

15 December 2023
275-23

Supporting document 1

Proposal M1021 – 2022 MRL Harmonisation Proposal

Risk assessment and proposed MRL changes

Executive summary

Proposal M1021 seeks to align maximum residue limits (MRLs) for agricultural and veterinary (agvet) chemicals listed in Schedule 20 of the Australia New Zealand Food Standards Code (the Code). Following a three month call for requests ending on 29 July 2022, FSANZ received requests from 18 industry stakeholders seeking MRL harmonisation to six trading partner MRLs. A request was also received from the Australian Pesticides and Veterinary Medicines Authority (APVMA) which included MRL reductions and deletions, as well as updates of temporary MRLs to permanent MRLs. FSANZ also considered Codex MRLs recommended by the 2022 Codex Committee on Pesticide Residues and adopted at the 2022 Codex Alimentarius Committee meeting. In total, FSANZ considered MRL changes for 127 agricultural and veterinary chemicals and 697 chemical-commodity pairs.

For requests to insert a new chemical not listed in the Code, FSANZ has updated the microbiological assessment process for MRL harmonisation requests. Microbiologically active chemicals are not considered appropriate for harmonisation if the class of antimicrobials are important to human medicine in Australia or the microbiological effects of consumption have not been considered in the development of health-based guidance values. Furthermore, as the M proposal process takes a light-touch approach compared to a typical assessment, specific criteria must be met for a new chemical to be accepted into the proposal. These criteria can include:

- health-based guidance values established by the APVMA, JMPR or JECFA;
- residue definitions established by a competent authority;
- the chemical has no evidence demonstrating hazards, including impact on the human gut microbiome or antimicrobial resistance.

In M1021, there were nine new chemical requests, of which four were accepted. The remaining five chemicals were deemed not suitable for the M proposal process and requestors have the option to submit an application or resubmit a harmonisation request should subsequent information become available to meet the required criteria. FSANZ has also applied the updated microbiological assessment approach to a previous request (M1018) to consider MRLs for flumequine, where FSANZ determined it was not appropriate to include in the MRL harmonisation process. No other antibiotics were considered in the proposal.

For requests to increase an existing or to insert a new MRL, FSANZ undertook a dietary exposure assessment using Australian food consumption data. This assessment uses

internationally accepted methodologies, has been included in the APVMA's risk assessment framework for approving and registering agricultural chemical products for use in Australia, and is the process used by both the APVMA and FSANZ for establishing and reviewing MRLs in Schedule 20 of the Code.

As part of the dietary exposure assessment, a determination of chronic (long-term/life-time) exposure to each chemical is assessed. A determination of acute (short-term) exposure is only performed when a health-based guidance value has been established for specific population sub-groups, such as children aged 2–6 years or women of childbearing age (16–44 years).

An additional assessment was conducted for those agvet chemicals being considered in M1021 to determine their suitability for the establishment of an *All other foods except animal food commodities* MRL. For agvet chemicals with an existing *All other foods except animal food commodities* MRL, the limit was reviewed. The assessment process for this MRL category followed the principles set out in Proposal P1027 – Managing Low-level Ag & Vet Chemicals without Maximum Residue Limits. The proposed MRLs for this category allow for low level inadvertent presence of chemical residues in food following legitimate use, but which are low enough to limit the potential for 'off-label' use.

The dietary exposure estimates for all chemicals with proposed MRLs in M1021 are below relevant health-based guidance values, indicating negligible health and safety concerns to Australian consumers. The proposed MRL changes, origin of requests, commodity descriptions, comparisons with Codex MRLs and the dietary exposure estimates for the Australian population are given in [Appendix 1](#) of this document. The summaries of existing or proposed *All other foods except animal food commodities* MRLs are set out in [Appendix 2](#).

Table of Contents

Executive summary	1
Glossary of terms	4
Introduction	5
Review of chemicals not yet listed in Schedule 20	5
A revisit to the M1018 request for flumequine	6
The dietary exposure assessment	7
CHRONIC DIETARY EXPOSURE ASSESSMENTS.....	7
ACUTE DIETARY EXPOSURE ASSESSMENTS	8
FOOD CONSUMPTION DATA USED IN THE DIETARY EXPOSURE ASSESSMENTS	8
Consideration of recently adopted Codex MRLs	9
All other foods except animal food commodities MRLs	10
Other proposed changes to MRL-related standards	11
Results of the dietary exposure assessments for requested MRL changes	25
Dietary exposure assessment summaries for the proposed <i>All other foods except animal food commodities</i> MRLs	46
LIST OF AGVET CHEMICALS REVIEWED OR CONSIDERED FOR AN <i>ALL OTHER FOODS EXCEPT ANIMAL FOOD COMMODITIES</i> MRL	47

Glossary of terms

ADI	acceptable daily intake
agvet	agricultural and veterinary chemical
AMR	antimicrobial resistance
APVMA	Australian Pesticides and Veterinary Medicines Authority
ARfD	acute reference dose
The Code	Australian New Zealand Food Standards Code
Codex	Codex Alimentarius Commission
DEA	dietary exposure assessment
HBGV	health-based guidance value
JECFA	Joint Food and Agriculture Organization / World Health Organization Expert Committee on Food Additives
JMPR	Joint Food and Agriculture Organization / World Health Organization Meeting on Pesticide Residues
MRL	maximum residue limit
NEDI	national estimated daily intake
NESTI	national estimated short-term intake
NNPAS	National Nutrition and Physical Activity Survey
STMR	supervised trials median residue

Introduction

FSANZ raised Proposal M1021 upon receiving requests from 18 industry stakeholders seeking harmonisation of Schedule 20 of the Australian New Zealand Food Standards Code (the Code) to a number of trading partner or Codex maximum residue limits (MRLs). These MRLs reflect legitimate international use of permitted agvet chemicals in the production of food commodities. A request was also received from the Australian Pesticides and Veterinary Medicines Authority (APVMA) which includes the proposed removal or reduction of certain MRLs that may affect food importers. FSANZ also considered Codex MRLs recommended by the 2022 Codex Committee on Pesticide Residues and adopted at the 2022 Codex Alimentarius Committee meeting. In total, FSANZ considered MRL changes for 127 agricultural and veterinary chemicals and 697 chemical-commodity pairs.

For each chemical considered in this proposal, either an assessment was conducted to establish an *All other foods except animal food commodities* MRL or an existing *All other foods except animal food commodities* MRLs was reviewed. Assessment and allocation of this MRL category followed the principles set out in [Proposal P1027 – Managing Low-level Aq & Vet Chemicals without Maximum Residue Limits](#)¹.

The methods used for the safety assessments are consistent with internationally accepted methodologies, the APVMA's risk assessment framework for approving and registering agricultural chemical products in Australia, and the process used by both the APVMA and FSANZ for establishing and reviewing MRLs in Schedule 20.

Consideration of chemicals not yet listed in Schedule 20

FSANZ considered MRL requests for MRL alignments for nine agvet chemicals not currently listed in Schedule 20. For these chemicals to be accepted into the MRL harmonisation proposal, they must have health-based guidance values (HBGVs) established by the APVMA, JMPR or JECFA as outlined in **Section 4.2.2** of the [Guide to submitting requests for maximum residue limit \(MRL\) harmonisation proposals](#)². Five chemicals did not meet this requirement and were excluded from further consideration ([Table 1](#)). Requestors seeking alignment of imported food MRLs for these chemicals have the option of a submission through the FSANZ application process or re-submitting through subsequent MRL harmonisation proposals if the appropriate HBGVs are established.

Table 1: Chemicals excluded from M1021

Agvet chemical
1,4-dimethylnaphthalene
Fluindapyr
Indaziflam
Lubabegron
Sulfentrazone

1. P1027 - www.foodstandards.gov.au/food-standards-code/proposals/P1027. Accessed 11 December 2023.

2. Guide to submitting requests for MRL Proposals: www.foodstandards.gov.au/publications/Guide-for-Submitting-Requests-for-MRL-Proposals. Accessed 11 December 2023.

The remaining four chemicals (see [Table 2](#) below) progressed to the next stage of consideration. The APVMA confirmed these four chemicals are not currently registered or have approved uses in Australia and are therefore not part of their [chemical review program](#)³. Both the toxicology and microbiology reviews identified JMPR as a competent authority that has considered these chemicals. The toxicology review also confirmed that JMPR have established toxicology-associated HBGVs and suitable residue definitions that meet FSANZ requirements. No further evidence of hazards were identified.

FSANZ has recently updated the microbiological assessment process for harmonisation requests. Microbiologically active chemicals are not considered appropriate for harmonisation if they are antimicrobials of importance in Australia or the microbiological effects of consumption have not been considered in the development of HBGVs.

A microbiological assessment confirmed that the chemicals are not currently listed as high or medium importance to human health. No microbiological HBGVs have been set for these chemicals following JMPR assessment, although they were considered. No data for antimicrobial activity or impact on the human gut microbiome was identified by JMPR. Similarly, FSANZ did not identify evidence of more conservative HBGVs that have considered microbiological effects or further evidence of the need for microbiological HBGVs in the literature.

Therefore, as a competent authority has considered both toxicological and microbiological effects in setting the HBGVs, no evidence was found to refute the need for microbiological HBGVs. The proposed toxicological HBGVs could be accepted as sufficient to mitigate risk based on the currently available scientific knowledge. The consideration for MRL harmonisation associated with the four chemicals listed in [Table 2](#) proceeded to the dietary exposure assessment (DEA) stage.

Table 2: Chemicals progressed to the DEA stage of the assessment

Agvet chemical
Flutianil
Isoprothiolane
Pyraziflumid
Spirobidion

A revisit to the M1018 request for flumequine

FSANZ received a harmonisation request in the 2020 MRL Harmonisation Proposal M1018, seeking an alignment with a Taiwanese MRL for the veterinary chemical flumequine in freshwater fish (perch and tilapia). At this time, flumequine was not registered for use as an agvet chemical in Australia and was not listed in Schedule 20. At the approval stage of the Proposal, the FSANZ Board raised concerns regarding antimicrobial resistance (AMR). Flumequine was removed from the M1018 Proposal to allow FSANZ to undertake further consideration before a decision could be made. FSANZ have since updated the microbiological assessment process to identify chemicals that need to be considered in a broader One Health context regarding risks of AMR.

FSANZ applied the updated microbiological assessment process to flumequine as part of the M1021 assessment process. Flumequine is a member of the class of quinolone antibiotics.

3. The APVMA Chemical Review program <https://apvma.gov.au/node/10916>. Accessed 1 February 2023.

Quinolones are considered to be of high importance for use in human health in Australia⁴, and of the highest priority in the World Health Organization list of [Critically important antimicrobials for human medicine](#)⁵. All quinolones used in Australia are essential antibacterials for the treatment or prevention of infections in humans, where there are few or no treatment alternatives. As such, FSANZ determined that this request would need to be considered in the broader Australian One Health context and is not an appropriate request to be considered in the MRL harmonisation proposal process. A recommendation will be made to the requestor to submit a full application to FSANZ, where a more thorough assessment can be undertaken.

No other antibiotics were considered in the proposal.

The dietary exposure assessments

Chronic dietary exposure assessments

The national estimated daily intake (NEDI) represents an estimate of chronic dietary exposure expressed on an exposure per day basis. In chronic DEAs, the chemical residues in all the food commodities that could result from the permitted use of the agricultural chemicals are considered. Chemical residue data from supervised trials, 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. The estimated mean dietary exposure is divided by the mean body weight for the population to provide the amount of chemical consumed per day per kg of body weight for the Australian population. This result is then compared to the acceptable daily intake (ADI) established for the chemical.

The NEDI calculation may incorporate more specific data as appropriate. 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. Chemical concentration data from monitoring and surveillance activities or the Australian Total Diet Studies may also be used if necessary.

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

- the agricultural chemical will be used on all 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, and
- the entire crop and food supply contains residues equivalent to the MRL.

4. Importance ratings and summary of antibacterial uses in human and animal health in Australia, June 2018, Office of Health Protection, Australian Government Department of Health, Canberra. www.amr.gov.au/resources/importance-ratings-and-summary-antibacterial-uses-human-and-animal-health-australia. Accessed 1 February 2023.

5. Critically important antimicrobials for human medicine, 6th revision 2018, World Health Organization, Geneva; www.who.int/publications/i/item/9789241515528. Accessed 1 February 2023.

In reality, only a portion of a specific crop is treated with the chemical and most treated crops at harvest contain residues well below the MRL. 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 throughout the lifetime of consumers that eat 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 that could further refine the dietary exposure estimates.

The NEDI presented as a percent of the ADI in [Appendix 1](#) includes all foods with existing MRLs, the foods requested in this proposal and *All other foods except animal food commodities* where an MRL has been proposed.

Acute dietary exposure assessments

The national estimated short-term intake (NESTI) is used to estimate acute (short-term) dietary exposure. Acute DEAs are undertaken where the APVMA has set an acute reference dose (ARfD) for a chemical or advised it is appropriate to use a JMPR ARfD. The established ARfD is used for NESTI assessments for the population aged 2 years and above and children 2-6 years. An acute DEA is only undertaken for women of childbearing age (16-44 years) where a specific ARfD for this group is established.

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 for consumers only instead of the mean for all survey respondents. 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 account for variations in residues between individual pieces of a commodity) where appropriate.

The equations for calculating the NESTI 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. Unlike the NEDI, the calculations are done for each commodity individually; there is no summing of exposures across foods. Where a NESTI calculation is undertaken for a specific population sub-group (e.g. children or women of child-bearing age) food consumption data for that particular sub-group is used.

Food consumption data used in the dietary exposure assessments

NEDI calculation

Mean food consumption data derived from all respondents (eaters and non-eaters of the foods containing the chemical residue) were used for NEDI calculations. The consumption amounts were derived from respondents (n=7,735) who had two days of 24-hour recall data from the 2011–12 National Nutrition and Physical Activity Survey (NNPAS), which was a component of the 2011–13 Australian Health Survey. The two days of data were averaged for each respondent. The results from this subset of NNPAS respondents were weighted using a specific set of sample weights to ensure the consumption data were representative of the Australian population. Mean consumption data are generally reported in grams/kg bw/day for the whole population aged 2 years and above, where each individual's consumption of a commodity is divided by their own body weight before the summary population statistics are derived.

If no consumption was recorded for a food commodity in the nutrition survey, a default value of 0.0001 g/kg bw/day 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 calculation

NESTI calculations use food consumption data at the 97.5th percentile only for consumers of the food of interest, based on a single day using 24-hour recall data from the 2011-12 NNPAS.

Similar to the data set used for the NEDI, consumption data were also 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 was treated as a separate respondent, giving a larger number of total respondents (n=15470) with a single day of food recall data. 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'. For the calculations used by FSANZ, consumption from a 24-hour period is used.

ARfDs for chemicals may be set for specific population sub-groups where necessary. Therefore, large portion food consumption data were derived for three population sub-groups: the entire population aged two years and above; children aged 2–6 years; and women of childbearing age (16–44 years).

Consideration of recently adopted Codex MRLs

Over the past decade, FSANZ has been incorporating Codex MRLs into Schedule 20 and will continue to do so where appropriate. It must be recognised that not every Codex MRL is required to be included in Schedule 20, as equivalent or higher MRLs may already exist, including an *All other foods except animal food commodities* MRL.

For M1021, the new MRLs adopted from the 2022 Codex Committee on Pesticide Residues (CCPR) were considered for inclusion in the harmonisation proposal. Before accepting the Codex MRLs for consideration, a screening process was applied. Initially, this process aims to exclude those commodities that do not apply to Schedule 20. For example, as Schedule 20 MRLs only apply to food commodities for human consumption, FSANZ excludes the Codex animal feed MRLs. If an *All other foods except animal food commodities* MRL is being proposed in M1021, FSANZ may also exclude new Codex MRLs established at or around the limit of detection (i.e. as indicated by an * in the Codex MRL Standard).

There are specific criteria FSANZ requires in order to progress a new Codex MRL to be considered for inclusion in the harmonisation proposal. The criteria includes that the MRL is:

- higher than the relevant existing Schedule 20 MRL,
- higher than a harmonisation request to align with another trading partner MRL,
- higher than an existing *All other foods except animal food commodities* MRL,
- at the same limit as a temporary ('T') status MRL for the same commodity/group,
- supported by the APVMA, and
- supported by acceptable DEA results.

Where a Codex deletion would remove MRLs for a domestically approved use pattern for a registered chemical, FSANZ would not proceed with the deletion unless it was supported and agreed to by the APVMA. Similarly, if a food commodity MRL proposed to be deleted by Codex is an existing Schedule 20 MRL as a result of a prior harmonisation proposal request from a third party, and that MRL is still applicable, no action will be taken to remove the MRL from the Code.

Not all recently adopted Codex MRLs progressed to the stage of dietary exposure estimates during the risk assessment process for M1021. Codex MRLs determined suitable for inclusion proceeded through the same DEA process as for all other requests.

All other foods except animal food commodities MRLs

All agvet chemicals that require a DEA were considered for suitability for setting an *All other foods except animal food commodities* MRL (see [Appendix 2](#)), using the principles established in P1027. Both chronic and, where appropriate, acute dietary exposures were considered. The proposed MRLs are high enough to allow for inadvertent presence of the chemical in food from legitimate use 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.

In P1027, FSANZ indicated that chemicals would be assessed for an *All other foods except animal food commodities* MRL as part of ongoing amendments to Schedule 20 of the Code undertaken by the APVMA based on chemical registration applications, any reviews the APVMA undertakes and FSANZ's annual MRL harmonisation process. In addition to considering agvet chemicals requested in the harmonisation proposal where an *All other foods except animal food commodities* MRL has not been established, FSANZ is progressing this consideration for all remaining chemicals listed in Schedule 20 to the extent possible. Resources do not allow all of them to be considered all at once.

Agvet chemicals that are not considered for setting *All other foods except animal food commodities* MRLs are the following:

- the agvet chemical is not currently listed in Schedule 20,
- the active constituent (agvet chemical) is not registered for use in Australia,
- the active constituent is listed only in Schedule 7 of the Poisons Standard of the Therapeutic Goods Administration,
- the agvet chemical is primarily used as a veterinary medicine,
- the agvet chemical has an Extraneous Residue Limit listed in Schedule 21,
- the agvet chemical is currently nominated by the APVMA for formal review,
- based on current MRL permissions, the most recent FSANZ/APVMA NEDI (i.e. chronic dietary exposure estimate), from residues of the agvet chemical exceeded 80% of the ADI,
- the contribution from the commodities included to estimate the total chronic dietary exposure exceeds 20% of the total dietary exposure, and
- acute dietary exposure estimate exceeded the ARfD, using a 'worst case' commodity consumption amount and the proposed MRL for *All other foods except animal food commodities*.

Other proposed changes to MRL-related standards

During the harmonisation process, FSANZ can take the opportunity to correct inadvertent errors identified in the standards associated with agvet chemicals. In regards to Schedule 20, there can be several compilations of the schedule prepared by the APVMA during the time period of a typical M proposal. While the two agencies work collaboratively, typographical, formatting and transcription errors can arise. Stakeholder feedback also identified some inadvertent errors in the consequential amendments to Schedule 20, undertaken as part of Proposal M1019 to update Schedule 22 – Foods and classes of foods. The proposed variations to correct these changes are presented in [Table 3](#).

Stakeholder feedback was also received for the updated Schedule 22. To address this feedback, FSANZ is proposing some refinements to some of the plant commodity subgroup and food commodity names, as well as correcting formatting and typographical errors. The proposed variations for the Schedule 22 changes are presented in [Table 4](#).

The presentation of the information in [Table 3](#) and [Table 4](#) is to ensure transparency for stakeholders who may be impacted by the proposed changes.

Table 3: Proposed variations to Schedule 20 to enact corrections

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Abamectin				
Citrus fruits	0.02	0.02	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Persimmon, Japanese	0.01	0.01	Maintain	While this commodity was not specifically listed in Schedule 20, a domestic MRL established by the APVMA existed for <i>persimmon, Japanese</i> and was captured by the entry for <i>Pome fruits</i> . FSANZ amended the MRL for <i>Pome fruits</i> to align with an international MRL at a higher level but the international MRL did not cover persimmon and the entry was modified to <i>Pome fruits [except persimmon, Japanese]</i> . Inserting this entry at the domestic MRL will re-establish the permission for the sale of <i>persimmon, Japanese</i> that is produced in Australia.
Stone fruits	0.09	0.09	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Acequinocyl				
Stone fruits	0.7	0.7	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Aclonifen				
Poultry, edible offal of	*0.01	*0.01	Maintain	Correcting alphabetical placement in listing
Altrenogest				
Pig, edible offal of	0.005	0.005	Maintain	Correcting alphabetical placement in listing
Ametoctradin				
Bulb onions (subgroup) [except garlic; onion, bulb; shallot]	0.7	0.7	Maintain	Correcting typographical errors and adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Aminoethoxyvinylglycine				
Stone fruits [except cherries (subgroup)]	0.2	0.2	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Amitrole				
Citrus fruits	*0.01	*0.01	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.01	*0.01	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	*0.02	*0.02	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Azoxystrobin				
Citrus fruits	10	10	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Bifenthrin				
Herbs	T0.5	T0.5	Maintain	Removing exception for <i>hops, dry</i>
Peppers, chili, dried	5	5	Maintain	Correcting commodity name in line with the updated Schedule 22
Stone fruits [except cherries (subgroup)]	1	1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Bixafen				
Eggs	*0.02	*0.02	Maintain	Correcting alphabetical placement in listing

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Oilseeds [except cotton seed]	*0.01	*0.01	Maintain	Correcting alphabetical placement in listing and typographical error. Note due to an alignment with a new Codex amendment, the final entry in Schedule 20 for this commodity group will be <i>Oilseeds [except cotton seed; sunflower seed]</i>
Boscalid				
Bulb vegetables [except chives; onion, bulb]	5	5	Maintain	Correcting list of exceptions
Edible fungi	1	1	Maintain	Correcting alphabetical placement in listing
Edible offal (mammalian)	0.3	0.3	Maintain	Correcting alphabetical placement in listing
Peaches (subgroup)	4	4	Maintain	Removing text <i>including nectarines and Apricots</i> and adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Peppers, chili, dried	10	10	Maintain	Correcting commodity name in line with updated Schedule 22
Pulses [except chick-pea (dry); lentil (dry); lupin (dry); soya bean (dry)]	2.5	2.5	Maintain	Correcting list of exceptions
Buprofezin				
Citrus fruits	2	2	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Cadusafos				
Citrus fruits	*0.01	*0.01	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Captan				
Stone fruits	15	15	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Carbaryl				
Cacao bean	0.02	0.02	Maintain	Correcting alphabetical placement in listing and typographical error
Stone fruits [except cherries (subgroup)]	0.5	0.5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Chlorantraniliprole				
Citrus fruits	1.4	1.4	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Edible Fungi	0.6	0.6	Maintain	Correcting a typographical error
Persimmon, Japanese	0.3	0.3	Maintain	While this commodity was not specifically listed in Schedule 20, a domestic MRL established by the APVMA existed for <i>persimmon, Japanese</i> and was captured by the entry for <i>Pome fruits</i> . FSANZ amended the MRL for <i>Pome fruits</i> to align with an international MRL at a higher level but the international MRL did not cover persimmon and the entry was modified to <i>Pome fruits [except persimmon, Japanese]</i> . Inserting this entry at the domestic MRL will re-establish the permission for sale of <i>persimmon, Japanese</i> that is produced in Australia.
Stone fruits [except cherries (subgroup); plums]	4	4	Maintain	Removing the exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Chlorothalonil				
Leafy vegetables [except broccoli, Chinese (Gai lan); lettuce, head; lettuce, leaves; witloof chicory]	T100	T100	Maintain	Correcting list of exceptions
Chlorpyrifos				
Citrus fruits	1	1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Stone fruits [except cherries (subgroup)]	T1	T1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Clofentezine				
Jujube, Chinese	0.1	0.1	Maintain	While this commodity was not specifically listed in Schedule 20, a domestic MRL established by the APVMA existed for <i>jujube, Chinese</i> and was captured by the entry for <i>Stone fruits</i> . FSANZ amended the MRL for <i>Stone fruits</i> to align with an international MRL at a higher level but this international MRL did not cover <i>jujube, Chinese</i> thus an exception for this commodity was established for the <i>Stone fruits</i> entry. Inserting this entry at the domestic MRL will re-establish the permission for sale of <i>jujube, Chinese</i> that is produced in Australia.
Pome fruits	0.1	0.1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Clothianidin				
Citrus fruits	0.5	0.5	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Cyantraniliprole				
Citrus fruits	0.7	0.7	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Cyclaniliprole				
Pome fruit [except persimmon, Japanese]	0.3	0.3	Maintain	Correcting typographical error
Cyflumetofen				
Citrus fruits	0.3	0.3	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Cyhalothrin				
Citrus fruits	*0.01	*0.01	Maintain	Removing exception for <i>kumquats</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier. Note due to an alignment with a new Codex amendment, the final entry in Schedule 20 for this commodity group will be <i>Citrus fruits [except lemon and lime (subgroup)]</i>
Cypermethrin				
Persimmon, American	T0.2	T0.2	Maintain	Correcting alphabetical placement in listing
Persimmon, Japanese	T0.2	T0.2	Maintain	Correcting alphabetical placement in listing
Cyprodinil				
Broad bean (dry)	T0.2	None	Delete	Being replaced with a new Codex alignment for <i>Dry beans (subgroup)</i> at 0.2 mg/kg
Bulb vegetables [except chives; onion, bulb]	3	3	Maintain	Correcting typographical error

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Chick-pea (dry)	T0.2	None	Delete	Being replaced with a new Codex alignment for <i>Dry beans</i> (subgroup) at 0.2 mg/kg
Stone fruits	2	2	Maintain	When FSANZ amended the MRL for <i>Stone fruits</i> to align with an international MRL at a higher level, an exception for <i>jujube, Chinese</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>jujube, Chinese</i> imported into Australia.
Cyromazine				
Eggs	0.2	0.2	Maintain	Correcting alphabetical placement in listing
Legume vegetables	T1	T1	Maintain	Correcting alphabetical placement in listing
Lettuce, head	T8	T8	Maintain	Correcting alphabetical placement in listing
2,4-D				
Citrus fruits	5	5	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Diazinon				
Citrus fruits	0.7	0.7	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Vegetable oils, crude [except olive oil, crude]	0.1	0.1	Maintain	Correcting commodity name in the exceptions
Dichlobenil				
Citrus fruits	0.1	0.1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	0.1	0.1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	0.1	0.1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Difenoconazole				
Cereal grains [except rice]	*0.01	*0.01	Maintain	Deleting a second entry for <i>Cereal grains</i>
Poultry, edible offal of	*0.05	*0.05	Maintain	Correcting alphabetical placement in listing
Dimethomorph				
Brassica vegetables (except Brassica leafy vegetables) [except Chinese cabbage (Pe-tsai)]	6	6	Maintain	Correcting typographical error
Green onions [except chives; spring onion]	2	2	Maintain	Correcting list of exceptions
Dithiocarbamates				
Citrus fruits	T7	T7	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Peppers, chili, dried	20	20	Maintain	Correcting commodity name in line with updated Schedule 22
Poultry, edible offal of	*0.5	*0.5	Maintain	Correcting alphabetical placement in listing
2,2-DPA				
Citrus fruits	*0.1	*0.1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.1	*0.1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Ethephon				
All other foods except animal food commodities	0.01	0.1	Increase	The <i>All other foods</i> MRL was incorrectly entered into Schedule 20 at 0.01 mg/kg
Etofenprox				
Stone fruits [except cherries (subgroup)]	5	5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Etoxazole				
Citrus fruits	0.5	0.5	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	0.2	0.2	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits [except cherries (subgroup)]	0.3	0.3	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Fenbutatin oxide				
Citrus fruits	5	5	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Fipronil				
Citrus fruits	T*0.01	T*0.01	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Sentul	*T0.01	T*0.01	Maintain	Correcting typographical error
Stone fruits	0.01	0.01	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Florylpicoxamid				
Poultry, edible offal of	*0.01	*0.01	Maintain	Correcting alphabetical placement in listing
Fluazifop-p-butyl				
Citrus fruits	*0.02	*0.02	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.01	*0.01	Maintain	Removing exception for <i>persimmon, Japanese</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier.
Stone fruits	0.05	0.05	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Fluazinam				
Pome fruits	*0.01	*0.01	Maintain	Removing exception for <i>persimmon, Japanese</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier.
Fludioxonil				
Bulb onions (subgroup)	0.5	0.5	Maintain	Correcting commodity group name in line with updated Schedule 22 and adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Bulb vegetables [except chives; bulb onions (subgroup)]	3	3	Maintain	Correcting commodity name in the exceptions
Citrus fruits	10	10	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	5	5	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Poultry, edible offal of	0.1	0.1	Maintain	Correcting alphabetical placement in listing

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Stone fruits [except apricot; peach]	5	5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Flumioxazin				
Citrus fruits	*0.05	*0.05	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.02	*0.02	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Fluopyram				
Stone fruits [except cherries (subgroup)]	2	2	Maintain	A qualifier subgroup has been added to <i>cherries</i> , to provide clarity to stakeholders on which level of the commodity class the MRL applies
Flupyradifurone				
Poultry, edible offal of	*0.01	*0.01	Maintain	Correcting alphabetical placement in listing
Fluroxypyr				
Cereal grains	0.2	0.2	Maintain	Removing exception for <i>rice bran, unprocessed</i>
Fluxapyroxad				
Brussels Sprouts; Head Cabbages	4	Omit	Deletion	Removing entry listing 2 commodities on the same line
Brussels sprouts	None	4	New	Substituting individual commodity
Cabbages, head	None	4	New	Substituting individual commodity
Pummelos and grapefruits	0.6	0.6	Maintain	Correcting commodity name in line with updated Schedule 22
Pulses [except soya bean (dry)]	0.4	0.4	Maintain	Correcting alphabetical placement in listing
Glufosinate and Glufosinate-ammonium				
Citrus fruits	0.1	0.1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.1	*0.1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Glyphosate				
Citrus fruits	0.5	0.5	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Haloxypop				
Citrus fruits	*0.05	*0.05	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Stone fruits	*0.05	*0.05	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Imazalil				
Citrus fruits	10	15	Increase	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern. Note due to an alignment with a new Codex amendment, the final entry in Schedule 20 for this commodity group will be <i>Citrus fruits [except mandarins (subgroup); pummelos and grapefruit]</i> , with an increased MRL
Poultry, edible offal of [except chicken edible offal]	*0.02	*0.02	Maintain	Inserting exception for <i>chicken, edible offal of</i>

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Poultry meat [except chicken meat]	*0.02	*0.02	Maintain	Inserting exception for <i>chicken meat</i>
Imazamox				
Poultry, edible offal of	*0.01	*0.01	Maintain	Correcting alphabetical placement in listing
Imidacloprid				
Citrus fruits	2	2	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Peppers, chili, dried	10	10	Maintain	Correcting commodity name in line with updated Schedule 22
Spices [except galangal; ginger root; peppers, chili, dried]	0.05	0.05	Maintain	Correcting typographical error
Stone fruits [except cherries (subgroup)]	0.5	0.5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Indoxacarb				
Stone fruits [except cherries (subgroup)]	2	2	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Isofetamid				
Poultry, edible offal of	*0.02	*0.02	Maintain	Correcting alphabetical placement in listing
Maldison				
Brassica vegetables (except Brassica leafy vegetables) [except cauliflower; kohlrabi]	2	2	Maintain	Correcting typographical error
Citrus fruits	4	4	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Dry beans (subgroup)	8	8	Maintain	Adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Pulses [except dry beans; lentils (dry)]	2	2	Maintain	Correcting commodity name in the exception list
Mandestrobin				
Beans (except broad bean and soya bean)	0.7	0.7	Maintain	Correcting commodity name in line with updated Schedule 22
Stone fruits	3	3	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Metalaxyl				
Herbs [except basil; basil, dry; parsley]	3	3	Maintain	Removing exception for <i>hops, dry</i> and adding an exception for parsley
Methiocarb				
Citrus fruits	0.1	0.1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Methomyl				
Citrus fruits	1	1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Milbemectin				
Pome fruits	0.03	0.03	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Stone fruits	0.1	0.1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Myclobutanil				
Peppers, chili, dried	20	20	Maintain	Correcting commodity name in line with updated Schedule 22
Napropamide				
Stone fruits	*0.1	*0.1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Norflurazon				
Pome fruits	*0.2	*0.2	Maintain	Removing exception for <i>persimmon, Japanese</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier.
Stone fruits	*0.2	*0.2	Maintain	Removing the exception for <i>jujube, Chinese</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier.
Oxathiapiprolin				
Sweet corns (subgroup)	0.5	0.5	Maintain	Correcting commodity name in line with updated Schedule 22 and adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Oxyfluorfen				
Pome fruits	0.05	0.05	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	0.05	0.05	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Paclobutrazol				
Stone fruits	*0.01	*0.01	Maintain	Removing exception for <i>jujube, Chinese</i> because residues are not permitted in foods captured by this commodity group, as indicated by the * MRL qualifier.
Penconazole				
Pome fruits	0.1	0.1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Pendimethalin				
Citrus fruits	*0.05	*0.05	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.05	*0.05	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits [except cherries (subgroup)]	*0.05	*0.05	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern. Also adding the qualifier <i>subgroup</i> to <i>cherries</i> provide clarity on which level of the commodity class the MRL applies.
Penthiopyrad				
Pome fruits	0.5	0.5	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	5	5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Permethrin				
Brassica vegetables (except Brassica leafy vegetables) [except Brussels sprouts; Chinese cabbage (Pe-tsai)]	1	1	Maintain	Correcting typographical error
Cereal grains [except sweet corn (corn-on-the-cob)]	2	2	Maintain	Correcting commodity name in the exception list

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
2-Phenylphenol				
Citrus fruits	10	10	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Phosphorous acid				
Citrus fruits	100	100	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Propachlor				
Leafy vegetables [except broccoli, Chinese (Gai lan); lettuce, head; lettuce, leaf; witloof chicory]	T1	T1	Maintain	Correcting alphabetical order of commodities in the exception list
Propargite				
Stone fruits	3	3	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Propiconazole				
Citrus fruits	10	10	Maintain	When FSANZ amended the MRL for <i>Citrus fruits</i> to align with an international MRL at a higher level, an exception for <i>kumquats</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>kumquats</i> imported into Australia.
Proquinazid				
Pome fruits	0.3	0.3	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Prothioconazole				
Pulses [except soya bean (dry)]	T0.7	T0.7	Maintain	Inserting exception for <i>soya bean (dry)</i>
Pydiflumetofen				
Cereal grains [except maize cereals; sweet corns (subgroup)]	T3	T3	Maintain	Correcting typographical errors and adding the qualifier <i>subgroup</i> to <i>sweet corns</i> to provide clarity on which level of the commodity class the MRL applies
Chinese cabbage (Pe-tsai)	T30	T30	Maintain	Correcting alphabetical placement in listing
Stalk and stem vegetables - Stems and Petioles	15	15	Maintain	Correcting commodity name, by adding the text <i>petioles</i>
Pymetrozine				
Stone fruits	*0.05	*0.05	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Pyridaben				
Stone fruits	0.5	0.5	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Pyrimethanil				
Citrus fruits [except lemon]	10	10	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pyriproxyfen				
Citrus fruits	0.5	0.5	Maintain	When FSANZ amended the MRL for <i>Citrus fruits</i> to align with an international MRL at a higher level, an exception for <i>kumquats</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>kumquats</i> imported into Australia.

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Pyoxasulfone				
Pulses [except soya bean (dry)]	*0.01	*0.01	Maintain	Inserting exception for <i>soya bean (dry)</i>
Saflufenacil				
Citrus fruits	*0.03	*0.03	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	*0.03	*0.03	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Sethoxydim				
Dry beans (subgroup) [except lupin (dry); soya bean (dry)]	25	25	Maintain	Inserting exceptions for <i>lupin (dry)</i> and <i>soya bean (dry)</i> and adding the qualifier <i>subgroup</i> to provide clarity on which level of the commodity class the MRL applies
Pulses [except dry beans (subgroup)]	*0.1	*0.1	Maintain	Updating exception list in line with <i>dry bean</i> change stated above
Spinosad				
Citrus fruits	0.3	0.3	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Pome fruits	0.5	0.5	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	1	1	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Spirotetramat				
Brassica leafy vegetables [except Broccoli, Chinese (Gai lan)]	10	10	Maintain	Inserting exceptions for <i>broccoli, Chinese (Gai lan)</i>
Citrus fruits	1	1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Leafy vegetables [except brassica leafy vegetables; lettuce, head; lettuce, leaf; witloof chicory]	5	5	Maintain	Updating exception list in line with <i>brassica leafy vegetable</i> change stated above
Pome fruits	0.5	0.5	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	4.5	4.5	Maintain	When FSANZ amended the MRL for <i>Stone fruits</i> to align with an international MRL at a higher level, an exception for <i>jujube, Chinese</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>jujube, Chinese</i> imported into Australia.
Sulfoxaflor				
Stone fruits [except cherries (subgroup)]	1	1	Maintain	Also adding the qualifier <i>subgroup</i> to <i>cherries</i> to provide clarity on which level of the commodity class the MRL applies.
Tebuconazole				
Citrus fruits [except mandarins (subgroup); oranges, sweet, sour]	0.2	0.2	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern. Also adding the qualifier <i>subgroup</i> to <i>mandarins</i> to provide clarity on which level of the commodity class the MRL applies.
Pome fruits [except pear]	*0.01	*0.01	Maintain	Removing exception for <i>persimmon, Japanese</i> because residues are unlikely to be present in foods captured by this commodity group, as indicated by the * MRL qualifier.

Chemical and commodity	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Reason for inclusion in M1021
Stone fruits [except cherries (subgroup)]	1	1	Maintain	When FSANZ amended the MRL for <i>Stone fruits</i> to align with an international MRL at a higher level, an exception for <i>jujube, Chinese</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>jujube, Chinese</i> imported into Australia. Also adding the qualifier <i>subgroup</i> to <i>cherries</i> to provide clarity on which level of the commodity class the MRL applies.
Tebufenozide				
Citrus fruits	1	1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Thiabendazole				
Citrus fruits	10	10	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Thiacloprid				
Pome fruits	1	1	Maintain	Removing exception for <i>persimmon, Japanese</i> to align with APVMA approved use pattern
Stone fruits	2	2	Maintain	Removing exception for <i>jujube, Chinese</i> to align with APVMA approved use pattern
Thiamethoxam				
Citrus fruits	1	1	Maintain	Removing exception for <i>kumquats</i> to align with APVMA approved use pattern
Stone fruits	0.5	0.5	Maintain	When FSANZ added the MRL for <i>Stone fruits</i> to align with an international MRL, an exception for <i>jujube, Chinese</i> was mistakenly added. Removing the exception will re-establish the permission for sale of <i>jujube, Chinese</i> imported into Australia.
Tiafenacil				
Poultry, edible offal of	*0.02	*0.02	Maintain	Correcting alphabetical placement in listing
Trichlorfon				
Cereal grains [except sweet corn (corn-on-the-cob)]	0.1	0.1	Maintain	Correcting typographical error
Fruit [except as otherwise listed under this chemical]	T0.1	T0.1	Maintain	Simplifying the exception list
Vegetables [except as otherwise listed under this chemical]	0.1	0.1	Maintain	Simplifying the exception list
Trifloxystrobin				
Beans (except broad bean and soya bean)	0.06	0.06	Maintain	Correcting commodity name in line with updated Schedule 22
Trifluralin				
Poultry, edible offal of	*0.05	*0.05	Maintain	Correcting alphabetical placement in listing

Table 4: Proposed variations to Schedule 22 to enact corrections

Pre-M1021 subgroup and/or commodity text	Post-M1021 subgroup and/or commodity text	Type of proposed amendment	Description of proposed amendment
Pummelos and Grapefruits	Pummelos and Grapefruits	Typographical	Correcting typographical error
Tangelo	Tangelo, large size cultivars	Commodity refinement	Differentiation for cultivar size provided for the commodity <i>Tangelos</i> in the Pummelos and Grapefruits subgroup
Clementine; Mandarins; Tangors	Clementine; Mandarin; Tangelo, small and medium size cultivars; Tangors	Typographical; Subgroup commodity refinement (insertion and qualification)	The pluralisation of the commodity <i>Mandarins</i> has been removed to allow the individual commodity to be distinguished from the subgroup name. The commodity <i>Tangelo</i> with a cultivar size qualifier has been added to the subgroup.
Elephant fruit apple	Elephant apple	Typographical	The name of the commodity has been corrected to remove the text <i>fruit</i> .
Subgroup: Brassica Leafy Vegetables Commodities: Broccoli, Chinese (Gai lan); Chinese cabbage (Pak-choi); Choisum (Flowering white cabbage); Cress, garden; Indian mustard (Mustard greens); Japanese greens; Kale; Komatsuma; Mizuna; Rape greens; Rucola (Rocket); Turnip greens; Wasabi (Commodities)	Subgroup: Brassica Leafy Vegetables Commodities: Broccoli, Chinese (Gai lan); Chinese cabbage (Pak-choi); Choisum (Flowering white cabbage); Cress, garden; Indian mustard (Mustard greens); Japanese greens; Kale; Komatsuma; Mizuna; Radish leaves; Rape greens; Rucola (Rocket); Turnip greens; Wasabi	Subgroup commodity refinement (insertion)	The commodity <i>Radish leaves</i> has been added to the list of commodities
Subgroup: Leaves of root and tuber vegetables Commodities: Arrowroot leaves; Beetroot leaves; Radish leaves (including radish tops); Sweet potato leaves	Subgroup: Leaves of root and tuber vegetables Commodities: Arrowroot leaves; Beetroot leaves; Radish leaves (including radish tops); Sweet potato leaves	Subgroup commodity refinement (omission)	The commodity <i>Radish leaves (including radish tops)</i> has been removed from the subgroup
Subgroup: Dry Beans Commodities: Adzuki bean (dry); Broad bean (dry); Common bean (dry)*; Cowpea (dry); Guar bean (dry); Hyacinth bean (dry); Lima bean (dry); Lupin (dry); Mung bean (dry); Soya bean (dry) *Common bean (dry) includes Dwarf bean (dry); Field bean (dry); Flageolet (dry); Kidney bean (dry); Navy bean (dry)	Subgroup: Dry Beans Commodities: Adzuki bean (dry); Beans (dry); Broad bean (dry); Common bean (dry)*; Cowpea (dry); Guar bean (dry); Hyacinth bean (dry); Lima bean (dry); Lupin (dry); Mung bean (dry); Soya bean (dry) *Common bean (dry) includes Dwarf bean (dry); Field bean (dry); Flageolet (dry); Kidney bean (dry); Navy bean (dry)	Subgroup commodity refinement (insertion)	The commodity <i>Beans (dry)</i> has been included in alphabetical order in the list of commodities
All commodities from the groups small seed oilseeds, sunflower seeds, cottonseed	All commodities from the subgroups small seed oilseeds, sunflower seeds, cotton seed	Typographical	The word “groups” has been amended to “subgroups”
Cottonseed	Cotton seed	Typographical	Correcting typographical error

Pre-M1021 subgroup and/or commodity text	Post-M1021 subgroup and/or commodity text	Type of proposed amendment	Description of proposed amendment
Subgroup: Fruiting vegetables, Cucurbits – Cucumbers and Summer squashes Commodities: Balsam apple; Balsam pear (Bitter melon); Bottle gourd; Chayote; Cucumbers; Gherkin; Loofah; Pointed gourd; Snake gourd; Squash, summer (including Zucchini).	Subgroup: Fruiting vegetables, Cucurbits – Cucumbers and Summer squashes Commodities: Balsam apple; Balsam pear (Bitter melon); Bottle gourd; Chayote; Cucumbers; Gherkin; Loofah; Pointed gourd; Snake gourd; Squash, summer (including Zucchini).	Subgroup commodity refinement (insertion)	The commodity <i>Ivy gourd</i> has been included in alphabetical order in the list of commodities
Subgroup: Leaves of trees, shrubs and vines Commodities: Grape leaves; Ivy gourd	Subgroup: Leaves of trees, shrubs and vines Commodities: Grape leaves	Subgroup commodity refinement (omission)	The commodity <i>Ivy gourd</i> has been removed from the subgroup
Subgroup: Leaves of Cucurbitaceae Commodities: Ivy gourd	Subgroup: Leaves of Cucurbitaceae Commodities: Ivy gourd leaves	Subgroup commodity refinement	The word <i>leaves</i> has been added to the commodity name <i>Ivy gourd</i>
Pepper and pepper-like commodities	Peppers	Subgroup name refinement	The name for the subgroup has been amended to <i>Peppers</i>
Eggplant and eggplant-like commodities	Eggplants	Subgroup name refinement	The name for the subgroup has been amended to <i>Eggplants</i>

Appendix 1

Results of the dietary exposure assessments for requested MRL changes

For all MRLs proposed in M1021, the dietary exposure estimates are at or below the relevant HBGVs, indicating that the residues pose negligible health and safety concerns to Australian consumers. The proposed MRL changes, origin of requests, comparisons with Codex MRLs and the dietary exposure estimates for the Australian population are listed in Table 5. Summaries of DEAs for the proposed *All other foods except animal food commodities* MRLs for all chemicals considered are set out in the Appendix 2 to this document. The Interpretive Guide (Figure 1) is only an example that provides relevant information to assist with interpreting Table 5.

Figure 1: Interpretive guide to the proposed MRL changes

Chemical and commodity requested	Pre-M10XX MRL (mg/kg)	Post M10XX MRL (mg/kg)	MRL change	Origin of MRL requested	Commodity description in trading partners standards	Commodity description in Codex, MRL in mg/kg (and year established)	NEDI (% ADI) ²	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Abamectin							46			
Fig	T0.05	None	Deleted	APVMA				Not required	Not required	Not required
Pepper, chili, dried	0.1	0.5	Increased	CODEX		Pepper, chili, dried, 0.5 (2016)		4	6	Not required
Acephate							12			
Strawberry	None	0.5	New	EU	Berries and small fruits (b) strawberries (015200)	Strawberry, 0.5 (2012)		4	1	Not required

Table 5: Summary of the requested commodities, proposed MRLs progressed and their dietary exposure estimates

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Acequinocyl							19			
Raspberries, red, black	None	4	New	USA	Caneberry group 13-07A			27	10	NR ⁷
Acetamiprid							4			
Pistachio nuts	None	1	New	CCPR53 ⁸				2	<1	NR
Amitrole							NR			
Pineapple	T0.01	*0.01	Maintain	APVMA				NR	NR	NR
Azinphos-methyl							5			
Blueberries	T5	*0.01	Reduce	EU	Blueberries			<1	<1	NR
Grapes	T2	*0.01	Reduce	EU	Grapes			<1	<1	NR
Pome fruits [except apple]	T1	2	Increase	China	Apple and pear			100	28	NR
Stone fruits	T2	2	Maintain	China	Peach, Cherry, Nectarine & Plum			82	29	NR
Azoxystrobin							40			
Banana	T0.5	2	Increase	Codex ⁹		Banana, 2 (2009)		NR	NR	NR
Maize cereals	*0.01	0.05	Increase	USA	Corn, grain			NR	NR	NR
Sweet corn (corn-on-the-cob)	*0.01	None	Delete	FSANZ				NR	NR	NR
Sweet corn (kernels)	T0.05	None	Delete	FSANZ				NR	NR	NR
Sweet corns (subgroup)	*0.01 / T0.05	0.05	Increase	USA	Corn, sweet, kernel plus cob with husks removed			NR	NR	NR
Benalaxyl							2			
Fruiting vegetables, cucurbits	0.2	None	Delete	APVMA				NR	NR	NR
Garlic	0.1	None	Delete	APVMA				NR	NR	NR
Grapes	0.5	T0.5	Retain	FSANZ				NR	NR	NR

6. The %ADI captures all the existing commodities listed in Schedule 20 permitted to contain residues and/or metabolites of the chemical, not just the requested commodity(s).

7. NR – not required. NR in the NESTI columns indicates no acute reference dose values have been identified, therefore a DEA is not required. NR in the NEDI column indicates no DEA required because the MRL proposed is for a deletion or reduction.

8. The Codex Committee on Pesticide Residues (CCPR) is a general subject committee of the Codex Alimentarius. One of this committees main purposes is to establish MRLs for pesticide residues in food commodities, which are considered for adoption at the annual Codex Alimentarius Commission meetings. For further information, visit the CCPR website: www.fao.org/fao-who-codexalimentarius/committees/committee/en/?committee=CCPR. Accessed 1 February 2023.

9. The term Codex in the *Origin of new MRL* column identifies a request by a stakeholder to align with a Codex MRL, differentiating it from CCPR proposed MRL change described in footnote 8.

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Lettuce, head	*0.01	None	Delete	APVMA				NR	NR	NR
Lettuce, leaf	*0.01	None	Delete	APVMA				NR	NR	NR
Onion, bulb	0.1	None	Delete	APVMA				NR	NR	NR
Shallot	T0.5	None	Delete	APVMA				NR	NR	NR
Spring onion	T0.1	None	Delete	APVMA				NR	NR	NR
Bendiocarb							NR			
Banana	*0.02	None	Delete	APVMA				NR	NR	NR
Bensulide							NR			
Fruiting vegetables, cucurbits	*0.1	None	Delete	APVMA				NR	NR	NR
Bentazone							NR			
Sweet corn (corn-on-the-cob)	*0.1	None	Delete	APVMA				NR	NR	NR
Benzovindiflupyr							5			
Peanut	0.01	0.04	Increase	Codex		Peanut, 0.04 (2017)		<1	<1	NR
Soya bean (dry)	None	0.08	New	Codex		Soya bean (dry), 0.08 (2017)		<1	<1	NR
Tomato	None	1.5	New	USA	Vegetable, fruiting group 8-10			42	26	NR
Bicyclopyrone							47			
All other foods except animal food commodities	None	0.02	New	FSANZ				NR	NR	4
Bulb Onions	None	0.02	New	USA	Onion, bulb group 3-07A			NR	NR	4
Green onions	None	0.05	New	USA	Onion, green group 3-07B			NR	NR	2
Hops, dry	None	0.04	New	USA	Hops, dried cones			NR	NR	<1
Maize	None	0.02	New	Codex		Maize, 0.02 (2018)		NR	NR	<1
Sweet corn (corn on the cob)	None	0.03	New	Codex		Sweet corn (corn on the cob) (kernels plus cob with husk removed), 0.03 (2018)		NR	NR	9
Bifenazate							39			
Almonds	0.1	0.2	Increase	USA	Nut, tree group 14			NR	NR	NR
Bifenthrin							49			
Cotton seed	0.1	0.5	Increase	Codex		Cotton seed, 0.5 (2011)		12	5	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Cranberry	None	3	New	USA	Berry, low growing, subgroup 13-07G			40	21	NR
Pulses [except common bean (dry) (navy bean); mung bean (dry)]	*0.02	0.3	Increase	Codex		Pulses, 0.3 (2011)		14	6	NR
Bioresmethrin							NR			
Mango	T0.5	None	Delete	APVMA				NR	NR	NR
Bixafen							9			
Barley	*0.01	1.5	Increase	CCPR53				8	5	NR
Cotton seed	T0.3	0.3	Maintain	CCPR53				NR	NR	NR
Pulses [except lupin (dry); soya bean (dry)]	*0.01	0.04	Increase	CCPR53				<1	<1	NR
Root and tuber vegetables	None	0.06	New	CCPR53				1	1	NR
Sorghum grain	*0.01	2	Increase	CCPR53				6	3	NR
Soya bean (dry)	*0.01	0.08	Increase	CCPR53				<1	<1	NR
Soya bean oil, refined	*0.01	0.15	Increase	CCPR53				<1	<1	NR
Sunflower seed	*0.01	3	New	CCPR53				1	<1	NR
Wheat	*0.01	0.3	Increase	CCPR53				2	1	NR
Wheat bran, processed	*0.01	0.8	Increase	CCPR53				1	<1	NR
Boscalid							74			
Almonds	None	0.7	New	USA	Nut, tree, group 14			NR	NR	NR
Bromoxynil							NR			
Grapes	*0.01	None	Delete	APVMA				NR	NR	NR
Sugar cane	*0.02	None	Delete	APVMA				NR	NR	NR
Buprofezin							NR			
Olive oil, crude	T2	None	Delete	APVMA				NR	NR	NR
Olives	T0.5	None	Delete	APVMA				NR	NR	NR
Butafenacil							NR			
Grapes	T*0.02	None	Delete	APVMA				NR	NR	NR
Pome fruits [except Persimmon, Japanese]	T*0.02	None	Delete	APVMA				NR	NR	NR
Stone fruits [except Jujube, Chinese]	T*0.02	None	Delete	APVMA				NR	NR	NR
Chlorothalonil							60			
Cranberry	T10	15	New	CCPR53				11	7	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Chlorpyrifos							NR			
Onion, bulb	0.2	*0.01	Reduce	CCPR53				NR	NR	NR
Peppers, chili, dried	20	None	Delete	CCPR53				NR	NR	NR
Peppers, sweet	2	T1	Reduce	CCPR53				NR	NR	NR
Spices	5	*0.01	Reduce	CCPR53				NR	NR	NR
Strawberry	0.3	0.05	Reduce	CCPR53				NR	NR	NR
Tea, green, black	2	None	Delete	CCPR53				NR	NR	NR
Clothianidin							14			
Barley	*0.02	0.07	Increase	CCPR53				<1	<1	NR
Barley bran, processed	None	0.15	New	CCPR53				1	<1	NR
Liver of cattle, goats, pigs and sheep	*0.02	0.4	Increase	CCPR53				<1	<1	NR
Milks	*0.01	0.05	Increase	CCPR53				2	1	NR
Oats	*0.02	0.07	Increase	CCPR53				<1	<1	NR
Poultry, edible offal of	*0.02	0.4	Increase	CCPR53				2	<1	NR
Poultry fats	None	*0.01	New	CCPR53				<1	<1	NR
Rice	0.5	0.9	Increase	CCPR53				5	2	NR
Rice bran, unprocessed	None	1	New	CCPR53				3	2	NR
Rice, husked	None	0.5	New	CCPR53				1	<1	NR
Rice, polished	None	0.5	New	CCPR53				2	1	NR
Sorghum, grain	*0.01	0.15	Increase	CCPR53				<1	<1	NR
Sorghum, sweet (sorgo)	None	0.4	New	CCPR53				1	1	NR
Sweet corn (corn-on-the-cob)	0.02	None	Delete	FSANZ				NR	NR	NR
Sweet corns (subgroup)	*0.02	0.02	Maintain	CCPR53				NR	NR	NR
Triticale	*0.02	0.15	Increase	CCPR53				<1	<1	NR
Wheat	*0.02	0.15	Increase	CCPR53				1	<1	NR
Wheat bran, processed	None	6	New	CCPR53				8	3	NR
Wheat germ	None	6	New	CCPR53				4	1	NR
Cyantraniliprole							80			
Beans (dry)	None	0.3	New	Codex		Beans (dry), 0.3 (2016)		NR	NR	NR
Cotton seed	*0.01	1.5	Increase	Codex		Cotton seed, 1.5 (2016)		NR	NR	NR
Nectarine	None	1.5	New	USA	Peach subgroup 12-12B			NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Peas with pods (subgroup)	None	2	New	Codex		Peas (pods and succulent = immature seeds), 2 (2016)		NR	NR	NR
Raspberry, red, black	None	4	New	USA	Caneberry subgroup 13-07A			NR	NR	NR
Succulent seeds of Beans with pods	None	0.3	New	Codex		Beans, shelled, 0.3 (2016)		NR	NR	NR
Succulent seeds of Peas with pods	None	0.3	New	Codex		Peas, shelled (succulent seeds), 0.3 (2016)		NR	NR	NR
Cyflumetofen							1			
All other foods except animal food commodities	None	0.02	New	FSANZ				NR	NR	NR
Hops, dry	None	30	New	USA	Hop, dried cones			NR	NR	NR
Cyfluthrin							NR			
Tomato	T0.2	0.2	Maintain	Codex		Tomato, 0.2 (2008)		NR	NR	NR
Cyhalothrin							44			
Lemons and limes (subgroup)	*0.01	0.2	Increase	Codex		Citrus fruits, 0.2 (2013)		51	32	NR
Maize cereals	*0.01	0.05	Increase	USA	Corn, grain			4	2	NR
Soya bean (dry)	*0.02	0.05	Increase	Codex		Pulses, 0.05 (2009)		2	1	NR
Tomato	0.02	0.1	Increase	USA	Tomato			94	29	NR
Walnuts	None	0.05	New	USA	Nut, tree, group 14			3	1	NR
Cypermethrin							58			
Raspberry, red, black	0.5	0.8	Increase	USA	Caneberry subgroup 13-07A			11	1	NR
Cyproconazole							2			
Coffee bean	None	0.07	New	Codex		Coffee beans, 0.07 (2014)		<1	<1	NR
Coffee bean, roasted	None	0.1	New	Codex		Coffee beans, roasted, 0.1 (2014)		<1	<1	NR
Soya bean oil, refined	None	0.1	New	Codex		Soya bean oil, refined, 0.1 (2011)		<1	<1	NR
Cyprodinil							5			
Dried grapes (currants, raisins and sultanas)	5	None	Delete	APVMA				NR	NR	NR
Dry beans (subgroup) [except soya bean (dry)]	None	0.2	New	CCPR53				NR	NR	NR
Dry peas	None	0.2	New	CCPR53				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Ginseng	None	0.3	New	CCPR53				NR	NR	NR
Ginseng (including red), dried	None	3	New	CCPR53				NR	NR	NR
Peas with pods (subgroup)	0.5	2	Increase	CCPR53				NR	NR	NR
Succulent peas without pods	None	0.5	New	CCPR53				NR	NR	NR
2,4-D							16			
Raspberry, red, black	None	0.2	New	USA	Berry group 13-07G			<1	<1	NR
Dichlorvos							54			
Almonds	None	2	New	USA	RAC ¹⁰ , nonperishable, packaged or bagged, containing more than 6 percent fat, postharvest			1	1	NR
Difenoconazole							68			
Cotton seed	T0.05	0.4	Increase	CCPR53				<1	<1	NR
Guava	None	0.15	New	CCPR53				2	1	NR
Tea, green, black	*0.05	20	Increase	CCPR53				6	2	NR
Diphenylamine							26			
Fruits [except apple; pear]	None	0.5	New	APVMA				NR	NR	NR
Diquat							83			
Coffee bean	None	*0.02	New	Codex		Coffee beans, 0.02 (2014)		<1	<1	NR
Tea, green, black	T0.5	0.1	Decrease	Japan	Tea			<1	<1	NR
Ethiprole							20			
Soya bean (dry)	None	0.05	New	CCPR53				1	1	NR
Ethoprophos							4			
Banana	T*0.05	0.02	Reduce	Codex		Banana, 0.02 (2005)		1	<1	NR
Cereal grains [except sweet corns]	*0.005	None	Delete	APVMA				NR	NR	NR
Tomato	T*0.01	*0.01	Maintain	Codex		Tomato, *0.01 (2005)		1	<1	NR
Fenarimol							NR			
Cherries	T1	None	Delete	Codex				NR	NR	NR

10. RAC – Raw agricultural commodity

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Fenbuconazole							18			
Cherries (subgroup)	None	1	New	Codex		Cherries, 1 (1999)		NR	NR	NR
Tea, green, black	*0.05	30	Increase	CCPR53				NR	NR	NR
Fenhexamid							17			
Blackberries	T20	None	Delete	APVMA				NR	NR	NR
Bulb onions (subgroup)	None	3	New	CCPR53				NR	NR	NR
Cane berries	None	20	New	APVMA				NR	NR	NR
Cloudberry	T20	20	Maintain	APVMA				NR	NR	NR
Cucumber	T10	10	Maintain	APVMA				NR	NR	NR
Dewberries (including boysenberry, loganberry and youngberry)	T20	None	Delete	APVMA				NR	NR	NR
Lettuce, head	T50	50	Maintain	APVMA				NR	NR	NR
Lettuce, leaf	T50	50	Maintain	APVMA				NR	NR	NR
Pear	None	6	New	CCPR53				NR	NR	NR
Peas with pods (subgroup)	T5	5	Maintain	APVMA				NR	NR	NR
Peppers (subgroup)	T30	30	Maintain	APVMA				NR	NR	NR
Raspberries, red, black	T20	None	Delete	APVMA				NR	NR	NR
Fenpicoxamid							1			
Edible offal (mammalian)	None	0.02	New	CCPR53				NR	NR	NR
Mammalian fats (except milk fats)	None	*0.015	New	CCPR53				NR	NR	NR
Meat (mammalian)	None	*0.015	New	CCPR53				NR	NR	NR
Milks	None	*0.015	New	CCPR53				NR	NR	NR
Rye	None	0.15	New	CCPR53				NR	NR	NR
Triticale	None	0.15	New	CCPR53				NR	NR	NR
Wheat	None	0.15	New	CCPR53				NR	NR	NR
Fenpyroximate							66			
Citrus fruits [except kumquats]	0.6	None	Delete	CCPR53				NR	NR	NR
Edible offal (mammalian)	0.5	0.8	Increase	CCPR53				1	<1	NR
Lemons and Limes (subgroup)	0.6	1	Increase	CCPR53				38	23	NR
Meat (mammalian)	0.1	None	Delete	FSANZ				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Meat (mammalian) (in the fat)	None	0.2	New	CCPR53				11	<1	NR
Pomelo	0.6	0.5	Reduce	CCPR53				48	52	NR
Tangelo	0.6	0.5	Reduce	CCPR53				20	52	NR
Fluazindolizine							1			
Legume vegetables	None	0.8	New	Canada	Legume vegetables			<1	<1	NR
Fluazifop-p-butyl							73			
Coriander (leaves, roots, stems)	T2	2	Maintain	APVMA				NR	NR	NR
Leafy vegetables [except broccoli, Chinese (Gai lan); lettuce, head; witloof chicory]	T2	2	Maintain	APVMA				NR	NR	NR
Olives	T0.05	None	Delete	APVMA				NR	NR	NR
Olives for oil production	T0.05	0.05	Maintain	APVMA				<1	<1	NR
Parsley	T2	2	Maintain	APVMA				NR	NR	NR
Root and tuber vegetables [except lotus root; potato; sweet potato; taro; water chestnut; yam bean; yams]	T1	1	Maintain	APVMA				NR	NR	NR
Soya bean (dry)	0.5	15	Increase	Codex		Soya bean (dry), 15 (2017)		5	2	NR
Table olives	T0.05	0.05	Maintain	APVMA				<1	<1	NR
Fludioxonil							4			
Almonds	None	0.2	New	USA	Almond			NR	NR	NR
Flutianil							<1			
Apple	None	0.15	New	CCPR53				NR	NR	NR
Cherries (subgroup)	None	0.4	New	CCPR53				NR	NR	NR
Small fruit vine climbing	None	0.7	New	CCPR53				NR	NR	NR
Fluxapyroxad							82			
Dried grapes (currants, raisins and sultanas)	5.7	15	Increase	Codex		Dried grapes (=currants, raisins and sultanas), 15 (2016)		NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Fomesafen							4			
Potato	None	0.025	New	USA	Vegetable, tuberous and corm, subgroup 1C			<1	<1	NR
Tomato	None	0.025	New	USA	Tomato			<1	<1	NR
Forchlorfenuron							NR			
Blueberries	T*0.01	*0.01	Maintain	APVMA				NR	NR	NR
Kiwifruit	T*0.01	*0.01	Maintain	APVMA				NR	NR	NR
Mango	T*0.01	*0.01	Maintain	APVMA				NR	NR	NR
Hexazinone							2			
Pineapple	T1	0.6	Reduce	USA	Pineapple			NR	NR	NR
Hexythiazox							21			
Dates, dried	2	3	Increase	USA	Dates, dried			NR	NR	NR
Raspberries, red, black	1	3	Increase	USA	Caneberry subgroup 13-07A			NR	NR	NR
Strawberry	1	6	Increase	Codex		Strawberry, 6 (2013)		NR	NR	NR
Imazalil							80			
Citron	15	None	Delete	CCPR53				NR	NR	NR
Citrus fruits [except mandarins (subgroup); pummelos and grapefruit]	10	15	Increase	CCPR53				NR	NR	59
Citrus oil, edible	10	500	Increase	CCPR53				NR	NR	4
Lemon	15	None	Delete	CCPR53				NR	NR	NR
Lime	15	None	Delete	CCPR53				NR	NR	NR
Mandarins (subgroup)	10	10	Maintain	FSANZ				NR	NR	NR
Mushrooms	T1	1	Maintain	APVMA				NR	NR	NR
Pummelos and grapefruit	10	10	Maintain	FSANZ				NR	NR	NR
loxynil							NR			
Leek	T2	2	Maintain	APVMA				NR	NR	NR
Onion, Welsh	T10	10	Maintain	APVMA				NR	NR	NR
Shallot	T10	10	Maintain	APVMA				NR	NR	NR
Spring onion	T10	10	Maintain	APVMA				NR	NR	NR
Iprodione							61			
Blueberries	12	15	Increase	USA	Blueberries (highbush and lowbush)			NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Isoprothiolane							<1			
Banana	None	1	New	CCPR53				NR	NR	NR
Isoxaben							<1			
Blueberries	None	0.05	New	EU	Blueberries			NR	NR	NR
Linuron							NR			
Celeriac	T3	3	Maintain	APVMA				NR	NR	NR
Parsnip	T0.05	0.05	Maintain	APVMA				NR	NR	NR
Mandipropamid							41			
Citrus oil, edible	None	30	New	CCPR53				NR	NR	NR
Mammalian fats (except milk fats)	None	0.02	New	CCPR53				NR	NR	NR
Metalaxyl							20			
Brussels sprouts	T0.1	0.15	Increase	CCPR53				NR	NR	NR
Flowerhead brassicas	T0.1	0.2	Increase	CCPR53				NR	NR	NR
Grapes	1	1.5	Increase	CCPR53				NR	NR	NR
Pepper, black, white	*0.1	2	Increase	CCPR53				NR	NR	NR
Spices [except ginger, root; pepper, black, white; peppers, chili, dried]	*0.1	*0.05	Reduce	CCPR53				NR	NR	NR
Tomato	T0.5	None	Delete	FSANZ				NR	NR	NR
Tomatoes (subgroup)	T0.1	T0.5	Increase	CCPR53				NR	NR	NR
Metconazole							3			
Triticale	None	0.15	New	CCPR53				NR	NR	<1
Wheat	None	0.15	New	CCPR53				NR	NR	1
Wheat bran, unprocessed	None	0.3	New	CCPR53				NR	NR	1
Methidathion							16			
All other foods except animal food commodities	0.02	None	Delete	FSANZ				NR	NR	NR
Passionfruit	T0.2	None	Delete	FSANZ				NR	NR	NR
Pear	T0.2	1	Increase	Codex		Pear, 1 (1999)		NR	NR	NR
Methoprene							2			
Soya bean (dry)	None	3	New	CCPR53				NR	NR	NR
Methoxyfenozone							29			
Basil, dry	None	400	New	CCPR53				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Basil, leaves	None	80	New	CCPR53				NR	NR	NR
Sugar cane, molasses	None	0.1	New	CCPR53				NR	NR	NR
Tea, green, black	None	80	New	CCPR53				NR	NR	NR
Metolachlor							2			
Adzuki bean (dry)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Blueberries	None	0.15	New	USA	Bushberry subgroup 13-07B			NR	NR	NR
Bulb onions (subgroup)	None	0.1	New	USA	Onion, bulb, subgroup 3-07A			NR	NR	NR
Burnet, salad	T*0.05	None	Delete	APVMA				NR	NR	NR
Chard (silver beet)	T*0.01	*0.01	Maintain	APVMA				NR	NR	NR
Chervil	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Chives	T*0.05	None	Delete	FSANZ				NR	NR	NR
Coriander (leaves, stems)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Coriander, roots	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Coriander, seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Dill seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Fennel, seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Galangal, Greater	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Green onions	None	2	New	USA	Onion, green, subgroup 3-07B			NR	NR	NR
Herbs	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Kaffir lime leaves	T*0.05	None	Delete	APVMA				NR	NR	NR
Lemon grass	T*0.05	None	Delete	APVMA				NR	NR	NR
Lemon verbena (dry leaves)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Mizuna	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Onion, Welsh	*0.01	None	Delete	FSANZ				NR	NR	NR
Potato	*0.01	0.2	Increase	USA	Vegetable, tuberous and corm, subgroup 1C			NR	NR	NR
Rose and dianthus (edible flowers)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Rucola (rocket)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Shallot	*0.01	None	Delete	FSANZ				NR	NR	NR
Spinach	T*0.01	*0.01	Maintain	APVMA				NR	NR	NR
Tomato	T*0.01	0.1	Increase	USA	Vegetable, fruiting, group 8-10, except tabasco pepper			NR	NR	NR
Turmeric, root	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Novaluron							35			
Strawberry	None	0.5	New	Codex		Strawberry, 0.5 (2011)		NR	NR	NR
Oryzalin							<1			
Coffee beans	T0.1	T0.1	Retain	FSANZ				NR	NR	NR
Garlic	T*0.05	None	Delete	APVMA				NR	NR	NR
Ginger, root	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Oxamyl							NR			
Cereal grains [except sweet corns]	*0.02	None	Delete	APVMA				NR	NR	NR
Onion, Welsh	T0.5	None	Delete	APVMA				NR	NR	NR
Shallot	T0.5	None	Delete	APVMA				NR	NR	NR
Spring onion	T0.5	None	Delete	APVMA				NR	NR	NR
Oxycarboxin							<1			
Blueberries	T10	T10	Retain	FSANZ				NR	NR	NR
Paclobutrazol							NR			
Barley	T0.1	None	Delete	APVMA				NR	NR	NR
Broccoli	T*0.01	None	Delete	APVMA				NR	NR	NR
Wheat	T0.1	None	Delete	APVMA				NR	NR	NR
Paraquat							43			
Cacao bean	None	0.05	New	USA	Cacao bean			3	1	NR
Pebulate							NR			
Tomato	*0.1	None	Delete	APVMA				NR	NR	NR
Pendimethalin							2			
Cherries (subgroup)	*0.05	0.1	Increase	USA	Fruit, stone, group 12-12			<1	<1	NR
Coffee beans	T*0.01	None	Delete	APVMA				NR	NR	NR
Fruiting vegetables, other than cucurbits	None	*0.05	New	CCPR53				<1	<1	NR
Leek	*0.05	0.3	Increase	CCPR53				<1	<1	NR
Parsley, leaves	T*0.05	1.5	Increase	CCPR53				<1	<1	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Phosphorous acid							NA ¹¹	NA	NA	NA
Anise myrtle leaves	T1000	None	Delete	APVMA						
Assorted tropical and sub-tropical fruits – inedible peel [except Avocado; Passionfruit; tamarillo (tree tomato)]	T100	None	Delete	APVMA						
Custard apple	T100	500	Increase	APVMA						
Hops, dry	None	2000	New	EU	Hops					
Lemon myrtle leaves	T1000	None	Delete	APVMA						
Papaya (pawpaw)	T100	T100	Maintain	APVMA						
Pineapple	T100	T20	Reduce	APVMA						
Riberry	T1000	None	Delete	APVMA						
Turmeric, root	T100	None	Delete	APVMA						
Pinoxaden							2			
All other foods except animal food commodities	None	0.06	New	FSANZ				NR	NR	<1
Wheat	0.1	0.7	Increase	Codex		Wheat, 0.7 (2017)		NR	NR	<1
Pirimicarb							NR			
Blackberries	T2	2	Maintain	APVMA				NR	NR	NR
Onion, Welsh	T7	7	Maintain	APVMA				NR	NR	NR
Shallot	T7	7	Maintain	APVMA				NR	NR	NR
Spring onion	T7	7	Maintain	APVMA				NR	NR	NR
Prometryn							NR			
Adzuki bean (dry)	T*0.1	None	Delete	APVMA				NR	NR	NR
Turmeric, root	T*0.01	None	Delete	APVMA				NR	NR	NR
Propaquizafop							NR			
Onion, bulb	*0.05	None	Delete	APVMA				NR	NR	NR
Propazine							NR			
Carrot	*0.1	*0.1	Maintain	APVMA				NR	NR	NR
Sweet corns	*0.1	None	Delete	FSANZ				NR	NR	NR
Vegetables	*0.1	None	Delete	APVMA				NR	NR	NR

11. NA – Not applicable. No health-based guidance values (HBGVs) have been established for phosphorous acid. With no HBGVs, a dietary exposure assessment is not applicable. The listing of this chemical in the Code and the APVMA's MRL Standard predates the Federal administration of MRLs therefore the current standard HBGV requirements for establishing MRLs in Schedule 20 do not apply.

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Propiconazole							32			
Asparagus	T*0.1	None	Delete	APVMA				NR	NR	NR
Broccoli, Chinese	T1	T1	Maintain	APVMA				NR	NR	NR
Gai lan	T1	None	Delete	APVMA				NR	NR	NR
Grapes	1	T1	Retain	FSANZ				6	9	NR
Persimmon, American	T0.2	None	Delete	APVMA				NR	NR	NR
Riberry	T5	None	Delete	APVMA				NR	NR	NR
Propyzamide							NR			
Artichoke, globe	T*0.02	None	Delete	APVMA				NR	NR	NR
Prothioconazole							8			
Linseed	None	0.03	New	CCPR53				NR	NR	<1
Pulses [except soya bean (dry)]	None	1	New	Codex		Pulses [except soya bean, dry] 1, (2010)		NR	NR	5
Rape seed	*0.02	0.2	Increase	CCPR53				NR	NR	<1
Rape seed oil, edible	None	0.15	New	CCPR53				NR	NR	<1
Sunflower seed oil, crude	None	0.5	New	CCPR53				NR	NR	<1
Sunflower seeds (subgroup)	*0.02	0.5	Increase	CCPR53				NR	NR	1
Pydiflumetofen							9			
Beans with pods	T0.5	0.7	Increase	CCPR53				NR	NR	NR
Blueberries	5	None	Delete	FSANZ				NR	NR	NR
Brassica vegetables (except Brassica leafy vegetables) [except Chinese cabbage (Pe-tsai)]	0.5	None	Delete	FSANZ				NR	NR	NR
Bulb onions (subgroup)	None	0.3	New	CCPR53				NR	NR	NR
Bush berries	3	5	Increase	CCPR53				NR	NR	NR
Cherries (subgroup)	None	2	New	CCPR53				NR	NR	NR
Citrus fruits	None	1	New	USA		Fruit, citrus, group 10-10		NR	NR	NR
Citrus oil, edible	None	40	New	CCPR53				NR	NR	NR
Cotton seed	0.3	0.02	Reduce	CCPR53				NR	NR	NR
Edible offal (mammalian)	1	0.1	Reduce	CCPR53				NR	NR	NR
Elderberries	3	5	Increase	CCPR53				NR	NR	NR
Flowerhead brassicas	0.5	3	Increase	CCPR53				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Green onions	None	2	New	USA	Onion, green, subgroup 3-07B			NR	NR	NR
Head brassicas [except Chinese cabbage (Pe-tsai)]	0.5	2	Increase	CCPR53				NR	NR	NR
Peaches (subgroup)	None	1	New	CCPR53				NR	NR	NR
Peas with pods (subgroup)	T0.5	1.5	Increase	CCPR53				NR	NR	NR
Plums (including fresh prunes)	None	0.6	New	CCPR53				NR	NR	NR
Prunes, dried	None	1.5	New	CCPR53				NR	NR	NR
Stem brassicas	0.5	T0.5	Maintain	CCPR53				NR	NR	NR
Sunflower seeds (subgroup)	0.3	0.5	Increase	CCPR53				NR	NR	NR
Pymetrozine							NR			
Leafy herbs	T10	None	Delete	APVMA				NR	NR	NR
Mizuna	5	None	Delete	APVMA				NR	NR	NR
Pyrasulfotole							3			
Barley	*0.02	0.03	Increase	CCPR53				<1	<1	NR
Eggs	*0.01	*0.02	Increase	CCPR53				<1	<1	NR
Mammalian fats (except milk fats)	None	*0.02	New	CCPR53				<1	<1	NR
Meat (mammalian)	*0.01	*0.02	Increase	CCPR53				<1	<1	NR
Oats	*0.02	0.15	Increase	CCPR53				1	<1	NR
Poultry, edible offal of	*0.01	0.05	Increase	CCPR53				<1	<1	NR
Poultry fats	None	*0.02	New	CCPR53				<1	<1	NR
Poultry meat	*0.01	*0.02	Increase	CCPR53				<1	<1	NR
Sorghum, grain	*0.02	0.5	Increase	CCPR53				<1	<1	NR
Pyraziflumid							37			
Dried grapes (currants; raisins; sultanas)	None	6	New	CCPR53				<1	<1	NR
Grapes	None	3	New	CCPR53				3	3	NR
Pome fruits	None	1.5	New	CCPR53				6	2	NR
Pyridate							NR			
Poppy seed	T0.05	None	Delete	APVMA				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Pyroxasulfone							1			
Potato	None	0.08	New	USA	Vegetable, tuberous and corm, subgroup 1C			NR	NR	NR
Pyroxsulam							NR			
Rye	*0.01	None	Delete	APVMA				NR	NR	NR
Quinclorac							2			
Blueberries	None	0.08	New	USA	Bushberry subgroup 13-07B			<1	<1	NR
Quinoxifen							2			
Chard [silver beet]	T3	3	Maintain	APVMA				NR	NR	NR
Strawberry	0.3	T0.3	Retain	FSANZ				NR	NR	NR
Saflufenacil							NR			
Grapes	*0.03	None	Delete	APVMA				NR	NR	NR
Stone fruits [except Jujube, Chinese]	*0.03	None	Delete	APVMA				NR	NR	NR
Simazine							NR			
Ginger root	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Spinetoram							14			
Chia	T0.05	None	Delete	APVMA				NR	NR	NR
Pitaya (dragon fruit)	0.3	0.5	Increase	CCPR53				NR	NR	NR
Raspberries, red, black	0.5	0.8	Increase	Codex		Raspberries, red, black, 0.8 (2013)		NR	NR	NR
Tea, green, black	None	70	New	CCPR53				NR	NR	NR
Spinosad							45			
Currants, black, red, white	0.7	1.5	Increase	EU	Currants (black, red and white)			NR	NR	NR
Japanese greens	5	None	Delete	APVMA				NR	NR	NR
Onion, Welsh	0.3	None	Delete	APVMA				NR	NR	NR
Raspberries, red, black	0.7	1.5	Increase	EU	Raspberries (red and yellow)			NR	NR	NR
Rucola (rocket)	5	None	Delete	APVMA				NR	NR	NR
Shallot	0.3	None	Delete	APVMA				NR	NR	NR
Spring Onion	0.3	None	Delete	APVMA				NR	NR	NR
Spiropidion							19			
Cucumber	None	0.8	New	CCPR53				8	1	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Edible offal (mammalian)	None	0.2	New	CCPR53				<1	<1	NR
Eggs	None	*0.012	New	CCPR53				<1	<1	NR
Fruiting vegetables, cucurbits - melons, pumpkins and winter squashes	None	0.9	New	CCPR53				15	8	NR
Mammalian fats (except milk fats)	None	0.025	New	CCPR53				<1	<1	NR
Meat (mammalian)	None	*0.012	New	CCPR53				<1	<1	NR
Milks	None	*0.012	New	CCPR53				<1	<1	NR
Peppers (subgroup)	None	1	New	CCPR53				2	<1	NR
Peppers, chili, dried	None	7	New	CCPR53				11	1	NR
Potato	None	1.5	New	CCPR53				17	7	NR
Potato, flakes/granules	None	5	New	CCPR53				<1	1	NR
Poultry, edible offal of	None	*0.012	New	CCPR53				<1	<1	NR
Poultry fats	None	*0.012	New	CCPR53				<1	<1	NR
Poultry meat	None	*0.012	New	CCPR53				<1	<1	NR
Soya bean (dry)	None	3	New	CCPR53				1	1	NR
Soya flour	None	5	New	CCPR53				<1	<1	NR
Tomato	None	0.8	New	CCPR53				6	2	NR
Tomato, dried	None	7	New	CCPR53				<1	1	NR
Tomato, puree	None	1.5	New	CCPR53				<1	<1	NR
Spirotetramat							17			
Chia	T1	None	Delete	APVMA				NR	NR	NR
Currants, black, red, white	None	1.5	New	Codex		Bush berries, 1.5 (2014)		<1	<1	NR
Hops, dry	10	15	Increase	FSANZ				<1	<1	NR
Kiwifruit	T0.1	None	Delete	APVMA				NR	NR	NR
Spiroxamine							18			
Banana	T5	T5	Retain	FSANZ				51	15	NR
Sulfoxaflor							35			
Asparagus	None	0.015	New	CCPR53				<1	<1	NR
Blueberries	T2	None	Delete	FSANZ				NR	NR	NR
Blueberries	2	None	Delete	FSANZ				NR	NR	NR
Bush berries	None	2	New	CCPR53				5	1	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Coffee bean	None	0.3	New	CCPR53				<1	1	NR
Elderberries	None	2	New	CCPR53				2	<1	NR
Tebuconazole							21			
Blackberries	1	None	Delete	FSANZ				NR	NR	NR
Cane berries	None	1	New	FSANZ				1	<1	NR
Coffee bean	T0.1	0.4	Increase	CCPR53				<1	<1	NR
Tebufenozide							36			
Raspberries, red, black	None	3	New	USA	Caneberry subgroup 13-07A			2	<1	NR
Thiamethoxam							39			
Barley	*0.01	0.5	Increase	CCPR53				<1	<1	NR
Barley bran, processed	None	1.5	New	CCPR53				2	<1	NR
Edible offal (mammalian)	*0.02	0.05	Increase	CCPR53				<1	<1	NR
Meat (mammalian)	*0.02	0.07	Increase	CCPR53				<1	<1	NR
Milks	*0.005	0.15	Increase	CCPR53				1	<1	NR
Oats	*0.01	0.5	Increase	CCPR53				<1	<1	NR
Persimmon, Japanese	None	0.6	New	CCPR53				1	<1	NR
Poultry fats	None	*0.01	New	CCPR53				<1	<1	NR
Poultry meat	*0.02	0.03	Increase	CCPR53				<1	<1	NR
Rice	*0.01	50	Increase	CCPR53				36	20	NR
Rice bran, unprocessed	None	30	New	CCPR53				56	9	NR
Rice, husked	None	5	New	CCPR53				2	<1	NR
Rice, polished	None	3	New	CCPR53				2	1	NR
Sorghum, grain	*0.02	0.6	Increase	CCPR53				<1	<1	NR
Sorghum, sweet (sorgo)	None	0.6	New	CCPR53				<1	<1	NR
Triticale	*0.01	0.15	Increase	CCPR53				<1	<1	NR
Wheat	*0.01	0.15	Increase	CCPR53				<1	<1	NR
Tolfenpyrad							15			
Potato	None	0.01	New	USA	Vegetable, tuberous and corm, subgroup 1C			3	1	NR
Triadimefon							35			
Apple	1	T1	Retain	FSANZ				71	20	NR
Triadimenol							NR			
Cotton seed	T0.01	None	Delete	APVMA				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Cotton seed oil, crude	T0.05	None	Delete	APVMA				NR	NR	NR
Lemon grass	T*0.05	None	Delete	APVMA				NR	NR	NR
Trichlorfon							NR			
Kale	0.2	None	Delete	APVMA				NR	NR	NR
Peanut	0.1	None	Delete	APVMA				NR	NR	NR
Sugar beet	0.05	None	Delete	APVMA				NR	NR	NR
Trifloxystrobin							28			
Beans with pods	0.06	0.5	Increase	CCPR53				NR	NR	NR
Bush berries	None	3	New	CCPR53				NR	NR	NR
Chick-pea (dry)	T*0.02	None	Delete	APVMA				NR	NR	NR
Corn salad	None	15	New	CCPR53				NR	NR	NR
Currants, black, red, white	3	None	Delete	FSANZ				NR	NR	NR
Edible offal (mammalian)	*0.05	0.09	Increase	CCPR53				NR	NR	NR
Eggs	None	*0.04	New	CCPR53				NR	NR	NR
Lentil (dry)	T*0.02	None	Delete	APVMA				NR	NR	NR
Linseed	None	0.4	New	CCPR53				NR	NR	NR
Macadamia nuts	T*0.05	None	Delete	APVMA				NR	NR	NR
Mammalian fats (except milk fats)	None	0.07	New	CCPR53				NR	NR	NR
Meat (mammalian)	*0.05	None	Delete	FSANZ				NR	NR	NR
Meat (mammalian) (in the fat)	None	0.07	New	CCPR53				NR	NR	NR
Peas with pods (subgroup)	0.06	1.5	Increase	CCPR53				NR	NR	NR
Poultry, edible offal of	None	*0.04	New	CCPR53				NR	NR	NR
Poultry meat (in the fat)	None	*0.04	New	CCPR53				NR	NR	NR
Trifluralin							NR			
Burnet, Salad	T*0.05	None	Delete	APVMA				NR	NR	NR
Chia	T*0.01	None	Delete	APVMA				NR	NR	NR
Coriander (leaves, roots, stems)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Coriander seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Dill seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Fennel seed	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR

Chemical and commodity requested	Pre-M1021 MRL (mg/kg)	Post M1021 MRL (mg/kg)	MRL change	Origin of new MRL	Commodity description in trading partners standards	Commodity description in Codex, MRL (mg/kg) and (year established)	NEDI (% ADI) ⁶	NESTI (% ARfD) 2-6 years	NESTI (% ARfD) 2+ years	NESTI (% ARfD) Women 16-44 years
Galangal, greater	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Herbs	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Kaffir lime leaves	T*0.05	None	Delete	APVMA				NR	NR	NR
Lemon grass	T*0.05	None	Delete	APVMA				NR	NR	NR
Lemon verbena (fresh weight)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Mizuna	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Parsnip	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Rose and dianthus (edible flowers)	T*0.05	*0.05	Maintain	APVMA				NR	NR	NR
Turmeric root	T0.5	0.5	Maintain	APVMA				NR	NR	NR
Trinexapac-ethyl							13			
All other foods except animal food commodities	None	0.02	New	FSANZ				NR	NR	NR
Barley bran, processed	None	4	New	CCPR53				NR	NR	NR
Rice	0.2	0.5	Increase	CCPR53				NR	NR	NR
Rice bran, unprocessed	0.5	3	Increase	CCPR53				NR	NR	NR
Rice, polished	0.5	0.7	Increase	CCPR53				NR	NR	NR
Rye	0.2	3	Increase	CCPR53				NR	NR	NR
Wheat bran, unprocessed	0.5	5	Increase	CCPR53				NR	NR	NR

Appendix 2

Dietary exposure assessment summaries for the proposed *All other foods except animal food commodities* MRLs

This appendix outlines the *All other foods except animal food commodities* MRL consideration for all chemicals requested for inclusion in proposal M1021, following the principles set out in P1027¹².

Chemicals not registered for use in Australia do not meet the requirements for establishing an *All other foods except animal food commodities* MRL. Should a chemicals registration in Australia be withdrawn or removed, any pre-existing *All other foods except animal food commodities* MRL in schedule 20 would be proposed for deletion in the following MRL harmonisation proposal.

A conservative assumption made by FSANZ when calculating the national estimate of daily intake (NEDI) is that 10% of the *All other foods except animal food commodities* would likely contain residues. This assumption does not apply to the calculations of the national estimated short-term intake (NESTI).

The relevant health-based guidance values for the NEDI and NESTI are the acceptable daily intake (ADI) and the acute reference dose (ARfD) respectively.

12. www.foodstandards.gov.au/food-standards-code/proposals/P1027. Accessed 11 December 2023.

List of agvet chemicals reviewed or considered for an *All other foods except animal food commodities* MRL

2,4-D.....	50
Acequinocyl	50
Acetamiprid	50
Amitrole	50
Azinphos-methyl	50
Azoxystrobin	50
Benzovindiflupyr.....	50
Bicyclopyrone	50
Bifenazate.....	51
Bifenthrin.....	51
Bixafen.....	51
Boscalid.....	51
Chlorothalonil.....	51
Chlorpyrifos	51
Clothianidin	51
Cyantraniliprole.....	51
Cyflumetofen.....	52
Cyfluthrin.....	52
Cyhalothrin.....	52
Cypermethrin.....	53
Cyproconazole	53
Cyprodinil	53
Dichlorvos	53
Difenoconazole	53
Diphenylamine	53
Diquat	53
Ethiprole	53
Ethoprophos.....	53
Fenbuconazole.....	53
Fenbutatin oxide	53
Fenhexamid.....	54
Fenpicoxamid.....	54
Fenpropathrin.....	54
Fenpyroximate	54
Fluazaindolizine	54

Fluazifop-p-butyl	54
Fludioxonil.....	54
Flutianil	54
Fluxapyroxad.....	54
Fomesafen.....	54
Forchlorfenuron	54
Hexazinone.....	55
Hexythiazox.....	55
Imazalil.....	55
Iprodione	55
Isoprothiolane	55
Isoxaben	55
Mandipropamid	55
Metalaxyl.....	55
Metconazole	55
Methidathion.....	55
Methoprene	55
Methoxyfenozide.....	56
Metolachlor.....	56
Novaluron	56
Paraquat	56
Pendimethalin	56
Pinoxaden.....	56
Propazine.....	57
Prothioconazole	57
Pydiflumetofen	57
Pyrasulfotole	57
Pyraziflumid	57
Pyroxasulfone	57
Quinclorac	57
Spinetoram	57
Spinosad.....	57
Spiropidion.....	58
Spirotetramat.....	58
Sulfoxaflor	58
Tebuconazole	58
Tebufenozide.....	58

Thiamethoxam.....	58
Tolfenpyrad	58
Trifloxystrobin.....	58
Trinexapac-ethyl	58

2,4-D

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for 2,4-D is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Acequinocyl

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for acequinocyl is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Acetamiprid

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for acetamiprid is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Amitrole

Amitrole 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.

Azinphos-methyl

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

Azoxystrobin

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for azoxystrobin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Benzovindiflupyr

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for benzovindiflupyr is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Bicyclopyrone

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

Considerations	Comments
Limit of determination (LOD)	0.02 mg/kg as indicated in EU Pesticide database
Lowest plant commodity MRL	0.02 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.02 (Barley, Wheat) to 0.05 mg/kg (Wheat bran, unprocessed)
Lowest plant commodity MRL that is not the LOD	0.02 mg/kg
Most relevant reference point to minimise off-label use	0.04 mg/kg
Consumption amount used in NEDI calculation for <i>All other foods except animal commodities</i>	43.42 g/kg bw/day
Chronic dietary exposure (NEDI) considering existing permissions and proposed M1021 MRLs	38% of the ADI
Proposed <i>All other foods except animal commodities</i> MRL	0.02 mg/kg

NEDI including <i>All other foods except animal commodities</i> MRL, existing permissions and proposed M1021 MRLs	47% of the ADI
Percentage contribution of <i>All other foods except animal commodities</i> to total chronic dietary exposure	An <i>All other foods except animal 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)	Women of child bearing age 16-44 years of age [worse case - watermelon], 4% of the ARfD.
Conclusion	After considering the principles established and agreed in FSANZ proposal P1027, an <i>All other foods except animal 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.

Bifenazate

An MRL of 0.2 mg/kg for *All other foods except animal food commodities* for bifenazate is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Bifenthrin

An MRL of 0.03 mg/kg for *All other foods except animal food commodities* for bifenthrin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Bixafen

An MRL of 0.03 mg/kg for All other foods for bixafen is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Boscalid

An MRL of 0.5 mg/kg for *All other foods except animal food commodities* for boscalid is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Chlorothalonil

Chlorothalonil has been nominated and prioritised for review by the APVMA and is therefore excluded from consideration of an *All other foods except animal food commodities* MRL as per the principles established in P1027.

Chlorpyrifos

Chlorpyrifos has been nominated and prioritised for review by the APVMA and is therefore excluded from consideration of an *All other foods except animal food commodities* MRL as per the principles established in P1027.

Clothianidin

An MRL of T0.1 mg/kg for *All other foods except animal food commodities* for clothianidin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Cyantraniliprole

An MRL of 0.05 mg/kg for All other foods for cyantraniliprole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Cyflumetofen

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 mg/kg as indicated by * in the EU Pesticides and Codex MRL databases.
Lowest plant commodity MRL	0.01 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.01 (tree nuts) to 3 mg/kg (dried grapes). Note that proposed hops, dry MRL is 30 mg/kg.
Lowest plant commodity MRL that is not the LOD	0.3 mg/kg
Most relevant reference point to minimise off-label use	0.01 mg/kg
Consumption amount used in NEDI calculation for <i>All other foods except animal commodities</i>	39.2 g/kg bw/day
Chronic dietary exposure (NEDI) considering existing permissions and proposed M1021 MRLs	1% of the ADI
Proposed <i>All other foods except animal commodities</i> MRL ¹	0.02 mg/kg
NEDI including <i>All other foods except animal commodities</i> MRL, existing permissions and proposed M1021 MRLs	1% of the ADI
Percentage contribution of <i>All other foods except animal commodities</i> to total chronic dietary exposure	An <i>All other foods except animal commodities</i> MRL of 0.02 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)	An acute dietary exposure assessment is considered unnecessary for cyflumetofen because the APVMA and JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in FSANZ proposal P1027, an <i>All other foods except animal 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.

Cyfluthrin

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for cyfluthrin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 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 was established by the APVMA and is listed in schedule 20. This MRL was reviewed in M1021 and no change is proposed.

Cyproconazole

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for cyproconazole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Cyprodinil

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for cyprodinil is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Dichlorvos

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for dichlorvos is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Difenoconazole

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for difenoconazole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Diphenylamine

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for diphenylamine is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Diquat

Diquat has been nominated and prioritised for review by the APVMA and is therefore excluded from consideration of an *All other foods except animal food commodities* MRL as per the principles established in P1027.

Ethiprole

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

Ethoprophos

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

Fenbuconazole

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for fenbuconazole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fenbutatin oxide

Fenbutatin oxide was considered for an *All other foods except animal food commodities* MRL, however the contribution to the total dietary exposure exceeded the agreed target. No *All other foods except animal food commodities* MRL is proposed.

Fenhexamid

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for fenhexamid is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fenpicoxamid

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

Fenpropathrin

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

Fenpyroximate

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for fenpyroximate is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fluazaindolizine

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for fluazaindolizine is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fluazifop-p-butyl

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for fluazifop-p-butyl is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fludioxonil

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for fludioxonil is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Flutianil

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

Fluxapyroxad

An MRL of 0.1 mg/kg for *All other foods* for fluxapyroxad is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Fomesafen

Fomesafen was considered for an *All other foods except animal food commodities* MRL, however no practical limit could be established at this stage that would minimise off-label use.

Forchlorfenuron

Forchlorfenuron was considered for an *All other foods except animal food commodities* MRL, however the contribution to the total dietary exposure exceeded the agreed target. No *All other foods except animal food commodities* MRL is proposed.

Hexazinone

Hexazinone was considered for an *All other foods except animal food commodities* MRL, however the contribution to the total dietary exposure exceeded the agreed target. No *All other foods except animal food commodities* MRL is proposed.

Hexythiazox

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for hexythiazox is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Imazalil

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for imazalil is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Iprodione

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for iprodione is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Isoprothiolane

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

Isoxaben

Isoxaben was considered for an *All other foods except animal food commodities* MRL, however there was no practical limit that would minimise off-label use.

Mandipropamid

An MRL of 0.5 mg/kg for *All other foods except animal food commodities* for mandipropamid is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Metalaxyl

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for metalaxyl is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

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.

Methidathion

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for methidathion is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and is proposed to be omitted as there are no longer any registered uses of methidathion in Australia.

Methoprene

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for methoprene is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Methoxyfenozide

An MRL of 0.03 mg/kg for *All other foods except animal food commodities* for methoxyfenozide is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Metolachlor

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for metolachlor is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Novaluron

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for novaluron is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Paraquat

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

Pendimethalin

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for pendimethalin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Pinoxaden

An *All other foods except animal food commodities* MRL of 0.06 mg/kg is proposed based on the following considerations:

Considerations	Comments
Limit of determination (LOD)	0.03 - 0.1 mg/kg (as indicated by * in EU pesticides database)
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.1 (wheat / barley) to 0.5 (wheat bran, unprocessed).
Lowest plant commodity MRL that is not the LOD	0.5 mg/kg
Most relevant reference point to minimise off-label use	0.1 mg/kg
Consumption amount used in NEDI calculation for <i>All other foods except animal commodities</i>	44.1 g/kg bw/day
Chronic dietary exposure (NEDI) considering existing permissions and proposed M1021 MRLs	2% of the ADI
Proposed <i>All other foods except animal commodities</i> MRL ¹	0.06 mg/kg
NEDI including <i>All other foods except animal commodities</i> MRL, existing permissions and proposed M1021 MRLs	2% of the ADI
Percentage contribution of <i>All other foods except animal commodities</i> to total chronic dietary exposure	An <i>All other foods except animal commodities</i> MRL of 0.06 mg/kg represents a contribution of 14% to total dietary exposure which is within the 20% target and is considered acceptable.

Considerations	Comments
Acute dietary exposure assessment (NESTI)	Women of child bearing age (worse case – watermelon; milk), <1% of the ARfD.
Conclusion	After considering the principles established and agreed in FSANZ proposal P1027, an <i>All other foods except animal commodities</i> MRL of 0.06 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.

Propazine

Propazine was considered for an *All other foods except animal food commodities* MRL, however the contribution to the total dietary exposure exceeded the agreed target. No *All other foods except animal food commodities* MRL is proposed.

Prothioconazole

An MRL of 0.02 mg/kg for *All other foods except animal food commodities* for prothioconazole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Pydiflumetofen

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for pydiflumetofen is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Pyrasulfotole

Pyrasulfotole was considered for an *All other foods except animal food commodities* MRL, however there was no practical limit that would minimise off-label use.

Pyraziflumid

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

Pyroxasulfone

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for pyroxasulfone is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Quinclorac

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

Spinetoram

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for Spinetoram is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Spinosad

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for spinosad is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Spiropidion

Spiropidion 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 spiropidion in Australia.

Spirotetramat

An MRL of 0.1 mg/kg for *All other foods except animal food commodities* for Spirotetramat is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Sulfoxaflor

An MRL of 0.01 mg/kg for *All other foods except animal food commodities* for sulfoxaflor is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Tebuconazole

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for tebuconazole is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Tebufenozide

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for tebufenozide is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Thiamethoxam

An MRL of 0.5 mg/kg for *All other foods except animal food commodities* for thiamethoxam is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Tolfenpyrad

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

Trifloxystrobin

An MRL of 0.05 mg/kg for *All other foods except animal food commodities* for trifloxystrobin is currently listed in Schedule 20. This MRL was reviewed as part of M1021 and no change is proposed.

Trinexapac-ethyl

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 (as indicated in EU Pesticide Database).
Lowest plant commodity MRL	0.1 mg/kg
Magnitude of existing plant commodity MRLs	The range of existing MRLs is 0.1 (Sugar cane) to 20 mg/kg (Poppy seeds).
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

Considerations	Comments
Consumption amount used in NEDI calculation for <i>All other foods except animal commodities</i>	41.99 g/kg bw/day
Chronic dietary exposure (NEDI) considering existing permissions and proposed M1021 MRLs	12% of the ADI
Proposed <i>All other foods except animal commodities</i> MRL ¹	0.02 mg/kg
NEDI including <i>All other foods except animal commodities</i> MRL, existing permissions and proposed M1021 MRLs	13% of the ADI
Percentage contribution of <i>All other foods except animal commodities</i> to total chronic dietary exposure	An <i>All other foods except animal commodities</i> MRL of 0.02 mg/kg represents a contribution of 7% to total dietary exposure which is within the 20% target.
Acute dietary exposure assessment (NESTI)	An acute dietary exposure assessment is considered unnecessary for trinexapac-ethyl because the APVMA and the JMPR consider an ARfD unnecessary.
Conclusion	After considering the principles established and agreed in FSANZ proposal P1027, an <i>All other foods except animal 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.