



2009 New Zealand Total Diet Study: Analytical Results Q3

NZFSA Information Report

December 2009

ISBN number 978-0-478-33709-9

IMPORTANT DISCLAIMER

Every effort has been made to ensure the information in this report is accurate.

NZFA does not accept any responsibility or liability whatsoever for any error of fact, omission, interpretation or opinion that may be present, however it may have occurred.

Further copies

Requests for further copies should be directed to:

New Zealand Food Safety Authority

P O Box 2835

WELLINGTON

Telephone : (04) 894-2500

Fax : (04) 894-2501

Website

A copy of this document can be found at <http://www.nzfa.govt.nz/science/research-projects/total-diet-survey/2009.htm>

Table of contents

1	Introduction.....	5
2	Sampling methods.....	5
2.1	Quarter 3 (Q3) sampling.....	5
2.2	Retail outlets.....	5
2.3	Range of brands / Use by dates / Batch numbers	5
2.4	Sampling - regional foods.....	6
2.5	Sample preparation	6
3	Analyte list.....	7
3.1	Elements.....	7
3.1.1	Elements analysed for in the 2009 NZTDS.....	7
3.2	Agricultural compounds.....	7
3.2.1	Multi-residue screen in the 2009 NZTDS.....	8
3.2.2	DTC screen in the 2009 NZTDS	9
3.3	Analyses.....	9
4	Analytical results	10
4.1	Analytical quality control.....	10
4.2	Elements.....	10
4.2.1	Arsenic	11
4.2.2	Cadmium.....	13
4.2.3	Iodine.....	15
4.2.4	Lead 17	
4.2.5	Mercury	19
4.2.6	Methylmercury.....	21
4.2.7	Selenium	22
4.2.8	Sodium	24
4.3	Agricultural compounds.....	26
4.3.1	Agricultural compounds not detected in any food in Q3 of 2009 NZTDS	27
4.3.2	Alachlor	29
4.3.3	Bifenthrin	31
4.3.4	Bitertanol	33
4.3.5	Buprofezin	35
4.3.6	Captan.....	37
4.3.7	Carbaryl.....	39
4.3.8	Chlorothalonil	41

4.3.9	Chlorpyrifos	43
4.3.10	Chlorpyrifos-methyl	45
4.3.11	Cyanophos	47
4.3.12	Cyproconazole	49
4.3.13	Cyprodinil	51
4.3.14	4,4 DDE.....	53
4.3.15	Deltamethrin	55
4.3.16	Diazinon	57
4.3.17	Dichloran	59
4.3.18	Dieldrin	61
4.3.19	Difenoconazole	63
4.3.20	Dimethoate	65
4.3.21	Diphenylamine	67
4.3.22	Diuron.....	69
4.3.23	Endosulfan II.....	71
4.3.24	Endosulfan sulphate.....	73
4.3.25	Ethion	75
4.3.26	Fenarimol	77
4.3.27	Fenchlorphos.....	79
4.3.28	Fenitrothion	81
4.3.29	Fenpropathrin	83
4.3.30	Flamprop-methyl	85
4.3.31	Fludiozonil	87
4.3.32	Fluvalinate	89
4.3.33	Furathiocarb	91
4.3.34	Haloxyfop-methyl	93
4.3.35	Imazalil	95
4.3.36	Indoxacarb.....	97
4.3.37	Iprodione	99
4.3.38	Linuron	101
4.3.39	Malathion.....	103
4.3.40	Metalaxyl	105
4.3.41	Methamidophos.....	107
4.3.42	Myclobutanil	109
4.3.43	Omethoate.....	111
4.3.44	Penconazole.....	113
4.3.45	Piperonyl-butoxide	115
4.3.46	Pirimicarb	117

4.3.47	Pirimiphos-methyl.....	119
4.3.48	Procymidone	121
4.3.49	Propaphos	123
4.3.50	Propham.....	125
4.3.51	Propiconazole	127
4.3.52	Pyrimethanil.....	129
4.3.53	Tebuconazole.....	131
4.3.54	Tebuconazole.....	131
4.3.54	Tebuconazole.....	131
4.3.54	Tebuconazole.....	131
4.3.55	Thiometon	135
4.3.56	Tolyflunid	137
4.3.57	Triadimefon	139
4.3.58	Trifloxystrobin	141
4.3.59	Dithiocarbamate fungicides.....	143
5	Glossary of terms and abbreviations	145
6	Appendix 1 Background to the 2009 NZTDS	147
6.1	Objectives.....	147
6.2	Timetable.....	148
6.3	Foods.....	148
6.4	Reporting	149
7	Appendix 2 Food list and associated analyses in the 2009 NZTDS	150

1 Introduction

This report presents the analytical results from the third of four quarterly sampling periods to be carried out during the 2009 New Zealand Total Diet Study (NZTDS).

Background to the current study is provided in Appendix 1. The Food List is detailed in Appendix 2.

2 Sampling methods

2.1 Quarter 3 (Q3) sampling

The sampling carried out in Q3 was for regional foods (explained and listed in Appendix 1). Q3 sampling was carried out on five successive Mondays, with different foods being sampled each week.

Regional food sampling is carried out in Auckland, Christchurch, Dunedin and Napier.

Dates for Q3 sampling: Monday 27 July; 3, 10, 17, 24 August 2009.

2.2 Retail outlets

Wherever possible, the purchasing of any particular food has been carried out over a range of retail outlets representing the buying habits of the majority of the community. This meant that the bulk of purchases were made at supermarkets, however, corner stores, delicatessens, butchers and green grocers have been included where appropriate.

2.3 Range of brands / Use by dates / Batch numbers

The brands to be purchased were suggested in the 2009 NZTDS procedures manual (Vannoort, 2009). These were based on data for the most commonly purchased brands. A range of use by dates or batch numbers within each brand were included to increase the range of products being sampled.

Where imported and domestic lines were available for a particular food, the purchasing officer selected a mixture. Imports which are boutique or specialised lines were avoided.

2.4 Sampling - regional foods

These instructions applied to the sampling of regional (R) foods for any one (seasonal) sampling. Each food will be sampled at two different times of year (seasons).

All regional foods involved the four purchases of each food in each of four geographical regions. The four purchases allowed a greater range of retail outlets to be represented in the sampling.

This effectively resulted in a minimum of sixteen (16) samples of each food arriving at the food preparation laboratory. The four purchases from each geographical region were composited in all cases by the food preparation laboratory. For all foods, the different regional samples were analysed individually for all applicable analytes.

2.5 Sample preparation

As the primary purpose of the NZTDS is to estimate dietary exposure to chemical residues, contaminant elements and selected nutrients, foods are analysed on an 'as consumed' basis (i.e. banana, peeled; meat, cooked). Detailed procedures for sample preparation were specified in the procedures manual (Vannoort, 2009). All water used in food preparation was distilled.

Sample preparation was carried out by the Institute of Environmental Science and Research (ESR) Food Safety Group, Christchurch Science Centre.

3 Analyte list

3.1 Elements

Eight elements are included for analysis in the 2009 NZTDS. The table below lists the elements, the analytical methodologies used and the foods which were analysed. It should be noted that Q3 involved analysis of regional foods only and that for some elements not all foods are analysed (as indicated in the table below).

3.1.1 Elements analysed for in the 2009 NZTDS

Element	Method of analysis	Foods to be analysed
Arsenic (As)	ICP-MS	All
Cadmium (Cd)	ICP-MS	All
Iodine (I)	ICP-MS	All
Lead (Pb)	ICP-MS	All
Mercury (Hg)	ICP-MS	All, except grains and high fat foods
Methylmercury (MeHg)	SPME-GCMS	Only fish, shellfish and related products, infant formula
Selenium (Se)	ICP-MS	All, except fats & oils
Sodium (na)	ICP-OES	All

ICP-MS = inductively-coupled plasma mass spectrometry

ICP-OES = inductively-coupled plasma optical emission spectrometry

SPME GCMS – Solid Phase Micro Extraction Gas Chromatography Mass Spectrometry

3.2 Agricultural compounds

Testing of foods in the 2009 NZTDS for residues of agricultural compounds is undertaken by way of two separate screens. A multi-residue (MR) screen of 243 compounds that includes organochlorine pesticides, organophosphorus pesticides, pyrethroids, fungicides, and a number of other agricultural compounds not included in these groups. A separate screen for eight dithiocarbamate compounds, analysed as carbon disulphide (CS₂).

3.2.1 Multi-residue screen in the 2009 NZTDS

All foods included in Q3 were analysed for agricultural compound residues by the multi-residue screen method.

Acephate	4,4' - DDT	Flusilazole	Phosalone
Acetochlor	Delta-BHC	Flutriafol	Phosmet
Acrinathrin	Deltamethrin	Fluvalinate	Phosphamidon
Alachlor	Demeton-S-methyl	Folpet	Piperonyl-butoxide
Aldrin	Diazinon	Fonofos	Pirimicarb
Alpha-BHC	Dichlobenil	Furalaxyl	Pirimiphos-methyl
Atrazine	Dichlofenthion	Furathiocarb	Prochloraz
Atrazine - desethyl	Dichlofluaniid	gamma-BHC (Lindane)	Procymidone
Atrazine - desisopropyl	Dichloran	Halfenprox	Profenofos
Azaconazole	Dichlorvos	Haloxfop-methyl	Prometryn
Azinphos-methyl	Dicofol	Heptachlor	Propachlor
Azoxystrobin	Dicrotophos	Heptachlor epoxide	Propanil
Benalaxyl	Dieldrin	Heptenophos	Propaphos
Bendiocarb	Diemthomorph	Hexachlorobenzene	Propargite
Benodanil	Difenoconazole	Hexaconazole	Propazine
Benoxacor	Diflufenican	Hexazinone	Propetamphos
Beta-BHC	Dimethanamid	Hexythiazox	Propham
Bifenox	Dimethoate	Imazalil	Propiconazole
Bifenthrin	Dimethylvinphos	Indoxacarb	Propoxur
Bioresmethrin	Dinocap	Iodofenphos	Propyzamide
Bitertanol	Dioxabenzofos	Iprobenfos	Prothiofos
Bromacil	Diphenamid	Iprodione	Pyraclufos
Bromophos-ethyl	Diphenylamine	Isazophos	Pyrazophos
Bromopropylate	Disulfoton	Isafenphos	Pyrazoxyfen
Bupirimate	Diuron	Isoprocab	Pyrethrin
Buprofezin	Edifenphos	Kresoxim-methyl	Pyrifenox
Butachlor	Endosulfan I	Leptophos	Pyrimethanil
Butamifos	Endosulfan II	Linuron	Pyriproxyfen
Cadusafos	Endosulfan sulphate	Malathion	Quinalophos
Captafol	Endrin	Mepronil	Quintozene
Captan	Endrin aldehyde	Metalaxyl	Quizalofop-methyl
Carbaryl	Endrin ketone	Metalochlor	Sethoxydim
Carbofenthion	EPN	Methacrifos	Simazine
Carbofuran	Epoconazole	Methamidophos	Simetryn
Carboxin	EPTC	Methiathion	Sulfentrazone
Chlorfenapyr	Esfenvalerate	Methiocarb	Sulfotep
Chlorfenvinphos	Esprocarb	Methoxychlor	Tebuconazole
Chlorfluazuron	Ethion	Metribuzin	Tebufenpyrad
Chlorobenzilate	Ethofumesate	Mevinphos	Tefluthrin
Chlorothalonil	Ethoprophos	Molinate	Terbacil

Chlorpropham	Ethoxyquin	Monocrotophos	Terbufos
Chlorpyrifos	Etridiazole	Myclobutanil	Terbumeton
Chlorpyrifos-methyl	Etrimfos	Naled	Terbuthylazine
Chlorthal-dimethyl	Famphur	Napropamide	Terbuthylazine-desethyl
Chlortoluron	Fenamiphos	Nitrofen	Terbutryn
Chlozolinat	Fenarimol	Nitrothal-isopropyl	Tetrachorvinphos
cis-Chlordane	Fenchlorphos	Norflurazon	Tetradifon
Clomazone	Fenitrothion	Omethoate	Thenylchlor
Coumaphos	Fenobucarb	Oxadiazon	Thiobencarb
Cyanazine	Fenoxaprop-ethyl	Oxadixyl	Thiometon
Cyanophos	Fenpiclonil	Oxychlordane	Tolclofos-methyl
Cyfluthrin	Fenpropathrin	Oxyfluorfen	Tolyflunid
Cyhalothrin	Fenpropimorph	Paclobutrazol	Trans-chlordane
Cypermethrin	Fensulfothion	Parathion-ethyl	Triadimefon
Cyproconazole	Fenthion	Parathion-methyl	Tri-allate
Cyprodinil	Fenvalerate	Penconazole	Triazophos
2,4' - DDD	Flamprop-methyl	Pencyuron	Tridimenol
2,4' - DDE	Fluazifop-butyl	Pendimethalin	Trifloxystrobin
2,4' - DDT	Flucythrinate	Permethrin	Trifluralin
4,4' - DDD	Fludioxonil	Phenthoate	Vinclozolin
4,4' - DDE	Fluometuron	Phorate	

3.2.2 DTC screen in the 2009 NZTDS

The dithiocarbamate (DTC) fungicides require a separate screen and this analysis covers, but does not distinguish between:

Dithane	Mancozeb	Nabam	Zinab
Ferbam	Maneb	Thiram	Ziram

3.3 Analyses

All analyses (agricultural compounds, elements and moisture) have been carried out by R J Hill Laboratories, Hamilton, New Zealand.

For Q3 the agricultural compound screens were undertaken on a Gas Chromatography Triple Quadruple Mass Spectrometry detection system. The multi-residue screen includes three additional compounds that were not analysed for in Q1 or Q2 and the limit of reporting (LOR) for over 200 of the compounds has been improved. The analysis for Q4 will also be undertaken by this method.

4 Analytical results

4.1 Analytical quality control

Trace analyses of a wide range of compounds in a variety of complex matrices is an exacting science. A range of quality control procedures were therefore employed to provide confidence in the methodology and the validity of results. R J Hill Laboratories is an internationally accredited laboratory with ISO/IEC 17025, as such they maintain a range of internal quality controls including analysing samples in duplicate, spiked recoveries, internal standardisation and the use of Internationally Certified Reference Materials (CRMs). Some samples are also submitted to the laboratory as 'blind' repeat samples i.e. the laboratory is not made aware of that feature of the sample. In addition all results are scrutinised by an independent expert and any results that indicate an unusual finding are re-analysed. Transcription errors are avoided as the test results are directly and electronically transferred to the NZFSA database from the Laboratory Information Management System (LIMS).

4.2 Elements

For the elements analysed, results are reported per analyte for all foods analysed in this quarter. Although not an element, methylmercury has been included separately in this section as it contributes directly to total mercury, and it will contribute towards more accurate exposure assessment.

All elemental results reported are on a 'foods as consumed' basis. Moisture contents of the foods have also been separately determined, but are not detailed in this report.

Elements are naturally occurring and ubiquitous in our environment. As such, if the concentration of a certain element in a food was 'not detected' it is highly likely that it is present, but at levels less than the limit of detection. In this report, 'not detected' results in the following tables are designated 'nd' and the associated limit of detection given at the foot of each table for each element, as they vary dependent on analyte and food matrix type (dry/fatty, fresh, liquid, water).

Where samples were 'not analysed' for a particular food/analyte combination, this is designated by 'na' in the table or the foods are listed in a separate table. This occurs primarily for total mercury and methylmercury analyses. Samples were not analysed for these elements because there was little likelihood of the element being detected using the current analytical techniques.

4.2.1 Arsenic

4.2.1.1 Total Arsenic content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	0.0677	0.0652	0.1109	0.091
Beef, corned	0.0047	nd	0.0026	0.0044
Beef, mince	nd	0.0021	0.0052	0.0084
Beef, rump	0.0042	0.0042	0.0047	nd
Bread, mixed grain	0.0076	nd	nd	nd
Bread, wheatmeal	0.0059	nd	0.0051	0.0052
Bread, white	0.0085	nd	nd	0.0079
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	0.0047	0.0083	0.0078	0.0044
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0044	0.0037	0.0064	0.0048
Chinese Dish	nd	nd	0.0039	0.0134
Coffee beans, ground	nd	0.0016	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0054	0.009	0.008	0.0085
Eggs	0.0047	0.0041	0.0055	0.0057
Fish in batter	1.5344	5.8091	3.3948	2.68
Fish, fresh	2.0734	5.1354	4.3145	3.0617
Grapes	nd	0.0036	nd	nd
Ham	0.007	0.0092	0.0078	0.0054
Hamburger, plain	0.0064	0.0074	0.0044	0.0084
Indian Dish	0.0178	0.0101	0.0043	0.0123
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	0.008	0.0028
Lettuce	nd	nd	nd	nd
Meat pie	0.0033	0.0021	0.0035	0.0043
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0062	nd	0.0086	0.0083
Mushrooms	0.3893	0.1377	0.1653	0.228
Mussels	1.6929	3.4215	2.2224	2.1118
Nectarines	0.0043	nd	0.009	0.0094
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	2.4104	2.1513	1.6266	2.0716
Pear	0.0025	0.0031	0.0058	0.0058
Pizza	0.0055	0.0066	0.0094	nd
Pork Chop	0.0099	nd	0.0072	0.0029
Potato, hot chips	0.0022	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	0.0031	0.0049
Silverbeet	nd	nd	nd	0.0056
Strawberries	0.0036	0.0022	0.0037	0.005
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	0.0031
Wheat biscuit cereal	0.0231	0.0185	0.0195	0.0242

nd = not detected.

Limit of detection for total Arsenic = 0.001 mg/kg (water or liquid) / 0.002 mg/kg (high moisture, solid samples) / 0.005 mg/kg (semi moist) / or 0.010 mg/kg (fatty, low moisture solid samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.2 Cadmium

4.2.2.1 Cadmium content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	0.0156	0.0159	0.0204	0.0233
Bacon	0.0016	nd	0.0011	0.001
Beef, corned	0.0017	0.0016	0.0014	0.0036
Beef, mince	0.0005	nd	nd	nd
Beef, rump	0.0005	nd	0.0008	0.0009
Bread, mixed grain	0.0088	0.0213	0.0279	0.011
Bread, wheatmeal	0.0088	0.0239	0.0301	0.0113
Bread, white	0.0052	0.0204	0.0233	0.0063
Broccoli/Cauliflower	0.0035	0.0089	0.0057	0.0103
Butter	nd	nd	nd	nd
Cabbage	0.0017	0.0024	0.0037	0.0048
Cake, plain	0.0054	0.0063	0.0052	0.0038
Capsicum	0.0025	0.0049	0.0025	0.0037
Carrots	0.0273	0.0387	0.0327	0.0253
Celery	0.0336	0.0249	0.0152	0.0238
Chicken Takeaway	0.0048	0.0035	0.0047	0.005
Chinese Dish	0.0068	0.0051	0.0062	0.0044
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.0009	0.0009	0.0007	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	0.0004	nd	nd	0.0008
Fish in batter	0.0021	0.0133	0.0083	0.0045
Fish, fresh	0.0016	0.0051	0.0015	0.001
Grapes	0.0006	0.0006	0.0006	nd
Ham	0.0031	0.0049	0.0046	0.0039
Hamburger, plain	0.0051	0.0065	0.0131	0.0053
Indian Dish	0.0058	0.0088	0.008	0.0092
Kiwifruit	0.0005	0.0005	0.0006	0.0006
Kumara	0.0034	0.0026	0.0022	0.0037

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	0.0011	0.0014	0.0005	0.0004
Lambs liver	0.0972	0.1062	0.1313	0.2389
Lettuce	0.0086	0.0092	0.0123	0.0399
Meat pie	0.003	0.008	0.0043	0.0027
Melon	0.0043	0.0009	0.0011	0.0013
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	0.0238	nd	nd	nd
Milk, flavoured	0.0009	0.001	0.0012	0.0004
Muffin	0.0133	0.0089	0.0097	0.0081
Mushrooms	0.0083	0.0046	0.0057	0.0069
Mussels	0.1048	0.3579	0.2372	0.2187
Nectarines	0.0004	0.0005	0.0007	0.0005
Onions	0.0314	0.0109	0.0136	0.0128
Oranges	nd	nd	0.0004	nd
Oysters	0.4003	1.4994	2.353	0.1946
Pear	0.0037	0.0031	0.0021	0.0037
Pizza	0.0076	0.0069	0.0066	0.0123
Pork Chop	0.0004		0.0033	0.0009
Potato, hot chips	0.0383	0.0325	0.0355	0.0407
Potatoes with skin	0.0399	0.0365	0.0471	0.0331
Potatoes, peeled	0.029	0.0238	0.0263	0.0236
Pumpkin	0.012	0.0064	0.0049	0.0045
Sausages	0.0038	0.0036	0.0054	0.0041
Silverbeet	0.0157	0.0096	0.0366	0.0077
Strawberries	0.0006	0.0009	0.0021	0.0006
Taro	0.0094	0.009	0.0053	0.0113
Tomato	nd	0.0029	nd	0.0007
Water, bottled	nd	nd	0.0002	nd
Water, tap	0.0027	nd	0.0003	0.0002
Wheat biscuit cereal	0.0139	0.0107	0.0178	0.0148

nd = not detected.

Limit of detection for Cadmium = 0.0002 mg/kg (liquid) / 0.0004 mg/kg (high moisture) / 0.0020 mg/kg (fatty or low moisture sample).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.3 Iodine

4.2.3.1 Iodine content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	0.0105	0.0111	0.0094	0.0097
Beef, corned	0.4009	0.0277	0.019	0.2255
Beef, mince	0.0099	0.0074	0.0093	0.0054
Beef, rump	0.0092	0.0044	0.011	0.0058
Bread, mixed grain	0.008	nd	0.011	0.0843
Bread, wheatmeal	nd	nd	nd	0.0827
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	0.0023	nd	nd	nd
Butter	0.0155	0.0164	0.014	0.0156
Cabbage	0.0118	nd	nd	nd
Cake, plain	0.1287	0.1007	0.1009	0.1094
Capsicum	nd	nd	nd	0.015
Carrots	0.0024	nd	0.0039	nd
Celery	0.0066	nd	nd	0.0048
Chicken Takeaway	0.0226	0.0388	0.0416	0.0326
Chinese Dish	0.0047	0.0053	0.2636	0.0089
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.0046	0.0022	nd	0.0029
Cream	0.0464	0.088	0.0964	0.0407
Cucumber	nd	nd	nd	nd
Eggs	0.5985	0.6484	0.3804	0.4728
Fish in batter	0.0663	0.0868	0.1552	0.107
Fish, fresh	0.2645	0.1551	0.1735	0.2467
Grapes	nd	0.0023	nd	nd
Ham	0.0288	0.0401	0.0411	0.0465
Hamburger, plain	0.0342	0.0084	0.0147	0.0171
Indian Dish	0.1299	0.018	0.0849	0.031
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	0.0028	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	0.0176	0.0111	0.0091	0.0075
Lambs liver	0.0374	0.0169	0.2586	0.0372
Lettuce	0.0046	nd	0.0026	0.003
Meat pie	0.0056	0.0044	0.0048	0.1257
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	0.1038	0.1565	0.1419	0.1527
Milk, < or = 0.5% (Trim)	0.0888	0.188	0.1916	0.1618
Milk, flavoured	0.0929	0.1391	0.1163	0.1142
Muffin	0.0593	0.0524	0.0421	0.0833
Mushrooms	nd	nd	nd	nd
Mussels	1.8798	1.2464	0.7224	1.3406
Nectarines	nd	nd	nd	nd
Onions	0.0099	0.0101	nd	0.0119
Oranges	nd	nd	nd	nd
Oysters	1.0802	1.1623	0.9674	1.0713
Pear	nd	nd	nd	nd
Pizza	0.0236	0.0333	0.0381	0.0397
Pork Chop	0.0091	0.0059	0.0067	0.0094
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	0.0108	0.0038
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	0.1461	0.0207	0.0294	0.039
Silverbeet	0.0561	0.0065	0.0042	0.0062
Strawberries	0.0028	nd	nd	0.0046
Taro	nd	0.0021	0.0044	0.0023
Tomato	nd	nd	nd	nd
Water, bottled	0.0014	0.0014	nd	nd
Water, tap	0.0036		nd	0.0053
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of detection for Iodine = 0.001 mg/kg (liquid) / 0.002 mg/kg (high moisture samples) / 0.010 mg/kg (fatty or low moisture samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.4 Lead

4.2.4.1 Lead content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	0.0045	0.0027	0.0038	0.0035
Beef, corned	0.0051	0.0071	0.0021	0.004
Beef, mince	nd	0.004	nd	nd
Beef, rump	nd	0.0038	nd	0.0021
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	0.0054	nd	nd	0.0107
Bread, white	0.0071	nd	nd	0.0095
Broccoli/Cauliflower	0.0066	0.0062	0.0029	nd
Butter	0.0354	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	0.0124	nd	0.0061
Capsicum	nd	0.0024	nd	nd
Carrots	nd	0.0024	nd	0.0121
Celery	0.0023	nd	0.0041	nd
Chicken Takeaway	0.0541	nd	0.0174	0.0428
Chinese Dish	nd	0.0038	nd	0.0041
Coffee beans, ground	0.0015	0.0012	0.0032	0.0043
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0022	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	0.0063	nd	0.0036
Fish, fresh	nd	0.0035	nd	0.002
Grapes	nd	nd	0.0035	0.003
Ham	0.0103	0.0062	0.0032	0.0034
Hamburger, plain	0.0031	0.0146	0.0068	0.0023
Indian Dish	0.0064	0.0092	0.0149	0.0072
Kiwifruit	0.0035	0.0023	nd	nd
Kumara	nd	0.0021	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	0.0022	nd	nd	0.003
Lambs liver	0.0179	0.0533	0.0396	0.0195
Lettuce	nd	nd	0.006	nd
Meat pie	0.0024	0.0024	nd	0.0021
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	0.0012	0.0011	nd
Muffin	0.0061	0.0156	0.0105	0.0184
Mushrooms	nd	nd	nd	nd
Mussels	0.1375	0.11	0.1093	0.1068
Nectarines	nd	nd	nd	nd
Onions	nd	0.0025	0.0023	nd
Oranges	nd	0.0046	0.0047	nd
Oysters	0.0768	0.0455	0.043	0.0359
Pear	nd	0.0021	0.0023	nd
Pizza	0.0066	0.0061	0.0044	0.005
Pork Chop	nd	nd	0.0021	nd
Potato, hot chips	0.0028	0.0027	0.0037	0.005
Potatoes with skin	nd	0.0051	0.003	0.0049
Potatoes, peeled	nd	nd	0.0026	nd
Pumpkin	nd	nd	0.0121	nd
Sausages	0.0052	0.0041	0.002	0.0081
Silverbeet	0.0122	0.0099	0.0055	0.0117
Strawberries	0.005	nd	nd	0.0027
Taro	nd	nd	nd	nd
Tomato	0.0023	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	0.0004	0.0005	0.0002
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of detection for Lead = 0.001 mg/kg (liquid) / 0.002 mg/kg (high moisture) / or 0.010 mg/kg (fatty or low moisture samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.5 Mercury

4.2.5.1 Total Mercury content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	0.0051	nd
Fish in batter	0.1479	0.4694	0.2741	0.216
Fish, fresh	0.1551	0.1107	0.0802	0.1387
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd
Lamb/mutton	nd	nd	nd	nd
Lambs liver	0.0031	0.0049	0.0053	0.0037
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	0.0293	0.0117	0.0168	0.0157
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	0.0543	0.0294	0.0227	0.0284
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	0.0087	0.0034	0.0025	0.0027
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	0.0026	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd

nd = not detected.

Limit of detection for total Mercury = 0.00008 mg/kg (water) / 0.001 mg/kg (liquid) / 0.002 mg/kg (high moisture) / 0.005 mg/kg (fatty, low moisture solid samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.5.2 Foods *not analysed* for total mercury content (mg/kg) in Q3 of 2009 NZTDS

Bread, mixed grain	Bread, white	Cake, plain	Muffin
Bread, wheatmeal	Butter	Cream	Wheat biscuit cereal

4.2.6 Methylmercury

Although analysed as methylmercury chloride, results are reported as methylmercury. To convert methylmercury results to elemental mercury, multiply by 0.926.

4.2.6.1 Methylmercury content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Fish in batter	0.1276	0.3376	0.2663	0.2596
Fish, fresh	0.1501	0.0985	0.0782	0.0943
Mussels	0.0094	0.0073	0.0053	nd
Oysters	0.0123	0.0092	0.007	0.008

nd = not detected.

Limit of detection for Methylmercury = 0.005 mg/kg (high moisture solid samples) / 0.010 mg/kg (fatty, low moisture samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.6.2 Foods not analysed for Methylmercury content (mg/kg) in Q3 of 2009 NZTDS

Apple	Carrots	Kumara	Pear
Avocado	Celery	Lamb/mutton	Pizza
Bacon	Chicken Takeaway	Lambs liver	Pork Chop
Beef, corned	Chinese Dish	Lettuce	Potato, hot chips
Beef, mince	Coffee beans, ground	Meat pie	Potatoes with skin
Beef, rump	Courgette (Zucchini)	Melon	Potatoes, peeled
Bread, mixed grain	Cream	Milk, 3.25% Fat	Pumpkin
Bread, wheatmeal	Cucumber	Milk, < or = 0.5% (Trim)	Sausages
Bread, white	Eggs	Milk, flavoured	Silverbeet
Broccoli/Cauliflower	Grapes	Muffin	Strawberries
Butter	Ham	Mushrooms	Taro
Cabbage	Hamburger, plain	Nectarines	Tomato
Cake, plain	Indian Dish	Onions	Water, bottled
Capsicum	Kiwifruit	Oranges	Water, tap
			Wheat biscuit cereal

4.2.7 Selenium

4.2.7.1 Selenium content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	0.1289	0.0964	0.1018	0.1369
Beef, corned	0.0567	0.0538	0.046	0.0495
Beef, mince	0.0581	0.044	0.0578	0.0518
Beef, rump	0.0982	0.0712	0.0821	0.1367
Bread, mixed grain	0.0712	0.0164	0.0159	0.0613
Bread, wheatmeal	0.0932	0.018	0.0163	0.0939
Bread, white	0.0801	0.0156	nd	0.0924
Broccoli/Cauliflower	0.0227	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	0.0064	nd	0.0048	nd
Cake, plain	0.0714	0.0621	0.0736	0.0703
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0672	0.0861	0.0827	0.0773
Chinese Dish	0.0495	0.0748	0.0552	0.0269
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	0.0043	nd
Cream	0.0071	0.0077	0.0055	0.0062
Cucumber	nd	nd	nd	nd
Eggs	0.245	0.2237	0.2191	0.2633
Fish in batter	0.4443	0.1831	0.1548	0.3516
Fish, fresh	0.5698	0.5067	0.401	0.5033
Grapes	nd	nd	nd	nd
Ham	0.2214	0.1694	0.2086	0.1763
Hamburger, plain	0.063	0.038	0.0184	0.049
Indian Dish	0.0426	0.034	0.0852	0.0648
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	0.0502	0.0464	0.1195	0.0362
Lambs liver	0.0712	0.0696	0.1342	0.1602
Lettuce	nd	nd	nd	nd
Meat pie	0.045	0.0282	0.065	0.0305
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	0.008	0.0094	0.0068	0.0055
Milk, < or = 0.5% (Trim)	0.0108	0.0096	0.0079	0.0117
Milk, flavoured	0.0088	0.0127	0.0087	0.0085
Muffin	0.0629	0.0562	0.0445	0.0559
Mushrooms	0.2183	0.1596	0.1371	0.1941
Mussels	0.4322	0.4872	0.3377	0.4651
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	0.5254	0.4086	0.3299	0.5045
Pear	nd	nd	nd	nd
Pizza	0.0785	0.0818	0.0874	0.0589
Pork Chop	0.1597	0.1376	0.1998	0.1943
Potato, hot chips	nd	nd	nd	0.0295
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	0.0778	0.0541	0.0506	0.0406
Silverbeet	0.0223	nd	nd	nd
Strawberries	0.0058	nd	0.0046	0.004
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	0.1736	0.3068	0.2086	0.1089

nd = not detected.

Limit of detection for Selenium = 0.001 mg/kg (water) / 0.002 mg/kg (liquid) / 0.004 mg/kg (high moisture samples) / 0.010 mg/kg (semi-moist samples) / 0.020 mg/kg (fatty or low moisture samples).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.2.8 Sodium

4.2.8.1 Sodium content (mg/kg) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	11	nd	13
Avocado	96	125	62	nd
Bacon	16509	14729	13685	14708
Beef, corned	9794	8853	8686	9773
Beef, mince	680	818	728	659
Beef, rump	704	645	670	739
Bread, mixed grain	4367	4563	4123	4314
Bread, wheatmeal	4262	4104	4641	4571
Bread, white	4479	4539	4898	4780
Broccoli/Cauliflower	29	39	69	32
Butter	5429	5443	5446	5541
Cabbage	39	70	50	31
Cake, plain	4310	3535	3494	3266
Capsicum	13	11	nd	12
Carrots	483	317	634	389
Celery	439	505	654	510
Chicken Takeaway	6719	7092	7072	6322
Chinese Dish	3610	3683	3987	4060
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	204	233	216	236
Cucumber	51	12	15	17
Eggs	1442	1461	1462	1423
Fish in batter	1937	3218	2704	2359
Fish, fresh	1031	852	898	1021
Grapes	33	29	28	18
Ham	10668	12020	10781	12272
Hamburger, plain	4888	4675	4623	3988
Indian Dish	2726	3059	3697	2730
Kiwifruit	18	23	22	15
Kumara	353	170	191	237

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	987	1170	998	933
Lambs liver	878	859	997	842
Lettuce	14	15	39	15
Meat pie	3316	3886	4462	4257
Melon	87	113	108	104
Milk, 3.25% Fat	363	372	387	396
Milk, < or = 0.5% (Trim)	384	408	412	421
Milk, flavoured	360	362	359	360
Muffin	3790	4107	3742	3340
Mushrooms	39	45	48	36
Mussels	2808	4987	4726	3847
Nectarines	nd	nd	nd	nd
Onions	12	20	46	13
Oranges	nd	10	10	25
Oysters	3935	3259	3907	4017
Pear	nd	nd	nd	17
Pizza	6171	5064	5012	5640
Pork Chop	1081	1016	1175	1110
Potato, hot chips	2421	1148	3043	3282
Potatoes with skin	nd	10	14	15
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	6997	7724	7030	7638
Silverbeet	491	441	451	557
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	13	19	nd	10
Water, bottled	13	14	11	9
Water, tap	9	7	5	10
Wheat biscuit cereal	3216	2853	3336	3076

nd = not detected.

Limit of detection for Sodium = 1.0 mg/kg (water) / 5 mg/kg (liquid) / 10 mg/kg (high moisture) / 20 mg/kg (semi-moist) / 50 mg/kg (high fat, low moisture).

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3 Agricultural compounds

For agricultural compounds, results are reported in three sections: compounds in the multi-residue screen that were not detected in any food for Q3 (which are listed collectively); each agricultural compound detected reported on a per compound basis for all foods screened; and dithiocarbamate fungicides.

All agricultural compound results in the NZTDS are reported on a 'foods as consumed' basis. Moisture contents of the foods have been separately determined, but are not detailed in this report.

Agricultural compounds are applied to specific foods, often under specific conditions or only at certain times. Different producers of a particular crop will not necessarily use the same compounds to perform the same tasks. This specificity suggests that residues will only be present in specific foods, rather than as ubiquitous contaminants present in all food groups. In addition, many compounds are known to break down rapidly in the environment. Therefore, for most agricultural compounds in most foods, a 'not detected' result is likely to represent a true zero result.

4.3.1 Agricultural compounds not detected in any food in Q3 of 2009 NZTDS

Of the 243 agricultural compounds screened for in the 2009 NZTDS, 186 were not detected in any of the foods analysed in Q3, these were:

Acephate	4,4' - DDD	Folpet	Phosmet
Acetochlor	4,4' - DDT	Fonofos	Phosphamidon
Acrinathrin	Delta-BHC	Furalaxyl	Prochloraz
Aldrin	Demeton-S-methyl	gamma-BHC (Lindane)	Profenofos
Alpha-BHC	Dichlobenil	Halfenprox	Prometryn
Atrazine	Dichlofenthion	Heptachlor	Propachlor
Atrazine - desethyl	Dichlofluamid	Heptachlor epoxide	Propanil
Atrazine - desisopropyl	Dichlorvos	Heptenophos	Propargite
Azaconazole	Dicofol	Hexachlorobenzene	Propazine
Azinphos-methyl	Dicrotophos	Hexaconazole	Propetamphos
Azoxystrobin	Diemthomorph	Hexazinone	Propoxur
Benalaxyl	Diflufenican	Hexythiazox	Propyzamide
Bendiocarb	Dimethanamid	Iodofenphos	Prothiofos
Benodanil	Dimethylvinphos	Iprobenfos	Pyraclifos
Benoxacor	Dinocap	Isazophos	Pyrazophos
Beta-BHC	Dioxabenzofos	Isofenphos	Pyrazoxyfen
Bifenox	Diphenamid	Isoprocarb	Pyrethrin
Bioresmethrin	Disulfoton	Kresoxim-methyl	Pyrifenoxy
Bromacil	Edifenphos	Leptophos	Pyriproxyfen
Bromophos-ethyl	Endosulfan I	Mepronil	Quinalophos
Bromopropylate	Endrin	Metalochlor	Quintozone
Bupirimate	Endrin aldehyde	Methacrifos	Quizalofop-methyl
Butachlor	Endrin ketone	Methidathion	Sethoxydim
Butamifos	EPN	Methiocarb	Simazine
Cadusafos	Epoxiconazole	Methoxychlor	Simetryn
Captafol	EPTC	Metribuzin	Sulfentrazone
Carbofenthion	Esfenvalerate	Mevinphos	Sulfotep
Carbofuran	Esprocarb	Molinate	Tefluthrin
Carboxin	Ethofumesate	Monocrotophos	Terbacil
Chlorfenapyr	Ethoprophos	Naled	Terbufos
Chlorfenvinphos	Ethoxyquin	Napropamide	Terbumeton
Chlorfluazuron	Etridiazole	Nitrofen	Terbutylazine
Chlorobenzilate	Etrimfos	Nitrothal-isopropyl	Terbutylazine-desethyl
Chlorpropham	Famphur	Norflurazon	Terbutryn
Chlorthal-dimethyl	Fenamiphos	Oxadiazon	Tetrachorvinphos
Chlortoluron	Fenobucarb	Oxadixyl	Tetradifon
Chlozolinate	Fenoxaprop-ethyl	Oxychloridane	Thenylchlor
cis-Chlordane	Fenpiclonil	Oxyfluorfen	Thiobencarb

Clomazone	Fenpropimorph	Paclobutrazol	Tolclofos-methyl
Coumaphos	Fensulfothion	Parathion-ethyl	Trans-chlordane
Cyanazine	Fenvalerate	Parathion-methyl	Tri-allate
Cyfluthrin	Fenthion	Pencyuron	Triazophos
Cyhalothrin	Fluazifop-butyl	Pendimethalin	Tridimenol
Cypermethrin	Flucythrinate	Permethrin	Trifluralin
2,4' - DDD	Fluometuron	Phenthoate	Vinclozolin
2,4' - DDE	Flusilazole	Phorate	
2,4' - DDT	Flutriafol	Phosalone	

4.3.2 Alachlor

4.3.2.1 Alachlor residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	0.001	0.001	0.0012	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Alachlor = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.3 Bifenthrin

4.3.3.1 Bifenthrin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	0.006	0.011	0.0085
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	0.0018	0.0031	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Bifenthrin = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.4 Bitertanol

4.3.4.1 Bitertanol residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	0.0372	0.0403	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Bitertanol = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.5 Buprofezin

4.3.5.1 Buprofezin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	0.0024	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	0.0245	0.0272	0.0074	0.0089
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Buprofezin = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.6 Captan

4.3.6.1 Captan residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	0.0815	0.0457	0.028
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	1.0363	1.2782	1.1553	0.576
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Captan = 0.01 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.7 Carbaryl

4.3.7.1 Carbaryl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	0.0164
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	0.2241	0.0057	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Carbaryl = 0.005 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.8 Chlorothalonil

4.3.8.1 Chlorothalonil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	0.0096	nd	0.0121	0.0645
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	0.0093	0.0053
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	0.0344	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Chlorothalonil = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.9 Chlorpyrifos

4.3.9.1 Chlorpyrifos residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	0.0023	nd	nd	nd
Bread, wheatmeal	0.0023	nd	nd	0.0022
Bread, white	0.0048	nd	nd	0.0027
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	0.0047	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Chlorpyrifos = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.10 Chlorpyrifos-methyl

4.3.10.1 Chlorpyrifos-methyl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0012	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Chlorpyrifos-methyl = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.11 Cyanophos

4.3.11.1 Cyanophos residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0019	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Cyanophos = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.12 Cyproconazole

4.3.12.1 Cyproconazole residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0048	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Cyproconazole = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.13 Cyprodinil

4.3.13.1 Cyprodinil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	0.0687	0.0796	0.0325	0.0253
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0032	0.0019	0.0021	0.0011
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	0.0579	0.0859	0.3629	0.0603
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Cyprodinil = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.14 4,4 DDE

4.3.14.1 4,4 DDE residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	0.0011	0.0035	0.0014	0.0019
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	0.0049	0.001	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	0.0081	0.0051	0.0063	0.0054
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	0.0027	0.0243	0.0148	0.0026
Cucumber	nd	nd	nd	nd
Eggs	nd	0.0027	0.0025	nd
Fish in batter	nd	nd	0.0017	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	0.001	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	0.0062	0.0031	0.0038
Lambs liver	nd	0.0153	0.0074	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	0.0011	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	0.0011	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	0.0022	0.0012	nd	0.0012
Pork Chop	nd	0.002	0.0027	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	0.0152	0.0116	0.0012
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for 4,4 DDE = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.15 Deltamethrin

4.3.15.1 Deltamethrin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	0.0353	0.0201	0.0127	nd
Bread, wheatmeal	0.0492	0.0337	0.0114	0.0116
Bread, white	0.0437	0.0115	nd	0.0334
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Deltamethrin = 0.01 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.16 Diazinon

4.3.16.1 Diazinon residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	0.0018
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Diazinon = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.17 Dichloran

4.3.17.1 Dichloran residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	0.0026	nd	nd	nd
Bread, white	0.0056	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	0.003	nd	0.0036	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Dichloran = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.18 Dieldrin

4.3.18.1 Dieldrin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	0.0092	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Dieldrin = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.19 Difenoconazole

4.3.19.1 Difenoconazole residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	0.125	0.011	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	0.0022
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Difenoconazole = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.20 Dimethoate

4.3.20.1 Dimethoate residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	0.0525	0.188	0.0503	0.1097
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.2868	0.9671	1.1765	0.6366
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	0.1707	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	0.0139	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Dimethoate = 0.005 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.21 Diphenylamine

4.3.21.1 Diphenylamine residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	0.0248	0.0298	0.0041	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Diphenylamine = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.22 Diuron

4.3.22.1 Diuron residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	0.0027	0.0023	0.0053	0.0019
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	0.0037	0.0038	0.004	0.0038
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Diuron = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.23 Endosulfan II

4.3.23.1 Endosulfan II residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.0019	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	0.0012	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	0.0028	nd	nd
Taro	nd	nd	nd	nd
Tomato	0.0025	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Endosulfan II = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.24 Endosulfan sulphate

4.3.24.1 Endosulfan sulphate residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	0.0031	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.0228	0.0131	nd	0.0058
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	0.0034	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Endosulfan sulphate = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.25 Ethion

4.3.25.1 Ethion residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	0.0024	0.0019	nd	0.0015
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	0.0019	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Ethion = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.26 Fenarimol

4.3.26.1 Fenarimol residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0022	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fenarimol = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.27 Fenchlorphos

4.3.27.1 Fenchlorphos residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0012	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fenchlorphos = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.28 Fenitrothion

4.3.28.1 Fenitrothion residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	0.0126
Bread, wheatmeal	nd	nd	nd	0.046
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	0.0301	0.0526	0.033	0.0642
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	0.009
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0094	0.0076	0.0108	0.0115
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	0.0041	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fenitrothion = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.29 Fenpropathrin

4.3.29.1 Fenpropathrin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	0.0073	0.0115	0.0249
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fenpropathrin = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.30 Flamprop-methyl

4.3.30.1 Flamprop-methyl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	0.0034	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Flamprop-methyl = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.31 Fludiozonil

4.3.31.1 Fludiozonil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0073	0.0055	0.003	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	0.2564	0.2187	0.3077	0.5558
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	0.0783	0.0777	0.1916	0.0618
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fludiozonil = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.32 Fluvalinate

4.3.32.1 Fluvalinate residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0278	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Fluvalinate = 0.003 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.33 Furathiocarb

4.3.33.1 Furathiocarb residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0129	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Furathiocarb = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.34 Haloxyfop-methyl

4.3.34.1 Haloxyfop-methyl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	0.0158	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Haloxyfop-methyl = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.35 Imazalil

4.3.35.1 Imazalil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	0.0021	0.0741	0.4118
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	0.0054	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Imazalil = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.36 Indoxacarb

4.3.36.1 Indoxacarb residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	0.0182	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Indoxacarb = 0.01 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.37 Iprodione

4.3.37.1 Iprodione residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	0.0189	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	0.0313	0.0709	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	0.1089	0.1982	0.273	0.0827
Taro	nd	nd	nd	nd
Tomato	0.1708	nd	nd	0.0601
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Iprodione = 0.01 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.38 Linuron

4.3.38.1 Linuron residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	0.0049	0.0117	0.0059	0.0088
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Linuron = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.39 Malathion

4.3.39.1 Malathion residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	Nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	0.0083	0.0019	nd
Bread, wheatmeal	nd	0.0085	0.0041	nd
Bread, white	nd	0.0025	0.0016	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	0.0058	nd

nd = not detected.

Limit of reporting (LOR) for Malathion = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.40 Metalaxyl

4.3.40.1 Metalaxyl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.0106	0.0021	0.0084	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	0.3148	0.3939	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Metalaxyl = 0.002 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.41 Methamidophos

4.3.41.1 Methamidophos residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	0.2081	0.0267	0.0237	0.0998
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	0.0696
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Methamidophos = 0.02 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.42 Myclobutanil

4.3.42.1 Myclobutanil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	0.001	0.0015	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0022	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	0.0016	nd	0.002	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	0.003	0.0102	0.0118	0.0038
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Myclobutanil = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.43 Omethoate

4.3.43.1 Omethoate residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	0.1385	0.2998	0.2255	0.1665
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Omethoate = 0.02 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.44 Penconazole

4.3.44.1 Penconazole residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0014	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	0.0021	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Penconazole = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.45 Piperonyl-butoxide

4.3.45.1 Piperonyl-butoxide residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	0.1361	0.06	0.0483	0.0208
Bread, white	0.2235	0.1589	0.0363	0.0381
Broccoli/Cauliflower	0.1628	0.0387	0.034	0.1533
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	0.0211	0.0306	0.0199	0.0198
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0027	0.0015	0.0029	0.0023
Chinese Dish	0.0014	0.001	0.0013	0.0012
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	0.0012	0.0137	0.0019	0.0133
Fish, fresh	nd	0.0035	nd	nd
Grapes	nd	nd	nd	0.0013
Ham	nd	nd	nd	nd
Hamburger, plain	nd	0.0071	0.0046	0.0045
Indian Dish	0.0038	nd	nd	0.003
Kiwifruit	nd	nd	0.0016	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	0.0093	nd	nd
Meat pie	0.0164	0.0075	0.008	0.0016
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0145	0.0076	0.0077	0.0157
Mushrooms	nd	nd	nd	nd
Mussels	nd	0.0117	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	0.0303	0.0114	0.0034	0.0092
Pork Chop	nd	nd	nd	nd
Potato, hot chips	0.0018	nd	nd	0.007
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	0.0039	nd	nd	0.0076
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Piperonyl-butoxide = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.46 Pirimicarb

4.3.46.1 Pirimicarb residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	0.0038	0.0065
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Pirimicarb = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.47 Pirimiphos-methyl

4.3.47.1 Pirimiphos-methyl residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	0.0241	0.0813	0.077	0.0294
Bread, wheatmeal	0.004	0.2318	0.0087	0.0052
Bread, white	0.0068	0.0473	0.0742	0.0042
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	0.0072	0.005	0.003
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0016	nd	nd	nd
Chinese Dish	nd	nd	0.0038	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	0.0019	nd	0.0119	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	0.0019	0.0029	0.0341	0.006
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	0.0072	0.0222	0.0265	0.0029
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	0.0152	0.0046	0.0041	0.0021
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	0.0016	nd	0.0316	0.058
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	0.0187	0.0254	0.0194	0.0086
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	0.0263	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	0.038	nd

nd = not detected.

Limit of reporting (LOR) for Pirimiphos-methyl = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between brands are not appropriate.

4.3.48 Procymidone

4.3.48.1 Procymidone residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	0.0038	nd	nd	0.0012
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	0.0014	nd	nd	0.0431
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	0.0065
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	0.002	nd	nd	0.0013
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	0.0019	0.002
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Procymidone = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.49 Propaphos

4.3.49.1 Propaphos residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	0.0056	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Propaphos = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.50 Propham

4.3.50.1 Propham residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	0.0417
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	0.0336	nd	0.101	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	0.0028	0.3561	0.1572	0.1533
Potatoes, peeled	nd	0.4585	0.1632	0.1753
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Propham = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.51 Propiconazole

4.3.51.1 Propiconazole residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0053	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Propiconazole = 0.003 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.52 Pyrimethanil

4.3.52.1 Pyrimethanil residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	0.0015	0.0014	0.0013	0.001
Chinese Dish	0.0014	0.0024	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	0.0149	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	0.002	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	0.0018	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	0.0011
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	1.5663	0.2806	0.0592	0.7108
Taro	nd	nd	nd	nd
Tomato	nd	nd	0.0024	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Pyrimethanil = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.53 Tebuconazole

4.3.53.1 Tebuconazole residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	0.0011	nd	0.0022
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Tebuconazole = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.54 Tebufenpyrad

4.3.54.1 Tebufenpyrad residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	0.0207	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Tebufenpyrad = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.55 Thiometon

4.3.55.1 Thiometon residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	0.0599	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Thiometon = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.56 Tolyflunid

4.3.56.1 Tolyflunid residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	0.002	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	0.0043	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	0.2215	0.1153	0.1182	0.2084
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Tolyflunid = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.57 Triadimefon

4.3.57.1 Triadimefon residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	0.0141	nd	0.013	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	nd	nd	nd	nd
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	nd	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Triadimefon = 0.005 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.58 Trifloxystrobin

4.3.58.1 Trifloxystrobin residues (mg/kg) in foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	nd	nd	nd	nd
Avocado	nd	nd	nd	nd
Bacon	nd	nd	nd	nd
Beef, corned	nd	nd	nd	nd
Beef, mince	nd	nd	nd	nd
Beef, rump	nd	nd	nd	nd
Bread, mixed grain	nd	nd	nd	nd
Bread, wheatmeal	nd	nd	nd	nd
Bread, white	nd	nd	nd	nd
Broccoli/Cauliflower	nd	nd	nd	nd
Butter	nd	nd	nd	nd
Cabbage	nd	nd	nd	nd
Cake, plain	nd	nd	nd	nd
Capsicum	nd	nd	nd	nd
Carrots	nd	nd	nd	nd
Celery	nd	nd	nd	nd
Chicken Takeaway	nd	nd	nd	nd
Chinese Dish	nd	nd	nd	nd
Coffee beans, ground	nd	nd	nd	nd
Courgette (Zucchini)	nd	nd	nd	nd
Cream	nd	nd	nd	nd
Cucumber	nd	nd	nd	nd
Eggs	nd	nd	nd	nd
Fish in batter	nd	nd	nd	nd
Fish, fresh	nd	nd	nd	nd
Grapes	0.0105	0.0203	0.0097	0.0171
Ham	nd	nd	nd	nd
Hamburger, plain	nd	nd	nd	nd
Indian Dish	nd	nd	nd	nd
Kiwifruit	nd	nd	nd	nd
Kumara	nd	nd	nd	nd

Food	Auckland	Christchurch	Dunedin	Napier
Lamb/mutton	nd	nd	nd	nd
Lambs liver	nd	nd	nd	nd
Lettuce	nd	nd	nd	nd
Meat pie	nd	nd	nd	nd
Melon	nd	nd	nd	nd
Milk, 3.25% Fat	nd	nd	nd	nd
Milk, < or = 0.5% (Trim)	nd	nd	nd	nd
Milk, flavoured	nd	nd	nd	nd
Muffin	nd	nd	nd	nd
Mushrooms	nd	nd	nd	nd
Mussels	nd	nd	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	nd	nd	nd
Oranges	nd	nd	nd	nd
Oysters	nd	nd	nd	nd
Pear	nd	nd	nd	nd
Pizza	nd	nd	nd	nd
Pork Chop	nd	nd	nd	nd
Potato, hot chips	nd	nd	nd	nd
Potatoes with skin	nd	nd	nd	nd
Potatoes, peeled	nd	nd	nd	nd
Pumpkin	nd	nd	nd	nd
Sausages	nd	nd	nd	nd
Silverbeet	nd	nd	nd	nd
Strawberries	nd	0.0022	nd	nd
Taro	nd	nd	nd	nd
Tomato	nd	nd	nd	nd
Water, bottled	nd	nd	nd	nd
Water, tap	nd	nd	nd	nd
Wheat biscuit cereal	nd	nd	nd	nd

nd = not detected.

Limit of reporting (LOR) for Trifloxystrobin = 0.001 mg/kg (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.59 Dithiocarbamate fungicides

The level of dithiocarbamates in foods is generally analysed internationally in terms of the amount of carbon disulphide (CS₂). The method is unable to differentiate which dithiocarbamate is present.

4.3.59.1 Dithiocarbamate fungicide content (mg/kg of CS₂) of foods in Q3 of 2009 NZTDS

Food	Auckland	Christchurch	Dunedin	Napier
Apple	0.1448	0.2145	0.1562	0.2027
Avocado	0.1054	nd	0.1395	0.092
Broccoli/Cauliflower	0.0181	0.0441	0.048	0.0179
Cabbage	0.0767	0.3658	0.2448	0.2275
Capsicum	nd	nd	nd	nd
Carrots	nd	0.0294	0.037	0.0346
Celery	0.0113	0.0241	0.0356	0.1611
Courgette (Zucchini)	nd	nd	nd	nd
Cucumber	nd	nd	0.0101	nd
Grapes	0.1651	0.0246	0.211	0.147
Kiwifruit	0.0134	nd	0.0157	0.0102
Kumara	nd	nd	0.0139	nd
Lettuce	0.0227	0.0445	0.4044	0.019
Melon	nd	nd	nd	nd
Mushrooms	nd	0.0113	nd	nd
Nectarines	nd	nd	nd	nd
Onions	nd	0.0145	0.0121	nd
Oranges	0.0166	nd	0.0154	0.0179
Pear	0.1313	0.0483	0.2992	0.1156
Potatoes with skin	0.3031	0.4603	0.2442	0.2328
Potatoes, peeled	0.1018	0.0166	0.0809	0.1734
Pumpkin	0.0816	0.0127	0.0108	0.0104
Silverbeet	0.1899	0.0123	0.032	0.0868
Strawberries	0.0162	0.0176	0.0183	0.0142
Taro	0.0307	0.012	0.0336	0.0716
Tomato	0.0336	0.0209	0.2543	0.0154

nd = not detected. Limit of reporting (LOR) = 0.01 mg/kg CS₂ (most samples). The LOR does vary with different matrices.

Note: Given limited sample numbers, comparisons between regional data is not appropriate.

4.3.59.2 Foods *not analysed* for dithiocarbamate fungicide content in Q3 of 2009 NZTDS

Bacon	Chicken Takeaway	Indian Dish	Oysters
Beef, corned	Chinese Dish	Lamb/mutton	Pear
Beef, mince	Coffee beans, ground	Lambs liver	Pizza
Beef, rump	Cream	Meat pie	Pork Chop
Bread, mixed grain	Eggs	Milk, 3.25% Fat	Potato, hot chips
Bread, wheatmeal	Fish in batter	Milk, < or = 0.5% (Trim)	Sausages
Bread, white	Fish, fresh	Milk, flavoured	Water, bottled
Butter	Ham	Muffin	Water, tap
Cake, plain	Hamburger, plain	Mussels	Wheat biscuit cereal

5 Glossary of terms and abbreviations

Food	Brand 1
Agricultural Compound	A generic term for any substance intended for preventing, destroying, attracting, repelling, or controlling any pest including unwanted species of plants or animals, during the production, storage, transportation, distribution, and processing of food, agricultural commodity, or animal feed. The term includes fungicides, herbicides, insecticide, and chemicals which may be administered to animals for the control of ectoparasites. It includes substances applied to crops either before or after harvest to protect the commodity from deterioration during storage and transport, or disinfestations of raw primary produce. It includes substances in current use in New Zealand or other countries (from which New Zealand may import products); substances previously but no longer in use; and some substances the use of which is prohibited in New Zealand or overseas.
Agricultural Compound residue	Any specified substance in food, agricultural commodity, or animal feed resulting from the use of an agricultural compound (from known, unknown or unavoidable sources). Includes any derivatives of an agricultural compound, such as conversion products, metabolites, reaction products, and impurities considered to be of toxicological significance
Codex	The joint FAO/WHO Codex Alimentarius Commission sets international food standards and guidelines, including acceptable levels of chemical components in foods made on advice from the joint FAO/WHO Expert Committee on Food Additives (JECFA) and the Joint FAO/WHO Joint Meeting on Pesticide Residues (JMPR).
CRM	Certified Reference Material or Standard Reference Material. A material tested by a wide range of international laboratories, to reach consensus on the levels of analytical components which it contains
Duplicate sample	Duplicates of samples are performed on a selection of samples in each batch to ascertain analytical precision. Coefficients of variation (CV = standard deviation of results divided by mean x 100%) of less than 10% are considered very good but may be acceptable at significantly greater than this, depending on the matrix, analyte and concentration.
FSANZ	Food Standards Australia New Zealand
FSC	The Australia New Zealand Food Standards Code
Limit of Detection (LOD)	This may be defined as the minimum concentration of the component in a dietary sample that can be qualitatively detected, but not quantitatively determined, under a pre-established set of analytical conditions
Limit of Reporting (LOR)	This is the minimum concentration of an analyte in a dietary sample that can be determined quantitatively with acceptable accuracy and consistency. This is also referred to as the 'Limit of Quantitation'.
ML	Maximum Level. This means the maximum level of a specified contaminant which is permitted to be present in a nominated food, unless otherwise specified, in milligrams of the contaminant per kilogram of the food (mg/kg). MLs relevant to food consumed in New Zealand are set by FSANZ or Codex.
Multi-residue (MR) screen	An analytical technique developed to detect and quantify the widest achievable range of agricultural compounds types. Also commonly referred to as a multi-residue pesticide screen.
MRL	Maximum Residue Limit. This is the maximum concentration of an agricultural compound residue legally permitted (or recognised as acceptable) in or on a food (agricultural commodity or animal product). MRLs for foodstuffs in New Zealand are set out in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standard. MRLs are the maximum considered to result from the use of the agricultural compound according to Good Agricultural Practice (GAP) and which is toxicologically acceptable.
NZFSA	New Zealand Food Safety Authority
NZTDS	New Zealand Total Diet Study
Q1, Q3, etc	Quarter 1, Quarter 2, etc. of the New Zealand Total Diet Study sampling programme
Spike recovery	Spiking is a commonly applied laboratory quality control practice and is often used where CRMs are not available. It is to estimate in a separate experiment the recovery of a

	<p>particular analyte added as a spike. If a matrix blank (a specimen of the matrix containing effectively none of the analyte) is available the analyte can be spiked into that and its recovery determined after application of the normal analytical procedure (the amount of analyte measured in the spiked sample minus the amount in the unspiked sample divided by the amount of analyte spiked into the sample times 100). If no matrix blank is available, the spike can be added to an ordinary test portion that is analysed alongside an unspiked test portion. The difference between these two results is the recovered part of the added analyte, which can be compared with the known amount added.</p> <p>In spike-and-recovery, a known amount of analyte is added (spiked) into the natural test sample matrix and its response is measured (recovered) in the assay by comparison to an identical spike in the standard diluent. Acceptable recoveries for trace analyses would generally be 70 - 125%.</p>
--	---

6 Appendix 1 Background to the 2009 NZTDS

The 2009 New Zealand Total Diet Study (NZTDS) is undertaken by the New Zealand Food Safety Authority (NZFSA) and is part of its contract for scientific services with the Institute of Environmental Science and Research (ESR). The primary purpose of the NZTDS is to assess dietary exposure to chemical residues, contaminant elements and selected nutrients, from 123 representative foods, across the average diet of different age-sex groups within the New Zealand population.

A distinguishing characteristic of total diet studies, including the NZTDS, is that foods are analysed on an 'as consumed' basis (i.e. banana, peeled; meat, cooked). Thus providing an assessment of any potential risk to the consumer at the point of consumption of the food. As such, the NZTDS contrasts with commodity based surveillance or monitoring programmes, which analyse foods as they are available for sale or 'as produced' i.e. bananas, whole; chicken with skin; meat, raw.

The 2009 NZTDS is the seventh such study of its kind in New Zealand and the second undertaken by NZFSA. The first five surveys were carried out jointly by the Ministry of Health (formerly the Department of Health) and ESR (formerly DSIR Chemistry Division).

Undertaking the NZTDS enables NZFSA to assess the status of certain compounds in the New Zealand food supply; indicate any potential exposure concerns and target any necessary risk management or risk communication; demonstrate trends in dietary exposure; and make comparisons with exposure estimates derived in other countries.

The design and content of the 2009 NZTDS was agreed following consideration of the comments received from interested parties (including public health, academia and research institutes, industry sector groups, and consumer groups) on the proposed outline published by NZFSA in June 2008. The 2009 NZTDS is conducted in accordance with the recommendations of the FAO/WHO Joint Expert Committee on Pesticide Residues and in agreement with the objectives of the Joint FAO/WHO Global Environmental Monitoring Systems (GEMS; FAO/UNEP/WHO, 1985).

6.1 Objectives

The objectives of the 2009 NZTDS are:

- agree in consultation with stakeholders the design and content of the 2009 NZTDS;
- estimate dietary exposure for selected chemical residues, contaminants and nutrient elements in the New Zealand food supply and identify trends in New Zealand over time;

- compare dietary exposure estimates with those in other countries where comparable data is available;
- ensure that the outcomes of the NZTDS complement data on chemical residues, contaminants and nutrient elements generated from other sources in New Zealand;
- where appropriate, provide data on selected chemical residues, contaminants and nutrient elements for incorporation into other databases including the World Health Organization (WHO) Global Environmental Monitoring System (GEMS) and the New Zealand Food Composition Database; and
- communicate findings in a timely and transparent manner.

6.2 Timetable

Sampling will be carried out on four occasions during the 2009 calendar year, referred to as quarters (Q1, Q3, etc). Chemical analyses will be carried out during the 2009 year and completed in the early part of the 2010 year. Data analysis, exposure estimates, writing of full interpretative reports will take place in 2010 with initial release of the final results in late 2010.

6.3 Foods

Foods to be sampled and analysed in the NZTDS are divided into two categories:

- National Foods (62) - are not expected to exhibit any regional variability and include processed foods such as biscuits, breakfast cereals and beverages, which are uniformly available New Zealand wide. National foods are to be sampled in a single location (Christchurch) on two occasions. Up to four brands, selected on the basis of market share, will be collected on each sampling occasion. Foods will all be prepared and analysed on the basis of individual brands/seasons to give a total of four analyses for each food for each season.
- Regional Foods (61) - may be expected to demonstrate variation in agricultural compound, contaminant and nutrient level depending on the location in which the food was produced. Regional foods include meat, fruit and vegetables. Regional foods will be sampled in each of four locations (Auckland, Napier, Christchurch and Dunedin) on two occasions. All foods will all be prepared and analysed on the basis of individual regions/seasons to give a total of four analyses for each food for each season.

A detailed food list for the 2009 NZTDS was developed by NZFSA (NZFSA, 2008), and based primarily on that prepared for the 2003/04 NZTDS by Brinsdon, 2002. The full food list for the 2009 NZTDS is given in Appendix 2.

Foods sampled in the third quarter (Q3) were regional foods.

6.4 Reporting

An analytical results report is generated at the conclusion of analyses for each quarter. Each report will detail the concentrations of agricultural compound residues, contaminants and nutrients found in foods sampled during that quarter. This is the second of these quarterly reports.

Internally and externally peer-reviewed interpretative report(s) are scheduled to be produced at the conclusion of the project, commenting on concentration data and estimated dietary intakes, and making comparisons to internationally accepted health standards and comparable overseas studies.

7 Appendix 2 Food list and associated analyses in the 2009 NZTDS

The foods of the 2009 NZTDS are listed in the table below in alphabetical order. Foods which are actually new to the food list for the 2009 NZTDS are identified in the first column. The food 'type' column identifies the NZTDS foods as either national (N) or regional (R) foods (see Appendix 1 for an explanation of these terms). Only regional foods were analysed in Q3. The remainder of the table consolidates information about which foods were analysed for which analytes in the 2009 NZTDS. The other abbreviations used in the table are as follows: MR = Multi residue screen for agricultural compounds; DTC = dithiocarbamate fungicide screen; Elements (five) = arsenic, cadmium, iodine, lead and sodium; Hg = mercury; MeHg = methylmercury; Se = selenium; and na = food not analysed for this analyte. When analysed, all foods were analysed as an individual regional / brand composite per season.

The following criteria were used to decide if a food was analysed in the 2009 NZTDS for certain analytes; or not analysed:

- high contributor to exposure from WHO GEMS;
- high contributor to exposure from 2003/04 NZTDS;
- high concentration in 2003/04 NZTDS;
- limit of detection (LOD) in respective matrices;
- key food(s) / food group(s) covered for new analytes (ie MeHg);
- available budget, recognising differential costs for agricultural compounds, elements and moisture; and
- comparable individual analyses from 2003/04 NZTDS to 2009.

New Food in 2009 NZTDS	Food	Type	MR	DTC	Elements	Hg	Me Hg	Se
	Apple-based juice	N	√	√	√	√	√	√
	Apples	R	√	√	√	√	√	√
	Apricots, canned	N	√	√	√	√	√	√
	Avocado	R	√	√	√	√	√	√
	Bacon	R	√	na	√	√	√	√
	Bananas	N	√	√	√	√	√	√
	Beans	N	√	√	√	√	√	√
	Beans, baked, canned	N	√	√	√	√	√	√
	Beef, corned	R	√	na	√	√	√	√
	Beef, mince	R	√	na	√	√	√	√
	Beef, rump	R	√	na	√	√	√	√
	Beer	N	√	na	√	√	√	√
	Beetroot, canned	N	√	√	√	√	√	√
	Biscuits, chocolate	N	√	na	√	na	na	√
	Biscuits, cracker	N	√	na	√	na	na	√
	Biscuits, plain sweet	N	√	na	√	na	na	√
	Bran flake cereal, mixed	N	√	na	√	na	na	√
	Bread, mixed grain, sliced	R	√	na	√	na	na	√
	Bread, wheatmeal, sliced	R	√	na	√	na	na	√
	Bread, white, sliced	R	√	na	√	na	na	√
	Broccoli/Cauliflower	R	√	√	√	√	√	√
	Butter	N	√	na	√	na	na	√
	Cabbage	R	√	√	√	√	√	√
	Caffeinated beverage	N	√	na	√	√	√	√
	Cake, plain	R	√	na	√	na	na	√
	Capsicum	R	√	√	√	√	√	√
	Carbonated drink	N	√	na	√	√	√	√
	Carrots	R	√	√	√	√	√	√
	Celery	R	√	√	√	√	√	√
	Cheese	N	√	na	√	na	na	√
	Chicken	N	√	na	√	√	√	√
	Chicken takeaway	R	√	na	√	√	√	√
	Chinese dish	R	√	na	√	√	√	√
	Chocolate beverage	N	√	na	√	√	√	√
	Chocolate, plain milk	N	√	na	√	na	na	√
	Coffee instant	N	√	na	√	√	√	√
	Coffee, beans/ground	R	√	na	√	√	√	√

New Food in 2009 NZTDS	Food	Type	MR	DTC	Elements	Hg	Me Hg	Se
	Confectionery	N	√	na	√	na	na	√
	Corn, canned	N	√	√	√	√	√	√
	Cornflakes	N	√	na	√	na	na	√
	Courgette	R	√	√	√	√	√	√
	Cream	R	√	na	√	na	na	√
	Cucumber	R	√	√	√	√	√	√
	Dairy dessert	N	√	na	√	√	√	√
	Egg	R	√	na	√	√	√	√
	Fish fingers	N	√	na	√	√	√	√
	Fish in batter	R	√	na	√	√	√	√
	Fish, canned	N	√	na	√	√	√	√
	Fish, fresh	R	√	na	√	√	√	√
	Fruit drink	N	√	na	√	√	√	√
	Grapes	R	√	na	√	√	√	√
	Ham	R	√	na	√	√	√	√
	Hamburger, plain	R	√	na	√	√	√	√
*	Indian dish	R	√	na	√	√	na	√
	Honey	N	√	na	√	na	na	√
	Ice cream	N	√	na	√	na	na	√
	Infant and follow-on formula	N	√	√	√	√	√	√
	Infant weaning food, cereal based	N	√	√	√	√	√	√
	Infant weaning food, custard, fruit	N	√	√	√	√	√	√
	Infant weaning food, savoury meat/veg	N	√	√	√	√	√	√
	Jam	N	√	na	√	na	na	√
	Kiwifruit	R	√	√	√	√	√	√
	Kumara	R	√	√	√	√	√	√
	Lamb/mutton	R	√	na	√	√	√	√
	Lambs liver	R	√	na	√	√	√	√
	Lettuce	R	√	√	√	√	√	√
	Margarine	N	√	na	√	na	na	na
	Meat pie	R	√	na	√	√	√	√
	Melon	R	√	√	√	√	√	√
	Milk, 0.5% fat (Trim)	R	√	na	√	√	√	√
	Milk, 3.25% fat	R	√	na	√	√	√	√
	Milk, flavoured	R	√	na	√	√	√	√
	Muesli	N	√	na	√	na	na	√
	Muffin	R	√	na	√	na	na	√
	Mushrooms	R	√	√	√	√	√	√
	Mussels	R	√	na	√	√	√	√

New Food in 2009 NZTDS	Food	Type	MR	DTC	Elements	Hg	Me Hg	Se
	Nectarines	R	√	√	√	√	√	√
	Noodles, instant	N	√	na	√	na	na	√
	Oats, rolled	N	√	na	√	na	na	√
	Oil	N	√	na	√	na	na	na
	Onions	R	√	√	√	√	√	√
	Orange juice	N	√	√	√	√	√	√
	Oranges	R	√	√	√	√	√	√
	Oysters	R	√	na	√	√	√	√
	Pasta, dried	N	√	na	√	na	na	√
	Peaches, canned	N	√	√	√	√	√	√
	Peanut butter	N	√	na	√	na	na	√
	Peanuts, whole	N	√	na	√	na	na	√
	Pears	R	√	√	√	√	√	√
	Peas	N	√	√	√	√	√	√
	Pineapple, canned	N	√	√	√	√	√	√
	Pizza	R	√	na	√	√	√	√
	Pork chop	R	√	na	√	√	√	√
	Potato crisps	N	√	√	√	√	√	√
	Potato, hot chips	R	√	na	√	√	√	√
	Potatoes, peeled	R	√	√	√	√	√	√
	Potatoes, with skin	R	√	√	√	√	√	√
	Prunes	N	√	√	√	√	√	√
	Pumpkin	R	√	√	√	√	√	√
	Raisins/Sultanas	N	√	√	√	√	√	√
	Rice, white	N	√	na	√	na	na	√
	Salad dressing	N	√	na	√	na	na	na
	Sausages	R	√	na	√	√	√	√
	Silverbeet	R	√	√	√	√	√	√
	Snack bars	N	√	na	√	√	√	√
	Snacks, flavoured	N	√	na	√	na	na	√
	Soup, chicken	N	√	na	√	√	√	√
	Soya milk	N	√	na	√	√	√	√
	Spaghetti in sauce, canned	N	√	na	√	na	na	√
	Strawberries	R	√	√	√	√	√	√
	Sugar	N	√	na	√	na	na	√
	Taro	R	√	√	√	√	√	√
	Tea	N	√	na	√	√	√	√
	Tomato	R	√	√	√	√	√	√
	Tomato sauce	N	√	√	√	√	√	√

New Food in 2009 NZTDS	Food	Type	MR	DTC	Elements	Hg	Me Hg	Se
	Tomatoes in juice	N	√	√	√	√	√	√
*	Water, bottled	R	√	na	√	na	√	√
*	Water, tap	R	√	na	√	na	√	√
	Wheatbiscuit cereal	R	√	na	√	na	na	√
	Wine, still red	N	√	na	√	√	√	√
	Wine, still white	N	√	na	√	√	√	√
	Yeast extract	N	√	na	√	na	na	√
	Yoghurt	N	√	na	√	na	na	√