



27 June 2017
[16–17]

Supporting document 1 – Proposal M1014

Proposed MRL changes and associated dietary exposure assessments

Maximum Residue Limits (2016)

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Introduction

This Supporting Document provides information relating to the results of the dietary exposure assessments undertaken for each of the requested agricultural chemicals and food commodity combinations for the 2016 Maximum Residue Limit (MRL) harmonisation Proposal, M1014.

The harmonisation requests were to align MRLs in Schedule 20 in the *Australian New Zealand Food Standards Code* (the Code) with the MRLs proposed by the requestors which were either the Codex Alimentarius MRLs or the MRLs in the countries in which the foods were produced. These standards all reflect legitimate use of permitted agricultural chemicals in the production of the food commodities. It also includes requests from the Australian Pesticides and Veterinary Medicines Authority (APVMA) to align the Code with the reviewed APVMA MRL Standard, including where the APVMA pesticide review has resulted in the removal of the MRL from the APVMA MRL Standard.

The approach followed involves estimating dietary exposure for all agricultural and veterinary chemicals where the Australian Government Office of Chemical Safety (OCS) / APVMA Health Assessment Team or JMPR have established a relevant Health Based Guidance Value (HBGV), such as an Acceptable Daily Intake (ADI) or an Acute Reference Dose (ARfD).

The assessment of each chemical considered in this Proposal included an additional assessment for suitability to establish *All other foods except animal food commodities* MRLs. Assessment and allocation of an *All other foods except animal food commodities* MRL followed the principles set out in [Supporting Document 1 \(at Approval\)](#)¹ for Proposal P1027 – Managing Low-level Ag & Vet Chemicals without Maximum Residue Limits.

The dietary exposure estimate methods used for the MRL harmonisation requests are consistent with the APVMA's risk assessment framework for approving and registering agricultural chemical products in Australia (based on internationally recognised best practice) and the process used by both the APVMA and FSANZ for establishing and reviewing MRLs in Schedule 20.

Chronic Dietary Exposure Assessment: the National Estimated Daily Intake (NEDI)

The National Estimated Daily Intake (NEDI) represents an estimate of chronic dietary exposure. In chronic dietary exposure assessments, the chemical residues in all the food commodities that could result from the permitted use of the agricultural chemicals are considered. Chemical residue data, as opposed to the MRL, are the preferred concentration data used if available, as they provide a more realistic estimate of dietary exposure.

The estimated mean exposure from each food commodity is added together to provide the total mean dietary exposure to a chemical from all foods with MRLs. If appropriate, the estimated mean dietary exposure is divided by the mean body weight for the population group to provide the amount of chemical consumed per day per kg of human bodyweight for the Australian population. This result is then compared to the Acceptable Daily Intake (ADI).

¹ <http://www.foodstandards.gov.au/code/proposals/Pages/P1027.aspx>

The NEDI calculation may incorporate data that are more specific. This may include food consumption data for particular sub-groups of the population. The NEDI calculation may also take into account factors such as the proportion of the crop or commodity treated with the chemical, the residues in edible portions and the effects of processing and cooking on the residue levels. It may use supervised trials median residue (STMR) levels rather than the MRL to represent chemical residue levels. Monitoring and surveillance data or data from the Australian Total Diet Studies (ATDSs) may also be used if necessary.

Where data are not available on the specific residues in a food, a cautious approach is taken and the MRL is used. The use of the MRL in dietary exposure estimates may result in considerable overestimates of dietary exposure because it assumes that:

- the agricultural chemical will be used on all the crops for which there is a registered use or an approved permit
- treatment occurs at the maximum application rate
- the maximum number of permitted treatments have been applied
- the minimum withholding period applies
- the entire crop contains residues equivalent to the MRL

In reality, only a portion of a specific crop is treated with the chemical and most treated crops contain residues well below the MRL at harvest. The levels of residues are usually reduced during storage, preparation, commercial processing, and cooking. It is also unlikely that every food for which an MRL is proposed will have been treated with the same pesticide over the lifetime of consumers of those foods. However, for the purposes of undertaking a risk assessment, it is prudent to be protective of consumers, particularly in the absence of data to further refine the dietary exposure estimates.

Acute Dietary Exposure Assessment: the National Estimated Short Term Intake (NESTI)

The National Estimated Short Term Intake (NESTI) is used to estimate acute (short-term) dietary exposure. Acute dietary exposure assessments are undertaken where the OCS/APVMA has set an ARfD for a chemical, or advised that a JMPR ARfD is appropriate to use.

The NESTI is calculated in a similar way to chronic dietary exposure, but uses the ARfD rather than ADI as the HBGV and food consumption data at the 97.5th percentile instead of the mean. The calculation can take into account factors such as the highest residue on a composite sample of an edible portion, the STMR, processing factors (which affect changes from the raw commodity to the consumed food) and a 'variability factor' to take into account variations in residues between individual pieces of a commodity, where appropriate.

The exact equations for calculating the NESTIs differ depending on the type or size of the commodity. These equations are agreed and used internationally. The calculations provide information on the level of exposure to a chemical from consuming an individual food commodity (e.g. wheat) and take into account the consumption of processed foods that contain the commodity (e.g. apple pie and bread). The estimated exposure for each individual food is compared to the ARfD.

All other foods except animal food commodities **MRLs**

All agricultural chemicals that required a dietary exposure assessment were considered for an *All other foods except animal food commodities* MRL following principles established in P1027. The proposed MRLs are high enough to allow for inadvertent presence of the chemical in food but low enough to limit the potential for 'off label' use of the chemical. This approach is consistent with the APVMA's risk assessment framework for approving and registering agvet chemical products, and with the risk assessment approach for establishing MRLs in the Code.

Agvet chemicals are excluded from the setting of *All other foods except animal food commodities* MRLs for the following reasons:

- Agvet chemical is not currently listed in Schedule 20
- Active constituent (agvet chemical) is not registered for use in Australia
- Active constituent of residue listed only as a Schedule 7 poison (the SUSMP)
- Agvet chemical is a veterinary medicine
- Agvet chemical has an ERL listed in Schedule 21
- Agvet chemical is currently nominated by the APVMA for formal review

In addition, an *All other foods except animal food commodities* MRL was not set for agvet chemicals where the level that was high enough to allow for inadvertent presence of the chemical in food, was at the level of existing commodity MRLs and therefore not low enough to limit the potential for 'off label' use of the chemical.

Food consumption data used

NEDI

For NEDI calculations, mean food consumption data were derived from all respondents (eaters and non-eaters of the foods containing the chemical residue) with two days of 24-hour recall data (n=7735) from the 2011–12 National Nutrition and Physical Activity Survey (NNPAS) component of the 2011–13 Australian Health Survey. This subset of NNPAS respondents were weighted using a specific set of sample weights to ensure the consumption data are representative of the Australian population. Consumption data represents the mean intake of a commodity (g/kg bw/day) for the whole population (i.e. 2 years and above), where each individual's consumption of a commodity was divided by their own body weight before population summary statistics were derived.

If no consumption of a commodity was recorded, a default value of 0.0001 was assigned, except in the case of edible vegetable oils, where Market share data from Euromonitor 2016 was used to estimate consumption. The percentage of market share data from Euromonitor for 'other vegetable oils' was used to calculate a percentage of the total consumption of vegetable oils.

NESTI

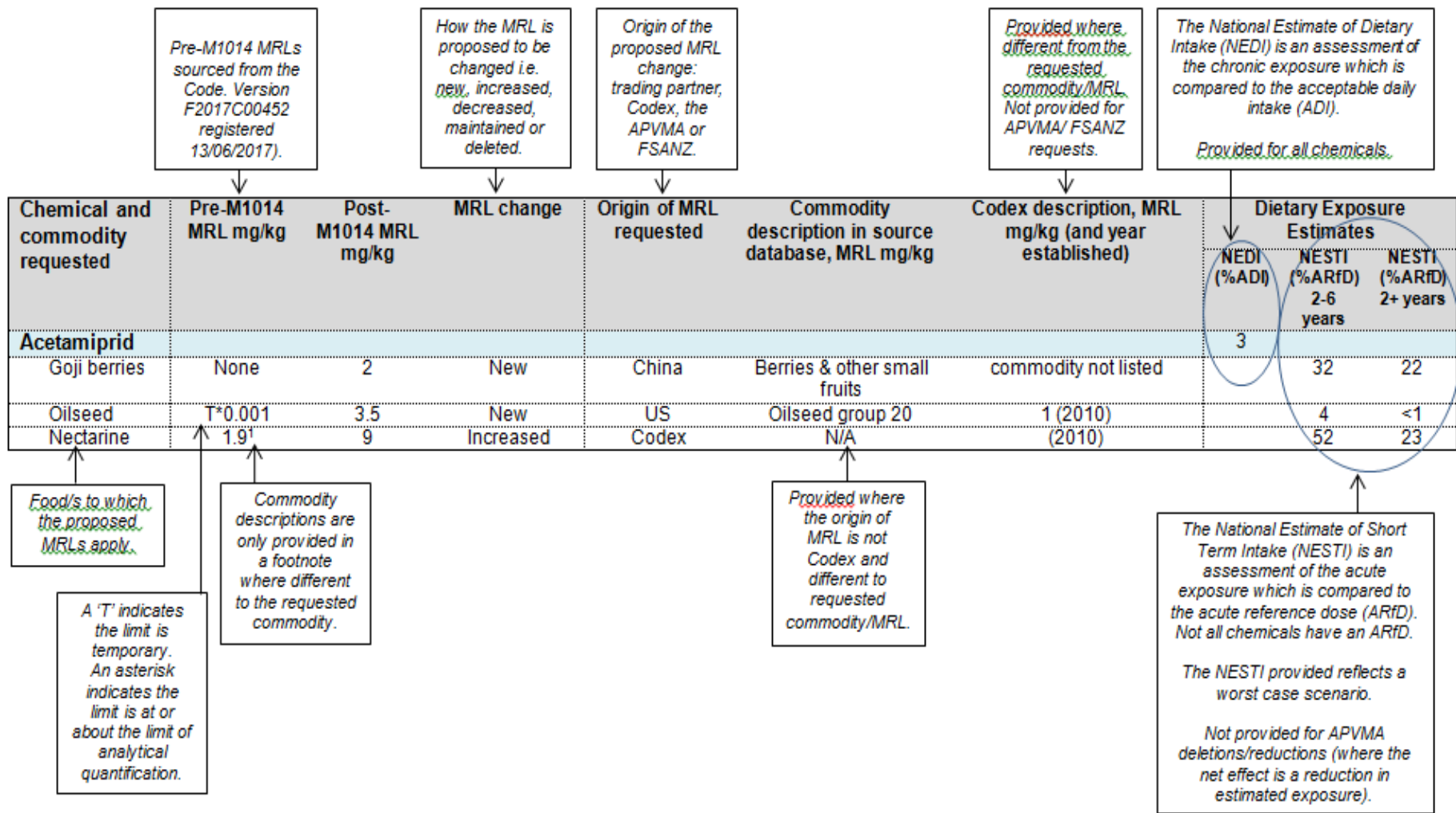
NESTI calculations, representing acute or short term exposure to an agvet chemical, use food consumption data at the 97.5th percentile, for consumers of the food of interest only, from the 2011-12 NNPAS using a single day of 24-hour recall data only. Consumption data were derived from the subset of survey respondents with two days of 24-hour recall data.

However, in this case the two days of recall data were pooled. This means the second day of recall data for each respondent were treated as a separate respondent, giving a greater total number of respondents with a single day of recall data (n=15470). The 97.5th percentile of consumption represents a high consumer of the particular food commodity from a single meal or over a 24 hour period, and is also termed the 'large portion'.

As ARfDs for chemicals may be set for specific population groups, consumption is derived for three population groups; children (2–6 years), whole population (two years and above), and women of childbearing age (16–44 years).

Assessment

For all the proposed MRLs, dietary exposure estimates indicate negligible chronic and acute health and safety concerns to Australian consumers. The proposed MRL changes, origin of requests, comparisons with Codex and the dietary exposure estimates for the Australian population are set out in 0. Dietary exposure assessment summaries and proposed *All other foods except animal food commodities* MRLs for all chemicals considered in M1014 are set out in Appendix to this document. The Interpretive Guide (Figure 1) is an **example** only. It provides relevant information that will assist with interpreting 0.



¹ Stone fruits [except apricot; peach]

Figure 1: Interpretive guide to the proposed MRL changes

Table 1: Proposed MRL Changes, Origin of Requests, Comparisons with Codex and Dietary Exposure Estimates for the Australian Population

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Acephate									
Citrus fruits	5	None	Deleted ²	APVMA	Citrus fruits				
Cotton seed	2	None	Deleted	APVMA	Cotton seed				
Lettuce, head	10	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	10	None	Deleted	APVMA	Lettuce, leaf				
Soya bean (dry)	1	None	Deleted	APVMA	Soya bean (dry)				
Sugar beet	0.1	None	Deleted	APVMA	Sugar beet				
Tree tomato (tamarillo)	0.5	None	Deleted	APVMA	Tree tomato (tamarillo)				
Acequinocyl							10%		
Cherries	None	0.5	New	US	Cherry, sweet 0.5	Chemical not listed		N/A ³	N/A
Acetamiprid							3%		
All other foods except animal food commodities	None	0.1	New	FSANZ					
Blueberries	None	1.6	New	US	Bushberry subgroup 13-07B 1.6	Berries and other small fruits (except grapes and strawberries) 2 (2012)		N/A	N/A
Aminocyclopyrachlor	Chemical not listed	Chemical inserted					<1%		
Edible offal (mammalian)	None	0.3	New	Canada	Meat by-products of cattle, sheep, goats, horses 0.3	Edible offal (mammalian) 0.3 (2015)		Not ⁴ required	Not required

² Where the request is for the deletion or reduction of the MRL for a chemical and specified food commodities DEAs are not undertaken.

³ Indicates NESTI estimates are not applicable as the ARfD has not been established for the chemical.

⁴ NESTI estimates not required for the chemical.

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Mammalian fats [except poultry fats]	None	0.05	New	Canada	Fat of goats, horses, sheep, cattle 0.05	Mammalian Fats (except milk fats) 0.03 (2015)		Not required	Not required
Milks	None	0.01	New	Canada	Milk 0.01	Milks 0.02 (2015)		Not required	Not required
Azoxystrobin							19%		
Celery	None	0.3	New	EU	Celery 0.3	Celery 5 (2009)		Not required	Not required
Potato	0.05	7	Increased	Codex	Potato 7	Potato 7 (2014)		Not required	Not required
Benzovindiflupyr	Chemical not listed	Chemical inserted					3%		
Grapes	None	1	New	US	Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F 1.0	Commodity not listed		18%	29%
Bifenthrin							51%		
Herbs (except Hops, dry)	Herbs T0.5	T0.5	Maintained	FSANZ					
Herbs	T0.5	None	Deleted	FSANZ					
Hops, dry	Herbs T0.5	10	New	US	Hop, dried cones 10	Hops, dry 20 (2011)		1%	7%
Brodifacoum		Chemical deleted							
Cereal grains	T*0.00002	None	Deleted	APVMA	Cereal grains				
Edible offal (mammalian)	T*0.00005	None	Deleted	APVMA	Edible offal (mammalian)				
Meat (mammalian)	T*0.00005	None	Deleted	APVMA	Meat (mammalian)				
Pulses	T*0.00002	None	Deleted	APVMA	Pulses				
Sugar cane	*0.0005	None	Deleted	APVMA	Sugar cane				
Buprofezin							94%		
Apple	None	3	New	Codex	Apple 3	Apple 3 (2010)		33%	9%
Carbaryl							43%		
Apricot	10	None	Deleted	APVMA	Apricot				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Asparagus	10	None	Deleted	APVMA	Asparagus				
Banana (in the pulp)	5	None	Deleted	APVMA	Banana (in the pulp)				
Blackberries	10	None	Deleted	APVMA	Blackberries				
Blueberries	7	None	Deleted	APVMA	Blueberries				
Brazilian cherry (grumichama)	5	None	Deleted	APVMA	Brazilian cherry (Grumichama)				
Carambola	5	None	Deleted	APVMA	Carambola				
Cherries	5	None	Deleted	APVMA	Cherries				
Custard apple	5	None	Deleted	APVMA	Custard apple				
Dewberries (including boysenberry and loganberry)	10	None	Deleted	APVMA	Dewberries (including boysenberry and loganberry)				
Elephant apple	5	None	Deleted	APVMA	Elephant apple				
Galangal, rhizomes (fresh)	T5	None	Deleted	APVMA	Galangal, rhizomes (fresh)				
Granadilla	5	None	Deleted	APVMA	Granadilla				
Jambu	5	None	Deleted	APVMA	Jambu				
Kiwifruit	10	None	Deleted	APVMA	Kiwifruit				
Leafy vegetables	10	None	Deleted	APVMA	Leafy vegetables				
Nectarine	10	None	Deleted	APVMA	Nectarine				
Oilseed [except cotton seed; sunflower seed]	0.1	None	Deleted	FSANZ					
Oilseed [except cotton seed]	Oilseed [except cotton seed; sunflower seed] 0.1	0.1	New	APVMA			Not required	Not required	
Okra	10	None	Deleted	APVMA	Okra				
Olives	10	None	Deleted	APVMA	Olives				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Olives, processed	1	None	Deleted	APVMA	Olives, processed				
Papaya (pawpaw)	5	None	Deleted	APVMA	Papaya (pawpaw)				
Passionfruit	5	None	Deleted	APVMA	Passionfruit				
Peach	10	None	Deleted	APVMA	Peach				
Plums (including prunes)	5	None	Deleted	APVMA	Plums (including prunes)				
Sapodilla	5	None	Deleted	APVMA	Sapodilla				
Sapote, black	5	None	Deleted	APVMA	Sapote, black				
Sapote, green	5	None	Deleted	APVMA	Sapote, green				
Sapote, mammey	5	None	Deleted	APVMA	Sapote, mammey				
Sapote, white	5	None	Deleted	APVMA	Sapote, white				
Sugar cane	T*0.05	None	Deleted	APVMA	Sugar cane				
Sunflower seed	1	None	Deleted	APVMA	Sunflower seed				
Sweet corn (corn-on-the-cob)	1	None	Deleted	APVMA	Sweet corn (corn-on-the-cob)				
Tree nuts	10	None	Deleted	APVMA	Tree nuts				
Tree nuts [except macadamia nuts; pecan]	1	None	Deleted	APVMA	Tree nuts [except macadamia nuts; pecan]				
Tree nuts (whole in shell)	10	None	Deleted	APVMA	Tree nuts (whole in shell)				
Turmeric, root (fresh)	T5	None	Deleted	APVMA	Turmeric, root (fresh)				
Vegetables [except as otherwise listed under this chemical]	5	None	Deleted	APVMA	Vegetables [except as otherwise listed under this chemical]				
Wheat bran, unprocessed	None	10	New	APVMA	Wheat bran, unprocessed	Wheat bran, unprocessed 2 (2004)		Not required	Not required
Carbendazim (Thiophanate)							15%		

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Mango	None	2	New	Vietnam	Mango 2	Mango 5 (2008)		Not required	57% ⁵
Podded pea (young pods) (snow and sugar snap)	None	0.02	New	China	Edible podded pea 0.02	Commodity not listed		Not required	<1%
Chlorantraniliprole							1%		
Peanut	None	0.06	New	US	Peanut 0.06	Commodity not listed		Not required	Not required
Chlorfenvinphos									
Broccoli	T0.05	None	Deleted	APVMA	Broccoli				
Brussels sprouts	T0.05	None	Deleted	APVMA	Brussels sprouts				
Cabbages, head	T0.05	None	Deleted	APVMA	Cabbages, head				
Carrot	T0.4	None	Deleted	APVMA	Carrot				
Cauliflower	T0.1	None	Deleted	APVMA	Cauliflower				
Celery	T0.4	None	Deleted	APVMA	Celery				
Cotton seed	T0.05	None	Deleted	APVMA	Cotton seed				
Egg plant	T0.05	None	Deleted	APVMA	Egg plant				
Horseradish	T0.1	None	Deleted	APVMA	Horseradish				
Leek	T0.05	None	Deleted	APVMA	Leek				
Maize	T0.05	None	Deleted	APVMA	Maize				
Mushrooms	T0.05	None	Deleted	APVMA	Mushrooms				
Onion, bulb	T0.05	None	Deleted	APVMA	Onion, bulb				
Peanut	T0.05	None	Deleted	APVMA	Peanut				
Potato	T0.05	None	Deleted	APVMA	Potato				
Radish	T0.1	None	Deleted	APVMA	Radish				
Rice	T0.05	None	Deleted	APVMA	Rice				
Swede	T0.05	None	Deleted	APVMA	Swede				
Sweet potato	T0.05	None	Deleted	APVMA	Sweet potato				
Tomato	T0.1	None	Deleted	APVMA	Tomato				

⁵ The ARfD for the chemical applies only to women of child-bearing age. Therefore no NESTI estimates are required for other population sub-groups.

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Turnip, garden	T0.05	None	Deleted	APVMA	Turnip, garden				
Wheat	T0.05	None	Deleted	APVMA	Wheat				
Chlorpyrifos-methyl							100%		
Strawberry	None	0.5	New	EU	Strawberries 0.5	Strawberry 0.06 (2010)		5% 1%	
Clopyralid							<2%		
All other foods except animal food commodities	None	0.1	New	FSANZ					
Cherries	None	0.5	New	US	Fruit, stone, group 12 0.5	Chemical not listed		N/A N/A	
Cranberry	None	4	New	US	Cranberry 4	Chemical not listed		N/A N/A	
Currants, black, red, white	None	0.5	New	EU	Currants (black, red and white) 0.5	Chemical not listed		N/A N/A	
Hops, dry	2	5	Increased	US	Hop, dried cones 5	Chemical not listed		N/A N/A	
Cyflumetofen	Chemical not listed	Chemical inserted					2%		
Citrus fruits	None	0.3	New	Codex	Citrus fruits 0.3	Citrus fruits 0.3 (2015)		Not required Not required	
Grapes	None	0.6	New	US/Codex	Grapes 0.6	Grapes 0.6 (2015)		Not required Not required	
Pome fruit	None	0.4	New	Codex	Pome fruits 0.4	Pome fruits 0.4 (2015)		Not required Not required	
Strawberry	None	0.6	New	Codex	Strawberry 0.6	Strawberry 0.6 (2015)		Not required Not required	
Tomato	None	0.3	New	Codex	Tomato 0.3	Tomato 0.3 (2015)		Not required Not required	
Tree nuts	None	0.01	New	Codex	Tree nuts 0.01	Tree nuts 0.01 (2015)		Not required Not required	
Cyfluthrin							25%		
Hops, dry	None	20	New	US	Hop, dried cones 20	Commodity not listed		5% 4%	
Cyhalothrin (Lambda Cyhalothrin)							4%		

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Hops, dry	None	10	New	US	Hop, dried cones 10	Commodity not listed		5%	4%
Podded pea (young pods) (snow and sugar snap)	None	0.2	New	China	Leguminous vegetable 0.2	Commodity not listed		5%	2%
Cypermethrin							23%		
Cumin seed	None	0.5	New	Codex	Spices, Fruits and Berries 0.5	Spices, Fruits and Berries 0.5 (2011)		<1%	<1%
Cyprodinil							38%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Pome fruits	0.05	2	Increased	Codex	Pome fruits 2	Pome fruits 2 (2014)		Not required	Not required
Cyromazine							3%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Podded pea (young pods) (snow and sugar snap)	None	0.5	New	China	Edible podded pea 0.5	Commodity not listed		2%	1%
Deltamethrin							72%		
Currants, black, red, white	None	0.5	New	EU	Currants (black, red and white) 0.5	Commodity not listed		2%	1%
Raspberries, red, black	None	0.5	New	EU	Raspberries (red and yellow) 0.5	Commodity not listed		2%	1%
Dichlorvos							18%		
Cacao beans	5	None	Deleted	APVMA	Cacao beans				
Cereal grains	5	*0.01	Decreased	APVMA	Cereal grains	Wheat 7 (2013)			
Coffee beans	2	None	Deleted	APVMA	Coffee beans				
Edible offal (mammalian)	0.05	*0.01	Decreased	APVMA	Edible offal (mammalian)	Edible offal (mammalian) *0.01 (2013)			
Eggs	0.05	*0.01	Decreased	APVMA	Eggs	Eggs *0.01 (2013)			
Fruit	0.1	None	Deleted	APVMA	Fruit				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Lentil (dry)	2	None	Deleted	APVMA	Lentil (dry)				
Lettuce, head	1	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	1	None	Deleted	APVMA	Lettuce, leaf				
Meat (mammalian)	0.05	*0.01	Decreased	APVMA	Meat (mammalian)	Meat (from mammals other than marine mammals) *0.01 (2013)			
Milks	0.02	*0.01	Decreased	APVMA	Milks	Milks *0.01 (2013)			
Mushrooms	0.5	None	Deleted	APVMA	Mushrooms				
Oilseed	None	*0.01	New	APVMA	Oilseeds	Commodity not listed	<1%	<1%	
Peanut	2	None	Deleted	APVMA	Peanut				
Poultry, edible offal of	0.05	*0.01	Decreased	APVMA	Poultry, edible offal of	Poultry, edible offal of *0.01 (2013)			
Poultry meat	0.05	*0.01	Decreased	APVMA	Poultry meat	Poultry meat 80.01 (2013)			
Pulses	None	*0.01	New	APVMA	Pulses	Commodity not listed	<1%	<1%	
Rape seed (canola)	T0.1	None	Deleted	APVMA	Rape seed (canola)				
Rice bran, unprocessed	10	None	Deleted	APVMA	Rice bran, unprocessed				
Soya bean, dry	2	None	Deleted	APVMA	Soya bean (dry)				
Tomato	0.5	None	Deleted	APVMA	Tomato				
Tree nuts	2	None	Deleted	APVMA	Tree nuts				
Vegetables [except as otherwise listed under this chemical]	0.5	None	Deleted	APVMA	Vegetables [except as otherwise listed under this chemical]				
Wheat bran, unprocessed	10	None	Deleted	APVMA	Wheat bran, unprocessed				
Wheat germ	10	None	Deleted	APVMA	Wheat germ				
Dicloran		Chemical deleted							
Beans [except broad bean; soya bean]	20	None	Deleted	APVMA	Beans [except broad bean; soya bean]				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Berries and other small fruits [except grapes]	20	None	Deleted	APVMA	Berries and other small fruits [except grapes]				
Broad bean (green pods and immature seeds)	20	None	Deleted	APVMA	Broad bean (green pods and immature seeds)				
Carrot	15	None	Deleted	APVMA	Carrot				
Grapes	10	None	Deleted	APVMA	Grapes				
Lettuce, head	20	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	20	None	Deleted	APVMA	Lettuce, leaf				
Onion, bulb	20	None	Deleted	APVMA	Onion, bulb				
Stone fruits	15	None	Deleted	APVMA	Stone fruits				
Sweet potato	20	None	Deleted	APVMA	Sweet potato				
Tomato	20	None	Deleted	APVMA	Tomato				
Difenoconazole							95%		
Brassica leafy vegetable	T5	2	Decreased	Codex	Brassica (Cole or Cabbage) Vegetable, Head cabbage, Flowerhead Brassicas 2	Brassica (Cole or Cabbage) Vegetable, Head cabbage, Flowerhead Brassicas 2 (2014)		7%	2%
Potato	*0.02	4	Increased	Codex	Potato 4	Potato 4 (2014)		22%	9%
Strawberry	None	0.4	New	EU	Strawberries 0.4	Commodity not listed		1%	<1%
Disulfoton		Chemical deleted							
Cotton seed	0.5	None	Deleted	APVMA	Cotton seed				
Edible offal (mammalian)	0.02	None	Deleted	APVMA	Edible offal (mammalian)				
Eggs	*0.02	None	Deleted	APVMA	Eggs				
Hops, dry	0.5	None	Deleted	APVMA	Hops, dry				
Meat (mammalian)	0.02	None	Deleted	APVMA	Meat (mammalian)				
Milks	0.01	None	Deleted	APVMA	Milks				
Potato	0.5	None	Deleted	APVMA	Potato				
Poultry meat	*0.02	None	Deleted	APVMA	Poultry meat				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Poultry, edible offal of	*0.02	None	Deleted	APVMA	Poultry, edible offal of				
Vegetables	0.5	None	Deleted	APVMA	Vegetables				
Endothal (Endothall)							<1%		
All other foods except animal food commodities	None	0.01	New	FSANZ					
Hops, dry	None	0.1	New	US	Hop, dried cones 0.1	Chemical not listed		N/A N/A	
Ethoprophos (Ethoprop)		Chemical deleted					<1%		
Banana	*0.05	None	Deleted	APVMA	Banana				
Cereal grains	*0.005	None	Deleted	APVMA	Cereal grains				
Custard apple	*0.02	None	Deleted	APVMA	Custard apple				
Hops, dry	None	0.02	New	US	Hop, dried cones 0.02	Commodity not listed		<1% <1%	
Litchi	*0.02	None	Deleted	APVMA	Litchi				
Potato	*0.02	None	Deleted	APVMA	Potato				
Sugar cane	*0.1	None	Deleted	APVMA	Sugar cane				
Sweet potato	*0.02	None	Deleted	APVMA	Sweet potato				
Tomato	*0.01	None	Deleted	APVMA	Tomato				
Etofenprox	Chemical not listed	Chemical inserted					<1%		
Hops, dry	None	5	New	US	All food commodities (including feed commodities) not otherwise listed in this subsection 5	Chemical not listed		<1% <1%	
Fenamiphos									
Aloe vera	1	*0.05	Decreased	APVMA	Aloe vera	Commodity not listed			

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Brassica (cole or cabbage) vegetables, head cabbages, flowerhead brassicas	*0.05	None	Deleted	APVMA	Brassica (cole or cabbage) vegetables, head cabbages, flowerhead brassicas				
Celery	*0.05	None	Deleted	APVMA	Celery				
Citrus fruits	*0.05	None	Deleted	APVMA	Citrus fruits				
Edible offal (mammalian)	*0.05	None	Deleted	APVMA	Edible offal (mammalian)				
Eggs	*0.05	None	Deleted	APVMA	Eggs				
Fruiting vegetables, cucurbits	*0.05	None	Deleted	APVMA	Fruiting vegetables, cucurbits				
Ginger, root	*0.05	None	Deleted	APVMA	Ginger, root				
Grapes	*0.05	None	Deleted	APVMA	Grapes				
Leafy vegetables [except lettuce, head; lettuce, leaf]	*0.05	None	Deleted	APVMA	Leafy vegetables [except lettuce, head; lettuce, leaf]				
Lettuce, head	0.2	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	0.2	None	Deleted	APVMA	Lettuce, leaf				
Meat (mammalian)	*0.05	None	Deleted	APVMA	Meat (mammalian)				
Milks	*0.005	None	Deleted	APVMA	Milks				
Mushrooms	0.1	None	Deleted	APVMA	Mushrooms				
Onion, bulb	*0.05	None	Deleted	APVMA	Onion, bulb				
Peanut	*0.05	None	Deleted	APVMA	Peanut				
Pineapple	*0.05	None	Deleted	APVMA	Pineapple				
Poultry meat	*0.05	None	Deleted	APVMA	Poultry meat				
Poultry, edible offal of	*0.05	None	Deleted	APVMA	Poultry, edible offal of				
Root and tuber vegetables	0.2	None	Deleted	APVMA	Root and tuber vegetables				
Strawberry	0.2	*0.05	Decreased	APVMA	Strawberry	Commodity not listed			
Sugar cane	*0.05	None	Deleted	APVMA	Sugar cane				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Tomato	0.5	None	Deleted	APVMA	Tomato				
Fenarimol							9%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Hops, dry	None	5	New	US	Hop, dried cones 5	Hops, dry 5 (1999)		N/A	N/A
Fenpropathrin							37%		
Blueberries	None	3	New	US	Bushberry subgroup 13-07B 3	Commodity not listed		66%	14%
Fenpropimorph	Chemical not listed	Chemical inserted					65%		
Banana	None	2	New	Codex	Banana 2	Banana 2 (2003)		21%	6%
Barley	None	0.5	New	Codex	Barley 0.5	Barley 0.5 (2001)		<1%	1%
Oats	None	0.5	New	Codex	Oats 0.5	Oats 0.5 (2001)		1%	<1%
Wheat	None	0.5	New	Codex	Wheat 0.5	Wheat 0.5 (2001)		1%	<1%
Fenpyroximate							38%		
All other foods except animal food commodities	None	0.1	New	FSANZ					
Cranberry	None	1	New	US	Berry, low growing, subgroup 13-07G 1	Commodity not listed		22%	22%
Currants, black, red, white	None	1	New	EU	Currants (black, red and white) 1	Commodity not listed		12%	22%
Raspberries, red, black	None	1.5	New	EU	Raspberries (red and yellow) 1.5	Commodity not listed		15%	22%
Stone fruits [except cherries]	None	0.4	New	Codex	Stone fruits 0.4	Stone fruits 0.4 (2014)		54%	22%
Fenthion		Chemical deleted							
Apricot	T0.2	None	Deleted	APVMA	Apricot				
Assorted tropical and sub-tropical fruits – inedible peel	5	None	Deleted	APVMA	Assorted tropical and sub-tropical fruits – inedible peel				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Cattle meat	1	None	Deleted	APVMA	Cattle meat				
Cattle, edible offal of	1	None	Deleted	APVMA	Cattle, edible offal of				
Cherries	T0.4	None	Deleted	APVMA	Cherries				
Citrus fruits	T0.7	None	Deleted	APVMA	Citrus fruits				
Eggs	*0.05	None	Deleted	APVMA	Eggs				
Grapes	T0.2	None	Deleted	APVMA	Grapes				
Melons, except watermelon	T3	None	Deleted	APVMA	Melons, except watermelon				
Milks	T0.2	None	Deleted	APVMA	Milks				
Nectarine	T0.25	None	Deleted	APVMA	Nectarine				
Olive oil, crude	T0.5	None	Deleted	APVMA	Olive oil, crude				
Olives	T0.2	None	Deleted	APVMA	Olives				
Peach	T0.2	None	Deleted	APVMA	Peach				
Peppers, chili	T7	None	Deleted	APVMA	Peppers, chili				
Peppers, chili, other cultivars	T7	None	Deleted	APVMA	Peppers, chili, other cultivars				
Peppers, sweet	T0.5	None	Deleted	APVMA	Peppers, sweet				
Persimmon, Japanese	T0.3	None	Deleted	APVMA	Persimmon, Japanese				
Pig meat	0.5	None	Deleted	APVMA	Pig meat				
Pig, edible offal of	0.5	None	Deleted	APVMA	Pig, edible offal of				
Plums	T0.25	None	Deleted	APVMA	Plums				
Pome fruits	T0.25	None	Deleted	APVMA	Pome fruits				
Poultry meat	*0.05	None	Deleted	APVMA	Poultry meat				
Poultry, edible offal of	*0.05	None	Deleted	APVMA	Poultry, edible offal of				
Sheep meat	0.2	None	Deleted	APVMA	Sheep meat				
Sheep, edible offal of	0.2	None	Deleted	APVMA	Sheep, edible offal of				
Watermelon	T3	None	Deleted	APVMA	Watermelon				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Fenvalerate (Esfenvalerate)							27%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Almonds	None	0.2	New	US	Almond 0.2	Commodity not listed		1%	1%
Flonicamid							13%		
Cranberry	None	1.5	New	US	Berry, low growing, subgroup 13-07G 1,5	Commodity not listed		Not required	Not required
Flubendiamide							24%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Almonds	None	0.06	New	US	Nut, tree, group 14 0.06	Tree nuts 0.1 (2011)		Not required	Not required
Fludioxonil							55%		
Potato	0.02	5	Increased	Codex	Potato 5	Potato 5 (2014)		N/A	N/A
Flumioxazin							18%		
All other foods except animal food commodities	None	0.02	New	FSANZ					
Blueberries	None	0.02	New	US	Bushberry subgroup 13-07B 0.02	Commodity not listed		Not required	Not required
Cherries	None	0.02	New	US	Fruit, stone, group 12 0.02	Commodity not listed		Not required	Not required
Hops, dry	None	0.05	New	US	Hop, dried cones 0.05	Commodity not listed		Not required	<1%
Fluopyram							54%		
All other foods except animal food commodities	None	0.1	New	FSANZ					

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Beans [except broad bean; snap bean (immature seeds); soya bean]	None	1	New	Codex	Beans, except broad bean and soya bean 1	Beans, except broad bean and soya bean 1 (2016)		<1%	<1%
Brussels sprouts	None	0.3	New	EU	Brussels sprouts 0.3	Brussels sprouts 0.3 (2015)		<1%	<1%
Chicory witloof	None	0.3	New	EU	Witloofs/Belgian endives 0.3	Commodity not listed		<1%	<1%
Cranberry	None	2	New	Canada	Cranberries 2	Commodity not listed		2%	1%
Garden pea, shelled	None	0.2	New	US/Codex	Pea and bean, succulent shelled, subgroup 6B 0.2	Peas, Shelled (succulent seeds) 0.2 (2016)		<1%	<1%
Peas (dry)	Pulses [except lentil (dry); soya bean (dry)] 0.09	0.7	New	Canada	Dry field peas 0.7	Commodity not listed		1%	<1%
Podded pea (young pods)	None	1	New	Codex	Beans, except broad bean and soya bean 1	Beans, except broad bean and soya bean 1 (2016)		<1%	<1%
Pulses [except lentil (dry); soya bean (dry)]	0.09	None	Deleted	FSANZ					
Pulses [except lentil (dry); pea (dry); soya bean (dry)]	Pulses [except lentil (dry); soya bean (dry)] 0.09	0.09	Maintained	FSANZ					
Snap bean (immature seeds)	None	0.2	New	US/Codex	Pea and bean, succulent shelled, subgroup 6B 0.2	Peas, Shelled (succulent seeds) 0.2 (2016)		<1%	<1%
Flusilazole									
Grapes	0.5	None	Deleted	APVMA	Grapes				
Pome fruits	0.2	None	Deleted	APVMA	Pome fruits				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Flutriafol							43%		
All other foods except animal food commodities	None	0.02	New	FSANZ					
Hops, dry	None	20	New	US	Hop, dried cones 20	Commodity not listed		4%	3%
Pome fruits	None	0.4	New	Codex	Pome fruits 0.4	Pome fruits 0.4 (2016)		45%	13%
Fosetyl-aluminium (Fosetyl-al) (Aluminium tris (O-ethylphosphonate))							1%		
Blueberries	None	40	New	US	Bushberry subgroup 13B 40	Chemical not listed		N/A	N/A
Cranberry	None	0.5	New	US	Cranberry 0.5	Chemical not listed		N/A	N/A
Strawberry	None	75	New	EU	Strawberries 75	Chemical not listed		N/A	N/A
Glyphosate							8%		
Hops, dry	*0.1	7	Increased	US	Hop, dried cones 7	Commodity not listed		N/A	N/A
Hexythiazox							19%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Almonds	None	0.3	New	US	Nut, tree, group 14 0.3	Tree nuts 0.05 (2010)		N/A	N/A
Imazamox							<1%		
Rice	0.05	2.5	Increased	Brazil	Rice 2.5	Rice 0.01 (2015)		1%	<1%
Wheat	*0.05	0.3	Increased	Brazil	Wheat 0.3	Wheat 0.05 (2015)		1%	<1%
Imidacloprid							20%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Stone fruits	0.5	None	Deleted	FSANZ					
Stone fruits [except cherries]	None	0.5	New	FSANZ					

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Cherries	Stone fruits 0.5	3	New	US	Fruit, stone, group 12 3	Cherries (includes all commodities in this subgroup) 4 (2016)		2%	1%
Inorganic bromide							48%		
All other foods except animal food commodities	None	15	New	FSANZ					
Almonds	None	200	New	US	Almond, postharvest 200	Commodity not listed		Not required	Not required
Iprodione							74%		
Almonds	*0.02	0.3	Increased	US	Almond 0.3	Almonds 0.2 (1997)		N/A	N/A
Maldison (Malathion)							85%		
Hops, dry	None	1	New	US	Hop, dried cones 1	Commodity not listed		<1%	<1%
Mesotrione							<1%		
Soya bean (dry)	None	0.03	New	Canada/ Codex	Dry soybeans 0.03	Soya bean (dry) 0.03 (2015)		N/A	N/A
Metaflumizone							<1%		
Cherries	None	0.04	New	US	Fruit, stone, group 12-12 0.04	Commodity not listed		N/A	N/A
Metalaxyl							5%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Berries and other small fruits [except grapes]	T0.5	None	Deleted	FSANZ					
Berries and other small fruits [except cranberry; grapes]	Berries and other small fruits [except grapes] T0.5	T0.5	Maintained	FSANZ					

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Cranberry	Berries and other small fruits [except grapes] T0.5	4	New	US	Cranberry 4	Commodity not listed		N/A	N/A
Metconazole							<1%		
Blueberries	None	0.4	New	US	Bushberry subgroup 13-07B 0.4	Chemical not listed		<1%	<1%
Methamidophos									
Celery	2	None	Deleted	APVMA	Celery				
Citrus fruits	0.5	None	Deleted	APVMA	Citrus fruits				
Cotton seed	0.1	None	Deleted	APVMA	Cotton seed				
Cucumber	0.5	None	Deleted	APVMA	Cucumber				
Egg plant	1	None	Deleted	APVMA	Egg plant				
Hops, dry	5	None	Deleted	APVMA	Hops, dry				
Leafy vegetables [except lettuce, head; lettuce, leaf]	T1	None	Deleted	APVMA	Leafy vegetables [except lettuce, head; lettuce, leaf]				
Lettuce, head	1	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	1	None	Deleted	APVMA	Lettuce, leaf				
Lupin (dry)	0.5	None	Deleted	APVMA	Lupin (dry)				
Peach	1	None	Deleted	APVMA	Peach				
Peanut	*0.02	None	Deleted	APVMA	Peanut				
Rape seed (canola)	0.1	None	Deleted	APVMA	Rape seed (canola)				
Soya bean (dry)	0.1	None	Deleted	APVMA	Soya bean (dry)				
Sugar beet	0.05	None	Deleted	APVMA	Sugar beet				
Tree tomato (tamarillo)	*0.01	None	Deleted	APVMA	Tree tomato (tamarillo)				
Methomyl							55%		
Cumin seed	None	0.07	New	Codex	Spices, Fruits and Berries 0.07	Spices, Fruits and Berries 0.07 (2011)		<1%	<1%

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Myclobutanil							13%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Herbs	T2	None	Deleted	FSANZ					
Herbs [except hops, dry]	Herbs T2	T2	Maintained	FSANZ					
Hops, dry	Herbs T2	10	New	US	Hop, dried cones 10	Hops, dry 5 (2015)		Not required	<1%
Naled							34%		
Hops, dry	None	0.5	New	US	Hop, dried cones 0.5	Chemical not listed		1%	<1%
Nicarbazin							<1%		
Eggs	None	0.3	New	APVMA	Eggs	Chemical not listed		N/A	N/A
Norflurazon							6%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Cranberry	None	0.1	New	US	Cranberry 0.1	Chemical not listed		N/A	N/A
Novaluron							28%		
All other foods except animal food commodities	None	0.1	New	FSANZ					
Cherries	None	8	New	US	Cherry subgroup 12-12A 8	Stone fruit 7 (2011)		Not required	Not required
Oxathiapiprolin							<1%		
All other foods except animal food commodities	None	0.02	New	FSANZ					
Bulb vegetables [except onion, bulb]	1	2	Increased	US	Onion, green, subgroup 3-07B 2	Chemical not listed		N/A	N/A
Fruiting vegetables, other than cucurbits	None	0.5	New	US	Vegetable, fruiting, group 8-10 0.5	Chemical not listed		N/A	N/A

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Onion, bulb	0.02	0.04	Increased	US	Onion, bulb, subgroup 3-07A 0.04	Chemical not listed		N/A	N/A
Peas (pods and succulent, immature seeds)	None	1	New	US/Canada	Pea, edible-podded 1	Chemical not listed		N/A	N/A
Peas, shelled (succulent seeds)	None	0.05	New	US/Canada	Pea, succulent shelled 0.05	Chemical not listed		N/A	N/A
Potato	None	0.04	New	US/Canada	Potatoes 0.01 (Canada) Vegetable, tuberous and corm, subgroup 1C 0.04 (US)	Chemical not listed		N/A	N/A
Paraquat							52%		
Hops, dry	0.2	0.5	Increased	US	Hop, dried cones 0.5	Hops, dry 0.1 (2006)		1%	1%
Phenothrin		Chemical deleted							
Edible offal (mammalian)	*0.5	None	Deleted	APVMA	Edible offal (mammalian)				
Eggs	*0.5	None	Deleted	APVMA	Eggs				
Meat (mammalian)	*0.5	None	Deleted	APVMA	Meat (mammalian)				
Milks	*0.05	None	Deleted	APVMA	Milks				
Wheat	2	None	Deleted	APVMA	Wheat				
Wheat bran, unprocessed	5	None	Deleted	APVMA	Wheat bran, unprocessed				
Wheat germ	5	None	Deleted	APVMA	Wheat germ				
2-Phenylphenol									
Carrot	20	None	Deleted	APVMA	Carrot				
Cherries	3	None	Deleted	APVMA	Cherries				
Cucumber	10	None	Deleted	APVMA	Cucumber				
Melons, except watermelon	10	None	Deleted	APVMA	Melons, except watermelon				
Nectarine	3	None	Deleted	APVMA	Nectarine				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Peach	20	None	Deleted	APVMA	Peach				
Pear	25	None	Deleted	APVMA	Pear				
Peppers, sweet	10	None	Deleted	APVMA	Peppers, sweet				
Pineapple	10	None	Deleted	APVMA	Pineapple				
Plums (including prunes)	15	None	Deleted	APVMA	Plums (including prunes)				
Sweet potato	15	None	Deleted	APVMA	Sweet potato				
Tomato	10	None	Deleted	APVMA	Tomato				
Phosphine							<1%		
Assorted tropical and sub-tropical fruits - edible peel	T*0.01	None	Deleted	APVMA	Assorted tropical and sub-tropical fruits - edible peel				
Citrus fruits	None	0.01	New	US	citrus citron, oranges, lemons, limes, tangerines, tangelos, etc 0.01	Commodity not listed.		3%	1%
Melons, except watermelon	T*0.01	None	Deleted	APVMA	Melon, except watermelon				
Pome fruits	T*0.01	None	Deleted	APVMA	Pome fruits				
Stone fruits	T*0.01	None	Deleted	APVMA	Stone fruits				
Propyzamide							3%		
Cherries	None	0.1	New	US	Fruit, stone, group 12 0.1	Chemical not listed		N/A	N/A
Currants, black, red, white	None	0.01	New	EU	Currants (black, red and white) 0.01*	Chemical not listed		N/A	N/A
Prothioconazole							7%		
All other foods except animal food commodities	None	0.02	New	FSANZ					
Blueberries	None	2	New	US	Bushberry, subgroup 13-07B 2	Bush berries 1.5 (2015)		Not required	8%
Pyraflufen-ethyl							<1%		

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Cherries	None	0.01	New	US	Fruit, stone, group 12 0.01	Chemical not listed		<1%	<1%
Pyridaben							94%		
Hops, dry	None	10	New	US	Hop, dried cones 10	Chemical not listed		N/A	N/A
Pyrimethanil							32%		
Berries and other small fruits [except grapes; strawberry]	T5	None	Deleted	FSANZ					
Berries and other small fruits [except blueberries; grapes; strawberry]	Berries and other small fruits [except grapes; strawberry] T5	15	New	Codex	Blackberries 15 Raspberries 15	Blackberries 15; Raspberries 15 (2016)		Not required	Not required
Blueberries	Berries and other small fruits [except grapes; strawberry] T5	8	New	Codex	Blueberries 8	Blueberries 8 (2016)		Not required	Not required
Onion, bulb	0.1	0.2	Increased	US	Onion, bulb, subgroup 3-07A 0.2	Onion, bulb 0.2 (2008)		Not required	Not required
Pome fruits	7	15	Increased	Codex	Pome fruits 15	Pome fruits 15 (2014)		Not required	Not required
Potato	*0.01	0.05	Increased	Codex	Potato 0.05	Potato 0.05 (2008)		Not required	Not required
Sweet potato	None	0.05	New	US	Vegetable, tuberous and corm, subgroup 1C 0.05	Commodity not listed		Not required	Not required
Quintozene									
Banana	1	None	Deleted	APVMA	Banana				

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Beans [except broad bean; soya bean]	0.01	None	Deleted	APVMA	Beans [except broad bean; soya bean]				
Brassica (cole or cabbage) vegetables, head cabbages, flowerhead brassicas	0.02	None	Deleted	APVMA	Brassica (cole or cabbage) vegetables, head cabbages, flowerhead brassicas				
Broad bean (green pods and immature seeds)	0.01	None	Deleted	APVMA	Broad bean (green pods and immature seeds)				
Celery	0.3	None	Deleted	APVMA	Celery				
Common bean (dry) (navy bean)	0.2	None	Deleted	APVMA	Common bean (dry) (navy bean)				
Cotton seed	0.03	None	Deleted	APVMA	Cotton seed				
Lettuce, head	0.3	None	Deleted	APVMA	Lettuce, head				
Lettuce, leaf	0.3	None	Deleted	APVMA	Lettuce, leaf				
Mushrooms	10	None	Deleted	APVMA	Mushrooms				
Onion, bulb	0.2	None	Deleted	APVMA	Onion, bulb				
Peppers, sweet	0.01	None	Deleted	APVMA	Peppers, sweet				
Potato	0.2	None	Deleted	APVMA	Potato				
Tomato	0.1	None	Deleted	APVMA	Tomato				
Rimosulfuron	Amend to Rimsulfuron						<1%		
Almonds	None	0.01	New	US	Nut, tree, group 14 0.01	Chemical not listed		N/A	N/A
Cherries	None	0.01	New	US	Fruit, stone, group 12 0.01	Chemical not listed		N/A	N/A
Saflufenacil							4%		
All other foods except animal food commodities	None	0.03	New	FSANZ					

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Barley (desiccant use)	Cereal grains *0.03	1	New	US	Cereal grains 1	Cereal grains 0.01 (2012)		1%	7%
Wheat (desiccant use)	Cereal grains *0.03	0.6	New	US	Cereal grains 1	Cereal grains 0.01 (2012)		15%	5%
Sedaxane							<1%		
All other foods except animal food commodities	None	0.01	New	FSANZ					
Potato	None	0.02	New	US	Potato 0.02	Commodity not listed		<1%	<1%
Sethoxydim (Clethodim)							50%		
Blueberries	None	0.2	New	US	Bushberry subgroup 13-07B 0.2	Commodity not listed		N/A	N/A
Cherries	None	0.2	New	US	Fruit, stone, group 12-12 0.2	Commodity not listed		N/A	N/A
Spinetoram							15%		
All other foods except animal food commodities	None	0.01	New	FSANZ					
Almonds	None	0.1	New	US	Nut, tree, group 14-12 0.1	Tree nuts 0.01 (2009)		Not required	Not required
Spirotetramat							17%		
Almonds	None	0.25	New	US	Nut, tree, group 14 0.25	Tree nuts 0.5 (2009)		<1%	<1%
Tebuconazole							12%		
All other foods except animal food commodities	None	0.05	New	FSANZ					
Cotton seed	T1	2	Increased	Codex	Cotton seed 2	Cotton seed 2 (2012)		Not required	Not required

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Cucumber	None	0.4	New	US	Vegetable, cucurbit, group 9 0.4	Cucumber 0.2 (2016)		Not required	Not required
Grapes	5	6	Increased	Codex	Grapes 6	Grapes 6 (2012)		Not required	Not required
Melons, except watermelon	None	0.4	New	US	Vegetable, cucurbit, group 9 0.4	Melon, except watermelon 0.15 (2012)		Not required	Not required
Sunflower seed oil, edible	None	0.2	New	US	Sunflower, refined oil 0.2	Sunflower seed 0.1 (2016)		Not required	Not required
Tree nuts [except almonds]	None	0.05	New	Codex	Tree nuts 0.05	Tree nuts 0.05 (2012)		Not required	Not required
Tetradifon									
Cotton seed	5	None	Deleted	APVMA	Cotton seed				
Hops, dry	5	None	Deleted	APVMA	Hops, dry				
Thiacloprid							21%		
All other foods except animal food commodities	None	0.1	New	FSANZ					
Currants, black, red, white	None	1	New	EU	Currants (black, red and white) 1	Berries and other small fruits 1 (2007)		8%	3%
Raspberries, red, black	None	6	New	EU	Raspberries (red and yellow) 6	Berries and other small fruits 1 (2007)		39%	3%
Thiamethoxam							6%		
All other foods except animal food commodities	None	0.02	New	FSANZ					
Podded pea (young pods) (snow and sugar snap)	None	0.01	New	Codex	Legume vegetables 0.01	Legume vegetables 0.01 (2011)		<1%	<1%
Thifensulfuron	Amend to Thifensulfuron-Methyl								
Triadimenol							12%		
Cherries	None	0.1	New	EU	Stone fruit, cherries 0.1	Commodity not listed		<1%	<1%
Trifloxystrobin							23%		

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
All other foods except animal food commodities	None	0.05	New	FSANZ					
Barley	None	0.5	New	Codex	Barley 0.5	Barley 0.5 (2006)		Not required	Not required
Beans [except broad bean; soya bean]	None	0.06	New	US	Peas, dry, seed 0.06	Bean (dry) 0.01 (2016)		Not required	Not required
Broccoli	None	2	New	US	Brassica, head and stem, subgroup 5A 2	Commodity not listed		Not required	Not required
Carrot	None	0.1	New	Codex	Carrot 0.1	Carrot 0.1 (2006)		Not required	Not required
Cauliflower	None	2	New	US	Brassica, head and stem, subgroup 5A 2	Commodity not listed		Not required	Not required
Cucumber	T*0.1	0.5	Increased	US	Vegetable, cucurbit, group 9 0.5	Fruiting vegetables, Cucurbits 0.3 (2006)		Not required	Not required
Currants, black, red, white	None	1.5	New	EU	Currants (black, red and white) 1.5	Commodity not listed		Not required	Not required
Grapefruit	None	0.6	New	US	Fruit, citrus, group 10 0.6	Citrus fruits 0.5 (2006)		Not required	Not required
Lemon	None	0.6	New	US	Fruit, citrus, group 10 0.6	Citrus fruits 0.5 (2006)		Not required	Not required
Maize	None	0.05	New	US	Corn, field, grain 0.05	Maize 0.02 (2006)		Not required	Not required
Melons, except watermelon	None	0.5	New	US	Vegetable, cucurbit, group 9 0.5	Fruiting vegetables, Cucurbits 0.3 (2006)		Not required	Not required
Oranges	None	0.6	New	US	Fruit, citrus, group 10 0.6	Citrus fruits 0.5 (2006)		Not required	Not required
Peanut	None	0.05	New	US	Peanut 0.05	Peanut 0.02 (2006)		Not required	Not required
Peanut oil, crude	None	0.05	New	US	Peanut 0.05	Peanut 0.02 (2006)		Not required	Not required

Chemical and commodity Requested	Pre-M1014 MRL mg/kg	Post M1014 MRL mg/kg	MRL change	Origin of MRL requested	Commodity description in source database, MRL mg/kg	Codex description, MRL mg/kg (and year established)	Dietary Exposure Estimates		
							NEDI (%ADI)	NESTI (%ARfD) 2-6 years	NESTI (%ARfD) 2+ years
Peppers, sweet	T0.5	None	Deleted	FSANZ					
Peppers	Peppers, sweet T0.5	0.5	New	US	Vegetable, fruiting 0.5	Peppers, sweet (including pimento or pimiento) 0.3 (2006)		Not required	Not required
Pistachio nuts	None	0.04	New	US	Pistachio 0.04	Tree nuts 0.02 (2006)		Not required	Not required
Podded pea (young pods) (snow and sugar snap)	None	0.06	New	US	Peas, dry, seed 0.06	Bean (dry) 0.01 (2016)		Not required	Not required
Pome fruits	0.3	0.7	Increased	Codex	Pome fruits 0.7	Pome fruits 0.7 (2006)		Not required	Not required
Popcorn	None	0.05	New	US	Corn, pop, grain 0.05	Maize 0.02 (2006)		Not required	Not required
Sugar beet	None	0.1	New	US	Beet, sugar, roots 0.1	Sugar beet 0.05 (2006)		Not required	Not required
Sweet corn (corn-on-the-cob)	None	0.04	New	US	Corn, sweet, kernel plus cob with husks removed 0.04	Maize 0.02 (2006)		Not required	Not required
Walnuts	None	0.04	New	US	Nut, tree, group 14 0.04	Tree nuts 0.02 (2006)		Not required	Not required
Wheat	None	0.2	New	Codex	Wheat 0.2	Wheat 0.2 (2006)		Not required	Not required
Virginiamycin									
Eggs	*0.1	None	Deleted	APVMA	Eggs				
Pig fat	0.2	None	Deleted	APVMA	Pig fat				
Pig, edible offal of	0.2	None	Deleted	APVMA	Pig, edible offal of				
Pig meat	*0.1	None	Deleted	APVMA	Pig meat				

Appendix – Dietary exposure assessment summaries and proposed *All other foods except animal food commodities* MRLs

List of chemicals considered

All assessments for the chemicals considered follow the principles for establishing *All other foods except animal food commodities* MRLs set out in [Supporting Document 1 \(at Approval\)](#)⁶ for Proposal P1027 – Managing Low-level Ag & Vet Chemicals without Maximum Residue Limits.

2,4-Dichlorophenoxyacetic acid (2,4-D)

2,4-Dichlorophenoxyacetic acid was excluded from consideration of an *All other foods except animal food commodities* MRL as the chronic dietary exposure (National Estimate of Dietary Intake, NEDI) from existing permissions was >80% of the ADI.

Acequinocyl

Acequinocyl was excluded from consideration of an *All other foods except animal food commodities* MRL. Although this chemical has commodities listed in the *Australia New Zealand Food Standards Code* (the Code), there are no registered uses of acequinocyl in Australia.

Acetamiprid

An *All other foods except animal food commodities* MRL of 0.1 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05 mg/kg
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is *0.05 mg/kg (potato) to T5 mg/kg (dates)
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg (tomato)
Most relevant reference point to minimise off-label use	0.1 mg/kg. Although potato MRL is lower, the chemical is applied to leaves and not to the commodity which is underground, making it unsuitable.
Consumption amount (g/kg bw/day) used in NEDI calculation	36.8 (for the DEA, FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	2% of the ADI
Proposed <i>All other foods except animal food commodities</i> MRL ²	0.1 mg/kg
NEDI including <i>All other foods except animal food commodities</i> and existing permissions	3% of the ADI

⁶ <http://www.foodstandards.gov.au/code/proposals/Pages/P1027.aspx>

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Considerations	Comments
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg represents a contribution of 14% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2-6 years of age: worse case (pineapple) 11% of the ARfD. Population aged 2 years and above: worse case (milk) 3% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Aminocyclopyrachlor

Aminocyclopyrachlor was excluded from consideration of an *All other foods except animal food commodities* MRL as it is not listed in Schedule 20 and there is no registered use of aminocyclopyrachlor in Australia.

Azoxystrobin

An MRL of 0.1 mg/kg for all other foods except animal food commodities for azoxystrobin was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Benzovindiflupyr

Benzovindiflupyr was excluded from consideration of an *All other foods except animal food commodities* MRL as it is not listed in Schedule 20, and there is no registered use of benzovindiflupyr in Australia.

Bifenthrin

An MRL of 0.03 mg/kg for all other foods except animal food commodities for bifenthrin was gazetted in the Code in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Buprofezin

Buprofezin was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI from existing permissions is >80% of the ADI.

Carbendazim

Carbendazim was excluded from consideration of an *All other foods except animal food commodities* MRL as it is a Schedule 7 only poison.

Chlorantraniliprole

An MRL of *0.01 mg/kg for all other foods for chlorantraniliprole has been established by the APVMA and is currently listed in the Code. This MRL was not reviewed as part of M1014.

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Chlorpyrifos-methyl

Chlorpyrifos-methyl was excluded from consideration of an MRL for all other foods except animal food commodities because the NEDI from existing permissions is >80% of the ADI.

Clethodim (see Sethoxydim)

See Sethoxydim

Clopyralid

An *All other foods except animal food commodities* MRL of 0.1 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05 mg/kg (EFSA MRL standard for Clopyralid as at 24/2/2017)
Lowest plant commodity MRL	T0.2 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is T0.2 mg/kg (cauliflower) to 4 mg/kg (cranberry, strawberry)
Lowest plant commodity MRL that is not the LOD	0.2 mg/kg
Most relevant reference point to minimise off-label use	0.2 mg/kg.
Consumption amount (g/kg bw/day) used in NEDI calculation	43.1 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	1% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.1 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	2% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	Although an <i>All other foods except animal food commodities</i> MRL of 0.4 mg/kg could have been used, which contributed <20% of total dietary exposure, this limit was considered too high and may encourage off-label use. An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg represents a contribution of 6% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Clopyralid because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

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Cyflumetofen

Cyflumetofen was excluded from consideration of an *All other foods except animal food commodities* MRL as it is not listed in Schedule 20 and there is no registered use of cyflumetofen in Australia.

Cyfluthrin

An MRL of 0.05 mg/kg for all other foods except animal food commodities for cyfluthrin was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Cyhalothrin

Cyhalothrin was excluded from consideration of an *All other foods except animal food commodities* MRL as it is a Schedule 7 only poison.

Cypermethrin

An MRL of *0.01 mg/kg for all other foods for cypermethrin has been established by the APVMA and is currently listed in the Code. This MRL was not reviewed as part of M1014.

Cyprodinil

An MRL for all other foods except animal food commodities of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 (Dept. of Ag.)
Lowest plant commodity MRL	0.05 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.05 mg/kg (Dried stone fruits, Pome fruits) to 10 mg/kg (Blackberries, Boysenberry, Leafy vegetables, Raspberries, red, black).
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	0.1mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	40.48 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	37 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	38% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	Although an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg could have been used, which contributed <20% of total dietary exposure, this limit was considered too high and may encourage off-label use. An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 2% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Cyprodinil because the OCS has not

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Considerations	Comments
	established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Cyromazine

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05 (US EPA 1988 - Office of pesticides and toxic substances report - file R092864)
Lowest plant commodity MRL	0.5 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.5 mg/kg (Podded pea (young pods) [Mangetout, Sugar pea] to 10 mg/kg (Mushrooms).
Lowest plant commodity MRL that is not the LOD	0.5 mg/kg
Most relevant reference point to minimise off-label use	0.05 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	44.6 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	2% of the ADI
Proposed <i>All other foods except animal food commodities</i> MRL ²	0.05 mg/kg
NEDI including <i>All other foods except animal food commodities</i> and existing permissions	3% of the ADI
Percentage contribution of <i>All other foods except animal food commodities</i> to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 14% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2-6 years of age (worse case (Pineapple), 5% of the ARfD. Population aged 2 years and above (worse case (Milk), <2% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Deltamethrin

An MRL of 0.05 mg/kg for all other foods except animal food commodities for deltamethrin was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

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Dichlorvos

It was not considered appropriate at this time to establish an *All other foods except animal food commodities* MRL based on the APVMA's proposed deletion or reduction of many permitted uses of this chemical in Australia. Therefore no *All other foods except animal food commodities* MRL is proposed.

Difenoconazole

Difenoconazole was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI from existing permissions is >80% of the ADI.

Endothal

An *All other foods except animal food commodities* MRL of 0.01 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 (US EPA)
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	Two commodities are currently listed in Schedule 20 for endothal (cotton seed and potato). Both have the same MRL of 0.1 mg/kg
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg
Most relevant reference point to minimise off-label use	0.01 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	44.80 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	<1% of the ADI
Proposed <i>All other foods except animal food commodities</i> MRL ²	0.01 mg/kg
NEDI including <i>All other foods except animal food commodities</i> and existing permissions	1% of the ADI
Percentage contribution of <i>All other foods except animal food commodities</i> to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg represents a contribution of 24% to total dietary exposure which is slightly above the 20% target but is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for endothal because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Ethoprophos

Ethoprophos was excluded from consideration of an *All other foods except animal food commodities* MRL as there are no registered uses and current permissions in Schedule 20 of the Code are being deleted as part of M1014.

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Etofenprox

Etofenprox was excluded from consideration of an *All other foods except animal food commodities* MRL as there are no registered uses in Australia and it is not listed in Schedule 20 of the Code.

Fenarimol

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.1 mg/kg (Grapes) to 1 mg/kg (Cherries)
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg
Most relevant reference point to minimise off-label use	0.05 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	42.20 g/kg bw/day (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	7 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	9% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 24% to total dietary exposure which is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for fenarimol because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Fenpropathrin

Fenpropathrin was excluded from consideration of an *All other foods except animal food commodities* MRL as there are no registered uses of fenpropathrin in Australia.

Fenpropimorph

Fenpropimorph was excluded from consideration of an *All other foods except animal food commodities* MRL as it is not listed in Schedule 20 and there are no registered uses of fenpropimorph in Australia.

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Fenpyroximate

An *All other foods except animal food commodities* MRL of 0.1 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.1 mg/kg (Tea, Green, Black) to 10 mg/kg (Hops, dry).
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg
Most relevant reference point to minimise off-label use	0.1 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	40.69 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	34 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.1 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	38% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1mg/kg represents a contribution of 11% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2-6 years of age (worse case (pineapple), 53% of the ARfD. Population aged 2 years and above (worse case (Nectarine), 22% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Fenvalerate

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 mg/kg (Dept. of Ag.)
Lowest plant commodity MRL	0.05 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.05 mg/kg (Sweet corn (corn-on-the-cob, Tea, green, black) to 7 mg/kg (Olive oil, refined).
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	0.05 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	38.13 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)

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Considerations	Comments
Chronic dietary exposure (NEDI) considering existing permissions only	26% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	27% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 4% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Although the M1014 harmonisation request for stone fruit was rejected because it resulted in the acute estimated dietary exposure exceeding the ARfD for both population groups, an <i>All other foods except animal commodities</i> MRL was still able to be considered. Children 2-6 years of age: worse case (Pineapple) 27% of the ARfD. Population aged 2 years and above: worse case (Grapes), 6% of the ARfD
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Flubendiamide

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.02-0.05 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 mg/kg (Potato, Spices) to 20 mg/kg (Herbs)
Lowest plant commodity MRL that is not the LOD	0.2 mg/kg
Most relevant reference point to minimise off-label use	0.05mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	38.48 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	23 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	24% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 3% to total dietary exposure which is within the 20% target and is considered acceptable.

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Considerations	Comments
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Flonicamid because the OCS considered an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Fludioxonil

An MRL of 0.02 mg/kg for all other foods except animal food commodities for fludioxonil was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Flumioxazin

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.1 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg (Grapes, Sugarcane) to 0.1 mg/kg (Oilseed, Pulses).
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.02 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	40.8 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	15 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	18% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 19% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	ARfD for flumioxazin only applies to women of child-bearing age. An ARfD for the general population is considered to be unnecessary. Females 16-44 years of age: worse case (watermelon) 2% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

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Fluopyram

An *All other foods except animal food commodities* MRL of 0.1 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg [Rape seed (canola)] to 15 mg/kg (Dried grapes (currants, raisins and sultanas) .
Lowest plant commodity MRL that is not the LOD	0.03 mg/kg
Most relevant reference point to minimise off-label use	0.1 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	39.58 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	50% of the ADI
Proposed <i>All other foods except animal food commodities</i> MRL ²	0.1 mg/kg
NEDI including <i>All other foods except animal food commodities</i> and existing permissions	54% of the ADI
Percentage contribution of <i>All other foods except animal food commodities</i> to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg represents a contribution of 7% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: worse case (Pineapple) 2% of the ARfD. Population aged 2 years and above: worse case (Milk), <1% of the ARfD
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Flutriafol

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.02 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg [Garden pea (young pods), Sugar cane] to 20 mg/kg (Hops, dry).
Lowest plant commodity MRL that is not the LOD	0.2 mg/kg
Most relevant reference point to minimise off-label use	0.02 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	38.70 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)

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Considerations	Comments
Chronic dietary exposure (NEDI) considering existing permissions only	42% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	43% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 15% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2-6 years of age: worse case (Pineapple) 4% of the ARfD. Population aged 2 years and above: worse case (Milk), 1% of the ARfD
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Fluxapyroxad

An MRL of 0.1 mg/kg for all other foods except animal food commodities for fluxapyroxad was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Fosetyl-aluminium

Fosetyl-aluminium was excluded from consideration of an *All other foods except animal food commodities* MRL as there are no registered uses of Fosetyl-aluminium in Australia.

Glyphosate

An MRL of 0.2 mg/kg for all other foods except animal food commodities for glyphosate was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Hexythiazox

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 - 0.05 mg/kg (Dept. of Ag.)
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 mg/kg (Potato) to 4 mg/kg [Tea, green, black (black, fermented and dried)].
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	The lowest MRL is established at the LOD (T*0.02) for potato. This reference point was excluded because the chemical is applied to leaves making it unsuitable. The MRL of 0.05 mg/kg was used as the reference point.

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Considerations	Comments
Consumption amount (g/kg bw/day) used in NEDI calculation	38.84 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	18% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	19% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 3% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Hexythiazox because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Hydrogen cyanide

Hydrogen cyanide was excluded from consideration of an *All other foods except animal food commodities* MRL as there is no registered use of hydrogen cyanide as a pesticide in Australia.

Imidacloprid

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.05 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg (Hazelnuts) to 20 mg/kg Leafy vegetables (except Lettuce, Head).
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	0.05mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	30.66 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	20% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05mg/kg
NEDI including All other foods except animal food commodities and existing permissions	20% of the ADI

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Considerations	Comments
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05mg/kg represents a contribution of 1% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: worse case (Pineapple) 3% of the ARfD. Population aged 2 years and above: worse case (Milk), <1% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Iprodione

An MRL of 0.1 mg/kg for all other foods except animal food commodities for iprodione was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Malathion (Maldison)

Malathion was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI from existing permissions is >80% of the ADI.

Mesotrione

Mesotrione was excluded from consideration of an *All other foods except animal food commodities* MRL as there is no registered use of mesotrione in Australia.

Metaflumizone

Metaflumizone was excluded from consideration of an *All other foods except animal food commodities* MRL as there is no registered use of metaflumizone in Australia.

Metalaxyl & Metalaxyl-M (Mefenoxam)

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.1 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	*0.01 mg/kg (Beetroot; Papaya) (* denotes set at the Limit of Determination)
Magnitude of existing plant commodity MRLs	The range of existing MRLs is T*0.01/0.01 mg/kg (Beetroot, Papaya [paw paw]) to 10 mg/kg (hops, dry).
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg
Most relevant reference point to minimise off-label use	0.05 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	33.57 (FSANZ has assumed in the NEDI calculations that 10% of this consumption amount would be likely to contain residues)

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Considerations	Comments
Chronic dietary exposure (NEDI) considering existing permissions only	4% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	5% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 4% to total dietary exposure which is within the 20% target.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for metalaxyl because the APVMA Health Assessment team has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Metconazole

Metconazole was excluded from consideration of an *All other foods except animal food commodities* MRL as there is no registered use of metconazole in Australia.

Methomyl

An MRL of 0.05 mg/kg for all other foods except animal food commodities for methomyl was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Myclobutanil

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05 mg/kg
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 mg/kg (Asparagus) to 10 mg/kg (Hops, dry).
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.05mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	42.2 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	12 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg

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Considerations	Comments
NEDI including All other foods except animal food commodities and existing permissions	13% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 5% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	The OCS has not established an ARfD for myclobutanil. The JMPR ARfD for myclobutanil is for women of child-bearing age only. Females 16-44 years of age: worse case (Milk), 1% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Naled

Naled was excluded from consideration of an *All other foods except animal food commodities* MRL as there are no registered uses in Australia. Existing naled permissions will be deleted from Schedule 20 in the next 12 months as part of the APVMA routine MRL process.

Nicarbazin

As per principles established in P1027, nicarbazin was excluded from consideration of an *All other foods except animal food commodities* MRL as it is a veterinary medicine.

Norflurazon

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.2 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.05 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.05 mg/kg (Asparagus) to 3 mg/kg (Hops, dry)
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	0.05mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	46.18 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	5% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	6% of the ADI

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Considerations	Comments
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg represents a contribution of 19% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Norflurazon because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Novaluron

An *All other foods except animal food commodities* MRL of 0.01 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 (as indicated by * in existing Codex Alimentarius MRLs)
Lowest plant commodity MRL	0.3 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.3 mg/kg (Apples, Pear) to 8 mg/kg (Cherries)
Lowest plant commodity MRL that is not the LOD	0.3 mg/kg
Most relevant reference point to minimise off-label use	0.1mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	43.74 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	24 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.1 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	28% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg represents a contribution of 16% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Novaluron because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

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Oxathiapiprolin

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following consideration:

Considerations	Comments
Limit of determination (LOD)	0.01 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg (Poppy seed, Potato) to 15 mg/kg (Cardoon, Leafy vegetables (except Lettuce, head))
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.02mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	41.65 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	<1% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	<1% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 5% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Oxathiapiprolin because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Phorate

Phorate was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI is >80% of the ADI.

Phosphine

Although an *All other foods except animal food commodities* MRL of 0.01 mg/kg could have been established for phosphine as the estimated dietary exposure meets the principle of contributing <20% of total estimated dietary exposure. All existing permissions and registered uses are established at the LOQ of 0.01 mg/kg. Therefore, there was no practical level that could be established that would minimise off-label use. Therefore no *All other foods except animal food commodities* MRL is proposed.

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Propargite

Propargite was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI is >80% of the ADI).

Propyzamide

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01–0.2 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is *0.01 mg/kg (Pulses) to 1 mg/kg (Lettuce, head; Lettuce, Leaf).
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.02 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	45.8 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	2% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	3% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 16% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Propyzamide because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Prothioconazole

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.02 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 (Rape seed [canola]) to 2 (Blueberries)
Lowest plant commodity MRL that is not the LOD	0.2 mg/kg

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Considerations	Comments
Most relevant reference point to minimise off-label use	0.02mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	43.10 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	7% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	8% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 11% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age not necessary Women of child-bearing age (16-44 years): worse case (Milk), 4% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Pyraflufen-ethyl

An *All other foods except animal food commodities* MRL for pyraflufen-ethyl could not be established as it could not be shown to be practical or adequately manage the risk of off-label use.

Pyridaben

Pyridaben was excluded from consideration of an *All other foods except animal food commodities* MRL because the NEDI was >80% of the ADI).

Pyrimethanil

An MRL of 0.1 mg/kg for all other foods except animal food commodities for pyrimethanil was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Rimsulfuron

An *All other foods except animal food commodities* MRL for rimsulfuron could not be established as even at the LOQ, the contribution of all other foods to dietary exposure is >50% of the ADI. Consequently, there was no MRL that was practical or could adequately manage off-label use.

Saflufenacil

An *All other foods except animal food commodities* MRL of 0.03 mg/kg is proposed based on the following considerations:

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Considerations	Comments
Limit of determination (LOD)	0.03 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.03 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.03 mg/kg (Cereal grains, Citrus fruits, Grapes, Legume vegetables, Oilseeds, Pome fruits, Stone fruits, Tree nuts) to 1 mg/kg (Barley)
Lowest plant commodity MRL that is not the LOD	0.7 mg/kg
Most relevant reference point to minimise off-label use	0.03 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	35.15 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	4% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.03mg/kg
NEDI including All other foods except animal food commodities and existing permissions	4% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.03 mg/kg represents a contribution of 5% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: worse case (Pineapple), 6% of the ARfD. Population aged 2 years and above: worse case (Milk), 2% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.03 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Sedaxane

An *All other foods except animal food commodities* MRL of 0.01 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg (Cereal grains, Poppy seed) to 0.02 mg/kg (Potato)
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.01 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	41.97 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	<1% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.01 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	<1% of the ADI

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Considerations	Comments
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg represents a contribution of 17% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: worse case (Pineapple), <1% of the ARfD Population aged 2 years and above: worse case (Milk), <1% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Sethoxydim (Clethodim)

An *All other foods except animal food commodities* MRL for Sethoxydim could not be established. There are a number of existing permissions and registered uses established at the LOQ of 0.1 mg/kg. Establishing an *All other foods except animal food commodities* MRL at this level may not exclude off-label use. Establishing an *All other foods except animal food commodities* MRL lower than the LOQ is not practical. Therefore no *All other foods except animal food commodities* MRL is proposed.

Spinetoram

An *All other foods except animal food commodities* MRL of 0.01 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01 mg/kg (indicated by * on existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is *0.01 mg/kg (coffee beans, cotton seed, pulses, rape seed (canola), sweet corn (corn-on-the-cob) to 22 mg/kg (hops, dry).
Lowest plant commodity MRL that is not the LOD	0.01 mg/kg
Most relevant reference point to minimise off-label use	0.01 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	32.1 (FSANZ has assumed that 10% of this consumption would be likely to contain residues).
Chronic dietary exposure (NEDI) considering existing permissions only	15% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.01 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	15% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg represents a contribution of 0% to total dietary exposure which is within the 20% target and is considered acceptable.

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Considerations	Comments
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for spinetoram because the OCS has not established an ARfD and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.01 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Tebuconazole

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.02 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 mg/kg (Almonds, Bulb vegetables [except garlic], Pome fruits) to 7 mg/kg (Dried grapes (currants, raisins and sultanas))
Lowest plant commodity MRL that is not the LOD	0.05 mg/kg
Most relevant reference point to minimise off-label use	0.05
Consumption amount (g/kg bw/day) used in NEDI calculation	34.63 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	11 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	12% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg could have been used, however, there are a number of permanent MRLs established at this level. Establishing an all other foods MRL at 0.1 mg/kg may encourage off label use. Proposed MRL of 0.05 mg/kg proposed to help minimise off label use, whilst still being practical. An MRL of 0.05 mg/kg represents a contribution of 5% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for tebuconazole because the Office of Chemical Safety considers an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

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Thiacloprid

An *All other foods except animal food commodities* MRL of 0.1 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05 mg/kg
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.1 mg/kg (Cotton seed, Spices) to 10 mg/kg (Tea, green, black (fermented and dried))
Lowest plant commodity MRL that is not the LOD	0.1 mg/kg
Most relevant reference point to minimise off-label use	0.1 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	43.7 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	17 % of the ADI
Proposed <i>All other foods except animal food commodities</i> MRL ²	0.1 mg/kg
NEDI including <i>All other foods except animal food commodities</i> and existing permissions	21% of the ADI
Percentage contribution of <i>All other foods except animal food commodities</i> to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg represents a contribution of 20% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: worse case (Pineapples), 35% of the ARfD. Population aged 2 years and above: worse case (Milk), 10% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.1 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Thiamethoxam

An *All other foods except animal food commodities* MRL of 0.02 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.01-0.02 mg/kg (indicated by * for existing MRLs)
Lowest plant commodity MRL	*0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is *0.01 mg/kg (Cereal grains [except maize; sorghum]; Rape seed (canola)) to 20 mg/kg (Tea, green, black).
Lowest plant commodity MRL that is not the LOD	0.07 mg/kg
Most relevant reference point to minimise off-label use	0.07 mg/kg
Consumption amount (g/kg bw/day) used in NEDI calculation	34.2 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)

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Considerations	Comments
Chronic dietary exposure (NEDI) considering existing permissions only	6% of the ADI
Proposed All other foods except animal food commodities MRL ²	0.02 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	6% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg represents a contribution of 1% to total dietary exposure which is within the 20% target and is considered acceptable.
Acute dietary exposure assessment (NESTI)	Children 2–6 years of age: all commodities <1% of the ARfD. Population aged 2 years and above: all commodities <1% of the ARfD.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.02 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Triadimenol

An MRL of 0.05 mg/kg for all other foods except animal food commodities for triadimenol was gazetted in 2017. This MRL was reviewed as part of M1014 and no change is proposed.

Trifloxystrobin

An *All other foods except animal food commodities* MRL of 0.05 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.05
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 [(Cotton seed, Rape seed (canola))] to 11 (Hops, dry).
Lowest plant commodity MRL that is not the LOD	0.04 mg/kg
Most relevant reference point to minimise off-label use	0.05
Consumption amount (g/kg bw/day) used in NEDI calculation	37.9 (FSANZ has assumed that 10% of this consumption would be likely to contain residues)
Chronic dietary exposure (NEDI) considering existing permissions only	23 % of the ADI
Proposed All other foods except animal food commodities MRL ²	0.05 mg/kg
NEDI including All other foods except animal food commodities and existing permissions	23% of the ADI
Percentage contribution of All other foods except animal food commodities to total chronic exposure	An <i>All other foods except animal food commodities</i> MRL of 0.05mg/kg represents a contribution of 2% to total dietary exposure which is within the 20% target and is considered acceptable.

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Considerations	Comments
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for Trifloxystrobin because the OCS and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in P1027, an <i>All other foods except animal food commodities</i> MRL of 0.05 mg/kg is acceptable because it has been shown to be practical, adequately manages the risk of off-label use and does not increase the level of concern about the risk to public health.

Reasons for not considering an *All other foods except animal food commodities* MRL

Agvet Chemical	Reason for exclusion
2,4-Dichlorophenoxyacetic acid (2,4-D)	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Acequinocyl	There is no registered use in Australia.
Aminocyclopyrachlor	Not listed in Schedule 20 and has no registered uses in Australia.
Benzovindiflupyr	Not listed in Schedule 20 and has no registered uses in Australia.
Buprofezin	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Carbendazim	Excluded from consideration as it is a schedule 7 only poison.
Chlorpyrifos-methyl	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Cyflumetofen	Not listed in Schedule 20 and has no registered uses in Australia.
Cyhalothrin	Excluded from consideration as it is a schedule 7 only poison.
Dichlorvos	It was not considered appropriate at this time to establish an <i>All other foods except animal food commodities</i> MRL based on the APVMA's proposed deletion or reduction of many permitted uses of this chemical in Australia.
Difenoconazole	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Etofenprox	Not listed in Schedule 20.
Ethoprophos	There are no registered uses and permissions are being deleted from Schedule 20.
Fenpropathrin	There is no registered use in Australia.
Fenpropimorph	There is no registered use in Australia.
Fosetyl-Aluminium	There is no registered use in Australia.
Hydrogen Cyanide	Not listed in Schedule 20 and has no registered uses in Australia
Malathion	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Mesotrione	There is no registered use in Australia.
Metaflumizone	There is no registered use in Australia.
Metconazole	There is no registered use in Australia.
Naled	The registered use in Australia is being removed.
Nicarbazin	Veterinary medicines excluded from consideration.
Phorate	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Phosphine	All current registered uses in Australia being removed and permissions in Schedule 20 being deleted.
Propargite	Chronic dietary exposure (NEDI) considering existing permissions only >80% of the ADI.
Pyraflufen-ethyl	MRL could not be established as it could not be shown to be practical or adequately manage the risk of off-label use.
Pyridaben	Chronic dietary exposure (NEDI) considering existing permissions

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Agvet Chemical	Reason for exclusion
	only >80% of the ADI.
Rimsulfuron	Contribution to total dietary exposure is >50% of the ADI. There was no suitable MRL that was practical or could adequately manage the risk of off-label use.
Sethoxydim (Clethodim)	MRL could not be established as it could not be shown to be practical or adequately manage the risk of off-label use.