	5	
			850017	Chlorpyrifos	0.01	0.05	
			850077	None detected	0	0	
			850080	None detected	0	0	
			850116	Carbendazim	0.14	0.2	
				Deltamethrin	0.019	0.2	
			850118	None detected	0	0	
			850159	None detected	0	0	
			850181	None detected	0	0	
			850245	None detected	0	0	
			850260	None detected	0	0	
			850329	Acrinathrin	0.011	0.3	
				Chlorantraniliprole	0.02	0.5	
			850359	Pirimicarb	0.01	1	
			850360	Acetamiprid	0.075	0.15	
				Azoxystrobin	0.087	3	
				Difenoconazole	0.035	1	
			850363	Acephate	0.014	0.01	MRL breach
				Deltamethrin	0.023	0.2	
			850394	None detected	0	0	
			850405	None detected	0	0	
			850420	Deltamethrin	0.031	0.2	
			850433	Acephate	0.027	0.01	MRL breach
				Carbendazim	0.083	0.2	
				Cypermethrin	0.026	0.7	
				Methamidophos	0.015	0.01	MRL breach
			850454	None detected	0	0	
			850466	None detected	0	0	
			850515	None detected	0	0	
			850530	Imidacloprid	0.045	2	
			850572	Carbendazim	0.11	0.2	
				Cypermethrin	0.02	0.7	
			850579	None detected	0	0	
			850589	None detected	0	0	
			850608	Azoxystrobin	0.013	3	
			850655	Azoxystrobin	0.085	3	
				Difenoconazole	0.036	1	
			850697	Difenoconazole	0.01	1	
				Methoxyfenozide	0.052	2	
			850740	Lambda-Cyhalothrin	0.021	0.2	
			850759	None detected	0	0	
			850800	None detected	0	0	
			850810	None detected	0	0	
			850813	Deltamethrin	0.013	0.2	
			850862	None detected	0	0	
			850893	Spiromesifen	0.049	1	
			850300	None detected	0	0	
	Green Tea	China					

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

**Pesticide Control Laboratory,
Department of Agriculture, Food and the Marine Laboratories,
Backweston Campus,
Celbridge,
Co. Kildare.
Ireland.**

Telephone: (01) 615 7552
Fax: (01) 615 7575
Email: pcs@agriculture.gov.ie

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