

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
the United Nations



World Health
Organization

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Agenda item 6

CX/PR 24/55/5

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ORIGINAL LANGUAGE ONLY

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

Fifty-fifth Session

Chengdu, Sichuan province, People's Republic of China

3-8 June 2024

MAXIMUM RESIDUE LIMITS FOR PESTICIDES IN FOODS AND FEEDS AT STEPS 7 AND 4

NOTES FOR CONSIDERATION FOR CCPR55:

For consideration under Agenda Item 6

1. Inclusion of additional commodities in Class A and Class C

- 1.1 JMPR (2023) has recommended MRLs for two commodities for which there are no Codex commodity codes neither in the old nor in the current (revised) *Classification of Food and Feed* (CXA 4-1989). These codes will be added to the Classification of Food and Feed (CXA 4-1989) and will be forwarded to the Codex Alimentarius Commission (CAC) as consequential amendment to the Classification (Class A and Class D).
- 1.2 The new code DM 3527 will replace the old code CP 0448, a tentative code that was introduced by CCPR47 (2015) to allow the inclusion of a CXL for tomato ketchup (see Fenamidone (264)). The new code should be included in the revised Classification as a consequential amendment to Class D.

Action required:

- 1.3 CCPR is invited to request the amendment to the *Classification of Food and Feed* (Class A and Class C) to include additional commodities in view of the MRL recommendations arising from JMPR (2023).

CLASS A – PRIMARY FOOD COMMODITIES OF PLANT ORIGIN

Subgroup 023C Cottonseed	SO 3149 Cottonseed, delinted <i>Gossypium</i> spp.; several species and cultivars (if no specific CXL is set for delinted cottonseed, see Cottonseed, SO 0691, the same MRL applies as the food commodity)
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CLASS C – PRIMARY FEED COMMODITIES OF PLANT ORIGIN

Subgroup 052A: Miscellaneous feed products with high water ($\geq 20\%$) content (forage, beet tops)	AM 3604 Potato, culls <i>Solanum tuberosum</i> L. (if no specific CXL is set for potato culls, see Potato, VR 0589, the same MRL applies as the food commodity)
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CLASS D – PROCESSED FOODS OF PLANT ORIGIN

Group 069: Miscellaneous derived edible products of plant origin	DM 3527 Tomato, ketchup
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2. Fluazinam (306) (~~333~~)

- 2.1 JMPR (2023) assigned a new ID number to fluazinam. JMPR (2018) evaluated this compound and assigned an ID number of 306. In order to keep consistency between the Codex and JMPR lists of pesticides, the ID number 333 now remains free. JMPR (2024) should consider assigning this number (i.e., 333) to a new compound.
- 2.2 The Codex list of pesticides currently goes from 1-332, 333 [free], 334-337.

Action required:

- 2.3 CCPR is invited to request JMPR (2024) to assign ID 333 to a new compound in view that JMPR (2017) already assigned an ID 306 to fluazinam. This will also allow consistency between the CCPR and JMPR lists of compounds.

3. Consideration of Guideline Levels (GLs)

- 3.1 Guideline Levels (GLs) are elaborated by CCPR up to Step 4 of the Procedure and held there pending "acceptable daily intakes" or "temporary acceptable intakes" being estimated for the pesticides in question by JMPR. **GLs do not represent Codex recommendations.**
- 3.2 In view of the above, CCPR is invited to discontinue the practice of assigning "GLs" to MRLs retained at Step 4 for those compounds listed in Part III of this document. This practice gives a misleading impression that GLs may have a different status from other MRLs retained in the Step Procedure.
- 3.3 The compounds and their respective GLs, can then be regularly listed in the report of CCPR in the Appendix dedicated to MRLs retained at Step 4. This will also align with current practice in CCPR to simply retain MRLs at Step 4 with the accompanying background information to enable proper follow-up and further action by CCPR/JMPR with respect to the compounds and/or MRLs involved.
- 3.4 As a result, Part III of this document will be discontinued and GLs will be assigned "at Step 4" in the Codex Database for MRLs for pesticides.

Action required:

- 3.5 CCPR is invited to:
 - convert "GLs" into "MRLs retained at Step 4" for compounds listed in Part III of this document i.e., Methyl Bromide (52) and Guazatine (114);
 - discontinue the practice of assigning GLs to MRLs retained at Step 4;
 - adjust the Codex Database for Pesticides accordingly; and
 - inform CAC of this decision.

4. MRLs for okra, martynia and roselle

- 4.1 CCPR54 (2023) noted that the Subgroup 12B of peppers including okra should be applied while further data are generated (i.e. similar use pattern for okra and chili pepper/side-by-side trials) to allow for a more robust assessment by JMPR and a future decision on the appropriate classification for okra. CCPR thus concluded to keep okra in Subgroup 12B in the revised *Classification of Food and Feed* (CXA 4-1989), awaiting data generation for review by JMPR. Based on this decision, CCPR54 agreed to take the risk management decision to remove the parenthetical qualifier statement “except okra, martynia and roselle” from any relevant entry of MRLs or CXLs in the Codex database awaiting new residue trial data that could allow JMPR to complete its evaluation. This decision was taken, taking into account the evaluation by the 2022 JMPR, that there might be uncertainties for producers and importers to the level of residues in okra compared to pepper. There was therefore a need for residue trial data to confirm classification and representative commodities for okra, martynia and roselle. Meanwhile, the indicated CXLs are provisionally applied. It was also agreed to add a note to the CXL and to the CCPR remarks to further clarify the situation of these CXLs (REP23/PR54, paragraphs 51, 53, 61, 73, 76).
- 4.2 Consequential amendments to CXLs for peppers groups and subgroups to implement the decision taken by CCPR on MRLs for okra was subsequently made by CCPR54 for the relevant compounds as reflected in REP23/PR54-Appendix VII.
- 4.3 In line with the decision to amend CXLs for peppers groups and subgroups, when considering the compound Tetraniliprole (324), CCPR54 agreed to advance an MRL for VO 0050 Fruiting vegetables, other than cucurbits (group) at 0.4 mg/kg for final adoption by CAC and to remove the parenthetical qualifier statement “except okra, martynia and roselle” (REP23/PR54, paragraph 159, Appendix II).
- 4.4 The *Classification of Food and Feed* identifies Group 12 for Fruiting vegetables, other than cucurbits which is divided in Subgroup 12A (Tomatoes), Subgroup 12B (Pepper and pepper-like commodities) and Subgroup 12C (Eggplant and eggplant-like commodities). Group 12 = VO 0050 Fruiting vegetables, other than cucurbits includes all commodities in this group, and therefore, it includes Group 12B = VO 0051 Peppers (Subgroup).
- 4.5 There are a number of CXLs for VO 0050 Fruiting vegetables other than cucurbits that CCPR may consider applying the same decision made at its 54th Session for clarity and consistency as follows:
- Pydiflumetofen (309) has a CXL for VO 0050 that explicitly excludes okra, martynia and roselle.
 - Other compounds have CXLs for VO 0050 but they do not explicitly exclude these commodities i.e., Diquat (031); Paraquat (57); Pirmicarb (101); Triadimefon (133); Cyhalothrin (includes lambda-cyhalothrin) (146); Triadimenol (168); Cyromazine (169); Cyprodinil (207); Novaluron (217); Boscalid (221); Difenconazole (224); Dimethomorph (225); Azoxystrobin (229); Chlorantraniliprole (230); Spirotetramat (234); Fluopicolide (235); Clothianidin (238); Thiamethoxam (245); Acetamiprid (246); Emamectin benzoate (247); Sulfoxaflor (252); Penthiopyrad (253); Dinotefuran (255); Fluxapyroxad (256); Ametoctradin (260); Benzovindiflupyr (261); Cyantraniliprole (263); Fenamidone (264); Fluensulfone (265); Dichlobenil (274); Flonicamid (282); Flumioxazin (284); Oxathiapiprolin (219); Pendimethalin (292)
- 4.6 In addition, there are two CXLs for VO 0051 Peppers (Subgroup) i.e., Pyrethrins (063) and Permethrin (120), that may require to indicate “MRL provisionally applies to okra, martynia, and roselle” although the CXLs do not explicitly exclude okra, martynia, and roselle. However, when CCPR54 implemented the consequential amendment to the CXLs for VO 0051, not all the CXLs specifically excludes okra, martynia and roselle yet the specific wording “MRL provisionally applies to okra, martynia, and roselle” was consistently applied across the CXLs related to this subgroup.

Action required:

- 4.7 CCPR is invited to consider applying the wording “MRL provisionally applies to okra, martynia, and roselle” to CXLs for the following groups/subgroups for clarity and consistency with the decision taken at CCPR54 (2023):
- VO 0051 Peppers (Subgroup) for Pyrethrins (063) and Permethrin (120) which do not specifically excludes okra, martynia, and roselle from the CXL.
 - VO 0050 Fruiting vegetables, other than cucurbits for Pydiflumetofen (309) which specifically excludes okra, martynia, and roselle from the CXL.
 - VO 0050 Fruiting vegetables, other than cucurbits for the compounds listed in paragraph 4.6 which do not specifically excludes okra, martynia, and roselle from the CXLs.

COMPOUNDS FOR ARISING FROM THE JMPR REGULAR MEETING HELD IN 2023 FOR CONSIDERATION BY CCPR53

The list of JMPR evaluations (Residues/Toxicology) can be found in Annex 2 of JMPR reports: Index of reports and evaluations of pesticides by JMPR. The report of the JMPR meeting held in 2023 is available from the [FAO](#) and [WHO](#) websites.

Agenda Item 5b Responses to specific concerns raised by CCPR

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|------------------|----------------------------|
| 1. 103 Phosmet | 3. 216 Indoxacarb |
| 2. 138 Metalaxyl | 4. 320 Mefentrifluconazole |

Agenda Item 6 MRLs at Step 4 and 7 of the Step Procedure

Additional/New/Other evaluations (other than periodic reviews and new compounds)

062 Piperonyl butoxide (R)	246 Acetamiprid (R)
063 Pyrethrins (R)	263 Cyantraniliprole (R)
118 Cypermethrin (R)	267 Imazapyr (R)
130 Diflubenzuron (R)	273 Cyflumetofen (R)
135 Deltamethrin (R)	255 Dinotefuran (R)
160 Propiconazole (R)	247 Emamectin benzoate (T)
221 Boscalid (R)	291 Oxathiapiprolin (R)
224 Difenoconazole (R)	330 Isoflucypram (T,R)
238 Clothianidin (R)	306 Fluazinam (T,R)
243 Fluopyram (R)	324 Tetraniliprole (R)
245 Thiamethoxam (see also 238 Clothianidin) (R)	317 Triflumuron

Periodic review of compounds

072 Carbendazim (T, R)	120 Permethrin (T,R)
077 Thiophanate-methyl (077) (T,R)	142 Prochloraz (T,R)
096 Carbofuran (T,R)	145 Carbosulfan (T,R)
111 Iprodione (T,R)	

New compounds

331 1,4-Dimethylnaphthalene (T,R)	335 Isotianil (T,R)
332 Florypicoxamid (T,R)	336 Mepiquat chloride (T,R)
334 Isocycloseram (T,R)	337 Tricyclazole (T,R)

MRLs RETAINED AT 7

138 Metalaxyl

MRLs RETAINED AT 4

027 Dimethoate	202 Fipronil
055 Dimethoate	248 Futriafol
138 Metalaxyl	320 Tetraniliprole
178 Bifenthrin	

The following information is also provided:

Explanatory Notes

Table 1	List of pesticides whose MRLs(CXLs) or GLs have been deleted by the Codex Alimentarius Commission and for which no MRLs have been proposed
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Indices of Pesticides

Part I	List of maximum residue limits for pesticides in food and feed (at various Steps of the Codex Procedure)
Part II	List of extraneous maximum residue limits for pesticides in food and animal feeds (at various Steps of the Codex Procedure)
Part III	List of pesticides for which guideline levels have been set

EXPLANATORY NOTES

1. DATES OF ESTIMATION OF ACCEPTABLE DAILY INTAKES (ADIs), TEMPORARY ACCEPTABLE DAILY INTAKES (TADIs), PROVISIONAL TOLERABLE DAILY INTAKES (PTDIs) AND ACUTE REFERENCE DOSES (ACUTE RfD)

ADIs/PTDIs/Acute RfD	The Year of estimation or confirmation is shown in parentheses.
TADIs	The period from the year of estimation or most recent extension to the year by which data needed for the estimation of a full ADI are required is shown in parentheses.

2. QUALIFICATION OF MRLS

(*)	(following MRLs)	: At or about the limit of quantification.
(dw)	(following MRLs)	: Dry weight
E	(following MRLs)	: The MRL based on extraneous residues.
EMRL	(as heading)	: Extraneous Maximum Residue Limit.
F	(following MRLs for milk)	: The residue is fat soluble and MRLs for milk and milk products are derived as explained in the introductions to Volume 2 of the <i>Codex Alimentarius</i> . The 2004 JMPR decided that, for fat-soluble pesticides, two maximum residue levels will be estimated, if data permit: one for whole milk and one for milk fat. For enforcement purposes, a comparison can be made either of the residue in milk fat with the MRL for milk (fat) or of the residue in whole milk with the MRL for milk (for details see: Report of the JMPR 2004, "2.7 Revisited: MRLs for fat-soluble pesticides in milk and milk products", pages 24-25.
(fat)	(following MRLs for meat)	: The MRL applies to the fat of the meat.
GL	(as heading)	: Guideline Level. GLs are elaborated by the CCPR up to Step 4 of the Procedure and held there pending "acceptable daily intakes" or "temporary acceptable intakes" being estimated for the pesticides in question by the JMPR. GLs do not represent Codex recommendations.
Po	(following (T) MRLs)	: The MRL accommodates post-harvest treatment of the commodity.
PoP	(following (T)MRLs for processed foods (Classes D and E in the Classification))	: The MRL accommodates post-harvest treatment of the primary food commodity.
T	(following MRL)	: The MRL is temporary, irrespective of the status of the ADI, until required information has been provided and evaluated.
TMRL	(as heading)	: All MRLs are temporary because the ADI is temporary.

3. STEP NUMBERS

- CXL-D** : Recommend to the Codex Alimentarius Commission to delete the CXL, pending decision by the Commission.
- MRL-W** : Recommend to the Codex Alimentarius Commission to delete the Draft and Proposed Draft Maximum Residue Limits, pending decision by the Commission.
- 1** : Recommendation of priority compounds by CCPR, involving the Ad Hoc Working group on Priorities.
- 2** : First evaluation of the compound by the Joint FAO/WHO Meeting on Pesticide Residues; estimation of an ADI and of MRLs (draft MRLs or proposed Codex MRLs).
- 3** : Submission of the proposed Codex MRLs to governments for a first round of comments.
- 4** : First discussion of the proposed MRLs by the CCPR in the light of the comments received.
- 5** : Submission of the proposed Codex MRLs to the Codex Alimentarius Commission in the light of the CCPR-discussion, for consideration.
- 6** : Submission of the proposed Codex MRLs to governments for a second round of comments.
- 7** : Final discussion of the proposed Codex MRLs by the CCPR in the light of comments received.
- 8** : Consideration by the CAC in view of adoption of the proposal as Codex MRL (CXL).
- 5/8** : The proposed codex MRL is submitted to the Commission at Step 5; as there seems to be no controversy and no need for further discussion at Steps 6 and 7, omission of these Steps is recommended to the Commission.
- (a) (following Step number) : The MRL is a proposed amendment to a CXL.

4. REFERENCES

References are normally given only for those MRLs which are due for further discussion within the CCPR. They are therefore given only exceptionally for MRLs which are CXLs or are at Step 8, 5A, or 5/8. References are indicated in the example shown below:

Commodity		(T)MRL	Step	References	
No	Name	(mg/kg)		JMPR	CCPR
(1)	(1)			69, 70 (2) (3)	20.131: 21.172 (4) (5)

- (1) : Code Number and Name of Commodity - Reference to the Codex Classification of Foods and Animal Feeds (CAC/MISC 4-1993).
- (2) : Year in which limit was first estimated. Note that it is not necessarily the year when the (T) MRL was first recommended, because the limit may have been recorded originally as a Guideline Level and converted to a (T) MRL when a (T) ADI was estimated.
- (3) : Year(s) of subsequent review(s) (of new or original data or both) unless the review resulted in a revised estimate.
- (4) : No of Session of CCPR at which recommendation was discussed. The document numbers of the relevant reports are listed below.
- (5) : No of paragraph in CCPR report.

5. JMPR EVALUATIONS

- T : Toxicological Evaluation
- R : Residue Evaluation
- only year : Both toxicological and residue evaluations
- after year : Periodic Review
- brackets : Tentative year for JMPR evaluation

6. Reports of CCPR Sessions

Session No.	Year	Document Reference No.	Session No.	Year	Document Reference No.
1	1966	ALINORM 66/24	28	1996	ALINORM 97/24
2	1967	ALINORM 68/24	29	1997	ALINORM 97/24A
3	1968	ALINORM 69/24	30	1998	ALINORM 99/24
4	1969	ALINORM 70/24	31	1999	ALINORM 99/24A
5	1970	ALINORM 71/24	32	2000	ALINORM 01/24
6	1972	ALINORM 72/24A	33	2001	ALINORM 01/24A
7	1974	ALINORM 74/24	34	2002	ALINORM 03/24
8	1975	ALINORM 76/24	35	2003	ALINORM 03/26A
9	1977	ALINORM 78/24	36	2004	ALINORM 04/27/24
10	1978	ALINORM 79/24	37	2005	ALINORM 05/28/24
11	1979	ALINORM 79/24A	38	2006	ALINORM 06/29/24
12	1980	ALINORM 81/24	39	2007	ALINORM 07/30/24
13	1981	ALINORM 83/24	40	2008	ALINORM 08/31/24
14	1982	ALINORM 83/24A	41	2009	ALINORM 09/32/24
15	1983	ALINORM 85/24	42	2010	ALINORM 10/33/24
16	1984	ALINORM 85/24A	43	2011	REP11/PR43
17	1985	ALINORM 85/24B	44	2012	REP12/PR44
18	1986	ALINORM 87/24	45	2013	REP13/PR45
19	1987	ALINORM 87/24A	46	2014	REP14/PR46
20	1988	ALINORM 89/24	47	2015	REP15/PR47
21	1989	ALINORM 89/24A	48	2016	REP16/PR48
22	1990	ALINORM 91/24	49	2017	REP17/PR49
23	1991	ALINORM 91/24A	50	2018	REP18/PR50
24	1992	ALINORM 93/24	51	2019	REP19/PR51
25	1993	ALINORM 93/24A	52	2021	REP21/PR52
26	1994	ALINORM 95/24	53	2022	REP22/PR53
27	1995	ALINORM 95/24A	54	2023	REP23/PR54

6. CLASSIFICATION OF USES

1	Acaricide	12	Molluscicide
2	Aphicide	13	Miticide
4	Fumigant	14	Nematicide
5	Fungicide	16	Plant Growth Regulator
7	Herbicide	17	Rodenticide
8	Insecticide	18	Repellant
9	Insect Growth Regulator	20	Synergist
10	Ixodicide (for tick control)	21	Storage Scald Preventer
11	Larvicide	22	Scald Control Agent

INDEX OF PESTICIDES IN ALPHABETICAL ORDER

ABAMECTIN (177)	CAPTAN (7)	DEMETON-S-METHYLSULPHON (164)
ACEPHATE (95)	CARBARYL (8)	DIALIFOS (98)
ACETAMIPRID (246)	CARBENDAZIM (72)	DIAZINON (22)
ACETOCHLOR (280)	CARBOFURAN (96)	1,2-DIBROMOETHANE (23)
ACIBENZOLAR-S-METHYL (288)	CARBON DISULPHIDE (9)	DICAMBA (240)
AFIDOPYROPEN (312)	CARBON TETRACHLORIDE (10)	DICHOFLUANID (82)
ALDICARB (117)	CARBOPHENOTHION (11)	1,2-DICHLOROETHANE (24)
ALDRIN AND DIELDRIN (1)	CARBOSULFAN (145)	DICHOLOBENIL (274)
AMETOCTRADIN (260)	CARTAP (97)	DICHLORVOS (25)
AMINOCARB (134)	CHINOMETHIONAT (80)	DICLORAN (83)
AMINOCYCLOPYRACHLOR (272)	CHLORANTRANILIPROLE (230)	DICOFOL (26)
AMINOMETHYL PHOPHONIC ACID (AMPA) (198)	CHLORDANE (12)	DIFENOCONAZOLE (224)
AMINOPYRALID (220)	CHLORDIMEFORM (13)	DIFLUBENZURON (130)
AMITRAZ (122)	CHLORFENAPYR (254)	DIMETHENAMID-P (214)
AMITROLE (79)	CHLORFENVINPHOS (14)	DIMETHIPIN (151)
ANILAZINE (163)	CHLORMEQUAT (15)	DIMETHOATE (27)
AZINPHOS-ETHYL (68)	CHLOROBENZILATE (16)	DIMETHOMORPH (225)
AZINPHOS-METHYL (2)	CHLOROTHALONIL (81)	1,4-DIMETHYLNAPHTHALENE (331)
AZOCYCLOTIN (129)	CHLORPROPHAM (201)	DINOCAP (87)
AZOXYSTROBIN (229)	CHLORPYRIFOS (17)	DINOTEFURAN (255)
BENALAXYL (155)	CHLORPYRIFOS-METHYL (90)	DIOXATHION (28)
BENDIOCARB (137)	CIPRODINIL (207)	DIPHENYL (29)
BENOMYL (69)	CLETHODIM (187)	DIPHENYLAMINE (30)
BENTAZONE (172)	CLOFENTEZINE (156)	DIQUAT (31)
BENZOVINDIFLUPYR (261)	CLOTHIANIDIN (238)	DISULFOTON (74)
BENZPYRIMOXAN (325)	COUMAPHOS (18)	DITHIANON (180)
BETA CYFLUTHRIN (228)	CRUFOMATE (19)	DITHIOCARBAMATES (105)
BICYCLOPYRONE (295)	CYANOFENPHOS (91)	DODINE (84)
BIFENAZATE (219)	CYANTRANILIPROLE (263)	EDIFENPHOS (99)
BIFENTHRIN (178)	CYAZOFAMID (281)	EMAMECTIN BENZOATE (247)
BINAPACRYL (3)	CYCLANILIPROLE (296)	ENDOSULFAN (32)
BIORESMETHRIN (93)	CYCLOXYDIM (179)	ENDRIN (33)
BITERTANOL (144)	CYFLUMETOFEN (273)	ESFENVALERATE (204)
BIXAFEN (262)	CYFLUTHRIN (157)	ETHEPHON (106)
BOSCALID (221)	CYHALOTHRIN (146)	ETHIOFENCARB (107)
BROFLANILIDE (326)	CYHEXATIN (67)	ETHION (34)
BROMIDE ION (47)	CYPERMETHRIN (118)	ETHIPROLE (304)
BROMOPHOS (4)	CYPROCONAZOLE (239)	ETHOPROPHOS (149)
BROMOPHOS-ETHYL (5)	CYPRODINIL (207)	ETHOXYQUIN (35)
BROMOPROPYLATE (70)	CYROMAZINE (169)	ETHYLENE THIOUREA (ETU) (108)
BUPROFEZIN (173)	DAMINOZIDE1 (4)	ETOFENPROX (184)
BUTOCARBOXIM (139)	2,4-D (20)	ETOXAZOLE (241)
CADUSAFOS (174)	DDT (21)	ETRIMFOS (123)
CAMPHECHLOR (71)	DELTAMETHRIN (135)	FAMOXADONE (208)
CAPTAFOL (6)	DEMETON (92)	FENAMIPHOS (85)
	DEMETON-S-METHYL (73)	FENAMIDONE (264)

FENARIMOL (192)	HEXYTHIAZOX (176)	METRAFENONE (278)
FENAZAQUIN (297)	HYDROGEN CYANIDE (45)	MEVINPHOS (53)
FENBUCONAZOLE (197)	HYDROGEN PHOSPHIDE (46)	MONOCROTOPHOS (54)
FENBUTATIN OXIDE (109)	IMAZALIL (110)	MYCLOBUTANIL (181)
FENCHLORPHOS (36*)	IMAZAMOX (276)	NATAMYCIN (300)
FENHEXAMID (215)	IMAZAPIC (266)	NITROFEN (140)
FENITROTHION (37)	IMAZAPYR (267)	NORFLURAZON (308)
FENPICOXAMID (305)	IMAZETHAPYR (289)	NOVALURON (217)
FENPROPATHRIN (185)	IMIDACLOPRIDE (206)	OMETHOATE (55)
FENPROPIMORPH (188)	INDOXACARB (216)	OXAMYL (126)
FENPYRAZAMINE (298)	INPYRFLUXAM (329)	OXATHIAPIPROLIN (291)
FENPYROXIMATE (193)	IPRODIONE (111)	OXYDEMETON-METHYL (166)
FENSULFOTHION (38)	ISOCYCLOSERAM (334)	PACLOBUTRAZOL (161)
FENTHION (39)	ISOFENPHOS (131)	PARAQUAT (57)
FENTIN (40)	ISOFETAMID (290)	PARATHION (58)
FENVALERATE (119)	ISOFUCYPRAM (330)	PARATHION-METHYL (59)
FIPRONIL (202)	ISOPROTHIOLANE (299)	PENCONAZOLE (182)
FLONICAMID (282)	ISOPYRAZAM (249)	PENDIMETHALIN (292)
FLORYLPICOXAMID (332)	ISOTIANIL (335)	PENTHIOPYRAD (253)
FLUAZIFOP-P-BUTYL (283)	ISOXAFLUTOLE (268)	PERMETHRIN (120)
FLUAZAINDOLIZINE (327)	KRESOXIM-METHYL (199)	PHENOTHRIN (127)
FLUAZINAM (306)	LEPTOPHOS (88)	PHENTHOATE (128)
FLUBENDIAMIDE (242)	LINDANE (48)	2-PHENYLPHENOL (56)
FLUCYTHRINATE (152)	LUFENURON (286)	PHORATE (112)
FLUDIOXONIL (211)	MALATHION (49)	PHOSALONE (60)
FLUENSULFONE (265)	MALEIC HYDRAZIDE (102)	PHOSMET (103)
FLUFENOXURON (275)	MANCOZEB (50)	PHOSPHAMIDON (61)
FLUINDAPYR (328)	MANDESTROBIN (307)	PHOSPHONIC ACID (301)
FLUMETHRIN (195)	MANDIPROPAMID (231)	PHOXIM (141)
FLUMIOXAZIN (284)	MCPA (257)	PICOXYSTROBIN (258)
FLUOPICOLIDE (235)	MECARBAM (124)	PINOXADEN (293)
FLUOPYRAM (243)	MEFENTRIFLUCONAZOLE (320)	PIPERONYL BUTOXIDE (62)
FLUPYRADIFURONE (285)	MEPIQUAT CHLORIDE (336)	PIRIMICARB (101)
FLUSILAZOLE (165)	MEPTYLDINOCAP (244)	PIRIMIPHOS-METHYL (86)
FLUTIANIL (319)	MESOTRIONE (277)	PROCHLORAZ (142)
FLUTOLANIL (205)	METAFLUMIZONE (236)	PROCYMIDONE (136)
FLUTRIAFOL (248)	METALAXYL (138)	PROFENOFOS (171)
FLUXAPYROXAD (256)	METALAXYL-M (212)	PROPAMOCARB (148)
FOLPET (41)	METCONAZOLE (313)	PROPARGITE (113)
FORMOTHION (42)	METHACRIFOS (125)	PROPHAM (183)
FOSETYL AL (302)	METHAMIDOPHOS (100)	PROPICONAZOLE (160)
GLUFOSINATE-AMMONIUM (175)	METHIDATHION (51)	PROPOXUR (75)
GLYPHOSATE1 (58)	METHIOCARB (132)	PROPYLENE OXIDE (250)
GUAZATINE (114)	METHOMYL (94)	PROPYLENE THIOUREA (PTU) (150)
HALOXYFOP (194)	METHOPRENE (147)	PROTHIOCONAZOLE (232)
HEPTACHLOR (43)	METHOXYFENOZIDE (209)	PYDIFLUMETOFEN (309)
HEXACHLOROBENZENE (44)	METHYL BROMIDE (52)	PYFLUBUMIDE (314)
HEXACONAZOLE (170)	METIRAM (186)	PYMETROZINE (279)

PYRACLOSTROBIN (210)	TRIFLUMIZOLE (270)
PYRASULFOTOLE (321)	TRIFLUMURON (317)
PYRAZOPHOS (153)	TRIFORINE (116)
PYRAZIFLUMID (322)	TRINEXAPAC-ETHYL (271)
PYRETHRINS (63)	VALIFENALATE (318)
PYRIDATE (315)	VAMIDOTHION (78)
PYRIFLUQUINAZON (316)	VINCLOZOLIN (159)
PYRIMETHANIL (226)	ZOXAMIDE (227)
PYRIOFENONE (310)	
PYRIPROXYFEN (200)	
QUINCLORAC (287)	
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QUINTOZENE (64)	
SAFLUFENACIL (251)	
SEC-BUTYLAMINE (89)	
SEDAXANE (259)	
SPINETORAM (233)	
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SPIRODICLOFEN (237)	
SPIROMESIFEN (294)	
SPIROPIDION (323)	
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SULFURYL FLUORIDE (218)	
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TETRANILIPROLE (324)	
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THIAMETHOXAM (245)	
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TRIFLUMEZOPYRIM (303)	

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3	BINAPACRYL	49	MALATHION	95	ACEPHATE
4	BROMOPHOS	50	MANCOZEB	96	CARBOFURAN
5	BROMOPHOS-ETHYL	51	METHIDATHION	97	CARTAP
6	CAPTAFOL	52	METHYL BROMIDE	98	DIALIFOS
7	CAPTAN	53	MEVINPHOS	99	EDIFENPHOS
8	CARBARYL	54	MONOCROTOPHOS	100	METHAMIDOPHOS
9	CARBON DISULPHIDE	55	OMETHOATE	101	PIRIMICARB
10	CARBON TETRACHLORIDE	56	2-PHENYLPHENOL	102	MALEIC HYDRAZIDE
11	CARBOPHENOTHION	57	PARAQUAT	103	PHOSMET
12	CHLORDANE	58	PARATHION	104	DAMINOZIDE
13	CHLORDIMEFORM	59	PARATHION-METHYL	105	DITHIOCARBAMATES
14	CHLORFENVINPHOS	60	PHOSALONE	106	ETHEPHON
15	CHLORMEQUAT	61	PHOSPHAMIDON	107	ETHIOFENCARB
16	CHLOROBENZILATE	62	PIPERONYL BUTOXIDE	108	ETHYLENE THIOUREA (ETU)
17	CHLORPYRIFOS	63	PYRETHRINS	109	FENBUTATIN OXIDE
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44	HEXACHLOROBENZENE	90	CHLORPYRIFOS-METHYL	136	PROCYMIDONE
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142	PROCHLORAZ	189	TEBUCONAZOLE	236	METAFLUMIZONE
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146	CYHALOTHRIN	193	FENPYROXIMATE	240	DICAMBA
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148	PROPAMOCARB	195	FLUMETHRIN	242	FLUBENDIAMIDE
149	ETHOPROPHOS	196	TEBUFENOZIDE	243	FLUOPYRAM
150	PROPYLENE THIOUREA (PTU)	197	FENBUCONAZOLE	244	MEPTYLDINOCAP
151	DIMETHIPIN	198	AMINOMETHYL PHOPHONIC ACID (AMPA)	245	THIAMETHOXAM
152	FLUCYTHRINATE	199	KRESOXIM-METHYL	246	ACETAMIPRID
153	PYRAZOPHOS	200	PYRIPROXYFEN	247	EMAMECTIN BENZOATE
154	THIODICARB	201	CHLORPROPHAM	248	FLUTRIAFOL
155	BENALAXYL	202	FIPRONIL	249	ISOPYRAZAM
156	CLOFENTEZINE	203	SPINOZAD	250	PROPYLENE OXIDE
157	CYFLUTHRIN	204	ESFENVALERATE	251	SAFLUFENACIL
158	GLYPHOSATE	205	FLUTOLANIL	252	SULFOXAFLOL
159	VINCLOZOLIN	206	IMIDACLOPRID	253	PENTHIOPYRAD
160	PROPICONAZOLE	207	CYPRODINIL	254	CHLORFENAPYR
161	PACLOBUTRAZOL	208	FAMOXADONE	255	DINOTEFURAN
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164	DEMETON-S- METHYLSULPHON	211	FLUDIOXONIL	258	PICOXYSTROBIN
165	FLUSILAZOLE	212	METALAXYL-M	259	SEDAXANE
166	OXYDEMETON-METHYL	213	TRIFLOXYSTROBIN	260	AMETOCTRADIN
167	TERBUFOS	214	DIMETHENAMID-P	261	BENZOVINDIFLUPYR
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179	CYCLOXYDIM	226	PYRIMETHANIL	273	CYFLUMETOFEN
180	DITHIANON	227	ZOXAMIDE	274	DICHOLOBENIL
181	MYCLOBUTANIL	228	BETA CYFLUTHRIN	275	FLUFENOXURON
182	PENCONAZOLE	229	AZOXYSTROBIN	276	IMAZAMOX
183	PROPHAM	230	CHLORANTRANILIPROLE	277	MESOTRIONE
184	ETOFENPROX	231	MANDIPROPAMID	278	METRAFENONE
185	FENPROPATHRIN	232	PROTHIOCONAZOLE	279	PYMETROZINE
				280	ACETOCHLOR

281	CYAZOFAMID	329	INPYRFLUXAM
282	FLONICAMID	330	ISOFLUCYPRAM
283	FLUAZIFOP-P-BUTYL	331	1,4-DIMETHYLNAPHTHALENE
284	FLUMIOXAZIN	332	FLORYLPICOXAMID
285	FLUPYRADIFURONE	333	NEW COMPOUND TO BE ASSIGNED BY JMPR (2024)
286	LUFENURON	334	ISOCYCLOSERAM
287	QUINCLORAC	335	ISOTIANIL
288	ACIBENZOLAR-S-METHYL	336	MEPIQUAT CHLORIDE
289	IMAZETHAPYR	337	TRICYCLAZOLE
290	ISOFETAMID		
291	OXATHIPIPROLIN		
292	PENDIMETHALIN		
293	PINOXADEN		
294	SPIROMESIFEN		
295	BICYCLOPYRONE		
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297	FENAZAQUIN		
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299	ISOPROTHIOLANE		
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304	ETHIPROLE		
305	FENPICOXAMID		
306	FLUAZINAM		
307	MANDESTROBIN		
308	NORFLURAZON		
309	PYDIFLUMETOFEN		
310	PYRIOFENONE		
311	TIOXAZAFEN		
312	AFIDOPYROPEN		
313	METCONAZOLE		
314	PYFLUBUMIDE		
315	PYRIDATE		
316	PYRIFLUQUINAZON		
317	TRIFLUMURON		
318	VALIFENALATE		
319	FLUTIANIL (319)		
320	MEFENTRIFLUCONAZOLE		
321	PYRASULFOTOLE		
322	PYRAZIFLUMID		
323	SPIROPIDION		
324	TETTRANILIPROLE		
325	BENZPYRIMOXAN		
326	BROFLANILIDE		
327	FLUAZAINDOLIZINE		
328	FLUINDAPYR		

**Table 1. LIST OF PESTICIDES WHOSE MRLs(CXLs) OR GLs HAVE BEEN DELETED
BY THE CODEX ALIMENTARIUS COMMISSION
AND FOR WHICH NO MRLs HAVE BEEN PROPOSED**

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
3	Binapacryl	1987	
4	Bromophos	1991	
5	Bromophos-Ethyl	1991	
6	Captafol	1987	
9	Carbon Disulphide	1991	
10	Carbon Tetrachloride	1991	
11	Carbophenothion	1993	
13	Chlordimeform	1988	
14	Chlorfenvinphos	1999	
16	Chlorobenzilate	1993	
18	Coumaphos	1993	
19	Crufomate	1991	
22	Diazinon	2023	
23	1,2-Dibromoethane	1991	
24	1,2-Dichloroethane	1991	
28	Dioxathion	1991	
29	Diphenyl	1993	
36	Fenchlorphos	1991	
38	Fensulfothion	1995	
40	Fentin	2007	
42	Formothion	1995	
44	Hexachlorobenzene	1986	
45	Hydrogen Cyanide	1995	
47	Bromide Ion	2021	
50	Mancozeb		See Dithiocarbamates
51	Methidathion	2023	
53	Mevinphos	2009	
54	Monocrotophos	1997	
58	Parathion	2003	
61	Phosphamidon	2003	
66	Trichlorfon	1997	

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
68	Azinphos-Ethyl	1987	
69	Benomyl	2003	See Carbendazim
70	Bromopropylate	2021	
71	Camphechlor	1985	
73	Demeton-S-Methyl	1999	See Oxydemeton-Methyl
75	Propoxur	2001	
76	Thiometon	1999	
77	Thiophanate-Methyl	2003	See Carbendazim
78	Vamidotion	2001	
80	Chinomethionat	2001	
82	Dichlofluanid	2016	
83	Dichloran	2021	
88	Leptophos	1979	
89	Sec-Butylamine	1989	
91	Cyanofenphos	1985	
92	Demeton	1987	
93	Bioresmethrin	2016	
97	Cartap	1997	
98	Dialifos	1991	
99	Edifenphos	1997	
104	Daminozide	1993	
107	Ethiofencarb	1995	
108	Ethylene Thiourea	1995	
115	Tecnazene	2016	
121	2,4,5-T	1995	
123	Etrimfos	1997	
124	Mecarbam	2003	
125	Methacrifos	1997	
127	Phenothrin	1999	
128	Phenthoate	1999	
131	Isofenphos	1997	
134	Aminocarb	1985	
136	Procymidone	2011	

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
137	Bendiocarb	2004	
139	Butocarboxim	1991	
140	Nitrofen	1987	
141	Phoxim	1999	
150	Propylene Thiourea (Ptu)	1997	
152	Flucythrinate	2001	
153	Pyrazophos	2001	
154	Thiodicarb		See Methomyl
159	Vinclozolin	2011	
161	Paclobutrazol	2004	
162	Tolyfluanid	2016	
163	Anilazine	2003	
164	Demeton-S-Methylsulphon	1999	See Oxydemeton-Methyl
170	Hexaconazole	2004	
183	Propham	1995	
186	Metiram		See Dithiocarbamates
192	Fenarimol	2021	
198	Aminomethyl Phosphonic Acid (Ampa)	2001	

PART I

LIST OF CODEX MAXIMUM RESIDUE LIMITS (CXLs) AND MAXIMUM RESIDUE LIMITS IN THE STEP PROCEDURE FOR PESTICIDES IN FOOD AND FEED

2 Azinphos-Methyl

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2007)

ARfD: 0.1 mg/kg bw (2007)

Residue: Azinphos-methyl

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0093 Spices	0.5 (*)			CXL		37		2005	

7 Captan

Main Uses: Fungicide

ADI: 0-0.1 mg/kg bw (1984); confirmed (1990, 1995)

ARfD: 0.3 mg/kg bw (for women of child-bearing age) (2007)

Residue: For compliance with MRLs and for estimation of dietary exposure for plant and animal commodities: Captan.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660 Almonds	0.3			CXL	00	34		2003	
FB	0020 Blueberries	20			CXL	94,00	37	28,31,32,34-39	2005	
FS	0013 Cherries (subgroup)	25			CXL	97,00	40	28,31,32,34-39	2008	
VC	0424 Cucumber	3			CXL	00	37	34-36	2005	
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	50			CXL	97,00	40	28,31,32,34-39	2008	
FB	0269 Grapes	25			CXL	97,00	40	28,31,32,34-39	2008	
VC	0046 Melons, except watermelon	10			CXL	00	40	34-39	2008	
FS	0245 Nectarine	3			CXL	94,00	37	28,31,32,34-36	2005	
FS	0247 Peach	20			CXL	00	40	34-39	2008	
FS	0014 Plums (including fresh prunes) (subgroup)	10			CXL	00	40	28,31,32,34-39	2008	
FP	0009 Pome fruits (group)	15	Po		CXL	00	40	34-39	2008	
VR	0589 Potato	0.05			CXL	00	34		2003	
FB	0272 Raspberries, red, black	20			CXL	00	37	34-36	2005	
HS	0193 Spices, roots, and rhizomes	0.05			CXL		43		2011	
FB	0275 Strawberry	15			CXL	94	28		2008	
VO	0448 Tomato	5			CXL	00	40	28,31,32,34-39	2008	

8 Carbaryl

Main Uses: Insecticide

ADI: 0-0.008 mg/kg bw (2001)

ARfD: 0.2 mg/kg bw (2001)

Residue: For compliance with MRLs and for estimation of dietary intake: Carbaryl.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	50		CXL	02	36	35	2004	
VS	0621	Asparagus	15		CXL	02	36	35	2004	
VR	0574	Beetroot	0.1		CXL	02	36	35	2004	
VR	0577	Carrot	0.5		CXL	02	36	35	2004	
FC	0001	Citrus fruits (group)	15		CXL	02	45	35-41	2013	
FB	0265	Cranberry	5		CXL	07	40		2008	
VO	0440	Eggplant	1		CXL	02	36	35	2004	
MO	0098	Kidney of cattle, goats, pigs and sheep	3		CXL	02	36	35	2004	
MO	0099	Liver of cattle, goats, pigs & sheep	1		CXL	02	36	35	2004	
GC	0645	Maize	0.02	(*)	CXL	02	36	35	2004	
AS	0645	Maize fodder (dry)	250		CXL	02	36	35	2004	
OC	0645	Maize oil, crude	0.1		CXL	02	36	35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.05		CXL	02	36	35	2004	
ML	0106	Milks	0.05		CXL	02	36	35	2004	
OC	0305	Olive oil, virgin	25		CXL	02	36	35	2004	
VO	0444	Peppers chili	0.5		CXL	07	40		2008	
HS	0444	Peppers chili, dried	2		CXL	07	40		2008	
VO	0445	Peppers, sweet (including pimento or pimienta)	5		CXL	02	36	35	2004	
CM	1206	Rice bran, unprocessed	170		CXL	02	36	35	2004	
CM	1207	Rice hulls	50		CXL	02	36	35	2004	
AS	0649	Rice, hay and/or straw	120		CXL	02	36	35	2004	
CM	1205	Rice, polished	1		CXL	02	36	35	2004	
AF	1053	Sorghum forage (dry)	50		CXL	02	36	35	2004	
GC	0651	Sorghum grain	10	Po T	CXL		31		1999	
VD	0541	Soya bean (dry)	0.2		CXL	02	35		2003	
AB	0541	Soya bean hulls	0.3		CXL	02	36	35	2004	
OC	0541	Soya bean oil, crude	0.2		CXL	02	36	35	2004	
AL	0541	Soya bean, hay and/or straw	15		CXL	02	36	35	2004	
HS	0191	Spices, fruits, and berries	0.8		CXL		43		2011	
HS	0193	Spices, roots, and rhizomes	0.1		CXL		43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0702 Sunflower seed	0.2			CXL	02	36	35	2004	
OC	0702 Sunflower seed oil, crude	0.05			CXL	02	36	35	2004	
VO	0447 Sweet corn (corn-on-the-cob)	0.1			CXL	02	36	35	2004	
AB	0447 Sweet corn cannery waste	7.4			CXL	02	36	35	2004	
VR	0508 Sweet potato	0.02		(*)	CXL	02	36	35	2004	
FT	0305 Table olives	30			CXL	02	36	35	2004	
VO	0448 Tomato	5			CXL	02	36	35	2004	
JF	0448 Tomato juice	3			CXL	02	36	35	2004	
VW	0448 Tomato paste	10			CXL	02	36	35	2004	
TN	0085 Tree nuts (group)	1			CXL	02	36	35	2004	
VR	0506 Turnip, Garden	1			CXL	02	36	35	2004	
GC	0654 Wheat	2			CXL	02	36	35	2004	
CM	0654 Wheat bran, unprocessed	2			CXL	02	36	35	2004	
CF	1211 Wheat flour	0.2			CXL	02	36	35	2004	
CF	1210 Wheat germ	1			CXL	02	36	35	2004	
AS	0654 Wheat, hay and/or straw	30			CXL	02	36	35	2004	

15 Chlormequat

Main Uses: Plant growth regulator

ADI: 0-0.05 mg/kg bw (1997)

ARfD: 0.05 mg/kg bw (1999)

Residue: For compliance with MRLs and for estimation of dietary exposure for plant and animal commodities: Sum of chlormequat cation.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	2		CXL	2022	54		2023	
AS	0640	Barley, hay and/or straw	200	(dw)	CXL	2022	54		2023	
SO	0691	Cotton seed	0.5		CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)	0.5		CXL	2022	54		2023	
PE	0112	Eggs	0.2		CXL	2022	54		2023	
FB	0269	Grapes	0.04	(*)	CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.1		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.2		CXL	2022	54		2023	
ML	0106	Milks	0.2		CXL	2022	54		2023	
AS	0647	Oat straw and fodder, dry	7	(dw)	CXL	2017	50		2018	
GC	0647	Oats	4		CXL	2017	50		2018	
PF	0111	Poultry fats	0.04	(*)	CXL	2022	54		2023	
PM	0110	Poultry meat	0.04	(*)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.2		CXL	2022	54		2023	
GC	0650	Rye	6		CXL	2017	50		2018	
CM	0650	Rye bran, unprocessed	20		CXL	2017	50		2018	
AS	0650	Rye straw and fodder, dry	20	(dw)	CXL	2017	50		2018	
CF	1251	Rye wholemeal	8		CXL	2017	50		2018	
GC	0653	Triticale	5		CXL	2017	50		2018	
AS	0653	Triticale, hay and/or straw	80	(dw)	CXL	2017	50		2018	
GC	0654	Wheat	4		CXL	2022	54		2023	
CM	0654	Wheat bran, unprocessed	10		CXL	2022	54		2023	
CF	1210	Wheat germ	20		CXL	2022	54		2023	
AS	0654	Wheat, hay and/or straw	200	(dw)	CXL	2022	54		2023	

17 Chlorpyrifos

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (1982), confirmed (1999)

ARfD: 0.1 mg/kg bw (2006)

Residue: For compliance with MRLs and estimation of dietary intake in plant and animal commodities: Chlorpyrifos.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
										<p>The JMPR Secretariat informed that chlorpyrifos (17) and chlorpyrifos-methyl (90) were scheduled together for a periodic evaluation by the 2024 JMPR in response the concern form raised by EU but that the available toxicology dossier for chlorpyrifos was incomplete. As public health concern was expressed in the concern form and it was unlikely that data to complete risk assessment would be available, CCPR agreed to revoke all CXLs. It was further agreed to maintain chlorpyrifos on the periodic review schedule for the 2024 JMPR pending confirmation that a full data package would be available for review (53:36-37). The Observer from AGRO-CARE aisbl confirmed its commitment to provide the necessary data for the periodic review of chlorpyrifos (17) (53:219)</p>

20 2,4-D

Main Uses: Herbicide

ADI: 0-0.01 mg/kg bw for sum of 2,4-D and its salts and esters expressed as 2,4-D (1996)

ARfD: Unnecessary (2001)

Residue: For compliance with MRLs and for estimation of dietary exposure for plant and animal commodities: Sum of 2,4-D.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0018	Berries and other small fruits	0.1		CXL	1998	34	32	2003	
FC	0001	Citrus fruits (group)	1	Po	CXL	2001	36	34,35	2004	
MO	0105	Edible offal (mammalian)	5		CXL	1998	34	32	2003	
PE	0112	Eggs	0.01	(*)	CXL	1998	32		2001	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	400		CXL	1998	34	32	2003	
GC	0645	Maize	0.05		CXL	1998	32		2001	
AS	0645	Maize fodder (dry)	40		CXL	1998	32		2001	
MM	0095	Meat (from mammals other than marine mammals)	0.2		CXL	1998	34	32	2003	
ML	0106	Milks	0.01		CXL	1998	34	32	2003	
FP	0009	Pome fruits (group)	0.01	(*)	CXL	1998	34	32	2003	
VR	0589	Potato	0.2		CXL	1998				
PM	0110	Poultry meat	0.05	(*)	CXL	1998	34	32	2003	
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	1998	34	32	2003	
AS	0649	Rice, hay and/or straw	10		CXL	1998	32		2001	
CM	0649	Rice, husked	0.1		CXL	1998	32		2001	
GC	0650	Rye	2		CXL	1998	32		2001	
GC	0651	Sorghum grain	0.01	(*)	CXL	1998	34	32	2003	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	1998	34	32	2003	
AL	0541	Soya bean, hay and/or straw	0.01	(*)	CXL	1998	34	32	2003	
FS	0012	Stone fruits (group)	0.05	(*)	CXL	1998	32		2001	
GS	0659	Sugar cane	0.05		CXL	1998	32		2001	
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL	1998	32		2001	
TN	0085	Tree nuts (group)	0.2		CXL	1998	32		2001	
GC	0654	Wheat	2		CXL	1998	32		2001	
AS	0654	Wheat, hay and/or straw	100		CXL	1998	32		2001	

25 Dichlorvos

Main Uses: Insecticide

ADI: 0-0.004 mg/kg bw (2011)

ARfD: 0.1 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Dichlorvos.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	12	45		2013	
PE	0112	Eggs	0.01	(*)	CXL	12	45		2013	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	12	45		2013	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	12	45		2013	
ML	0106	Milks	0.01	(*)	CXL	12	45		2013	
PF	0111	Poultry fats	0.01	(*)	CXL	12	45		2013	
PM	0110	Poultry meat	0.01	(*)	CXL	12	45		2013	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	12	45		2013	
GC	0649	Rice	7		CXL	12	45		2013	
CM	1206	Rice bran, unprocessed	15	PoP	CXL	12	45		2013	
CM	0649	Rice, husked	1.5	PoP	CXL	12	45		2013	
CM	1205	Rice, polished	0.15	PoP	CXL	12	45		2013	
HS	0093	Spices	0.1	(*)	CXL		37		2005	
GC	0654	Wheat	7	Po	CXL	12	45		2013	
CM	0654	Wheat bran, unprocessed	15	PoP	CXL	12	45		2013	
CF	1211	Wheat flour	0.7	PoP	CXL	12	45		2013	
CF	1212	Wheat wholemeal	3	PoP	CXL	12	45		2013	

26 Dicofol

Main Uses: Acaricide

ADI: 0-0.002 mg/kg bw (2011)

ARfD: 0.2 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Dicofol (sum of o,p' and p,p' isomers).

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0191	Spices, fruits, and berries	0.1		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.1		CXL		37		2005	
HS	0190	Spices, seeds	0.05 (*)		CXL		37		2005	
DT	1114	Tea, green, black (black, fermented and dried)	40	DDT may be present in tea as a result of its presence as a contaminant in the technical grade dicofol.	CXL	12	45		2013	

27 Dimethoate

Main Uses: Insecticide

ADI: 0-0.001 mg/kg bw (2019, new)

ARfD: 0.02 mg/kg bw (2019)

Residue: For compliance with the MRL for plant and animal commodities: Dimethoate and omethoate (measured and reported separately).

For dietary risk assessment for plant and animal commodities: Sum of dimethoate plus 2.5× omethoate for long-term dietary exposure and the sum of dimethoate plus 10× omethoate for acute dietary exposure.

The residue is not fat-soluble.

Note: JMPR (2019) reaffirmed the ARfD established in 2003. See also omethoate.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0326	Avocado	2		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
VB 0402	Brussels sprouts	0.1		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
VD 2065	Dry beans (subgroup)	0.7		Dimethoate(027)/ Omethoate(055) (except soya bean)	CXL	2022	54		2023	
MO 0105	Edible offal (mammalian)	0.001 (*)		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
PE 0112	Eggs	0.001 (*)		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
MF 0100	Mammalian fats (except milk fats)	0.03		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	2		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
MM 0095	Meat (from mammals other than marine mammals)	0.001 (*)		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
ML 0106	Milks	0.001 (*)		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023	
AB 0004	Orange, dried pulp	5		Dimethoate(027)/ Omethoate(055)	4	2022	54			CCPR agreed to retain the proposed MRLs for oranges, sweet, sour (including orange-like hybrids) (subgroup) and orange pulp, dried, at Step 4, awaiting further consideration by JMPR (54:82-86).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	2		Dimethoate(027)/ Omethoate(055)	4	2022	54		On the basis of the information provided to JMPR (2022) it was concluded that the estimated acute dietary exposure to residues of dimethoate and omethoate for the consumption of commodities in the subgroup of oranges may present a public health concern. CCPR agreed to retain the proposed MRLs for oranges, sweet, sour (including orange-like hybrids) (subgroup) and orange pulp, dried, at Step 4, awaiting further consideration by JMPR (54:82-86).
PF	0111	Poultry fats	0.001	(*)	Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
PM	0110	Poultry meat	0.001	(*)	Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
PO	0111	Poultry, edible offal of	0.001	(*)	Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
SO	0495	Rape seed	0.15		Dimethoate(027)/ Omethoate(055)	8	2022	54		2023
VO	0448	Tomato	0.01	(*)	Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
GC	0654	Wheat	0.06		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
CF	0654	Wheat bran, processed	0.3		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
CF	1210	Wheat germ	0.2		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
AS	0654	Wheat, hay and/or straw	4	(dw)	Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023
VP	0544	Yard-long bean (pods)	0.07		Dimethoate(027)/ Omethoate(055)	CXL	2022	54		2023

30 Diphenylamine

Main Uses: Storage scald preventer

ADI: 0.08 mg/kg bw (1998)

ARfD: Unnecessary (1998)

Residue: Diphenylamine

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	10	Po	CXL	01	35	34	2003	
JF	0226	Apple juice	0.5	PoP	CXL	01	35	34	2003	
MO	1280	Cattle kidney	0.01	(*)	CXL	01	35	34	2003	
MO	1281	Cattle liver	0.05		CXL	01	35	34	2003	
MM	0812	Cattle meat	0.01	(*) (fat)	CXL	01	35	34	2003	
FM	0183	Milk fats	0.01		CXL	08	41		2009	
ML	0106	Milks	0.01	(*)	CXL	08	41		2009	
FP	0230	Pear	5	Po	CXL	01	36	34,35	2004	

31 Diquat

Main Uses: Herbicide

ADI: 0–0.006 mg/kg bw (2013)

ARfD: 0.8 mg/kg bw (2013)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Diquat ion.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.02	(*)	CXL	2013	46		2014	
GC	0640	Barley	5		CXL	2018	51		2019	
AS	0640	Barley, hay and/or straw	40	(dw)	CXL	2018	51		2019	
FT	2352	Cajou (pseudofruit)	0.02	(*)	CXL	2013	46		2014	
FT	0292	Cashew apple	0.02	(*)	CXL	2013	46		2014	
TN	0295	Cashew nut	0.02	(*)	CXL	2013	46		2014	
VD	0524	Chick-pea (dry)	0.9		CXL	2018	51		2019	
FC	0001	Citrus fruits (group)	0.02	(*)	CXL	2013	46		2014	
SB	0716	Coffee beans	0.02	(*)	CXL	2013	46		2014	
VD	2065	Dry beans (subgroup)	0.4		CXL	2018	51		2019	
VD	2066	Dry peas (subgroup)	0.9		CXL	2018	51		2019	
				(except chick-peas, dry)						
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2013, 2018	51	46	2019	
PE	0112	Eggs	0.01	(*)	CXL	2013, 2018	51	46	2019	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.01	(*)	CXL	2013	46		2014	
				(except sweetcorn, fungi and mushrooms)						
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2013, 2018	51	46	2019	
ML	0106	Milks	0.001	(*)	CXL	2013, 2018	51	46	2019	
AL	0072	Pea, hay and/or straw	50		CXL	2013	46		2014	
FP	0009	Pome fruits (group)	0.02	(*)	CXL	2013	46		2014	
VR	0589	Potato	0.1		CXL	2013	46		2014	
PF	0111	Poultry fats	0.01	(*)	CXL	2018	51		2019	
PM	0110	Poultry meat	0.01	(*)	CXL	2013, 2018	51	46	2019	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2013, 2018	51	46	2019	
SO	0495	Rape seed	1.5		CXL	2013	46		2014	
GC	0650	Rye	1.5		CXL	2018	51		2019	
AS	0650	Rye straw and fodder, dry	40	(dw)	CXL	2018	51		2019	
AB	0541	Soya bean hulls	1.5		CXL	2018	51		2019	
FS	0012	Stone fruits (group)	0.02	(*)	CXL	2013	46		2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0275	Strawberry	0.05	(*)	CXL	2013	46		2014	
SO	0702	Sunflower seed	0.9		CXL	2013	46		2014	
GC	0653	Triticale	1.5		CXL	2018	51		2019	
AS	0653	Triticale, hay and/or straw	40	(dw)	CXL	2018	51		2019	

32 Endosulfan

Main Uses: Acaricide and Insecticide

ADI: 0.006 mg/kg bw (1998)

ARfD: 0.02 mg/kg bw (1998)

Residue: For compliance with MRL and for estimation of dietary intake for animal and plant commodities: Sum of alpha endosulfan, beta endosulfan and endosulfan sulfate.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado	0.5		CXL	06	39		2007	
SB	0715	Cacao beans	0.2		CXL	06	39		2007	
SB	0716	Coffee beans	0.2		CXL	06	39		2007	
SO	0691	Cotton seed	0.3		CXL	06	39		2007	
VC	0424	Cucumber	1		CXL	06	39		2007	
FI	0322	Custard apple	0.5		CXL	06	39		2007	
VO	0440	Eggplant	0.1		CXL	06	39		2007	
PE	0112	Eggs	0.03	(*)	CXL	06	39		2007	
TN	0666	Hazelnuts	0.02	(*)	CXL	06	39		2007	
MO	0098	Kidney of cattle, goats, pigs and sheep	0.03	(*)	CXL	06	39		2007	
FI	0343	Litchi	2		CXL	06	39		2007	
MO	0099	Liver of cattle, goats, pigs & sheep	0.1		CXL	06	39		2007	
GC	0669	Macadamia nuts	0.02	(*)	CXL	06	39		2007	
FI	0345	Mango	0.5		CXL	06	39		2007	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL	06	39		2007	
VC	0046	Melons, except watermelon	2		CXL	06	39		2007	
FM	0183	Milk fats	0.1		CXL	06	39		2007	
ML	0106	Milks	0.01		CXL	06	39		2007	
FI	0350	Papaya	0.5		CXL	06	39		2007	
FI	0352	Persimmon, American	2		CXL	06	39		2007	
VR	0589	Potato	0.05	(*)	CXL	06	39		2007	
PM	0110	Poultry meat	0.03	(*)	CXL	06	39		2007	
PO	0111	Poultry, edible offal of	0.03	(*)	CXL	06	39		2007	
VD	0541	Soya bean (dry)	1		CXL	06	39		2007	
OC	0541	Soya bean oil, crude	2		CXL	06	39		2007	
HS	0191	Spices, fruits, and berries	5		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.5		CXL		37		2005	
HS	0190	Spices, seeds	1		CXL		37		2005	
VC	0431	Squash, summer	0.5		CXL	06	39		2007	
VR	0508	Sweet potato	0.05	(*)	CXL	06	39		2007	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DT	1114	Tea, green, black (black, fermented and dried)			CXL		43		2011	
VO	0448	Tomato			CXL		35	32,34	2003	

34 Ethion

Main Uses: Insecticide

ADI: 0.002 mg/kg bw (1990)

ARfD: 0.02 mg/kg bw (2021)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Ethion.

The residue is fat-soluble.

Note: The 2021 Extra Meeting noted that JECFA had reviewed ethion in 2017 for veterinary uses 20182) (JECFA, and established an ARfD of 0.02 mg/kg bw, based on the NOAEL of 0.15 mg/kg bw per day for erythrocyte acetylcholinesterase inhibition in a human volunteer study.

The 2021 Extra Meeting noted that JECFA had identified a potential concern for exposures in pregnant women and had recommended that repeat exposures in high-percentile pregnant consumers or a suitable surrogate population should be addressed.

In the absence of any information provided on ethion and noting that the evaluation procedures used by JECFA and JMPR to establish HBGVs are very similar, the Meeting proposed that the JECFA 2017 conclusions on dietary exposures are used pending a periodic review of ethion by JMPR. A toxicological addendum was not prepared.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0191	Spices, fruits, and berries	5		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.3		CXL		37		2005	
HS	0190	Spices, seeds	3		CXL		37		2005	

35 Ethoxyquin

Main Uses: Scald control agent

ADI: 0-0.005 mg/kg bw (2005)

ARfD: 0.5 mg/kg bw (2005)

Residue: Ethoxyquin

Note: The ADI and the ARfD are applicable to ethoxyquin and its metabolites/degradation products methylethoxyquin (MEQ), dihydroethoxyquin (DHEQ), dehydromethylethoxyquin (DHMEQ) (2005).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0230	Pear	3	Po	CXL	08	41		2009	

37 Fenitrothion

Main Uses: Insecticide

ADI: 0-0.006 mg/kg bw (1988), confirmed (2000)

ARfD: 0.04 mg/kg bw (2000)

Residue: For compliance with MRLs and estimation of dietary intake: Fenitrothion.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	04	40	37-39	2008	
GC	0080	Cereal grains (group)		Po	CXL	07	40	37-39	2008	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	04,07	40	37-39	2008	
PE	0112	Eggs	0.05	(*)	CXL	04,07	40	37-39	2008	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	04,07	40	37-39	2008	
ML	0106	Milks	0.01		CXL	04,07	40	37-39	2008	
PM	0110	Poultry meat	0.05	(*)	CXL	04,07	40	37-39	2008	
CM	1206	Rice bran, unprocessed	40		CXL	07	40	37-39	2008	PoP
VD	0541	Soya bean (dry)	0.01		CXL	07	40		2008	
HS	0191	Spices, fruits, and berries	1		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.1	(*)	CXL		37		2005	
HS	0190	Spices, seeds	7		CXL		37		2005	
CM	0654	Wheat bran, unprocessed	25		CXL	07	40	36-39	2008	

39 Fenthion

Main Uses: Insecticide

ADI: 0.007 mg/kg bw (1995)

ARfD: 0.01 mg/kg bw (1997)

Residue: Sum of fenthion, its oxygen analogue and their sulphoxides and sulphones, expressed as fenthion (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0013	Cherries (subgroup)	2		CXL	95	29		1997	see Citrus fruits.
FC	0001	Citrus fruits (group)	2		CXL					The Committee noted the CXL was based on European GAPs which no longer existed. The Committee agreed to retain the CXL, awaiting the outcome of the periodic review by JMPR scheduled in 2017. (42-29,30)
OC	0305	Olive oil, virgin	1		CXL					see Citrus fruits.
CM	0649	Rice, husked	0.05		CXL	95	29		1997	see Citrus fruits.
FT	0305	Table olives	1		CXL	95	29		1997	see Citrus fruits.

41 Folpet

Main Uses: Fungicide

ADI: 0-0.1 mg/kg bw (1995)

ARfD: 0.2 mg/kg bw (for women of child-bearing age) (2004)

Residue: Folpet

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	97,99	38	33-37	2006	
VC	0424	Cucumber			CXL	99	35	28,33,34	2003	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	97,99	38	28,33-37	2006	
FB	0269	Grapes			CXL	97,99	38	33-37	2006	
VL	0482	Lettuce, head			CXL	99	38	33-37	2006	
VC	0046	Melons, except watermelon			CXL	97,99	35	33,34	2003	
VA	0385	Onion, bulb			CXL	99	35	33,34	2003	
VR	0589	Potato			CXL	99	35	33,34	2003	
FB	0275	Strawberry			CXL	99	38	28,33-37	2006	
VO	0448	Tomato			CXL	97,99	38	33-37	2006	

46 Hydrogen Phosphide

Main Uses: Fumigant

ADI: Not necessary.

ARfD: N/A

Residue: All phosphides, expressed as hydrogen phosphide. Good usage practices should ensure that residues are not present at time of consumption.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SB	0715	Cacao beans	0.01	Po						CXL
GC	0080	Cereal grains (group)	0.1	Po						CXL
DF	0167	Dried fruits	0.01	Po						CXL
DV	0168	Dried vegetables	0.01	Po						CXL
SO	0697	Peanut	0.01	Po						CXL
HS	0093	Spices	0.01	Po						CXL
TN	0085	Tree nuts (group)	0.01	Po						CXL

49 Malathion

Main Uses: Insecticide

ADI: 0-0.3 mg/kg bw (1997)

ARfD: 2 mg/kg bw (2003)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Malathion.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.5			CXL	04	38	37	2006	
VS	0621 Asparagus	1			CXL	99	36	33-35	2004	
VD	0071 Bean (dry)	2			CXL	99	34	33	2003	
VP	0061 Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1			CXL	99	36	33-35	2004	
FB	0020 Blueberries	10			CXL	99	36	33-35	2004	
FS	0013 Cherries (subgroup)	3			CXL	2013	46		2014	
FC	0001 Citrus fruits (group)	7			CXL	04	45	37,38	2013	The Committee noted the CXL was based on European GAPs which no longer existed. The Committee agreed to retain the CXL, awaiting the outcome of the periodic review by JMPR to be considered in 2014 for scheduling. (42-31,32)
SO	0691 Cotton seed	20			CXL	99	38	33-37	2006	
OC	0691 Cotton seed oil, crude	13			CXL	99	38	33-37	2006	
OR	0691 Cotton seed oil, edible	13			CXL	99	38	33-37	2006	
VC	0424 Cucumber	0.2			CXL	99	36	33-35	2004	
FB	0269 Grapes	5			CXL	04	38	37	2006	The Committee noted the CXL was based on European GAPs which no longer existed. The Committee agreed to retain the CXL, awaiting the outcome of the periodic review by JMPR to be considered in 2014 for scheduling. (42-31,32)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0645	Maize			CXL	99	38	33-37	2006	
VL	0485	Mustard greens			CXL	99	36	33-35	2004	
VA	0385	Onion, bulb			CXL	99	36	33-35	2004	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	99	34	33	2003	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
GC	0651	Sorghum grain			CXL	99	38	33-37	2006	
HS	0191	Spices, fruits, and berries			CXL		37		2005	
HS	0193	Spices, roots, and rhizomes			CXL		37		2005	
HS	0190	Spices, seeds			CXL		37		2005	
VL	0502	Spinach			CXL	99	34	33	2003	
VA	0389	Spring onion			CXL	99	36	33,35	2004	
FB	0275	Strawberry			CXL	99				
VO	0447	Sweet corn (corn-on-the-cob)			CXL	99	36	33-35	2004	
VO	0448	Tomato			CXL	99	34	33	2003	
JF	0448	Tomato juice			CXL	99	36	33-35	2004	
VL	0506	Turnip greens			CXL	99	36	33-35	2004	
VR	0506	Turnip, Garden			CXL	99	34	33	2003	
GC	0654	Wheat			CXL	08	41		2009	
CM	0654	Wheat bran, unprocessed			CXL	08	41		2009	
CF	1211	Wheat flour			CXL	00	38	33,35-37	2006	

55 Omethoate

Main Uses: Insecticide

ADI: (See (27) dimethoate for ADI)

ARfD: N/A

Residue: Omethoate. The MRLs apply to residues that may have resulted from the use of formothion, dimethoate or omethoate.

Note: The compound is no longer supported. All CXLs deleted by the CAC in 2003. Omethoate was withdrawn from the Codex list by CCPR 34:95:AppV and consequently recommended for revocation. CAC27 revoked the compound and associated proposed MRLs from the Codex List (ALINORM 04/27/41, Appendix V).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado			CXL	2022	54		2023	
VB	0402	Brussels sprouts			CXL	2022	54		2023	
VD	2065	Dry beans (subgroup)		(except soya bean)	CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)			CXL	2022	54		2023	
PE	0112	Eggs		(*)	CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)			CXL	2022	54		2023	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2022	54		2023	
ML	0106	Milks			CXL	2022	54		2023	
AB	0004	Orange, dried pulp			4	2022	54			CCPR agreed to retain the proposed MRLs for oranges, sweet, sour (including orange-like hybrids) (subgroup) and orange pulp, dried, at Step 4, awaiting further consideration by JMPR (54:82-86).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.02		4	2022	54			On the basis of the information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of dimethoate and omethoate for the consumption of commodities in the subgroup of oranges may present a public health concern. CCPR agreed to retain the proposed MRLs for oranges, sweet, sour (including orange-like hybrids) (subgroup) and orange pulp, dried, at Step 4, awaiting further consideration by JMPR (54:82-86).
PF	0111	Poultry fats	0.001	(*)	CXL	2022	54		2023	
PM	0110	Poultry meat	0.001	(*)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.001	(*)	CXL	2022	54		2023	
SO	0495	Rape seed	0.03		CXL	2022	54		2023	
VO	0448	Tomato	0.01		CXL	2022	54		2023	
GC	0654	Wheat	0.03		CXL	2022	54		2023	
CF	0654	Wheat bran, processed	0.15		CXL	2022	54		2023	
CF	1210	Wheat germ	0.06		CXL	2022	54		2023	
AS	0654	Wheat, hay and/or straw	0.3	(dw)	CXL	2022	54		2023	
VP	0544	Yard-long bean (pods)	0.05		CXL	2022	54		2023	

56 2-Phenylphenol

Main Uses: Fungicide

ADI: 0.4 mg/kg bw (1999)

ARfD: Unnecessary (1999)

Residue: Plant commodities: Sum of 2-phenylphenol and sodium 2-phenylphenate, free and conjugated, expressed as 2-phenylphenol.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0001 Citrus fruits (group)	10	Po		CXL	1999	33		2001	
AB	0001 Citrus pulp, dried	60	PoP		CXL	1999	34	33	2003	
JF	0004 Orange juice	0.5	PoP		CXL	1999	34	33	2003	
FP	0230 Pear	20	Po		CXL	2002	35		2003	

57 Paraquat

Main Uses: Herbicide

ADI: 0-0.005 mg/kg bw mg paraquat ion/kg body weight (2003)

ARfD: 0.006 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Paraquat cation.

Note: No short-term dietary intake was calculated due to insufficient data (JMPR 2003).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	0.01 (*)			CXL	04	38	37	2006	
FI	0030 Assorted tropical and sub-tropical fruits - inedible peel	0.01 (*)			CXL	04	38	37	2006	
FB	0018 Berries and other small fruits	0.01 (*)			CXL	04	38	37	2006	
FC	0001 Citrus fruits (group)	0.02			CXL	04	38	37	2006	
SO	0691 Cotton seed	2			CXL	04	38	37	2006	
MO	0105 Edible offal (mammalian)	0.05			CXL	04	38	37	2006	
PE	0112 Eggs	0.005 (*)			CXL	04	38	37	2006	
VC	0045 Fruiting vegetables, cucurbits (group)	0.02			CXL	04	38	37	2006	
VO	0050 Fruiting vegetables, other than cucurbits (group)	0.05			CXL	04	38	37	2006	
DH	1100 Hops, dry	0.1			CXL	04	38	37	2006	
VL	0053 Leafy vegetables (group)	0.07			CXL	04	38	37	2006	
GC	0645 Maize	0.03			CXL	04	38	37	2006	
CF	1255 Maize flour	0.05			CXL	04	38	37	2006	
AS	0645 Maize fodder (dry)	10	dry wt		CXL	04	38	37	2006	
MM	0095 Meat (from mammals other than marine mammals)	0.005			CXL	04	38	37	2006	
ML	0106 Milks	0.005 (*)			CXL	04	38	37	2006	
FP	0009 Pome fruits (group)	0.01 (*)			CXL	04	38	37	2006	
PM	0110 Poultry meat	0.005 (*)			CXL	04	38	37	2006	
PO	0111 Poultry, edible offal of	0.005 (*)			CXL	04	38	37	2006	
VD	0070 Pulses (group)	0.5			CXL	04	38	37	2006	
GC	0649 Rice	0.05			CXL	09	42		2010	
AS	0649 Rice, hay and/or straw	0.05			CXL	09	42		2010	
VR	0075 Root and tuber vegetables (group)	0.05			CXL	04	38	37	2006	
GC	0651 Sorghum grain	0.03			CXL	04	38	37	2006	
AS	0651 Sorghum straw and fodder, dry	0.3	dry wt		CXL	04	38	37	2006	
AL	0541 Soya bean, hay and/or straw	0.5	dry wt		CXL	04	38	37	2006	
FS	0012 Stone fruits (group)	0.01 (*)			CXL	04	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0702	Sunflower seed			CXL	04	38	37	2006	
FT	0305	Table olives			CXL	04	38	37	2006	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	04	38	37	2006	
TN	0085	Tree nuts (group)			CXL	04	38	37	2006	

58 Parathion

Main Uses: Insecticide

ADI: 0.004 mg/kg bw (1995)

ARfD: 0.01 mg/kg bw (1995)

Residue: Parathion

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0191	Spices, fruits, and berries	0.2		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.2		CXL		37		2005	
HS	0190	Spices, seeds	0.1 (*)		CXL		37		2005	

59 Parathion-Methyl

Main Uses: Insecticide

ADI: 0.003 mg/kg bw (1995)

ARfD: 0.03 mg/kg bw (1995)

Residue: For compliance with MRLs: Parathion-methyl.

For estimation of dietary intake: Sum of parathion-methyl and para-oxon methyl expressed as parathion-methyl.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	0.2		CXL	00	36	34,35	2004	
VD	0071	Bean (dry)	0.05 (*)		CXL	94,00	29	28	1997	
VB	0041	Cabbages, head	0.05		CXL	00	36	34,35	2004	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1		CXL	00	36	34,35	2004	
FB	0269	Grapes	0.5		CXL	00	36	34,35	2004	
FS	0245	Nectarine	0.3		CXL	03	36		2004	
FS	0247	Peach	0.3		CXL	00	36	34,35	2004	
VD	0072	Peas (dry)	0.3		CXL	00	36	34,35	2004	
VR	0589	Potato	0.05 (*)		CXL	94,00	29	28	1997	
HS	0191	Spices, fruits, and berries	5		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	3		CXL		37		2005	
HS	0190	Spices, seeds	5		CXL		37		2005	
VR	0596	Sugar beet	0.05 (*)		CXL	94,00	29	28	1997	

60 Phosalone

Main Uses: Insecticide

ADI: 0.02 mg/kg bw (1997)

ARfD: 0.3 mg/kg bw (2001)

Residue: Phosalone (fat-soluble)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS 0191	Spices, fruits, and berries	2			CXL		37		2005	
HS 0193	Spices, roots, and rhizomes	3			CXL		37		2005	
HS 0190	Spices, seeds	2			CXL		37		2005	

62 Piperonyl Butoxide

Main Uses: Synergist

ADI: 0.2 mg/kg bw (1995)

ARfD: Unnecessary (2001)

Residue: Piperonyl butoxide (fat-soluble)

Note: Due to insufficient trials or limited data obtained from supervised trials, JMPR (2023) did not make any recommendations for establishing MRLs and for IEDI assessments.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	1280	Cattle kidney		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
MO	1281	Cattle liver			CXL	01	36	34	2004	
MM	0812	Cattle meat	(fat)	The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
ML	0812	Cattle milk		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
GC	0080	Cereal grains (group)	Po		CXL	01,02	36	34	2004	
FC	0001	Citrus fruits (group)			CXL	01,02	36	34	2004	
JF	0001	Citrus juice			CXL	01	36	34	2004	
DF	0167	Dried fruits	Po		CXL	01,02	36	34	2004	
PE	0112	Eggs		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	01,02	36	34	2004	
MO	0098	Kidney of cattle, goats, pigs and sheep		Except cattle kidney	CXL	02	36		2004	
VL	0483	Lettuce, leaf			CXL	01,02	36	34	2004	
MO	0099	Liver of cattle, goats, pigs & sheep			CXL	02	36		2004	
OC	0645	Maize oil, crude	PoP		CXL	01,02	36	34	2004	
MM	0095	Meat (from mammals other than marine mammals)	(fat)	Except cattle meat	CXL	02	36		2004	
ML	0106	Milks	F		CXL		36	34	2004	
VL	0485	Mustard greens			CXL	01,02	36	34	2004	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
AL	0072	Pea, hay and/or straw	200	(dw)		CXL	01,02	36	34	2004	
SO	0703	Peanut, whole	1			CXL	01,02	36	34	2004	
VO	0051	Peppers (subgroup)	2			CXL	01,02	36	34	2004	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	20			CXL	04	38	37	2006	
PM	0110	Poultry meat	7	(fat)		CXL	02	36	34	2004	The MRL accommodates external animal treatment.
PO	0111	Poultry, edible offal of	10			CXL	01,02	36	34	2004	
VD	0070	Pulses (group)	0.2	Po		CXL	01,02	36	34	2004	
VL	0494	Radish leaves (including radish tops)	50			CXL	01,02	36	34	2004	
VR	0075	Root and tuber vegetables (group)	0.5		Except carrot	CXL	01,02	36	34	2004	
VL	0502	Spinach	50			CXL	01,02	36	34	2004	
VO	0448	Tomato	2			CXL	01,02	36	34	2004	
JF	0448	Tomato juice	0.3			CXL	01,02	36	34	2004	
CM	0654	Wheat bran, unprocessed	80	PoP		CXL	02	36	34	2004	
CF	1211	Wheat flour	10	PoP		CXL	02	36	34	2004	
CF	1210	Wheat germ	90	PoP		CXL	02	36	34	2004	
CF	1212	Wheat wholemeal	30	PoP		CXL	01,02	36	34	2004	

63 Pyrethrins

Main Uses: Insecticide

ADI: 0-0.04 mg/kg bw (1972); confirmed (1999, 2005)

ARfD: 0.2 mg/kg bw (1999)

Residue: For compliance with MRLs and estimation of dietary intake for plant and animal commodities: Total pyrethrins, calculated as the sum of pyrethrins 1 and 2, cinerins 1 and 2, and jasmolins 1 and 2, determined after calibration with the World Standard pyrethum extract.

Note: On the basis of the data obtained from supervised trials, JMPR (2023) did not make any recommendations for establishing MRLs and for IEDI assessments. This was due to the fact that no trial matched the GAP and/or insufficient data.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080	Cereal grains (group)	0.3	Po	CXL	03	36		2004	
FC	0001	Citrus fruits (group)	0.05		CXL	00	34		2003	
DF	0167	Dried fruits	0.2	Po	CXL	00	35	34	2003	
VC	0045	Fruiting vegetables, cucurbits (group)	0.05	(*)	CXL	00	34		2003	
AL	0072	Pea, hay and/or straw	1		CXL	00	34		2003	
SO	0697	Peanut	0.5	Po	CXL	00	34		2003	
VO	0051	Peppers (subgroup)	0.05	(*)	CXL	00	34		2003	
HS	0444	Peppers chili, dried	0.5		CXL	04	38	37	2006	
VD	0070	Pulses (group)	0.1	Po	CXL	00	35	34	2003	
VR	0075	Root and tuber vegetables (group)	0.05	(*)	CXL	00	34		2003	
VO	0448	Tomato	0.05	(*)	CXL	00	34		2003	
TN	0085	Tree nuts (group)	0.5	(*) Po	CXL	05	38		2006	

64 Quintozene

Main Uses: Fungicide

ADI: 0–0.01 mg/kg bw (2022)

ARfD: Unnecessary (2022)

Residue: For compliance with the MRL for plant commodities: Quintozene.

JMPR (2022) was unable to reach a conclusion on the residue definition for dietary risk assessment in plant commodities.

JMPR (2022) was unable to reach a conclusion on the residue definition for compliance with the MRL or dietary risk assessment for animal commodities.

Note: JMPR (2022) reconfirmed the ADI established in 1995 and concluded that it was not necessary to establish an ARfD.

CCPR agreed to maintain the CXLs under the 4-year rule, awaiting the JMPR evaluation of the new data (54:91)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AS	0640	Barley, hay and/or straw	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VB	0400	Broccoli	0.05		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VB	0041	Cabbages, head	0.1		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
PM	0840	Chicken meat	0.1	(*) (fat)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
PO	0840	Chicken, edible offal of	0.1	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VD	0526	Common bean (dry)	0.02		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VP	0526	Common bean (pods and/or immature seeds)	0.1		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
SO	0691	Cotton seed	0.01		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
PE	0112	Eggs	0.03	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
GC	0645	Maize	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AS	0645	Maize fodder (dry)	0.01		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AL	0072	Pea, hay and/or straw	0.05		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
SO	0697	Peanut	0.5		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VD	0072	Peas (dry)	0.01		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	Recommended withdrawal by JMPR (2022)
VO	0445	Peppers, sweet (including pimento or pimienta)			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VD	0541	Soya bean (dry)			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AL	0541	Soya bean, hay and/or straw			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
HS	0191	Spices, fruits, and berries			CXL		37		2005	Recommended withdrawal by JMPR (2022)
HS	0193	Spices, roots, and rhizomes			CXL		37		2005	Recommended withdrawal by JMPR (2022)
HS	0190	Spices, seeds			CXL		37		2005	Recommended withdrawal by JMPR (2022)
VR	0596	Sugar beet			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VO	0448	Tomato			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
GC	0654	Wheat			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AS	0654	Wheat, hay and/or straw			CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)

65 Thiabendazole

Main Uses: Fungicide

ADI: 0.1 mg/kg bw (1992 by JECFA; confirmed by JECFA in 1997: WHO TRS No 879)

ARfD: 0.3 mg/kg body weight for woman of child-bearing age (2006)

1 mg/kg/bw for the general population (2006)

Residue: For compliance with MRLs and estimation of dietary intake for plant commodities: Thiabendazole.

For compliance with MRLs for animal commodities: Sum of thiabendazole and 5-hydroxythiabendazole.

For estimation of dietary intake for animal commodities: Sum of thiabendazole, 5-hydroxythiabendazole and its sulfate conjugate.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado	15	Po	CXL	00	35	34	2003	
FI	0327	Banana	5	Po	CXL	97	31		1999	
VP	2060	Beans with pods (subgroup)	0.01	(*)	CXL	2019	52		2021	
MO	1280	Cattle kidney	1		CXL	00	35	34	2003	
MO	1281	Cattle liver	0.3		CXL	00	35	34	2003	
MM	0812	Cattle meat	0.1		CXL	97,00	32	31	2001	
ML	0812	Cattle milk	0.2		CXL	00	35	34	2003	
FC	0001	Citrus fruits (group)	7	Po	CXL	07	45	39,40	2013	
VD	2065	Dry beans (subgroup)	0.01	(*)	CXL	2019	52		2021	
VD	2066	Dry peas (subgroup)	0.01	(*)	CXL	2019	52		2021	
PE	0112	Eggs	0.1		CXL	97	33		2001	
FI	0345	Mango	7	Po	CXL	2019	52		2021	
VO	0450	Mushrooms	60		CXL	97	37	31-36	2005	
FI	0350	Papaya	10	Po	CXL	00	35	34	2003	
VP	2061	Peas with pods (subgroup)	0.01	(*)	CXL	2019	52		2021	
FP	0009	Pome fruits (group)	3	Po	CXL	00	35	34	2003	
VR	0589	Potato	15	Po	CXL	00	35	34	2003	
PM	0110	Poultry meat	0.05		CXL	97	31		1999	
VP	2062	Succulent beans without pods (subgroup)	0.01	(*)	CXL	2019	52		2021	
VP	2063	Succulent peas without pods (subgroup)	0.01	(*)	CXL	2019	52		2021	
VR	0508	Sweet potato	9	Po	CXL	2019	52		2021	
VL	2832	Witloof chicory (sprouts)	0.05	(*)	CXL	97	31		1999	

67 Cyhexatin

Main Uses: Acaricide

ADI: 0.007 mg/kg bw Group ADI (2005)

ARfD: N/A

Residue: Sum of azocyclotin and cyhexatin, expressed as cyhexatin.

Note: CCPR25 decided to harmonize the residue definition as "the sum of azocyclotin and cyhexatin expressed as cyhexatin" and to have 2 separate but identical lists.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	05	38		2006	
FB	0021	Currants, black, red, white			CXL	05	38		2006	
FB	0269	Grapes			CXL	05	38		2006	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	05	38		2006	
FP	0230	Pear			CXL	05	38		2006	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	

72 Carbendazim

Main Uses: Fungicide

ADI: 0.03 mg/kg bw (1995)

ARfD: 0.1 mg/kg body weight for woman of child-bearing age and
0.5 mg/kg bw for the general population (2005)

Residue: For compliance with MRLs and estimation of dietary intake : Sum of benomyl, carbendazim and thiophanate-methyl, expressed as carbendazim.

Note: Note 1: Compounds for which sufficient data from trials complying with GAP were provided (B, benomyl; C, carbendazim; Th, thiophanate-methyl).

Letters in upper case indicate the source(s) of the data on which the MRL is based.

Note 2: JMPR (2023) was asked by CCPR to re-evaluate carbendazim under the periodic review programme. However, insufficient toxicological information was submitted to allow a re-evaluation of this substance to confirm or amend the reference values established in 1995 (ADI) and 2005 (ARfD). On this basis, the WHO Core Assessment Group withdraws the current ADI and ARfD values.

Recommendations for maximum residue levels for carbendazim are reported under thiophanate-methyl (77).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0240	Apricot	2	B		CXL	1994	33	28,32	2001
VS	0621	Asparagus	0.2	C		CXL	2003	38	36,37	2006
FI	0327	Banana	0.2	B		CXL	1998	38	32,34,36,37	2006
GC	0640	Barley	0.5	C		CXL	1998	38	32,34,36,37	2006
AS	0640	Barley, hay and/or straw	2	C		CXL	1998	38	32,34,36,37	2006
VD	0071	Bean (dry)	0.5	Th		CXL	1998	38	32,34,36,37	2006
FB	0018	Berries and other small fruits	1	B,Th	Except grapes	CXL	1994	38	28,32-37	2006
VB	0402	Brussels sprouts	0.5	B		CXL				1991
VR	0577	Carrot	0.2	B		CXL	1998	38	32,34,36,37	2006
MM	0812	Cattle meat	0.05	(*)	B	CXL	1998	38	32,34,36,37	2006
FS	0013	Cherries (subgroup)	10	Th	Based on thiophanatemethyl use	CXL	2003	40	36-39	2008
PF	0840	Chicken fat	0.05	(*)	B	CXL	1998	38	32,34,36,37	2006
SB	0716	Coffee beans	0.1	C		CXL		32		2001
VP	0526	Common bean (pods and/or immature seeds)	0.5	Th		CXL	2003	38	36,37	2006
VC	0424	Cucumber	0.05	(*)	b,C	CXL	1998	38	32,34,36,37	2006
MO	0105	Edible offal (mammalian)	0.05	(*)	B	CXL	1998	38	32,34,36,37	2006
PE	0112	Eggs	0.05	(*)	B	CXL	1998	38	32,34,36,37	2006
VP	0529	Garden pea, shelled (succulent seeds)	0.02		Th	CXL	1998	38	32,34,36,37	2006
VC	0425	Gherkin	0.05	(*)	b,C	CXL	1998	38	32,34,36,37	2006
FB	0269	Grapes	3	b,Th		CXL	1998	40	32,34,36-39	2008
VL	0482	Lettuce, head	5	Th		CXL	1994	40	28,32-39	2008

Commodity

Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
FI	0345	Mango	5		C	Based on carbendazime use	CXL	2003	40	36-39	2008
ML	0106	Milks	0.05	(*)	B		CXL	1998	38	32,34,36,37	2006
FS	0245	Nectarine	2		B		CXL	1994	33	28,32	2001
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1		B		CXL	1998	40	32,34,36-39	2008
FS	0247	Peach	2		B		CXL	1994,1998	33	28,32	2001
SO	0697	Peanut	0.1	(*)	Th		CXL	2003	38	36,37	2006
AL	0697	Peanut fodder	3		Th		CXL	2003	38	36,37	2006
VO	0444	Peppers chili	2		Th		CXL	2003	38	36,37	2006
HS	0444	Peppers chili, dried	20		C		CXL	2004	38	37	2006
FI	0353	Pineapple	5		B		CXL	1998	34	32	2003
FS	0014	Plums (including fresh prunes) (subgroup)	0.5		B		CXL	1994,1998	33	28,32	2001
FP	0009	Pome fruits (group)	3		B,c,th		CXL	1998	33	28,32	2001
PM	0110	Poultry meat	0.05	(*)	B		CXL	1998	38	32,34,36,37	2006
SO	0495	Rape seed	0.05	(*)	C		CXL	1998	38	32,34,36,37	2006
AS	0649	Rice, hay and/or straw	15		C		CXL	1998	38	32,34,36,37	2006
CM	0649	Rice, husked	2	(*)	B		CXL	1998	38	32,34,36,37	2006
GC	0650	Rye	0.1		C,Th		CXL	1994	38	32,34,36,37	2006
VD	0541	Soya bean (dry)	0.5		Th		CXL	2003	38	36,37	2006
AL	0541	Soya bean, hay and/or straw	0.1		C		CXL		32		2001
HS	0191	Spices, fruits, and berries	0.1				CXL		43		2011
HS	0193	Spices, roots, and rhizomes	0.1				CXL		43		2011
HS	0190	Spices, seeds	5				CXL	2019	52		2021
VC	0431	Squash, summer	0.5		Th		CXL	2003	38	36,37	2006
VR	0596	Sugar beet	0.1	(*)	Th		CXL	2003	38	36,37	2006
VO	0448	Tomato	0.5		b,C		CXL	1998	33	28,32	2001
TN	0085	Tree nuts (group)	0.1	(*)	B		CXL	1998	32		2001
GC	0654	Wheat	0.05	(*)	b,Th		CXL	1998	38	32,34,36,37	2006
AS	0654	Wheat, hay and/or straw	1		B,C		CXL	1998	38	32,34,36,37	2006

74 Disulfoton

Main Uses: Insecticide

ADI: 0-0.0003 mg/kg bw (1991), confirmed (2006)

ARfD: 0.003 mg/kg body weight, confirmed 2006 (1996)

Residue: Sum of disulfoton, demeton-S and their sulphoxides and sulphones, expressed as disulfoton.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	5	(dw)	CXL				1995	
VS	0621	Asparagus	0.02	(*)	CXL		35	28-34	2003	
GC	0640	Barley	0.2		CXL		35	28-34	2003	
AS	0640	Barley, hay and/or straw	3		CXL				1995	
VD	0071	Bean (dry)	0.2		CXL	98	35	28-34	2003	
PE	0840	Chicken eggs	0.02	(*)	CXL		35	28-34	2003	
AL	1031	Clover, hay and/or straw	10		CXL					
SB	0716	Coffee beans	0.2		CXL				1995	
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL		35	28-33	2003	
SO	0691	Cotton seed	0.1		CXL	94,98	35	28-34	2003	
VP	0528	Garden pea (young pods)=(succulent, immature seeds)	0.1		CXL		35	28-34	2003	
VP	0529	Garden pea, shelled (succulent seeds)	0.02	(*)	CXL		35	28-34	2003	
GC	0645	Maize	0.02		CXL	98	35	28-34	2003	
AS	0645	Maize fodder (dry)	3		CXL				1995	
ML	0107	Milk of cattle, goats & sheep	0.01		CXL	94	35	28-34	2003	
AS	0647	Oat straw and fodder, dry	0.05		CXL	94	35	28-34	2003	
GC	0647	Oats	0.02	(*)	CXL		35	28-34	2003	
SO	0697	Peanut	0.1		CXL					
TN	0672	Pecan	0.1		CXL					
FI	0353	Pineapple	0.1		CXL					
PM	0110	Poultry meat	0.02	(*)	CXL		35	28-34	2003	
HS	0093	Spices	0.05	(*)	CXL		37		2005	
VR	0596	Sugar beet	0.2		CXL				1995	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	CXL		35	28-34	2003	
VO	1275	Sweet corn (kernels)	0.02	(*)	CXL		35	28-32,34	2003	
GC	0654	Wheat	0.2		CXL		35	28-34	2003	
AS	0654	Wheat, hay and/or straw	5		CXL	94	35	28-34	2003	

77 Thiophanate-Methyl

Main Uses: Fungicide

ADI: 0-0.09 mg/kg bw (2017)

ARfD: 1 mg/kg bw (2017)

Residue: For compliance with the MRL for plant commodities: Sum of thiophanate-methyl and carbendazim, expressed as thiophanate-methyl.

For compliance with the MRL for animal commodities: Sum of thiophanate-methyl, carbendazim, and sodium 2-(methoxycarbonylamino)-1H-benzimidazol-5-yl (5-OH-MBC) (free and conjugated), expressed as thiophanate-methyl.

For dietary risk assessment for plant and animal commodities: Thiophanate-methyl.

Carbendazim and 5-OH-MBC (free and conjugated) need to be assessed, separately, against the TTC Cramer Class III threshold.

The threshold applies to both chronic and acute exposure estimates.

The residue is not fat-soluble

Note: JMPR (2023) reconfirmed the ADI and ARfD established in 2017.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660 Almonds	0.15 (*)			3	2023	55			

79 Amitrole

Main Uses: Herbicide

ADI: 0.002 mg/kg bw (1997)

ARfD: N/A

Residue: Amitrole

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0269 Grapes	0.05			CXL	98	36	32,34	2004	
FP	0009 Pome fruits (group)	0.05 (*)			CXL	98	36	32,34	2004	
FS	0012 Stone fruits (group)	0.05 (*)			CXL	98	36	32,34	2004	

81 Chlorothalonil

Main Uses: Fungicide

ADI: 0-0.02 mg/kg bw (2009)

ARfD: 0.6 mg/kg bw (2009)

Residue: For compliance with MRL for plant commodities: Chlorothalonil. For estimation of dietary intake for plant commodities: Chlorothalonil SDS-3701 (2,5,6-trichloro-4-hydroxyisophthalonitrile), all considered separately.

For compliance with MRL and for estimation of dietary intake for animal commodities: SDS-3701 (2,5,6-trichloro-4-hydroxyisophthalonitrile).

The residue is not fat-soluble.

Note: Chlorothalonil Metabolite SDS-3701

ADI: 0-0.008 mg/kg bw(2009)

ARfD: 0.03 mg/kg bw(2009)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0621 Asparagus	0.01 (*)			CXL	2015	48		2016	
FI	0327 Banana	15			CXL	12	45		2013	
VB	0402 Brussels sprouts	6			CXL	10	43		2011	
VS	0624 Celery	20			CXL	10	43		2011	
VL	0464 Chard	50			CXL	12	45		2013	
FS	0013 Cherries (subgroup)	3			CXL	2015	48		2016	
FB	0265 Cranberry	15			CXL	2019	53	52	2022	
VC	0424 Cucumber	3			CXL	10	43		2011	
FB	0021 Currants, black, red, white	20			CXL	10	43		2011	
MO	0105 Edible offal (mammalian)	0.2			CXL	10	43		2011	
VB	0042 Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	5			CXL	10	43		2011	
VC	0425 Gherkin	3			CXL	10	43		2011	
DV	0604 Ginseng, dried including red ginseng	2			CXL	2015	48		2016	
FB	0268 Gooseberry	20			CXL	10	43		2011	
FB	0269 Grapes	3			CXL	10	43		2011	
VR	0583 Horseradish	1			CXL	2015	48		2016	
VA	0384 Leek	40			CXL	10	43		2011	
MF	0100 Mammalian fats (except milk fats)	0.07			CXL	10	43		2011	
MM	0095 Meat (from mammals other than marine mammals)	0.02			CXL	10	43		2011	
VC	0046 Melons, except watermelon	2			CXL	10	43		2011	
ML	0106 Milks	0.07			CXL	10	43		2011	
VA	0385 Onion, bulb	1.5			CXL	2015	48		2016	
VA	0386 Onion, Chinese	10			CXL	10	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0387	Onion, Welsh			CXL	10	43		2011	
FI	0350	Papaya			CXL	10	43		2011	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2015	48		2016	
SO	0697	Peanut			CXL	10	43		2011	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2015	48		2016	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	2015	48		2016	
TN	0675	Pistachio nuts			CXL	2015	48		2016	
PF	0111	Poultry fats			CXL	10	43		2011	
PM	0110	Poultry meat			CXL	10	43		2011	
PO	0113	Poultry skin			CXL	10	43		2011	
PO	0111	Poultry, edible offal of			CXL	10	43		2011	
VD	0070	Pulses (group)			CXL	10	43		2011	
VS	0627	Rhubarb			CXL	2015	48		2016	
VR	0075	Root and tuber vegetables (group)		(except horseradish)	CXL	2015	48		2016	
VA	0388	Shallot			CXL	2015	48		2016	
VA	0389	Spring onion			CXL	10	43		2011	
VC	0431	Squash, summer			CXL	10	43		2011	
FB	0275	Strawberry			CXL	10	43		2011	
VO	0448	Tomato			CXL	2015	48		2016	

84 Dodine

Main Uses: Fungicide

ADI: 0.1 mg/kg bw (2000)

ARfD: 0.2 mg/kg bw (2000)

Residue: For compliance with MRLs and for estimation of dietary intake: Dodine.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0013	Cherries (subgroup)	3		CXL	03	37	36	2005	
FS	0245	Nectarine	5		CXL	03	37	36	2005	
FS	0247	Peach	5		CXL	03	37	36	2005	
FP	0009	Pome fruits (group)	5		CXL	03	37	36	2005	

85 Fenamiphos

Main Uses: Insecticide

ADI: 0-0.0008 mg/kg bw (1997), confirmed (2006)

ARfD: 0.003 mg/kg body weight, confirmed 2006 (2002)

Residue: Sum of fenamiphos and its sulphoxide and sulphone, expressed as fenamiphos.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	0.05	(*)	CXL	99	36	33-35	2004	
FI	0327	Banana	0.05	(*)	CXL	99	36	33-35	2004	
VB	0402	Brussels sprouts	0.05		CXL	99	36	33-35	2004	
VB	0041	Cabbages, head	0.05		CXL	99	36	33-35	2004	
SO	0691	Cotton seed	0.05	(*)	CXL	99	36	33	2004	
OC	0691	Cotton seed oil, crude	0.05	(*)	CXL	99	36	33-35	2004	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	99	36	33-35	2004	
PE	0112	Eggs	0.01	(*)	CXL	99	36	33-35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	99	36	33-35	2004	
VC	0046	Melons, except watermelon	0.05		CXL	06	39		2007	
ML	0106	Milks	0.005	(*)	CXL	99	36	33-35	2004	
SO	0697	Peanut	0.05	(*)	CXL	99	36	33	2004	
OC	0697	Peanut oil, crude	0.05	(*)	CXL	99	36	33-35	2004	
PM	0110	Poultry meat	0.01	(*)	CXL	99	36	33,35	2004	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	99	36	33-35	2004	

86 Pirimiphos-Methyl

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (1992), confirmed (2006)

ARfD: 0.2 mg/kg bw (2006)

Residue: For compliance with MRLs and estimation of dietary intake for plant and animal commodities: Pirimiphos-methyl.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080	Cereal grains (group)	7	Po	CXL	03	37	36	2005	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	04	37		2005	
PE	0112	Eggs	0.01		CXL	04	37		2005	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	04	37		2005	
ML	0106	Milks	0.01		CXL	03	37	36	2005	
PM	0110	Poultry meat	0.01	(*)	CXL	04	37		2005	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	04	37		2005	
HS	0191	Spices, fruits, and berries	0.5		CXL		37		2005	
HS	0190	Spices, seeds	3		CXL		37		2005	
CM	0654	Wheat bran, unprocessed	15	PoP	CXL	03	37	36	2005	

87 Dinocap

Main Uses: Fungicide

ADI: 0.008 mg/kg bw (1998)

ARfD: 0.008 mg/kg body weight for women of child-bearing age (2000)

0.03 mg/kg body weight for children and general population other than women of childbearing age (2000)

Residue: Sum of dinocap isomers and dinocap phenols, expressed as dinocap.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
FP	0226	Apple	0.2	D		CXL	98	34	32	2003	
VC	0424	Cucumber	0.7	M,d		CXL	10	43		2011	
VC	0045	Fruiting vegetables, cucurbits (group)	0.05 (*)	D		CXL	98	34	32	2003	
FB	0269	Grapes	0.5	D,m		CXL	01	35	32,34	2003	
VC	0046	Melons, except watermelon	0.5	M,d		CXL	10	43		2011	
FS	0247	Peach	0.1	D		CXL	98	34	32	2003	
VO	0051	Peppers (subgroup)	0.2	D	MRL provisionally applies to okra, martynia, and roselle.	CXL	98	34	32	2003	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	2	D		CXL	04	38	37	2006	
VC	0431	Squash, summer	0.07	M,d		CXL	10	43		2011	
FB	0275	Strawberry	0.5	D,m	(except glasshouse-grown strawberry)	CXL	98	34	32	2003	
VO	0448	Tomato	0.3	D		CXL	99	34	32	2003	

90 Chlorpyrifos-Methyl

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (2009)

ARfD: 0.1 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Chlorpyrifos-methyl.

The residue is fat-soluble.

Note: CCPR agreed to retain all the CXLs under the 4-year rule, awaiting the periodic re-evaluation by the 2024 JMPR (53:44).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	3	Po	CXL	2009	49	43,44,45,46,47	2017	
FC	0001	Citrus fruits (group)	2		CXL	09	45	42	2013	
MO	0105	Edible offal (mammalian)	0.01		CXL	09	43		2011	
VO	0440	Eggplant	1		CXL	09	42		2010	
PE	0112	Eggs	0.01	(*)	CXL	09	43		2011	
AB	0269	Grape pomace, dried	5		CXL	09	43		2011	
FB	0269	Grapes	1		CXL	09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL	09	43		2011	
FM	0183	Milk fats	0.01	(*)	CXL	09	43		2011	
ML	0106	Milks	0.01	(*)	CXL	09	43		2011	
VO	0051	Peppers (subgroup)	1		CXL	09	42		2010	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	10		CXL	09	42		2010	
FP	0009	Pome fruits (group)	1		CXL	09	42		2010	
VR	0589	Potato	0.01	(*)	CXL	09	42		2010	
PM	0110	Poultry meat	0.01	(fat)	CXL	09	43		2011	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	09	43		2011	
HS	0191	Spices, fruits, and berries	0.3		CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	5		CXL		37		2005	
HS	0190	Spices, seeds	1		CXL		37		2005	
FS	0012	Stone fruits (group)	0.5		CXL	09	42		2010	
FB	0275	Strawberry	0.06		CXL	09	42		2010	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0448	Tomato	1		CXL	09	42		2010	
GC	0654	Wheat	3	Po	CXL	2009	49	43,44,45,46,47	2017	
CM	0654	Wheat bran, unprocessed	6	PoP	CXL	2009	49	43,44,45,46,47	2017	
CF	1210	Wheat germ	5	PoP	CXL	2009	49	43,44,45,46,47	2017	

94 Methomyl

Main Uses: Insecticide

ADI: 0.02 mg/kg bw (2001)

ARfD: 0.02 mg/kg bw (2001)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Sum of methomyl and thiodicarb, expressed as methomyl.

MRLs related to methomyl and (154) thiodicarb are combined into a single list.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	20		CXL	01	37	34-36	2005	
FP	0226	Apple	0.3		CXL	08	42	41	2010	
VS	0621	Asparagus	2		CXL	01			1991	
GC	0640	Barley	2		CXL	01	37	34-36	2005	
VD	0071	Bean (dry)	0.05		CXL	01	36	34,35	2004	
AL	0061	Bean, hay and/or straw	10		CXL	01	37	34-36	2005	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1		CXL	01	36	34,35	2004	
FC	0001	Citrus fruits (group)	1		CXL	01	45		2013	
AB	0001	Citrus pulp, dried	3		CXL	01	37	34-36	2005	
VP	0526	Common bean (pods and/or immature seeds)	1		CXL	01	36	34,35	2004	
SO	0691	Cotton seed	0.2		CXL	01	36	34,35	2004	
OR	0691	Cotton seed oil, edible	0.04		CXL	01	36	34,35	2004	
AB	0691	Cotton seed, hulls	0.2		CXL	01	36	34,35	2004	
AB	1203	Cotton seed, meal	0.05		CXL	01	36	34	2004	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	01	36	34,35	2004	
PE	0112	Eggs	0.02	(*)	CXL		36	34,35	2004	
VC	0045	Fruiting vegetables, cucurbits (group)	0.1		CXL	01,08	41	34-40	2009	Resulting from consideration of methomyl supervised field trial data.
FB	0269	Grapes	0.3		CXL	08	41		2009	
VL	0482	Lettuce, head	0.2		CXL	08	41		2009	
VL	0483	Lettuce, leaf	0.2		CXL	08	41		2009	
GC	0645	Maize	0.02	(*)	CXL	01	36	34,35	2004	
OR	0645	Maize oil, edible	0.02	(*)	CXL	01	36	34,35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	01	36	34,35	2004	
ML	0106	Milks	0.02	(*)	CXL	01	36	34,35	2004	
AM	0738	Mint hay	0.5		CXL	04	37		2005	
FS	0245	Nectarine	0.2		CXL	01	36	34,35	2004	
GC	0647	Oats	0.02	(*)	CXL	01	36	34,35	2004	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0385	Onion, bulb			CXL	01			1991	
FS	0247	Peach			CXL	01	36	34,35	2004	
FP	0230	Pear			CXL	08	41		2009	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	01			1991	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	04	37		2005	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	01	36	34,35	2004	
VR	0589	Potato			CXL	01	36	34,35	2004	
PM	0110	Poultry meat			CXL	01	36	34,35	2004	
PO	0111	Poultry, edible offal of			CXL	01	36	34,35	2004	
SO	0495	Rape seed			CXL	01	36	34,35	2004	
VD	0541	Soya bean (dry)			CXL	01				
AB	0541	Soya bean hulls			CXL	01	36	34,35	2004	
AB	1265	Soya bean meal			CXL	01	36	34,35	2004	
OC	0541	Soya bean oil, crude			CXL	01	36	34,35	2004	
OR	0541	Soya bean oil, refined			CXL	01	36	34,35	2004	
AL	0541	Soya bean, hay and/or straw			CXL	01	36	34,35	2004	
HS	0191	Spices, fruits, and berries			CXL		43		2011	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants			CXL	01	36	34,35	2004	
VO	0448	Tomato			CXL	08	41		2009	
GC	0654	Wheat			CXL	01	37	34-36	2005	
CM	0654	Wheat bran, unprocessed			CXL	01	37	34-36	2005	
CF	1211	Wheat flour			CXL	01	37	34-36	2005	
CF	1210	Wheat germ			CXL	01	37	34-36	2005	
AS	0654	Wheat, hay and/or straw			CXL				1991	

95 Acephate

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2005)

ARfD: 0.1 mg/kg bw (2005)

Residue: For compliance with MRL for plant and animal commodities: Acephate.

For estimation of dietary intake for plant and animal commodities: Acephate and methamidophos.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.3		CXL	03	37	36	2005	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	5		CXL	03	38	36,37	2006	
VB	0041	Cabbages, head	2		CXL	96	30		1999	
FB	0265	Cranberry	0.5		CXL	06	39		2007	
MO	0105	Edible offal (mammalian)	0.05		CXL	03	37	36	2005	
PE	0112	Eggs	0.01	(*)	CXL	03	37	36	2005	
MM	0095	Meat (from mammals other than marine mammals)	0.05		CXL	03	37	36	2005	
ML	0106	Milks	0.02		CXL	03	37	36	2005	
HS	0444	Peppers chili, dried	50		CXL	04	38	37	2006	
PF	0111	Poultry fats	0.1		CXL					
PM	0110	Poultry meat	0.01	(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	03	37	36	2005	
AS	0649	Rice, hay and/or straw	0.3		CXL	11	44		2012	
CM	0649	Rice, husked	1		CXL	11	44		2012	
VD	0541	Soya bean (dry)	0.3		CXL	03	37	36	2005	
HS	0093	Spices	0.2	(*)	CXL		37		2005	
VO	0448	Tomato	1		CXL	96	30		1999	

96 Carbofuran

Main Uses: Acaricide, Insecticide and Nematocide

ADI: 0-0.001 mg/kg bw (2008)

ARfD: 0.001 mg/kg bw (2008)

Residue: See carbosulfan (145).

Note: The ADI and ARfD only apply to sources of carbofuran that have a purity of 99.8 percent or greater.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.01 (*)			CXL	2012	45		2013	Withdrawal recommended by JMPR (2023).
MF	0812 Cattle fat	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
AB	0001 Citrus pulp, dried	2		Based on the use of carbosulfan	CXL	1997	32	31	2001	Withdrawal recommended by JMPR (2023).
SB	0716 Coffee beans	1			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
SO	0691 Cotton seed	0.1			CXL	2002	36	35	2004	Withdrawal recommended by JMPR (2023).
MO	0096 Edible offal of cattle, goats, horses, pigs & sheep	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
MF	0814 Goat fat	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
MF	0816 Horse fat	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
GC	0645 Maize	0.05 (*)		Based on the use of carbosulfan	CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
FC	0206 Mandarin	0.5		Based on the use of carbosulfan	CXL	1999	42	33,36,37,38	2010	Withdrawal recommended by JMPR (2023).
MM	0096 Meat of cattle, goats, horses, pigs & sheep	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
FC	0004 Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.5			CXL	1997,2004	42	31-41	2010	Withdrawal recommended by JMPR (2023).
MF	0818 Pig fat	0.05 (*)			CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
SO	0495 Rape seed	0.05 (*)			CXL	2002	36	35	2004	Withdrawal recommended by JMPR (2023).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0649	Rice, hay and/or straw	1		CXL	2002	36	35	2004	Withdrawal recommended by JMPR (2023).
CM	0649	Rice, husked	0.1		CXL	2002	36	35	2004	Withdrawal recommended by JMPR (2023).
MF	0822	Sheep fat	0.05	(*)	CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
GC	0651	Sorghum grain	0.1	(*)	CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
AS	0651	Sorghum straw and fodder, dry	0.5		CXL	1997	32	31	2001	Withdrawal recommended by JMPR (2023).
HS	0193	Spices, roots, and rhizomes	0.1		CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
VR	0596	Sugar beet	0.2		CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023). Based on the use of carbosulfan
GS	0659	Sugar cane	0.1	(*)	CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).
SO	0702	Sunflower seed	0.1	(*)	CXL	1997	31		1999	Withdrawal recommended by JMPR (2023).

100 Methamidophos

Main Uses: Insecticide

ADI: 0-0.004 mg/kg bw (2002)

ARfD: 0.01 mg/kg bw (2002)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Methamidophos.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.2		CXL	03	37	36	2005	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1		CXL	03	38	36,37	2006	
SO	0691	Cotton seed	0.2		CXL	03	37	36	2005	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	03	37	36	2005	
PE	0112	Eggs	0.01	(*)	CXL	03	37	36	2005	
AM	1051	Fodder beet	0.02		CXL	03	37	36	2005	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	03	37	36	2005	
ML	0106	Milks	0.02		CXL	03	37	36	2005	
VR	0589	Potato	0.05		CXL	03	37	36	2005	
PM	0110	Poultry meat	0.01	(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	03	37	36	2005	
AS	0649	Rice, hay and/or straw	0.1		CXL	11	44		2012	(arising from the use of acephate on rice)
CM	0649	Rice, husked	0.6		CXL	11	44		2012	(arising from the use of acephate on rice)
VD	0541	Soya bean (dry)	0.1		CXL	03	37	36	2005	
HS	0093	Spices	0.1	(*)	CXL		37		2005	
VR	0596	Sugar beet	0.02		CXL	03	37	36	2005	

101 Pirimicarb

Main Uses: Aphicide

ADI: 0-0.02 mg/kg bw (1982), confirmed (2006)

ARfD: 0.1 mg/kg body weight, confirmed 2006 (2004)

Residue: For estimation of dietary intake: Sum of pirimicarb, and its demethyl, demethyl formamido metabolites, expressed as pirimicarb for plant commodities and pirimicarb (parent compound only) for animal commodities.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	5		CXL	06	39		2007	
VS	0621	Asparagus	0.01	(*)	CXL	06	39		2007	
FB	0018	Berries and other small fruits	1		CXL	06	39		2007	(except strawberries and grapes)
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.5		CXL	06	39		2007	
GC	0080	Cereal grains (group)	0.05	(except rice)	CXL	06	39		2007	
FC	0001	Citrus fruits (group)	3		CXL	06	45	39	2013	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	06	39		2007	
PE	0112	Eggs	0.01	(*)	CXL	06	39		2007	
VC	0045	Fruiting vegetables, cucurbits (group)	1	(except melons and watermelons)	CXL	06	39		2007	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.5	(except edible fungi and Sweet corn)	CXL	06	39		2007	
VA	0381	Garlic	0.1		CXL	06	39		2007	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	0.3		CXL	06	39		2007	
VP	0060	Legume vegetables (group)	0.7	(except soya bean)	CXL	06	39		2007	
VL	0482	Lettuce, head	5		CXL	06	39		2007	
VL	0483	Lettuce, leaf	5		CXL	06	39		2007	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	06	39		2007	
VC	0046	Melons, except watermelon	0.2		CXL	06	39		2007	
ML	0106	Milks	0.01	(*)	CXL	06	39		2007	
VA	0385	Onion, bulb	0.1		CXL	06	39		2007	
AL	0072	Pea, hay and/or straw	60	(dw)	CXL	06	39		2007	
HS	0444	Peppers chili, dried	20		CXL	04	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0009	Pome fruits (group)	1		CXL	06	39		2007	
PM	0110	Poultry meat	0.01	(*)	CXL	06	39		2007	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	06	39		2007	
VD	0070	Pulses (group)	0.2		CXL	06	39		2007	(except soya bean (dry))
SO	0495	Rape seed	0.05		CXL	06	39		2007	
VR	0075	Root and tuber vegetables (group)	0.05		CXL	06	39		2007	
HS	0190	Spices, seeds	5		CXL		37		2005	
FS	0012	Stone fruits (group)	3		CXL	06	39		2007	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.3	(dw)	CXL	06	39		2007	(except rice straw and fodder, dry)
SO	0702	Sunflower seed	0.1		CXL	06	39		2007	
VO	1275	Sweet corn (kernels)	0.05		CXL	06	39		2007	

102 Maleic Hydrazide

Main Uses: Plant growth regulator

ADI: 0.3 mg/kg bw (1996)

ARfD: N/A

Residue: Maleic hydrazide

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0381	Garlic	15		CXL	98	32		2001	
VA	0385	Onion, bulb	15		CXL	98				
VR	0589	Potato	50		CXL	98				
VA	0388	Shallot	15		CXL	98	32		2001	

103 Phosmet

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (1998)

ARfD: 0.2 mg/kg bw (2003)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Phosmet.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0240	10			CXL	97	40	31,33-39	2008	
FB	0020	10			CXL	07	40		2008	
MM	0812	1	(fat)	V	CXL		31		1999	
FC	0001	3			CXL	02,07	45	35-40	2013	
SO	0691	0.05			CXL	97	32	31	2001	
FB	0265	3			CXL	2014	47		2015	
FB	0269	10			CXL	97	31		1999	
ML	0106	0.02			CXL		31		1999	
FS	0245	10			CXL	02,07	40	35-39	2008	
FS	0247	10			CXL	97	31		1999	
FP	0009	10			CXL	02	40	35-39	2008	
VR	0589	0.05	(*)		CXL	97	32	31	2001	
TN	0085	0.2			CXL	02	36	35	2004	

105 Dithiocarbamates

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw Group ADI (or in any combination) for ethylene-bis-dithiocarbamates (EBDCs: mancozeb, maneb, metiram and zineb) (1993)

ARfD: N/A

Residue: For compliance with MRLs in plant and animal commodities: Total dithiocarbamates, determined as CS₂, evolved during acid digestion, and expressed as mg CS₂/kg.

For the estimation of dietary intake in plant and animal commodities: mancozeb plus ethylenethiourea (ETU).

Dithiocarbamate residues are not fat soluble.

Note: An ADI of 0–0.004 mg/kg bw for their metabolite ethylenethiourea (ETU).

Recommended MRLs refer to the total residues from the use of any or each of the dithiocarbamates. Recommendations are based on trials with; n, maneb; m, metiram; c, mancozeb; p, propineb; h, thiram, z, ziram. Compounds shown in upper case are those on which estimates of MRLs are mainly based. The 1995 JMPR changed the expression of residue definition.

Propineb: ADI for propineb 0-0.007 mg/kg/bw. Interim ARfD: 0.1 mg/kg bw. Some commodities contain natural compounds that generate CS₂ (36-201).

The JMPR 2004 evaluated propineb and proposed MRLs for the use of propineb alone and for the use of dithiocarbamates including propineb in several commodities (37-127).

CCPR agreed not to establish separate MRLs for propineb as the residue definition applies to all dithiocarbamates (37-128).

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	20	N,z		CXL	1995	31	28-30	1999	
TN 0660	Almonds	0.1 (*)	N,Z		CXL	1995	31	28-30	1999	
VS 0621	Asparagus	0.1	c		CXL	1995	31	28-30	1999	
FI 0327	Banana	2	c		CXL	1995	31	28-30	1999	
GC 0640	Barley	1	c		CXL	1995	31	28-30	1999	
AS 0640	Barley, hay and/or straw	25	C,n		CXL	1995	31	28-30	1999	
VB 0041	Cabbages, head	5	c,N		CXL	1995	31	28-30	1999	
HS 0775	Cardamom	0.1			CXL	2014	47		2015	
VR 0577	Carrot	1	c		CXL	1995	31	28-30	1999	
FS 0013	Cherries (subgroup)	0.2	p		CXL	2004	38	37	2006	
HS 0779	Coriander, seed	0.1			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050)
VL 0510	Cos lettuce	10	n		CXL	1995	31	28-30	1999	
SO 0691	Cotton seed	0.4			CXL	2022	54		2023	
FB 0265	Cranberry	5	c		CXL	1995	31	28-30	1999	
VC 0424	Cucumber	2	c,N,p		CXL	2004	37		2005	
HS 0780	Cumin seed	10			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050)
FB 0021	Currants, black, red, white	10	C,m		CXL	1995	31	28-30	1999	
MO 0105	Edible offal (mammalian)	0.1	C,m,p		CXL	2004	37		2005	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs			CXL	2004	37		2005	
HS	0731	Fennel, seed			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050).
VA	0381	Garlic	c		CXL	1995	31	28-30	1999	
VR	0604	Ginseng			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050).
DV	0604	Ginseng, dried including red ginseng			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050).
FB	0269	Grapes	C,m,n		CXL	2004	37		2005	
DH	1100	Hops, dry	m		CXL	1995	31	28-30	1999	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	c,N		CXL	1995	31	28-30	1999	
VA	0384	Leek	c		CXL	1995	31	28-30	1999	
VL	0482	Lettuce, head	C,N,m		CXL	1995	31	28-30	1999	
FI	0342	Longan			CXL	2022	54		2023	
GC	0645	Maize			CXL	2022	54		2023	
AS	0645	Maize fodder (dry)	c		CXL	1995	31	28-30	1999	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	c		CXL	1995	31	28-30	1999	
FI	0345	Mango	c		CXL	1995	31	28-30	1999	
MM	0095	Meat (from mammals other than marine mammals)	c,m,p		CXL	2004	37		2005	
VC	0046	Melons, except watermelon	C		CXL	2004	37		2005	
ML	0106	Milks	c,m,p		CXL	2004	37		2005	
VA	0385	Onion, bulb	C		CXL	2004	37		2005	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	c		CXL	1995	31	28-30	1999	
FI	0350	Papaya	c		CXL	1995	31	28-30	1999	
SO	0697	Peanut	c		CXL	1995	31	28-30	1999	
AL	0697	Peanut fodder	c		CXL	1995	31	28-30	1999	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0672	Pecan								
		0.1		(*)	Z					
HS	0790	Pepper, black, white								
		0.1								
HS	0444	Peppers chili, dried								
		20								
VO	0445	Peppers, sweet (including pimento or pimiento)								
		1			c,n					
FP	0009	Pome fruits (group)								
		5			C,M,H,Z					
VR	0589	Potato								
		0.2			c,m,n,p					
PM	0110	Poultry meat								
		0.1			c,p					
PO	0111	Poultry, edible offal of								
		0.1			c,p					
VC	0429	Pumpkins								
		0.2			c			28-30		
GC	0649	Rice								
		3								
CM	0649	Rice, husked								
		1.5								
CM	1205	Rice, polished								
		1.5								
VD	0541	Soya bean (dry)								
		0.3								
VA	0389	Spring onion								
		10			n			28-30		
VC	0431	Squash, summer								
		1			c			28-30		
FS	0012	Stone fruits (group)								
		7			h,p,Z					
FB	0275	Strawberry								
		5			H			30		
VR	0596	Sugar beet								
		0.5			C,n			28-30		
VO	0447	Sweet corn (corn-on-the-cob)								
		0.1			c			28-30		
VO	0448	Tomato								
		2			p			37		
VC	0432	Watermelon								
		1			c,N			28,29		
GC	0654	Wheat								
		1			C,n,m			28-30		
AS	0654	Wheat, hay and/or straw								
		25			C,n,m			28-30		
VC	0433	Winter squash								
		0.1			c			28-30		

106 Ethephon

Main Uses: Plant growth regulator

ADI: 0–0.05 mg/kg bw (2015)

ARfD: 0.05 mg/kg bw (2015)

Residue: For plant commodities except cereal grains and straw (for compliance with the MRL and for estimation of dietary intake): Ethephon.

For cereal grains and straw (for compliance with the MRL and for estimation of dietary intake): Ethephon and its conjugates, expressed as ethephon.

For animal commodities (for compliance with the MRL and for estimation of dietary intake): Ethephon.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.8			CXL	2015	48		2016	
GC 0640	Barley	1.5			CXL	2015	48		2016	
AS 0640	Barley, hay and/or straw	7	(dw)		CXL	2015	48		2016	
FS 0013	Cherries (subgroup)	5			CXL	2015	48		2016	
SO 0691	Cotton seed	6			CXL	2015	48		2016	
MO 0105	Edible offal (mammalian)	0.4			CXL	2015	48		2016	
PE 0112	Eggs	0.01		(*)	CXL	2015	48		2016	
FT 0297	Fig	3			CXL	2015	48		2016	
FB 0269	Grapes	0.8			CXL	2015	48		2016	
MF 0100	Mammalian fats (except milk fats)	0.01		(*)	CXL	2015	48		2016	
MM 0095	Meat (from mammals other than marine mammals)	0.01		(*)	CXL	2015	48		2016	
ML 0106	Milks	0.01		(*)	CXL	2015	48		2016	
FI 0353	Pineapple	1.5			CXL	2015	48		2016	
PF 0111	Poultry fats	0.04			CXL	2015	48		2016	
PM 0110	Poultry meat	0.02			CXL	2015	48		2016	
PO 0111	Poultry, edible offal of	0.08			CXL	2015	48		2016	
GC 0650	Rye	0.5			CXL	2015	48		2016	
AS 0650	Rye straw and fodder, dry	7	(dw)		CXL	2015	48		2016	
FT 0305	Table olives	7			CXL	2015	48		2016	
VO 0448	Tomato	2			CXL	2015	48		2016	
GC 0653	Triticale	0.5			CXL	2015	48		2016	
AS 0653	Triticale, hay and/or straw	7	(dw)		CXL	2015	48		2016	
GC 0654	Wheat	0.5			CXL	2015	48		2016	
CM 0654	Wheat bran, unprocessed	1.5			CXL	2015	48		2016	
CF 1210	Wheat germ	1			CXL	2015	48		2016	
AS 0654	Wheat, hay and/or straw	7	(dw)		CXL	2015	48		2016	

109 Fenbutatin Oxide

Main Uses: Acaricide

ADI: 0.03 mg/kg bw (1977), confirmed (1992)

ARfD: N/A

Residue: Fenbutatin oxide

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660	Almonds			CXL				1995	
FI	0327	Banana			CXL		28		1997	
FS	0013	Cherries (subgroup)			CXL		28		1997	
PM	0840	Chicken meat			CXL				1995	
PO	0840	Chicken, edible offal of			CXL				1995	
FC	0001	Citrus fruits (group)		(including kumquats)	CXL				1995	
AB	0001	Citrus pulp, dried			CXL				1995	
VC	0424	Cucumber			CXL				1995	
MO	0105	Edible offal (mammalian)			CXL		28		1997	
PE	0112	Eggs			CXL				1995	
AB	0269	Grape pomace, dried			CXL				1995	
FB	0269	Grapes			CXL				1995	
MM	0095	Meat (from mammals other than marine mammals)			CXL				1995	
ML	0106	Milks			CXL				1995	
FS	0247	Peach			CXL				1995	
TN	0672	Pecan			CXL				1995	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL					
FP	0009	Pome fruits (group)			CXL				1995	
DF	0014	Prunes			CXL		28		1997	
DF	5263	Raisins (seedless white grape var., partially dried)			CXL		28		1997	
FB	0275	Strawberry			CXL				1995	
VO	0448	Tomato			CXL				1995	
TN	0678	Walnuts			CXL		28		1997	

110 Imazalil

Main Uses: Fungicide

ADI: 0–0.03 mg/kg bw (1977, 2018)

ARfD: 0.05 mg/kg bw (2005)

Residue: For compliance with the MRL for plant and animal commodities: Imazalil.

For dietary risk assessment for plant commodities: Free and conjugated imazalil.

For dietary risk assessment for animal commodities: Sum of imazalil and the metabolite R061000 ((RS)-3-[2-(2,4-dichlorophenyl)-2-(2,3-dihydroxypropoxy)ethyl]imidazolidine-2,4-dione (+)-1-[2-(2,4-dichlorophenyl)-2-[(2,3-dihydroxypropyl)oxy]ethyl]-2,5-imidazolidinedione), expressed as imazalil equivalents.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	3	Po		CXL	2018	51		2019	
GC	0640 Barley	0.01	(*)		CXL	2018	51		2019	
AS	0640 Barley, hay and/or straw	0.01			CXL	2018	51		2019	
FC	0001 Citrus fruits (group)	15	Po		CXL	2021	53		2022	
OR	0001 Citrus oil, edible	500	Po		CXL	2021	53		2022	
AB	0001 Citrus pulp, dried	70	(dw) Po		CXL	2021	53		2022	
MO	0105 Edible offal (mammalian)	0.3			CXL	2018	51		2019	
PE	0112 Eggs	0.01	(*)		CXL	2018	51		2019	
MF	0100 Mammalian fats (except milk fats)	0.02			CXL	2018	51		2019	
MM	0095 Meat (from mammals other than marine mammals)	0.02	(*)		CXL	2018	51		2019	
ML	0106 Milks	0.02	(*)		CXL	2018	51		2019	
VR	0589 Potato	9	Po		CXL	2018	51		2019	
PF	0111 Poultry fats	0.02	(*)		CXL	2018	51		2019	
PM	0110 Poultry meat	0.02	(*)		CXL	2018	51		2019	
PO	0111 Poultry, edible offal of	0.02	(*)		CXL	2018	51		2019	
VO	0448 Tomato	0.3			CXL	2018	51		2019	
GC	0653 Triticale	0.01	(*)		CXL	2018	51		2019	
AS	0653 Triticale, hay and/or straw	0.01			CXL	2018	51		2019	
GC	0654 Wheat	0.01	(*)		CXL					

111 Iprodione

Main Uses: Fungicide

ADI: 0.06 mg/kg bw (1995)

ARfD: 0.6 mg/kg bw (2023)

Residue: For compliance with the MRL and for dietary risk assessment for plant commodities: Iprodione.

For compliance with the MRL for animal commodities: Not concluded.

For dietary risk assessment for animal commodities: Iprodione + 3-(3,5-dichlorophenyl)-2,4-dioximidazolidine-1-carboxamide (RP302490) + N-(3,5-dichloro-4-hydroxyphenyl)-2-carbamoylacetamide (RP36114).

Note: JMPR (2023) reconfirmed the ADI established in 1995. The ADI and ARfD also apply to metabolites RP32490, RP36114 and RP36115.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	50 (dw)			3	2023	55			
TN	0660 Almonds	0.2			CXL	94	28		1997	
TN	0660 Almonds	0.3			3	2023	55			
GC	0640 Barley	2			CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
VD	0071 Bean (dry)	0.1			CXL		28		1997	Withdrawal recommended by JMPR (2023).
AL	0061 Bean, hay and/or straw	20 (dw)			3	2023	55			
VP	0061 Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1.5			3	2023	55			
FB	0264 Blackberries	30			CXL	94	29	28	1997	Withdrawal recommended by JMPR (2023).
VB	0400 Broccoli	25			CXL	94	28		1997	
VB	0400 Broccoli	40			3	2023	55			On the basis of the information provided to JMPR (2023), it was concluded that the estimated acute dietary exposure to residues of iprodione for the consumption of broccoli may present a public health concern.
FB	2005 Cane berries (subgroup)	50			3	2023	55			
VR	0577 Carrot	10 Po			CXL	94	29	28	1997	Withdrawal recommended by JMPR (2023).
FS	0013 Cherries (subgroup)	10			CXL	94	29	28	1997	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0013	Cherries (subgroup)	0.3		3	2023	55			
VP	0526	Common bean (pods and/or immature seeds)	2		CXL	94	29	28	1997	Withdrawal recommended by JMPR (2023).
VC	0424	Cucumber	2		CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
FB	0269	Grapes	10		CXL	94				Withdrawal recommended by JMPR (2023).
FI	0341	Kiwifruit	5		CXL	94				Withdrawal recommended by JMPR (2023).
VL	0482	Lettuce, head	10		CXL	94				Withdrawal recommended by JMPR (2023).
VL	0483	Lettuce, leaf	25		CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
VA	0385	Onion, bulb	0.2		CXL	94	28		1997	
VA	0385	Onion, bulb	0.15		3	2023	55			
FS	0247	Peach	10		CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.05	(*)	3	2023	55			
FP	0009	Pome fruits (group)	5	Po	CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
VR	0589	Potato	0.05	(*)	3	2023	55			
AM	3604	Potato, culls	0.15		3	2023	55			
DV	0589	Potato, flakes/granules	0.05	(*)	3	2023	55			
SO	0495	Rape seed	0.5		CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
FB	0272	Raspberries, red, black	30		CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
CM	0649	Rice, husked	10		CXL	94	29	28	1997	Withdrawal recommended by JMPR (2023).
HS	0193	Spices, roots, and rhizomes	0.1		CXL		37		2005	Withdrawal recommended by JMPR (2023).
HS	0190	Spices, seeds	0.05	(*)	CXL		37		2005	Withdrawal recommended by JMPR (2023).
FB	0275	Strawberry	10		CXL	94				Withdrawal recommended by JMPR (2023).
VR	0596	Sugar beet	0.1	(*)	CXL	94	28		1997	Withdrawal recommended by JMPR (2023).
SO	0702	Sunflower seed	0.5		CXL	94				Withdrawal recommended by JMPR (2023).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0448 Tomato	5			CXL		31		1999	Withdrawal recommended by JMPR (2023).
VL	2832 Witloof chicory (sprouts)	1			CXL	94				Withdrawal recommended by JMPR (2023).

112 Phorate

Main Uses: Acaricide and Insecticide

ADI: 0-0.0007 mg/kg bw (2004)

ARfD: 0.003 mg/kg bw (2004)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Sum of the parent, its oxygen analogue, and their sulfoxides and sulfones, expressed as phorate.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071	Bean (dry)	0.05	(*)	CXL	05	38		2006	
SB	0716	Coffee beans	0.05	(*)	CXL	05	38		2006	
VP	0526	Common bean (pods and/or immature seeds)	0.05	(*)	CXL	05	38		2006	
HS	0779	Coriander, seed	0.1		CXL	2015	48		2016	
SO	0691	Cotton seed	0.05	(*)	CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	05	38		2006	
PE	0112	Eggs	0.05	(*)	CXL	05	38		2006	
HS	0731	Fennel, seed	0.1		CXL	2015	48		2016	
GC	0645	Maize	0.05	(*)	CXL	05	38		2006	
CF	1255	Maize flour	0.05		CXL	05	38		2006	
OC	0645	Maize oil, crude	0.1		CXL	05	38		2006	
OR	0645	Maize oil, edible	0.02		CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	05	38		2006	
ML	0106	Milks	0.01	(*)	CXL	05	38		2006	
VR	0589	Potato	0.3		CXL	12	45		2013	
PM	0110	Poultry meat	0.05	(*)	CXL	05	38		2006	
GC	0651	Sorghum grain	0.05	(*)	CXL	05	38		2006	
VD	0541	Soya bean (dry)	0.05	(*)	CXL	05	38		2006	
HS	0191	Spices, fruits, and berries	0.1	(*)	CXL		37		2005	
HS	0193	Spices, roots, and rhizomes	0.1	(*)	CXL		37		2005	
HS	0190	Spices, seeds	0.5		CXL	2015	48		2016	(except coriander seed and fennel seed)
VR	0596	Sugar beet	0.05	(*)	CXL	05	38		2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of	0.1	(*)	CXL	02	36	35	2004	
FS	0012	Stone fruits (group)	4		CXL	02	36	35	2004	
DT	1114	Tea, green, black (black, fermented and dried)	5		CXL	02	36	35	2004	
VO	0448	Tomato	2		CXL	02				
TN	0678	Walnuts	0.3		CXL	06	39		2007	

116 Triforine

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (2014)

ARfD: 0.3 mg/kg bw (2014)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Triforine.

For compliance with the MRL and for estimation of dietary intake for animal commodities: Triforine and its metabolites determined as chloral hydrate expressed as triforine.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0020	Blueberries	0.03							
MO	0105	Edible offal (mammalian)	0.01	(*)						
VO	0440	Eggplant	1							
MF	0100	Mammalian fats (except milk fats)	0.01	(*)						
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)						
ML	0106	Milks	0.01	(*)						
VO	0448	Tomato	0.7							

117 Aldicarb

Main Uses: Insecticide

ADI: 0.003 mg/kg bw (1992)

ARfD: 0.003 mg/kg bw (1995)

Residue: Plant commodities: Sum of aldicarb, aldicarb sulphoxide and aldicarb sulphone, expressed as aldicarb.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	94	28		1997	
AS	0640	Barley, hay and/or straw			CXL	94	28		1997	
VD	0071	Bean (dry)			CXL	94				
VB	0402	Brussels sprouts			CXL	93,94	28		1997	
FC	0001	Citrus fruits (group)			CXL	94				
SB	0716	Coffee beans			CXL	94				
SO	0691	Cotton seed			CXL	94				
OR	0691	Cotton seed oil, edible		(*)	CXL	94	28		1997	
FB	0269	Grapes			CXL	94	28		1997	
GC	0645	Maize			CXL	94				
AS	0645	Maize fodder (dry)			CXL	94	28		1997	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	94				
ML	0106	Milks		(*)	CXL	94				
VA	0385	Onion, bulb			CXL	94	28		1997	
SO	0697	Peanut			CXL	94	28		1997	
OR	0697	Peanut oil, edible		(*)	CXL	94	28		1997	
TN	0672	Pecan		1	CXL	94	28		1997	
GC	0651	Sorghum grain			CXL	94	28		1997	
AS	0651	Sorghum straw and fodder, dry			CXL	94				
VD	0541	Soya bean (dry)		(*)	CXL	94				
HS	0191	Spices, fruits, and berries			CXL		43		2011	
HS	0193	Spices, roots, and rhizomes			CXL		43		2011	
VR	0596	Sugar beet		(*)	CXL	94				
GS	0659	Sugar cane			CXL	94	28		1997	
SO	0702	Sunflower seed		(*)	CXL	94	28		1997	
VR	0508	Sweet potato			CXL	94				
GC	0654	Wheat			CXL	94	28		1997	
AS	0654	Wheat, hay and/or straw			CXL	94	28		1997	

118 Cypermethrins (including alpha- and zeta- cypermethrin)

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw Group ADI for cypermethrins, including alpha-cypermethrin and zeta-cypermethrin (2006)

ARfD: 0.04 mg/kg body weight. Group ARfD (JMPR 2009). (2006)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Cypermethrin (sum of isomers).

The residue is fat soluble.

Note: Group ADI for cypermethrins, including alpha-cypermethrin and zeta-cypermethrin. Group ARfD for cypermethrins, including alpha-cypermethrin and zeta-cypermethrin.

Source of data supporting the proposed MRLs: a: alpha-cypermethrin. c: cypermethrin. z: zeta-cypermethrin.

Capital letters show the source of data responsible for the MRL estimate. Small letters show the sources of other data for that commodity.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 1020	Alfalfa, hay and/or straw	30			CXL	08	41		2009	
VS 0620	Artichoke, globe	0.1			CXL	08	41		2009	
VS 0621	Asparagus	0.4	a,C		CXL	11	44		2012	
FI 0326	Avocado	0.5			3	2023	55			
GC 0640	Barley	2	Po C		CXL	09	42		2010	
AL 0061	Bean, hay and/or straw	2			CXL	08	41		2009	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	1			CXL	08	41		2009	
VA 2031	Bulb onions (subgroup)	0.05	(*)		3	2023	55			
FB 2006	Bush berries (subgroup)	1.5			3	2023	55			
FT 0289	Carambola	0.2			CXL	08	41		2009	
HS 0775	Cardamom	3			CXL	2015	48		2016	
GC 0080	Cereal grains (group)	0.3	Acz	(except rice barley, oats, rye and wheat)	CXL	09	42		2010	
FC 0001	Citrus fruits (group)	0.3	a,Z	(except shaddocks or pomelos)	CXL	11	45	44	2013	
SB 0716	Coffee beans	0.05	(*)		CXL	08	41		2009	
FI 0334	Durian	1			CXL	08	41		2009	
MO 0105	Edible offal (mammalian)	0.05	(*)	The MRL accommodates external animal treatment.	CXL	08	41		2009	
VO 0440	Eggplant	0.03			CXL	08	41		2009	
PE 0112	Eggs	0.01	(*)		CXL	11	44		2012	
VC 0045	Fruiting vegetables, cucurbits (group)	0.07			CXL	08	41		2009	
VR 0604	Ginseng	0.03	(*)		CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DV	0604	Ginseng, dried including red ginseng			CXL	2019	52		2021	
DM	0604	Ginseng, extracts			CXL	2019	52		2021	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	08	41		2009	
FB	0269	Grapes			CXL	08	41		2009	
VL	0053	Leafy vegetables (group)			CXL	08	41		2009	
VA	0384	Leek			CXL	08	41		2009	
VP	0060	Legume vegetables (group)			CXL	08	41		2009	
FI	0343	Litchi			CXL	08	41		2009	
FI	0342	Longan			CXL	08	41		2009	
FI	0345	Mango			CXL	08	41		2009	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	The MRL accommodates external animal treatment.	CXL	08	41	2009	
FM	0183	Milk fats			CXL	08	41		2009	
ML	0106	Milks			The MRL accommodates external animal treatment.	CXL	08	41	2009	
GC	0647	Oats		Po	C	CXL	09	42	2010	
SO	0088	Oilseeds and oilfruits (group)			CXL	08	41		2009	
VO	0442	Okra			CXL	08	41		2009	
OR	0305	Olive oil, refined			CXL	08	41		2009	
OC	0305	Olive oil, virgin			CXL	08	41		2009	
VA	0385	Onion, bulb			CXL	08	41		2009	
FI	0350	Papaya			CXL	08	41		2009	
AL	0072	Pea, hay and/or straw			CXL	08	41		2009	
VO	0444	Peppers chili			CXL	08	41		2009	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	08	41		2009	
FP	0009	Pome fruits (group)			CXL	08	41		2009	
PF	0111	Poultry fats			CXL	11	44		2012	
PM	0110	Poultry meat		(fat)	CXL	11	44		2012	
PO	0111	Poultry, edible offal of			CXL	11	44		2012	
VD	0070	Pulses (group)			CXL	08	41		2009	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			a,C,z	CXL	11	44	2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0649	Rice			CXL	08	41		2009	
VR	0075	Root and tuber vegetables (group)		(except sugar beet)	CXL	08	41		2009	
GC	0650	Rye	Po	C	CXL	09	42		2010	
HS	0191	Spices, fruits, and berries			CXL		43		2011	
HS	0193	Spices, roots, and rhizomes			CXL		37		2005	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			CXL	08	41		2009	
FB	0275	Strawberry			CXL	08	41		2009	
VR	0596	Sugar beet			CXL	08	41		2009	
GS	0659	Sugar cane			CXL	08	41		2009	
VO	0447	Sweet corn (corn-on-the-cob)		(*)	CXL	08	41		2009	
FT	0305	Table olives		(*)	CXL	08	41		2009	
DT	1114	Tea, green, black (black, fermented and dried)		C	CXL	11	44		2012	
VO	0448	Tomato			CXL	08	41		2009	
TN	0085	Tree nuts (group)		a,Z	CXL	11	44		2012	
GC	0654	Wheat	Po	C	CXL	09	42		2010	
CM	0654	Wheat bran, unprocessed	PoP	C	CXL	09	42		2010	

119 Fenvalerate

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2012)

ARfD: 0.2 mg/kg bw (2012)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Sum of fenvalerate isomers.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0401	Broccoli, Chinese	3		CXL	12	45		2013	
MO	0105	Edible offal (mammalian)	0.02		CXL					Withdrawal recommended (JMPR 2012). CCPR agreed to revoke all existing CXLs except those for spices, fruits, and berries; spices, roots, and rhizomes and those for edible offal (mammalian); meat and milks (to support the use of esfenvalerate on animal feed commodities) (45:29).
FI	0345	Mango	1.5		CXL	12	45		2013	
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)	CXL					See edible offal.
ML	0106	Milks	0.1	F	CXL					See edible offal.
HS	0191	Spices, fruits, and berries	0.03		CXL		43		2011	
HS	0193	Spices, roots, and rhizomes	0.05		CXL		43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs								
VC	0425	Gherkin								
FB	0268	Gooseberry								
FB	0269	Grapes								
DH	1100	Hops, dry								
VR	0583	Horseradish								
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)								
FI	0341	Kiwifruit								
VB	0405	Kohlrabi								
VA	0384	Leek								
VL	0482	Lettuce, head								
AS	0645	Maize fodder (dry)	100	(dw)						
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)						The MRL accommodates external animal treatment.
VC	0046	Melons, except watermelon	0.1							
ML	0106	Milks		F						
VO	0450	Mushrooms	0.1							
SO	0697	Peanut	0.1							
VP	0064	Peas, shelled (succulent seeds)	0.1							
VO	0051	Peppers (subgroup)	1							
HS	0444	Peppers chili, dried	10							
TN	0675	Pistachio nuts	0.05	(*)						
FP	0009	Pome fruits (group)	2							
VR	0589	Potato	0.05	(*)						
PM	0110	Poultry meat	0.1							
VR	0591	Radish, Japanese	0.1							
SO	0495	Rape seed	0.05	(*)						
FB	0272	Raspberries, red, black	1							
AS	0651	Sorghum straw and fodder, dry	20							
VD	0541	Soya bean (dry)	0.05	(*)						
OC	0541	Soya bean oil, crude	0.1							
AL	0541	Soya bean, hay and/or straw	50	(dw)						
HS	0093	Spices	0.05	(*)						
VL	0502	Spinach	2							

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0389	Spring onion			CXL					
VC	0431	Squash, summer			CXL					
FS	0012	Stone fruits (group)			CXL					
FB	0275	Strawberry			CXL					
VR	0596	Sugar beet		(*)	CXL					
SO	0702	Sunflower seed			CXL					
OC	0702	Sunflower seed oil, crude			CXL					
OR	0702	Sunflower seed oil, edible			CXL					
VO	0447	Sweet corn (corn-on-the-cob)			CXL					
AS	0447	Sweet corn fodder			CXL					
FT	0305	Table olives			CXL					
DT	1114	Tea, green, black (black, fermented and dried)			CXL					
VO	0448	Tomato			CXL					
CM	0654	Wheat bran, unprocessed		PoP	CXL					
CF	1211	Wheat flour		PoP	CXL					
CF	1210	Wheat germ		PoP	CXL					
CF	1212	Wheat wholemeal		PoP	CXL					
VC	0433	Winter squash			CXL					

122 Amitraz

Main Uses: Insecticide

ADI: 0.01 mg/kg bw (1998)

ARfD: 0.01 mg/kg bw (1998)

Residue: Sum of amitraz and N-(2,4-dimethylphenyl)-N'-methylformamidine calculated as N-(2,4-dimethylphenyl)-N'-methylformamidine.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0812	Cattle meat		The MRL accommodates external animal treatment.	CXL					
FS	0013	Cherries (subgroup)			CXL					
SO	0691	Cotton seed			CXL					
OC	0691	Cotton seed oil, crude			CXL					
VC	0424	Cucumber			CXL					
MO	0097	Edible offal of cattle, pigs & sheep		The MRL accommodates external animal treatment.	CXL					
ML	0106	Milks		The MRL accommodates external animal treatment.	CXL					
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL					
FS	0247	Peach			CXL					
MM	0818	Pig meat		The MRL accommodates external animal treatment.	CXL					
FP	0009	Pome fruits (group)			CXL					
MM	0822	Sheep meat		The MRL accommodates external animal treatment.	CXL					
VO	0448	Tomato			CXL				1991	

126 Oxamyl

Main Uses: Insecticide

ADI: 0-0.009 mg/kg bw (2017)

ARfD: 0.009 mg/kg bw (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Oxamyl.

The residue is not fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
VB	0402	Brussels sprouts	0.01	(*)	CXL	2017	50		2018		
VR	0577	Carrot	0.01	(*)	CXL	2017	50		2018		
VO	2700	Cherry tomato	0.01	(*)	CXL	2017	50		2018		
IM	1000	Clams			CXL						
VC	0424	Cucumber	0.02		CXL	2017	50		2018		
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2017	50		2018		
VO	2046	Eggplants (subgroup)	0.01	(*)	CXL	2017	50		2018		
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2017	50		2018		
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2017	50		2018		
VC	0046	Melons, except watermelon	0.01		CXL	2017	50		2018		
ML	0106	Milks	0.01	(*)	CXL	2017	50		2018		
VR	0588	Parsnip	0.01	(*)	CXL	2017	50		2018		
VO	0051	Peppers (subgroup)	0.01	(*)	MRL provisionally applies to okra, martynia, and roselle.	CXL	2017, 2018	51	50	2019	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	0.01	(*)	CXL	2017, 2018	51	50	2019		
VR	0589	Potato	0.01	(*)	CXL	2017	50		2018		
VC	0431	Squash, summer	0.04		CXL	2017	50		2018		
VR	0596	Sugar beet	0.01	(*)	CXL	2017	50		2018		
VO	0448	Tomato	0.01	(*)	CXL	2017	50		2018		
VC	0432	Watermelon	0.01		CXL	2017	50		2018		

128 Phenthoate

Main Uses: Insecticide

ADI: 0.003 mg/kg bw (1984)

ARfD: N/A

Residue: Phenthoate (fat-soluble)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0190 Spices, seeds	7			CXL		37		2005	

129 Azocyclotin

Main Uses: Acaricide

ADI: 0-0.003 mg/kg bw (1994; Group ADI 2005)

ARfD: 0.02 mg/kg body weight. Group ARfD for woman of child-bearing age and unnecessary for the rest of the population. (2005)

Residue: For compliance with MRLs and estimation of dietary intake in plant and animal commodities: Cyhexatin.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.2			CXL	05	38		2006	
FB	0021 Currants, black, red, white	0.1			CXL	05	38		2006	
FB	0269 Grapes	0.3			CXL	05	38		2006	
FC	0004 Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.2			CXL	05	38		2006	
FP	0230 Pear	0.2			CXL	05	38		2006	

130 Diflubenzuron

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2001)

ARfD: Unnecessary (2001)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Diflubenzuron. The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	0.05	(*)		CXL	2011	45	44	2013
FC	0001	Citrus fruits (group)	0.5			CXL	2002	36	35	2004
MO	0105	Edible offal (mammalian)	0.1	(*)		CXL	2002	36	35	2004
PE	0112	Eggs	0.05	(*)		CXL	2002			
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	3			CXL	2011	45	44	2013
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)		CXL	2002	36	35	2004
ML	0106	Milks	0.02	(*) F		CXL	2002	36	35	2004
VO	0450	Mushrooms	0.3			CXL	2002	36	35	2004
VL	0485	Mustard greens	10			CXL	2011	45	44	2013
FS	0245	Nectarine	0.5			CXL	2011	45	44	2013
GC	0647	Oats	0.05	(*)		CXL	2011	45	44	2013
FS	0247	Peach	0.5			CXL	2011	45	44	2013
SO	0697	Peanut	0.1			CXL	2011	45	44	2013
AL	0697	Peanut fodder	40			CXL	2011	45	44	2013
VO	0444	Peppers chili	3			CXL	2011	45	44	2013
HS	0444	Peppers chili, dried	20			CXL	2011	45	44	2013
VO	0445	Peppers, sweet (including pimento or pimiento)	0.7			CXL	2011	45	44	2013
FS	0014	Plums (including fresh prunes) (subgroup)	0.5			CXL	2011	45	44	2013
FP	0009	Pome fruits (group)	5			CXL	2002	36	35	2004
PM	0110	Poultry meat	0.05	(*) (fat)		CXL	2002	36	35	2004
GC	0649	Rice	0.01	(*)		CXL	2002	36	35	2004
AS	0649	Rice, hay and/or straw	0.7			CXL	2002	36	35	2004
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	1.5			CXL	2011	45	44	2013
DT	1114	Tea, green, black (black, fermented and dried)	40		3	2023		55		
TN	0085	Tree nuts (group)	0.2			CXL	2011	45	44	2013
GC	0653	Triticale	0.05	(*)		CXL	2011	45	44	2013
GC	0654	Wheat	0.05	(*)		CXL	2011	45	44	2013

132 Methiocarb

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (1998), confirmed (2005)

ARfD: 0.02 mg/kg bw (2005)

Residue: For compliance with MRLs and for estimation of dietary intake in plant commodities: The sum of methiocarb, methiocarb sulfoxide and methiocarb sulfone, expressed as methiocarb.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.05	(*)	CXL	05	38		2006	
GC	0640	Barley	0.05	(*)	CXL	05	38		2006	
AS	0640	Barley, hay and/or straw	0.05		CXL	05	38		2006	
VB	0402	Brussels sprouts	0.05	(*)	CXL	05	38		2006	
VB	0041	Cabbages, head	0.1		CXL	05	38		2006	
VB	0404	Cauliflower	0.1		CXL	05	38		2006	
TN	0666	Hazelnuts	0.05	(*)	CXL	05	38		2006	
VA	0384	Leek	0.5		CXL	05	38		2006	
VL	0482	Lettuce, head	0.05	(*)	CXL	05	38		2006	
GC	0645	Maize	0.05	(*)	CXL	05	38		2006	
VC	0046	Melons, except watermelon	0.2		CXL	05	38		2006	
VA	0385	Onion, bulb	0.5		CXL	05	38		2006	
AL	0072	Pea, hay and/or straw	0.5		CXL	05	38		2006	
VD	0072	Peas (dry)	0.1		CXL	05	38		2006	
VP	0063	Peas (pods and succulent=immature seeds)	0.1		CXL	05	38		2006	
VO	0445	Peppers, sweet (including pimento or pimiento)	2		CXL	05	38		2006	
VR	0589	Potato	0.05	(*)	CXL	05	38		2006	
SO	0495	Rape seed	0.05	(*)	CXL	05	38		2006	
HS	0191	Spices, fruits, and berries	0.07		CXL		43		2011	
HS	0193	Spices, roots, and rhizomes	0.1		CXL		43		2005	
FB	0275	Strawberry	1		CXL	99	34	33	2003	
VR	0596	Sugar beet	0.05	(*)	CXL	05	38		2006	
SO	0702	Sunflower seed	0.05	(*)	CXL	05	38		2006	
GC	0654	Wheat	0.05	(*)	CXL	05	38		2006	
AS	0654	Wheat, hay and/or straw	0.05		CXL	05	38		2006	

133 Triadimefon

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (1985)

ARfD: 0.08 mg/kg bw (2004)

Residue: For compliance with MRLs and estimation of dietary intake: Sum of triadimefon and triadimenol.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.3		Based on triadimenol use only	CXL	07	40		2008	
VS	0620 Artichoke, globe	0.7		Based on triadimenol use only	CXL	07	40		2008	
FI	0327 Banana	1		Based on triadimenol use only	CXL	07	41	40	2009	
GC	0080 Cereal grains (group)	0.2		Except maize and rice. Based on triadimefon and triadimenol uses	CXL	07	40		2008	
SB	0716 Coffee beans	0.5		Based on triadimenol use only	CXL	07	40		2008	
FB	0021 Currants, black, red, white	0.7		Based on triadimenol use only	CXL	07	40		2008	
MO	0105 Edible offal (mammalian)	0.01 (*)		Based on triadimefon and triadimenol uses	CXL	07	40		2008	
PE	0112 Eggs	0.01 (*)		Based on triadimefon and triadimenol uses	CXL	07	40		2008	
VC	0045 Fruiting vegetables, cucurbits (group)	0.2		Based on triadimenol use only	CXL	07	41	40	2009	
VO	0050 Fruiting vegetables, other than cucurbits (group)	1		Except fungi and sweet corn. Based on triadimefon and triadimenol uses.	CXL	07	41	40	2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1		based on triadimenol uses	CXL	2014	47		2015
FB	0269	Grapes	0.3		based on triadimenol uses	CXL	2014	47		2015
MM	0095	Meat (from mammals other than marine mammals)	0.02		Based on triadimefon and triadimenol uses	CXL	07	40		2008
ML	0106	Milks	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
HS	0444	Peppers chili, dried	5		Based on triadimefon and triadimenol uses	CXL	07	40		2008
FI	0353	Pineapple	5	Po	Based on triadimenol use only	CXL	07	40		2008
PM	0110	Poultry meat	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
PO	0111	Poultry, edible offal of	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5		Except maize. Based on triadimefon and triadimenol uses	CXL	07	40		2008
FB	0275	Strawberry	0.7		Based on triadimenol use only	CXL	07	40		2008
VR	0596	Sugar beet	0.05	(*)	Based on triadimenol use only	CXL	07	40		2008
AV	0596	Sugar beet leaves or tops (dry)	2				07			

135 Deltamethrin

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (1982), confirmed (2000)

ARfD: 0.05 mg/kg bw (2000)

Residue: For compliance with MRLs and for dietary risk assessment for plant and animal commodities: Sum of deltamethrin and its α -R- and trans- isomers.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	0.2			CXL	2002	36	35	2004
VR	0577	Carrot	0.02			CXL	2002	36	35	2004
GC	0080	Cereal grains (group)	2	Po		CXL	2002	36	35	2004
FC	0001	Citrus fruits (group)	0.02			CXL	2002	36	35	2004
PE	0112	Eggs	0.02	(*)		CXL	2002	36	35	2004
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.1			CXL	2002	36	35	2004
VC	0045	Fruiting vegetables, cucurbits (group)	0.2			CXL				
FB	0269	Grapes	0.2			CXL	2002	36	35	2004
TN	0666	Hazelnuts	0.02	(*)		CXL	2002	36	35	2004
MO	0098	Kidney of cattle, goats, pigs and sheep	0.03	(*)		CXL	2002	36	35	2004
VL	0053	Leafy vegetables (group)	2			CXL	2002	38	36,37	2006
VA	0384	Leek	0.2			CXL	2002	36	35	2004
VP	0060	Legume vegetables (group)	0.2			CXL	2002	36	35	2004
MO	0099	Liver of cattle, goats, pigs & sheep	0.03	(*)		CXL	2002	36	35	2004
MM	0095	Meat (from mammals other than marine mammals)	0.5	(fat)	The MRL accommodates external animal treatment.	CXL	2002			
ML	0106	Milks	0.05	F		CXL	2002	36	35	2004
VO	0450	Mushrooms	0.05			CXL	2002	36	35	2004
FS	0245	Nectarine	0.05			CXL	2002	36	35	2004
VA	0385	Onion, bulb	0.05			CXL	2002	36	35	2004
FI	0350	Papaya	0.2			3	2023	55		
FS	0247	Peach	0.05			CXL	2002	36	35	2004
FS	0014	Plums (including fresh prunes) (subgroup)	0.05			CXL	2002	36	35	2004
VR	0589	Potato	0.01	(*)		CXL	2002	36	35	2004
PM	0110	Poultry meat	0.1	(fat)		CXL	2002	36	35	2004

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of	0.02	(*)						
VD	0070	Pulses (group)	1		Po					
VR	0494	Radish	0.01	(*)						
SO	0495	Rape seed	0.2							
HS	0191	Spices, fruits, and berries	0.03							
HS	0193	Spices, roots, and rhizomes	0.5							
FB	0275	Strawberry	0.2					35		
SO	0702	Sunflower seed	0.05	(*)				35		
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)				35		
FT	0305	Table olives	1					35		
DT	1114	Tea, green, black (black, fermented and dried)	5					35		
VO	0448	Tomato	0.3					35		
TN	0678	Walnuts	0.02	(*)				35		
CM	0654	Wheat bran, unprocessed	5		PoP					1995
CF	1211	Wheat flour	0.3		PoP			35		
CF	1212	Wheat wholemeal	2		PoP			35		

138 Metalaxyl

Main Uses: Fungicide

ADI: 0–0.08 mg/kg bw Applies to metalaxyl and metalaxyl-M (alone or in combination) (2021)

ARfD: 0.5 mg/kg bw (Applies to metalaxyl and metalaxyl-M (alone or in combination) (2021)

Residue: For metalaxyl and metalaxyl-M for compliance with the MRL for plant commodities: Metalaxyl (sum of enantiomers).

For metalaxyl and metalaxyl-M for dietary risk assessment in plant commodities: Metalaxyl (sum of enantiomers) and N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (M8; free and conjugated; sum of enantiomers), expressed as metalaxyl.

For metalaxyl and metalaxyl-M for compliance with the MRL in animal commodities: Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M3 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.

For metalaxyl and metalaxyl-M for dietary risk assessment in animal commodities: Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M1 (N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine), M3 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester), M6 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine), M7 (N-(2,6-dimethyl-5-hydroxyphenyl)-N-(methoxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.

The residue is not fat-soluble.

Note: Residue data that was the basis for the estimation: metalaxyl (M), metalaxyl-M (MM) or monitoring (Mt). The MRLs for Metalaxyl-M (212) are the listed under Metalaxyl (138) (53:54).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.02 (*)	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
FI	0326 Avocado	0.2			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VB	0402 Brussels sprouts	0.15	(M)	(Residue data that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	
VB	0041 Cabbages, head	0.06	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
SB	0715 Cacao beans	0.2			CXL				1991	Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0577	Carrot		(MM)						
		0.02	(*)							
				(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
FC	0001	Citrus fruits (group)								Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
		5	Po		CXL					
VC	0424	Cucumber							1991	Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
		0.5			CXL					
VB	0042	Flowerhead brassicas		(M)						
		0.2		(Residue data (subgroup) that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	
VC	0425	Gherkin							1991	Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
		0.5			CXL					
VR	0604	Ginseng		(MM)						
		0.03	(*)							
				(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
DV	0604	Ginseng, dried including red ginseng		(MM)						
		0.06	(*)		CXL	2022	54		2023	
FB	0269	Grapes		(MM)						
		1.5		(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
DH	1100	Hops, dry								Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
		10			CXL					
VL	0483	Lettuce, leaf		(M)						
		1.5		(Residue data that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0445 Peppers, sweet (including pimento or pimiento)	0.5			7	2004	46	37, 38, 39, 40, 41, 42		Withdrawal recommended by JMPR (2021). CCPR retained the MRL at Step 7 awaiting submission of new data (53:53)
FI	0353 Pineapple	0.1	(M)		CXL	2022	54		2023	
VR	0589 Potato	0.02	(M)	(Residue data that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	
VL	0502 Spinach	0.02	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
VC	0431 Squash, summer	0.2			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VR	0596 Sugar beet	0.05			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
SO	0702 Sunflower seed	0.01	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
VO	2045 Tomatoes (subgroup)	0.3	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
VC	0432 Watermelon	0.2			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VC	0433 Winter squash	0.2			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).

142 Prochloraz

Main Uses: Fungicide

ADI: 0-0.01 mg/kg bw (1983), confirmed (2001)

ARfD: 0.1 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Sum of prochloraz and its metabolites containing the 2,4,6-trichlorophenol moiety, expressed as prochloraz.

The residue is fat-soluble.

Note: JMPR (2023) did not finalize the review for residues and will continue the periodic review in 2024.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0030	Assorted tropical and sub-tropical fruits - inedible peel	7	Po		CXL	04	37		2005
GC	0080	Cereal grains (group)	2			CXL	04	37		2005
FC	0001	Citrus fruits (group)	10	Po		CXL	04	45	37	2013
MO	0105	Edible offal (mammalian)	10			CXL	04	37		2005
PE	0112	Eggs	0.1			CXL	04	37		2005
SO	0693	Linseed	0.05	(*)		CXL	04	37		2005
MM	0095	Meat (from mammals other than marine mammals)	0.5	(fat)		CXL	04	37		2005
ML	0106	Milks	0.05	(*)		CXL	04	37		2005
VO	0450	Mushrooms	3			CXL	09	42		2010
HS	0790	Pepper, black, white	10			CXL	04	37		2005
PM	0110	Poultry meat	0.05	(*)		CXL	04	37		2005
PO	0111	Poultry, edible offal of	0.2			CXL	04	37		2005
SO	0495	Rape seed	0.7			CXL	04	37		2005
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	40			CXL	04	37		2005
SO	0702	Sunflower seed	0.5			CXL	04	37		2005
OR	0702	Sunflower seed oil, edible	1			CXL	04	37		2005
CM	0654	Wheat bran, unprocessed	7			CXL	04	37		2005

143 Triazophos

Main Uses: Acaricide and Insecticide

ADI: 0-0.001 mg/kg bw (2002)

ARfD: 0.001 mg/kg bw (2002)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Triazophos.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0775	Cardamom			CXL	2015	48		2016	
HS	0779	Coriander, seed			CXL	2015	48		2016	
SO	0691	Cotton seed			CXL	07	40		2008	
OC	0691	Cotton seed oil, crude			CXL	07	40		2008	
HS	0731	Fennel, seed			CXL	2015	48		2016	
CM	1205	Rice, polished			CXL	2013	46		2014	
VP	0541	Soya bean (immature seeds)			CXL	10	43		2011	
VP	0546	Soya bean (young pod)			CXL	10	43		2011	
HS	0191	Spices, fruits, and berries		(except cardamom)	CXL	2015	48		2016	
HS	0193	Spices, roots, and rhizomes			CXL		43		2005	

144 Bitertanol

Main Uses: Fungicide

ADI: 0.01 mg/kg bw (1988), confirmed (1998)

ARfD: Unnecessary (1998)

Residue: Bitertanol (fat-soluble)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0240	Apricot			CXL	02				
FI	0327	Banana			CXL	99				
GC	0640	Barley		(*)	CXL	99	33		2001	
AS	0640	Barley, hay and/or straw		(*)	CXL	99	33		2001	
FS	0013	Cherries (subgroup)			CXL	99	33		2001	
VC	0424	Cucumber			CXL	99				
MO	0105	Edible offal (mammalian)		(*)	CXL	99	33		2001	
PE	0112	Eggs		(*)	CXL	99	33		2001	
MM	0095	Meat (from mammals other than marine mammals)		(*) (fat)	CXL	99	33		2001	
ML	0106	Milks		(*)	CXL	99	33		2001	
FS	0245	Nectarine			CXL	99				
AS	0647	Oat straw and fodder, dry		(*)	CXL	99	33		2001	
GC	0647	Oats		(*)	CXL	99	33		2001	
FS	0247	Peach			CXL	99				
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	99				
FP	0009	Pome fruits (group)			CXL	99				
PM	0110	Poultry meat		(*)	CXL	99	33		2001	
PO	0111	Poultry, edible offal of		(*)	CXL	99	33		2001	
GC	0650	Rye		(*)	CXL	99	33		2001	
AS	0650	Rye straw and fodder, dry		(*)	CXL	99	33		2001	
VO	0448	Tomato			CXL	99	34	33	2003	
GC	0653	Triticale		(*)	CXL	99	33		2001	
AS	0653	Triticale, hay and/or straw		(*)	CXL	99	33		2001	
GC	0654	Wheat		(*)	CXL	99	33		2001	
AS	0654	Wheat, hay and/or straw		(*)	CXL	99	33		2001	

145 Carbosulfan

Main Uses: Insecticide

ADI: 0–0.01 mg/kg bw (2003)

ARfD: 0.02 mg/kg bw (2003)

Residue: For compliance with the MRL for plant commodities: Carbosulfan plus carbofuran (expressed as carbosulfan).

For dietary risk assessment for plant commodities: Carbosulfan plus 10×(sum of carbofuran, 3-hydroxy carbofuran (free and conjugated), 3-hydroxy-7-phenol and 3-keto-7-phenol), expressed as carbosulfan for long-term dietary exposure and Carbosulfan plus 20×(sum of carbofuran, 3-hydroxy carbofuran (free and conjugated), 3-hydroxy-7-phenol and 3-keto-7-phenol), expressed as carbosulfan for acute dietary exposure.

For compliance with the MRL and for dietary risk assessment for animal commodities: Not established

Note: JMPR (2023) reconfirmed the ADI and ARfD established in 2003.

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AB 0001	Citrus pulp, dried	0.1			CXL	1997	37	31-36	2005	Withdrawal recommended by JMPR (2023).
SO 0691	Cotton seed	0.05			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
MO 0105	Edible offal (mammalian)	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
VO 0440	Eggplant	0.15			3	2023	55			
PE 0112	Eggs	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
GC 0645	Maize	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
FC 0206	Mandarin	0.1			CXL	1999	42	31-41	2010	Withdrawal recommended by JMPR (2023).
FI 0345	Mango	0.1			3	2023	55			
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*) (fat)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.1			CXL	1997	42	31-41	2010	Withdrawal recommended by JMPR (2023).
PM 0110	Poultry meat	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
PO 0111	Poultry, edible offal of	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
AS 0649	Rice, hay and/or straw	0.05 (*)			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).
HS 0191	Spices, fruits, and berries	0.07			CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
HS 0193	Spices, roots, and rhizomes	0.1			CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
VR 0596	Sugar beet	0.3			CXL	2003	37	36	2005	Withdrawal recommended by JMPR (2023).

146 Cyhalothrin (includes lambda-cyhalothrin)

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2007)

ARfD: 0.02 mg/kg bw (2007)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Cyhalothrin (sum of all isomers).

The residue is fat soluble.

Note: ADI and ARfD for cyhalothrin and lambda-cyhalothrin (2007). The 2018 JMPR concluded that the new studies do not have any impact on the ADI of 0–0.02 mg/kg bw or the ARfD of 0.02 mg/kg bw established in 2007 and that on the basis of available data, the metabolites evaluated appear to be less acutely toxic orally than the parent compound.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	2		CXL	08	41		2009	
FS	0240	Apricot	0.5		CXL	08	41		2009	
VS	0621	Asparagus	0.02		CXL	08	41		2009	
GC	0640	Barley	0.5		CXL	08	41		2009	
HH	0722	Basil, leaves	0.7		CXL	2015	48		2016	
FB	0018	Berries and other small fruits	0.2		CXL	08	41		2009	
VA	0035	Bulb vegetables (group)	0.2		CXL	08	41		2009	
VB	0041	Cabbages, head	0.3		CXL	08	41		2009	
HS	0775	Cardamom	2		CXL	2015	48		2016	
FS	0013	Cherries (subgroup)	0.3		CXL	08	41		2009	
FC	0001	Citrus fruits (group)	0.2		CXL	08	45	41	2013	
SB	0716	Coffee beans	0.01	(*)	CXL	2015	48		2016	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.5		CXL	08	41		2009	
VC	0045	Fruiting vegetables, cucurbits (group)	0.05		CXL	08	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.3	(except mushrooms)	CXL	08	41		2009	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	0.3		CXL	08	41		2009	
MO	0098	Kidney of cattle, goats, pigs and sheep	0.2		CXL	08	41		2009	
VP	0060	Legume vegetables (group)	0.2		CXL	08	41		2009	
MO	0099	Liver of cattle, goats, pigs & sheep	0.05		CXL	08	41		2009	
GC	0645	Maize	0.02		CXL	08	41		2009	
FI	0345	Mango	0.2		CXL	08	41		2009	
MM	0095	Meat (from mammals other than marine mammals)	3	(fat)	CXL	08	41		2009	
ML	0106	Milks	0.2		CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0245	Nectarine			CXL	08	41		2009	
GC	0647	Oats			CXL	08	41		2009	
SO	0088	Oilseeds and oilfruits (group)			CXL	08	41		2009	
FS	0247	Peach			CXL	08	41		2009	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
FS	0014	Plums (including fresh prunes) (subgroup)		(except prunes)	CXL	08	41		2009	
FP	0009	Pome fruits (group)			CXL	08	41		2009	
VD	0070	Pulses (group)			CXL	08	41		2009	
GC	0649	Rice			CXL	08	41		2009	
VR	0075	Root and tuber vegetables (group)			CXL	08	41		2009	(*)
GC	0650	Rye			CXL	08	41		2009	
HS	0191	Spices, fruits, and berries		(except cardamom)	CXL	2015	48		2016	
HS	0193	Spices, roots, and rhizomes			CXL		43		2005	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			CXL	08	41		2009	
GS	0659	Sugar cane			CXL	08	41		2009	
FT	0305	Table olives			CXL	08	41		2009	
TN	0085	Tree nuts (group)			CXL	08	41		2009	(*)
GC	0653	Triticale			CXL	08	41		2009	
GC	0654	Wheat			CXL	08	41		2009	
CM	0654	Wheat bran, unprocessed			CXL	08	41		2009	

147 Methoprene

Main Uses: Insect growth regulator

ADI: 0-0.09 mg/kg bw for the R,S racemate

0- 0.05 mg/kg bw for S-methoprene (2005)

ARfD: Unnecessary (2005)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Methoprene.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080	Cereal grains (group)	10	Po	CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.02		CXL	05	38		2006	
PE	0112	Eggs	0.02		CXL	05	38		2006	
OC	0645	Maize oil, crude	200	PoP	CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL	05	38		2006	
ML	0106	Milks	0.1	F	CXL	05	38		2006	
SO	0089	Oilseed, except peanut	4	Po	CXL	2016	49		2017	
SO	0703	Peanut, whole	5	Po	CXL	2019	52		2021	
PM	0110	Poultry meat	0.02		CXL	05	38		2006	
PO	0111	Poultry, edible offal of	0.02		CXL	05	38		2006	
CM	1207	Rice hulls	40	PoP	CXL	05	38		2006	
VD	0541	Soya bean (dry)	3	Po	CXL	2021	53		2022	
CM	0654	Wheat bran, unprocessed	25	PoP	CXL	05	38		2006	

148 Propamocarb

Main Uses: Fungicide

ADI: 0-0.4 mg/kg bw (2005)

ARfD: 2 mg/kg bw (2005)

Residue: For compliance with MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Propamocarb.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0400	Broccoli	3		CXL	2014	47		2015	
VB	0402	Brussels sprouts	2		CXL	2014	47		2015	
VB	0041	Cabbages, head	1		CXL	2014, 2018	51	47	2019	
VB	0404	Cauliflower	2		CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	1.5		CXL	2018	51		2019	
VO	0440	Eggplant	0.3		CXL	2006	39		2007	
PE	0112	Eggs	0.01	(*)	CXL	2014	47		2015	
VC	0045	Fruiting vegetables, cucurbits (group)	5		CXL	2006	39		2007	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	20		CXL	2014, 2018	51	47	2019	
VA	0384	Leek	30		CXL	2014	47		2015	
VL	0482	Lettuce, head	100		CXL	2006	39		2007	
VL	0483	Lettuce, leaf	100		CXL	2006	39		2007	
MF	0100	Mammalian fats (except milk fats)	0.03		CXL	2018	51		2018	
MM	0095	Meat (from mammals other than marine mammals)	0.03		CXL	2018	51		2019	
ML	0106	Milks	0.01	(*)	CXL	2018	51		2019	
VA	0385	Onion, bulb	2		CXL	2014	47		2015	
HS	0444	Peppers chili, dried	10		CXL	2004	38	37	2006	
VO	0445	Peppers, sweet (including pimento or pimiento)	3		CXL	2006	39		2007	
VR	0589	Potato	0.3		CXL	2006	39		2007	
PF	0111	Poultry fats	0.01	(*)	CXL	2014	47		2015	
PM	0110	Poultry meat	0.01	(*)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2014	47		2015	
VR	0494	Radish	1		CXL	2006	39		2007	
VL	0502	Spinach	40		CXL	2006	39		2007	
VO	0448	Tomato	2		CXL	2006	39		2007	
VL	2832	Witloof chicory (sprouts)	2		CXL	2006	39		2007	

149 Ethoprophos

Main Uses: Insecticide

ADI: 0-0.0004 mg/kg bw (1999)

ARfD: 0.05 mg/kg bw (1999)

Residue: For compliance with MRLs and estimation of dietary intake in plant and animal commodities: Ethoprophos.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.02		CXL	04	37		2005	
VC	0424	Cucumber	0.01		CXL	04	37		2005	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	04	37		2005	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	04	37		2005	
VC	0046	Melons, except watermelon	0.02		CXL	04	37		2005	
ML	0106	Milks	0.01	(*)	CXL	04	37		2005	
HS	0444	Peppers chili, dried	0.2		CXL	04	38	37	2006	
VO	0445	Peppers, sweet (including pimento or pimiento)	0.05		CXL	04	37		2005	
VR	0589	Potato	0.05		CXL	04	37		2005	
FB	0275	Strawberry	0.02	(*)	CXL					
GS	0659	Sugar cane	0.02		CXL	04	37		2005	
AM	0659	Sugar cane fodder	0.02	(*)	CXL					
VR	0508	Sweet potato	0.05		CXL	04	37		2005	
VO	0448	Tomato	0.01	(*)	CXL	04	37		2005	
VR	0506	Turnip, Garden	0.02	(*)	CXL					

151 Dimethipin

Main Uses: Plant growth regulator

ADI: 0-0.02 mg/kg bw (1988); confirmed (1999, 2004)

ARfD: 0.2 mg/kg bw (2004)

Residue: Dimethipin

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0691	Cotton seed	1		CXL	01	35		2003	
OC	0691	Cotton seed oil, crude	0.1		CXL	01	35		2003	
OR	0691	Cotton seed oil, edible	0.1		CXL	01	35		2003	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	01	35		2003	
PE	0112	Eggs	0.01	(*)	CXL	01	35		2003	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	01	35		2003	
ML	0106	Milks	0.01	(*)	CXL	01	34		2003	
VR	0589	Potato	0.05	(*)	CXL	01	35		2003	
PM	0110	Poultry meat	0.01	(*)	CXL	01	35		2003	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	01	35		2003	
SO	0495	Rape seed	0.2		CXL	01	35		2003	
SO	0702	Sunflower seed	1		CXL	01	35		2003	

155 Benalaxyl

Main Uses: Fungicide

ADI: 0-0.07 mg/kg bw (2005), confirmed (2009)

ARfD: 0.1 mg/kg body weight. Group ARfD for woman of child-bearing age and unnecessary for the rest of the population. (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Benalaxyl.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0269	Grapes	0.3		CXL	09	42		2010	
VL	0482	Lettuce, head	1		CXL	09	42		2010	
VC	0046	Melons, except watermelon	0.3		CXL	09	42		2010	
VA	0385	Onion, bulb	0.02	(*)	CXL	09	42		2010	
VR	0589	Potato	0.02	(*)	CXL	09	42		2010	
VO	0448	Tomato	0.2		CXL	09	42		2010	
VC	0432	Watermelon	0.1		CXL	09	42		2010	

156 Clofentezine

Main Uses: Acaricide

ADI: 0-0.02 mg/kg bw (1986), confirmed (2005)

ARfD: Unnecessary (2005)

Residue: For compliance with MRLs and estimation of dietary intake for plant commodities: Clofentezine.

For compliance with MRLs for animal commodities: Sum of clofentezine, and all metabolites containing the 2-chlorobenzoyl moiety, expressed as clofentezine.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	5		CXL	07	40		2008	
FC	0001	Citrus fruits (group)	0.5		CXL	07	40		2008	
VC	0424	Cucumber	0.5		CXL	07	40		2008	
FB	0021	Currants, black, red, white	0.2		CXL	07	40		2008	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	07	40		2008	
PE	0112	Eggs	0.05	(*)	CXL	07	40		2008	Residues are not expected as dietary burden in poultry is zero (JMPR, 2007)
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	07	40		2008	
FB	0269	Grapes	2		CXL	07	40		2008	
DH	1100	Hops, dry	7		CXL	2021	53		2022	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	07	40		2008	
VC	0046	Melons, except watermelon	0.1		CXL	07	40		2008	
ML	0106	Milks	0.05	(*)	CXL	07	40		2008	
FP	0009	Pome fruits (group)	0.5		CXL	07	40		2008	
PM	0110	Poultry meat	0.05	(*)	CXL	07	40		2008	Residues are not expected as dietary burden in poultry is zero (JMPR, 2007)
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	07	40		2008	Residues are not expected as dietary burden in poultry is zero (JMPR, 2007)
FS	0012	Stone fruits (group)	0.5		CXL	07	40		2008	
FB	0275	Strawberry	2		CXL	07	40		2008	
VO	0448	Tomato	0.5		CXL	07	40		2008	
TN	0085	Tree nuts (group)	0.5		CXL	07	40		2008	

157 Cyfluthrin/beta-cyfluthrin

Main Uses: Insecticide

ADI: 0-0.04 mg/kg bw Group ADI (2006)

ARfD: 0.04 mg/kg body weight. Group ARfD (JMPR 2009). (2006)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Cyfluthrin (sum of isomers). The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	07	40		2008	
VB	0041	Cabbages, head			CXL	07,12	45	43	2013	
VB	0404	Cauliflower			CXL	07	40		2008	
FC	0001	Citrus fruits (group)			CXL	07	40		2008	
AB	0001	Citrus pulp, dried			CXL	07	40		2008	
SO	0691	Cotton seed			CXL	07	40		2008	
OC	0691	Cotton seed oil, crude			CXL	07	40		2008	
MO	0105	Edible offal (mammalian)			CXL	12	45		2013	
VO	0440	Eggplant			CXL	07	40		2008	
PE	0112	Eggs			CXL	07	40		2008	
MM	0095	Meat (from mammals other than marine mammals)			CXL	12	45		2013	
ML	0106	Milks			CXL	12	45		2013	
FP	0230	Pear			CXL	07	40		2008	
VO	0051	Peppers (subgroup)			CXL	07	40		2008	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	07	40		2008	
VR	0589	Potato			CXL	07	40		2008	
PM	0110	Poultry meat			CXL	07	40		2008	
PO	0111	Poultry, edible offal of			CXL	07	40		2008	
SO	0495	Rape seed			CXL	07	40		2008	
VD	0541	Soya bean (dry)			CXL	12	45		2013	
AL	0541	Soya bean, hay and/or straw			CXL	12	45		2013	
HS	0191	Spices, fruits, and berries			CXL		43		2011	
HS	0193	Spices, roots, and rhizomes			CXL		43		2011	
VO	0448	Tomato			CXL	07	40		2008	

158 Glyphosate

Main Uses: Herbicide

ADI: 0-1 mg/kg bw for the sum of glyphosate, N-acetyl-glyphosate, AMPA and N-acetyl-AMPA (2011)

ARfD: Unnecessary (2011)

Residue: For compliance with MRL for plant commodities - for soya bean, maize, and rape: Sum of glyphosate and N-acetylglyphosate, expressed as glyphosate, for other crops: Glyphosate.

For compliance with MRL for animal commodities: Sum of glyphosate and N-acetylglyphosate, expressed as glyphosate.

For estimation of dietary intake) for plant and animal commodities: glyphosate, N-acetylglyphosate, AMPA and N-acetyl AMPA, expressed as glyphosate.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw			CXL	05	38		2006	
FI	0327	Banana		(*)	CXL	05	38		2006	
AS	0640	Barley, hay and/or straw			CXL	05	38		2006	
AL	0061	Bean, hay and/or straw			CXL	05	38		2006	
GC	0080	Cereal grains (group)		(except maize and Rice)	CXL	05	38		2006	
SO	0691	Cotton seed			CXL	05	38		2006	
VD	2065	Dry beans (subgroup)		(except soya beans)	CXL	2019	52		2021	
VD	2066	Dry peas (subgroup)			CXL	2019	52		2021	
MO	0105	Edible offal (mammalian)		(except pigs)	CXL	05	38		2006	
PE	0112	Eggs		(*)	CXL	05	38		2006	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			CXL	05	38		2006	
GC	0645	Maize			CXL	05	38		2006	
AS	0645	Maize fodder (dry)			CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	05	38		2006	
ML	0106	Milks		(*)	CXL	05	38		2006	
AS	0647	Oat straw and fodder, dry			CXL	05	38		2006	
AL	0072	Pea, hay and/or straw			CXL	05	38		2006	
MO	0818	Pig, edible offal of			CXL	05	38		2006	
PM	0110	Poultry meat		(*)	CXL	05	38		2006	
PO	0111	Poultry, edible offal of			CXL	05	38		2006	
SO	0495	Rape seed			CXL	2013	46		2014	
AS	0651	Sorghum straw and fodder, dry			CXL	05	38		2006	
VD	0541	Soya bean (dry)			CXL	05	38		2006	
VR	0596	Sugar beet			CXL	11	44		2012	
GS	0659	Sugar cane			CXL	05	38		2006	
DM	0659	Sugar cane molasses			CXL	05	38		2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0702	Sunflower seed	7		CXL	05	38		2006	
VO	0447	Sweet corn (corn-on-the-cob)	3		CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed	20		CXL	05	38		2006	
AS	0654	Wheat, hay and/or straw	300		CXL	05	38		2006	

159 Vinclozolin

Main Uses: Fungicide

ADI: 0.01 mg/kg bw (1995)

ARfD: N/A

Residue: Sum of vinclozolin and all metabolites containing the 3,5-dichloroaniline moiety, expressed as vinclozolin.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0093 Spices	0.05 (*)			CXL		37		2005	Procymidone (136) and Vinclozolin (159) are no longer supported by industry and member countries. Therefore, the Committee decided that all CXLs for these 2 compounds should be revoked (43-139). The Committee agreed to retain the CXL for vinclozolin on spices (despite vinclozolin having recently been deleted from the substance list) because residues were at or about the limit of quantification and there was no intake concern (44-83).

160 Propiconazole

Main Uses: Fungicide

ADI: 0-0.07 mg/kg bw (2004)

ARfD: 0.3 mg/kg bw (2004)

Residue: For compliance with the MRL for plant and animal commodities: Propiconazole.

For the estimation of dietary exposure / for dietary risk assessment for plant and animal commodities: Propiconazole plus all metabolites convertible to 2,4-dichloro-benzoic acid, expressed as propiconazole.

The residue is fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0326	Avocado	0.02			3	2023	55			
FI 0327	Banana	0.1			CXL	2007	40		2008	
GC 0640	Barley	2			CXL	2015	48		2016	
AS 0640	Barley, hay and/or straw	8			CXL	2014	47		2015	
FS 0013	Cherries (subgroup)	3	Po		CXL	2018	51		2019	
SB 0716	Coffee beans	0.02			CXL	2007	40		2008	
FB 0265	Cranberry	0.3			CXL	2006, 2007	40	39	2008	
MO 0105	Edible offal (mammalian)	0.5			CXL	2014	47		2015	
MO 0105	Edible offal (mammalian)	0.2			3	2023	55			
PE 0112	Eggs	0.01	(*)		CXL	2007	40		2008	
FC 0002	Lemons and limes (including citron) (subgroup)	10	Po		CXL	2018	51		2019	
GC 0645	Maize	0.05			CXL	2007	40		2008	
MF 0100	Mammalian fats (except milk fats)	0.01	(*)		CXL	2014	47		2015	
MF 0100	Mammalian fats (except milk fats)	0.05			3	2023	55			
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	10	Po		CXL	2018	51		2019	
MM 0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)		CXL	2014	47		2015	
ML 0106	Milks	0.01	(*)		CXL	2014	47		2015	
AS 0647	Oat straw and fodder, dry	8			CXL	2014	47		2015	
GC 0647	Oats	0.7			CXL	2015	48		2016	
OR 0004	Orange oil, edible	1850			CXL	2018	51		2019	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	10	Po		CXL	2018	51		2019	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	4	Po		CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut			3	2023	55			
AL	0697	Peanut, hay and/or straw		(dw)	3	2023	55			
TN	0672	Pecan		(*)	CXL	2007	40		2008	
FI	0353	Pineapple		Po	CXL	2018	51		2019	
FS	0014	Plums (including fresh prunes) (subgroup)		Po	CXL	2018	51		2019	
GC	0656	Popcorn			CXL	2007	40		2008	
PF	0111	Poultry fats		(*)	3	2023	55			
PM	0110	Poultry meat		(*) (fat)	CXL	2007	40		2008	
PM	0110	Poultry meat		(*)	3	2023	55			
PO	0111	Poultry, edible offal of		(*)	3	2023	55			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)		Po	CXL	2018	51		2019	
SO	0495	Rape seed			CXL	2007	40		2008	
GC	0649	Rice			3	2023	55			
CF	0649	Rice bran, processed			3	2023	55			
AS	3570	Rice, hulls			3	2023	55			
CM	0649	Rice, husked			3	2023	55			
CM	1205	Rice, polished			3	2023	55			
GC	0650	Rye			CXL	2015	48		2016	
AS	0650	Rye straw and fodder, dry			CXL	2014	47		2015	
VD	0541	Soya bean (dry)			CXL	2007	40		2008	
AL	0541	Soya bean, hay and/or straw			CXL	2007	40		2008	
VR	0596	Sugar beet			CXL	2007	40		2008	
GS	0659	Sugar cane		(*)	CXL	2007	40		2008	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2007	40		2008	
VO	0448	Tomato		Po	CXL	2013	46		2014	
GC	0653	Triticale			CXL	2015	48		2016	
AS	0653	Triticale, hay and/or straw			CXL	2014	47		2015	
GC	0654	Wheat			CXL	2015	48		2016	
AS	0654	Wheat, hay and/or straw			CXL	2014	47		2015	

165 Flusilazole

Main Uses: Fungicide

ADI: 0-0.007 mg/kg bw (2007)

ARfD: 0.02 mg/kg bw (2007)

Residue: For compliance with MRLs and estimation of dietary intake for plant commodities: Flusilazole.

For compliance with MRLs and estimation of dietary intake for animal commodities: Flusilazole plus [bis(4-fluorophenyl)methyl]silanol.

Flusilazole is fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FS 0240	Apricot	0.2			CXL	07	40		2008	
FI 0327	Banana	0.03			CXL	07	40		2008	
GC 0080	Cereal grains (group)	0.2		(except rice)	CXL	07	40		2008	
MO 0105	Edible offal (mammalian)	2			CXL	07	41	40	2009	
PE 0112	Eggs	0.1			CXL	07	40		2008	
AB 0269	Grape pomace, dried	2			CXL	07	40		2008	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	0.3			CXL	07	40		2008	
FB 0269	Grapes	0.2			CXL	07	40		2008	
MM 0095	Meat (from mammals other than marine mammals)	1	(fat)		CXL	07	40		2008	
ML 0106	Milks	0.05			CXL	07	40		2008	
FS 0245	Nectarine	0.2			CXL	07	41	40	2009	
FS 0247	Peach	0.2			CXL	07	41	40	2009	
FP 0009	Pome fruits (group)	0.3			CXL	07	41	40	2009	
PM 0110	Poultry meat	0.2			CXL	07	40		2008	
PO 0111	Poultry, edible offal of	0.2			CXL	07	40		2008	
SO 0495	Rape seed	0.1			CXL	07	40		2008	
VD 0541	Soya bean (dry)	0.05			CXL	07	40		2008	
AB 0541	Soya bean hulls	0.05			CXL	07	40		2008	
OR 0541	Soya bean oil, refined	0.1			CXL	07	40		2008	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5		(except rice)	CXL	07	40		2008	
VR 0596	Sugar beet	0.05			CXL	07	40		2008	
SO 0702	Sunflower seed	0.1			CXL	07	40		2008	
VO 0447	Sweet corn (corn-on-the-cob)	0.01	(*)		CXL	07	40		2008	
AS 0447	Sweet corn fodder	2			CXL	07	40		2008	

166 Oxydemeton-Methyl

Main Uses: Insecticide

ADI: 0-0.0003 mg/kg bw Group ADI for demeton-S-methyl and related compounds (JMPR 2004)

ARfD: 0.002 mg/kg bw (2002)

Residue: For compliance with MRLs and estimation of dietary intake in plant commodities: Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl. The residue definition and MRLs are based on the use of oxydemeton-methyl only.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	0.02	(*)	CXL	04	38	32-37	2006	
AS	0640	Barley, hay and/or straw	0.1		CXL	04	38	32,34-37	2006	
MF	0812	Cattle fat	0.05	(*)	CXL	98	38	32-37	2006	
VB	0404	Cauliflower	0.01	(*)	CXL	04	38	37	2006	
VD	0526	Common bean (dry)	0.1		CXL	98	38	32-37	2006	
SO	0691	Cotton seed	0.05		CXL	98	38	32-37	2006	
PE	0112	Eggs	0.05	(*)	CXL	98	38	32-37	2006	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	0.01	(*)	CXL	98	38	32-34,36,37	2006	
VB	0405	Kohlrabi	0.05		CXL	98	38	32-37	2006	
FC	0204	Lemon	0.2		CXL	98	38	32-37	2006	
MM	0097	Meat of cattle, pigs & sheep	0.05	(*)	CXL	98	38	32-37	2006	
ML	0106	Milks	0.01	(*)	CXL	98	38	32-37	2006	
FP	0230	Pear	0.05		CXL	98	38	32-37	2006	
MF	0818	Pig fat	0.05	(*)	CXL	98	38	32-37	2006	
VR	0589	Potato	0.01	(*)	CXL	04	38	32-37	2006	
PF	0111	Poultry fats	0.05	(*)	CXL	98	38	32-37	2006	
PM	0110	Poultry meat	0.05	(*)	CXL	98	38	32-37	2006	
GC	0650	Rye	0.02	(*)	CXL	04	38	32-37	2006	
AS	0650	Rye straw and fodder, dry	0.1		CXL	04	38	32,34-37	2006	
MF	0822	Sheep fat	0.05	(*)	CXL	98	38	32-37	2006	
VR	0596	Sugar beet	0.01	(*)	CXL	04	38	32-37	2006	
GC	0654	Wheat	0.02	(*)	CXL	04	38	32-37	2006	
AS	0654	Wheat, hay and/or straw	0.1		CXL	04	38	32,34-37	2006	

167 Terbufos

Main Uses: Nematocide

ADI: 0-0.0006 mg/kg bw (1989)

ARfD: 0.002 mg/kg bw (2003)

Residue: For compliance with MRLs and for estimation of dietary intake in plant and animal commodities: Sum of terbufos, its oxygen analogue and their sulphoxides and sulphones, expressed as terbufos.

Note: No short-term dietary intake was calculated due to insufficient data (JMPR 2003).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.05		CXL	05	38		2006	
SB	0716	Coffee beans	0.05 (*)		CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.05 (*)		CXL	05	38		2006	
PE	0112	Eggs	0.01 (*)		CXL	05	38		2006	
GC	0645	Maize	0.01 (*)		CXL	05	38		2006	
AS	0645	Maize fodder (dry)	0.2		CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)	0.05 (*)		CXL	05	38		2006	
ML	0106	Milks	0.01 (*)		CXL	05	38		2006	
PM	0110	Poultry meat	0.05 (*)		CXL	05	38		2006	
PO	0111	Poultry, edible offal of	0.05 (*)		CXL	05	38		2006	
GC	0651	Sorghum grain	0.01 (*)		CXL	05	38		2006	
AS	0651	Sorghum straw and fodder, dry	0.3 (dw)		CXL	05	38		2006	
VR	0596	Sugar beet	0.02		CXL	05	38		2006	
VO	0447	Sweet corn (corn-on-the-cob)	0.01		CXL	05	38		2006	

168 Triadimenol

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (1989, 2004)

ARfD: 0.08 mg/kg bw (2004)

Residue: For compliance with MRLs and for the estimation of dietary intake for plant and animal commodities: Sum of triadimefon and triadimenol.

Triadimefon and triadimenol are fat-soluble.

Note: Source of data resulting from the uses of: TF=triadimefon; TN=triadimenol.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.3			CXL	07	40		2008	Based on triadimenol use only
VS	0620 Artichoke, globe	0.7			CXL	07	40		2008	Based on triadimenol use only
FI	0327 Banana	1			CXL	07	41	40	2009	Based on triadimenol use only
GC	0080 Cereal grains (group)	0.2		(except maize and rice)	CXL	07	40		2008	Based on triadimefon and triadimenol uses
SB	0716 Coffee beans	0.5			CXL	07	40		2008	Based on triadimenol use only
FB	0021 Currants, black, red, white	0.7			CXL	07	40		2008	
MO	0105 Edible offal (mammalian)	0.01		(*)	CXL	07	40		2008	Based on triadimefon and triadimenol uses
PE	0112 Eggs	0.01		(*)	CXL	07	40		2008	Based on triadimefon and triadimenol uses
VC	0045 Fruiting vegetables, cucurbits (group)	0.2			CXL	07	41	40	2009	Based on triadimefon and triadimenol uses
VO	0050 Fruiting vegetables, other than cucurbits (group)	1		(except fungi and sweet corn)	CXL	07	41	40	2009	Based on triadimenol use only
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	1	TN	Based on triadimenol uses	CXL	2014	47		2015	
FB	0269 Grapes	0.3			CXL	2014	47		2015	
MM	0095 Meat (from mammals other than marine mammals)	0.02			CXL	07	40		2008	Based on triadimefon and triadimenol uses
ML	0106 Milks	0.01		(*) F	CXL	07	40		2008	Based on triadimefon and triadimenol uses
HS	0444 Peppers chili, dried	5			CXL	07	40		2008	Based on triadimefon and triadimenol uses
FI	0353 Pineapple	5		Po	CXL	07	40		2008	Based on triadimenol use only
PM	0110 Poultry meat	0.01		(*)	CXL	07	40		2008	Based on triadimefon and triadimenol uses

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of			CXL	07	40		2008	Based on triadimefon and triadimenol uses
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(except maize)	CXL	07	40		2008	Based on triadimefon and triadimenol uses
FB	0275	Strawberry			CXL	07	40		2008	Based on triadimenol use only
VR	0596	Sugar beet			CXL	07	40		2008	Based on triadimenol use only

169 Cyromazine

Main Uses: Insecticide

ADI: 0-0.06 mg/kg bw (2006)

ARfD: 0.1 mg/kg bw (2006)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Cyromazine.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0620	Artichoke, globe	3			CXL	07	40		2008	
VD 0071	Bean (dry)	3			CXL	07	40		2008	
VB 0400	Broccoli	1			CXL	07	40		2008	
VS 0624	Celery	4			CXL	07	40		2008	
VD 0524	Chick-pea (dry)	3			CXL	12	45		2013	
VC 0424	Cucumber	2			CXL	07	40		2008	
MO 0105	Edible offal (mammalian)	0.3			CXL	07	40		2008	
PE 0112	Eggs	0.3			CXL	07	40		2008	
VO 0050	Fruiting vegetables, other than cucurbits (group)	1		(except mushrooms and sweet corn (corn-on-the-cob))	CXL	07	40		2008	
VD 0533	Lentil (dry)	3			CXL	12	45		2013	
VL 0482	Lettuce, head	4			CXL	07	40		2008	
VL 0483	Lettuce, leaf	4			CXL	07	40		2008	
VP 0534	Lima bean (young pods and/or immature beans)	1			CXL	07	40		2008	
VD 0545	Lupin (dry)	3			CXL	12	45		2013	
FI 0345	Mango	0.5			CXL	07	40		2008	
MM 0095	Meat (from mammals other than marine mammals)	0.3			CXL	07	40		2008	
VC 0046	Melons, except watermelon	0.5			CXL	07	40		2008	
ML 0106	Milks	0.01			CXL	07	40		2008	
VO 0450	Mushrooms	7			CXL	07	40		2008	
VL 0485	Mustard greens	10			CXL	07	40		2008	
VA 0385	Onion, bulb	0.1			CXL	07	40		2008	
HS 0444	Peppers chili, dried	10			CXL	04	38	37	2006	
PM 0110	Poultry meat	0.1			CXL	07	40		2008	
PO 0111	Poultry, edible offal of	0.2			CXL	07	40		2008	
VA 0389	Spring onion	3			CXL	07	40		2008	
VC 0431	Squash, summer	2			CXL	07	40		2008	

171 Profenofos

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2007)

ARfD: 1.0 mg/kg bw (2007)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Profenofos.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0775	Cardamom			CXL	2015	48		2016	
SB	0716	Coffee beans			CXL	2018	51		2019	
HS	0779	Coriander, seed			CXL	2015	48		2016	
SO	0691	Cotton seed			CXL	2008	41		2009	
HS	0780	Cumin seed			CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)			CXL	2008	41		2009	
PE	0112	Eggs			CXL	2008	41		2009	
HS	0731	Fennel, seed			CXL	2015	48		2016	
FI	0345	Mango			CXL	2008	41		2009	
FI	0346	Mangostan			CXL	2008	41		2009	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2008	41		2009	
ML	0106	Milks			CXL	2008	41		2009	
VO	0444	Peppers chili			CXL	2011	44		2012	
HS	0444	Peppers chili, dried			CXL	2011	44		2012	
PM	0110	Poultry meat			CXL	2008	41		2009	
PO	0111	Poultry, edible offal of			CXL	2008	41		2009	
HS	0191	Spices, fruits, and berries		(except cardamom)	CXL	2015	48		2016	
HS	0193	Spices, roots, and rhizomes			CXL	2010	43		2011	
VO	0448	Tomato			CXL	2008	41		2009	

172 Bentazone

Main Uses: Herbicide

ADI: 0-0.09 mg/kg bw (2012)

ARfD: 0.5 mg/kg bw (2016)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Bentazone.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	0.5		CXL	2013	46		2014	
AS	0640	Barley, hay and/or straw	0.3		CXL	2013	46		2014	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.01	(*)	(green pods and immature seeds)	CXL	2013	46		2014
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.01	(*)	(succulent= immature seeds)	CXL	2013	46		2014
GC	0080	Cereal grains (group)	0.01	(*)		CXL	2013	46		2014
VD	2065	Dry beans (subgroup)	0.5		CXL	2018	51		2019	
VD	2066	Dry peas (subgroup)	0.5		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.04		CXL	2018	51		2019	
PE	0112	Eggs	0.01	(*)	CXL	2013	46		2014	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	2		CXL	2013	46		2014	
HH	0092	Herbs	0.1		CXL	2013	46		2014	
SO	0693	Linseed	0.02	(*)	CXL	2013	46		2014	
AS	0645	Maize fodder (dry)	0.4		CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2018	51		2019	
ML	0106	Milks	0.01	(*)	CXL	2018	51		2019	
AS	0646	Millet fodder, dry	0.3		CXL	2013	46		2014	
AS	0647	Oat straw and fodder, dry	0.3		CXL	2013	46		2014	
VA	0385	Onion, bulb	0.04		CXL	2013	46		2014	
SO	0697	Peanut	0.05	(*)	CXL	2013	46		2014	
VP	0063	Peas (pods and succulent=immature seeds)	1.5		CXL	2013	46		2014	
VR	0589	Potato	0.1		CXL	2013	46		2014	
PM	0110	Poultry meat	0.03	(fat)	CXL	2013	46		2014	
PO	0111	Poultry, edible offal of	0.07		CXL	2013	46		2014	
AS	0650	Rye straw and fodder, dry	0.3		CXL	2013	46		2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA 0389	Spring onion	0.08			CXL	2013	46		2014	
VO 0447	Sweet corn (corn-on-the-cob)	0.01 (*)			CXL	2013	46		2014	
AS 0653	Triticale, hay and/or straw	0.3			CXL	2013	46		2014	
AS 0654	Wheat, hay and/or straw	0.3			CXL	2013	46		2014	

173 Buprofezin

Main Uses: Insecticide

ADI: 0-0.009 mg/kg bw (2008)

ARfD: 0.5 mg/kg bw (2008)

Residue: For compliance with MRLs and for estimation of dietary intake for plant commodities and animal commodities: Buprofezin.

The residue is not fat soluble.

Note: Aniline

ADI: 0-0.02 mg/kg bw

ARfD: 0.02 mg/kg bw

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	3		CXL	2019	52		2021	
FP	0226	Apple	3		CXL	09	42		2010	
FI	0326	Avocado	0.1		CXL	2016	49	2017		
FI	0327	Banana	0.3		CXL	12	45		2013	
HH	0722	Basil, leaves	1.5		CXL	2016	49		2017	
FS	0013	Cherries (subgroup)	2		CXL	09	42			
FC	0001	Citrus fruits (group)	1		CXL	08	45	41	2013	
OR	0001	Citrus oil, edible	6		CXL	2019	52		2021	
AB	0001	Citrus pulp, dried	5		CXL	2019	52		2021	
SB	0716	Coffee beans	0.4		CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	09	42		2010	
PE	0112	Eggs	0.01	(*)	CXL	2019	52		2021	
VC	0045	Fruiting vegetables, cucurbits (group)	0.7		CXL	09	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	09	42		2010	
FB	0269	Grapes	1		CXL	09	42		2010	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2019	52		2021	
FI	0345	Mango	0.1		CXL	08	41		2009	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	09	42		2010	
ML	0106	Milks	0.01	(*)	CXL	09	42		2010	
FS	0245	Nectarine	9		CXL	09	42		2010	
OC	0305	Olive oil, virgin	20		CXL	2019	52		2021	
FS	0247	Peach	9		CXL	09	42		2010	
FP	0230	Pear	6		CXL	09	42		2010	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)	2		MRL provisionally applies to okra, martynia, and roselle.	CXL	09	42	2010	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
VO	0444	Peppers chili	10			CXL	09	42	2010	
HS	0444	Peppers chili, dried	10			CXL	08	41	2009	
FS	0014	Plums (including fresh prunes) (subgroup)	2			CXL	09	42	2010	
PF	0111	Poultry fats	0.01	(*)		CXL	2019	52	2021	
PM	0110	Poultry meat	0.01	(*)		CXL	2019	52	2021	
PO	0111	Poultry, edible offal of	0.01			CXL	2019	52	2021	
VD	0541	Soya bean (dry)	0.01	(*)		CXL	2016	49	2017	
FB	0275	Strawberry	3			CXL	09	42	2010	
FT	0305	Table olives	5			CXL	09	42	2010	
DT	1116	Tea, green	30			CXL	12	45	2013	
VO	0448	Tomato	1			CXL	08	41	2009	
TN	0085	Tree nuts (group)	0.05	(*)		CXL	2019	52	2021	

174 Cadusafos

Main Uses: Insecticide

ADI: 0-0.0005 mg/kg bw (2009)

ARfD: 0.001 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Cadusafos.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.01			CXL	10	43		2011	

175 Glufosinate-Ammonium

Main Uses: Herbicide

ADI: 0-0.01 mg/kg bw (2012)

ARfD: 0.01 mg/kg bw (2012)

Residue: For compliance with MRL and for estimation of dietary intake for animal and plant commodities: Sum of glufosinate, 3-[hydroxy(methyl)phosphinoyl]propionic acid and N-acetylglufosinate, calculated as glufosinate (free acid).

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0621	Asparagus	0.4		CXL	12	45		2013	
FT	0026	Assorted tropical and subtropical fruits - edible peel	0.1		CXL	12	45		2013	
FI	0030	Assorted tropical and subtropical fruits - inedible peel	0.1	(except banana and kiwifruit)	CXL	12	45		2013	
FI	0327	Banana	0.2		CXL	2012	46	45	2014	
AL	0061	Bean, hay and/or straw	1		CXL	12	45		2013	
FB	0020	Blueberries	0.1		CXL	12	45		2013	
VR	0577	Carrot	0.05		CXL	12	45		2013	
FC	0001	Citrus fruits (group)	0.05		CXL	12	45		2013	
SB	0716	Coffee beans	0.1		CXL	12	45		2013	
VD	0526	Common bean (dry)	0.05		CXL	12	45		2013	
VP	0526	Common bean (pods and/or immature seeds)	0.05	(*)	CXL	12	45		2013	
VL	0470	Corn salad	0.05		CXL	12	45		2013	
SO	0691	Cotton seed	5		CXL	12	45		2013	
FB	0021	Currants, black, red, white	1		CXL	12	45		2013	
MO	0105	Edible offal (mammalian)	3		CXL	2012	46	45	2014	
PE	0112	Eggs	0.05	(*)	CXL	12	45		2013	
FB	0268	Gooseberry	0.1		CXL	12	45		2013	
FB	0269	Grapes	0.15		CXL	12	45		2013	
FI	0341	Kiwifruit	0.6		CXL	2012	46	45	2014	
VL	0482	Lettuce, head	0.4		CXL	12	45		2013	
VL	0483	Lettuce, leaf	0.4		CXL	2012	46	45	2014	
GC	0645	Maize	0.1		CXL	12	45		2013	
AS	0645	Maize fodder (dry)	8		CXL	12	45		2013	
MM	0095	Meat (from mammals other than marine mammals)	0.05		CXL	12	45		2013	
ML	0106	Milks	0.02	(*)	CXL	12	45		2013	
VA	0385	Onion, bulb	0.05		CXL	12	45		2013	
FP	0009	Pome fruits (group)	0.1		CXL	12	45		2013	
VR	0589	Potato	0.1		CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PM	0110	Poultry meat	0.05	(*)	CXL	12	45		2013	
PO	0111	Poultry, edible offal of	0.1	(*)	CXL	12	45		2013	
DF	0014	Prunes	0.3		CXL	12	45		2013	
SO	0495	Rape seed	1.5		CXL	12	45		2013	
OC	0495	Rape seed oil, crude	0.05	(*)	CXL	12	45		2013	
FB	0272	Raspberries, red, black	0.1		CXL	12	45		2013	
GC	0649	Rice	0.9		CXL	12	45		2013	
AS	0649	Rice, hay and/or straw	2		CXL	12	45		2013	
VD	0541	Soya bean (dry)	2		CXL	2014	47		2015	
FS	0012	Stone fruits (group)	0.15		CXL	12	45		2013	
FB	0275	Strawberry	0.3		CXL	12	45		2013	
VR	0596	Sugar beet	1.5		CXL	12	45		2013	
DM	0596	Sugar beet molasses	8		CXL	12	45		2013	
TN	0085	Tree nuts (group)	0.1		CXL	12	45		2013	

176 Hexythiazox

Main Uses: Acaricide and Insecticide

ADI: 0-0.03 mg/kg bw (2008)

ARfD: Unnecessary (2008)

Residue: For compliance with the MRL for plant commodities: Hexythiazox.

For estimation of dietary intake for plant commodities: Sum of hexythiazox and all metabolites containing the trans-5-(4-chlorophenyl)-4-methyl-2-oxothiazolidine-moiety (PT-1-3), expressed as hexythiazox.

For compliance with MRL and for estimation of dietary intake) for animal commodities: Sum of hexythiazox and all metabolites containing the trans-5-(4-chlorophenyl)-4-methyl-2-oxothiazolidine-moiety (PT-1-3), expressed as hexythiazox.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0001	Citrus fruits (group)			CXL	09	42		2010	
FT	0295	Date			CXL	09	42		2010	
MO	0105	Edible offal (mammalian)			CXL	09	42		2010	
VO	0440	Eggplant			CXL	09	42		2010	
PE	0112	Eggs			CXL	09	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)		(except watermelon)	CXL	09	42		2010	
AB	0269	Grape pomace, dried			CXL	09	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	09	42		2010	
FB	0269	Grapes			CXL	09	42		2010	
DH	1100	Hops, dry			CXL	11	44		2012	
MF	0100	Mammalian fats (except milk fats)			CXL	09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)			CXL	09	42		2010	
FM	0183	Milk fats			CXL	09	42		2010	
ML	0106	Milks			CXL	09	42		2010	
FP	0009	Pome fruits (group)			CXL	09	42		2010	
PM	0110	Poultry meat			CXL	09	42		2010	
PO	0111	Poultry, edible offal of			CXL	09	42		2010	
DF	0014	Prunes			CXL	09	42		2010	
FS	0012	Stone fruits (group)			CXL	09	42		2010	
FB	0275	Strawberry			CXL	11	45	44	2013	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	11	44		2012	
VO	0448	Tomato			CXL	09	42		2010	
TN	0085	Tree nuts (group)			CXL	09	42		2010	

177 Abamectin

Main Uses: Acaricide and Insecticide

ADI: 0–0.001 mg/kg bw (2015)

ARfD: 0.003 mg/kg bw (2015)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Avermectin B1a.

The residue is fat-soluble.

Note: The ADI also applies to the 8,9-Z isomer and the 24-hydroxymethyl metabolite of abamectin. The ARfD also applies to the 8,9-Z isomer and the 24-hydroxymethyl metabolite of abamectin.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2015	48		2016	
FI	0326	Avocado			CXL	2015	48		2016	
VD	0071	Bean (dry)			CXL	2015	48		2016	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)		(immature beans with pods)	CXL	2015	48		2016	
FB	2005	Cane berries (subgroup)			CXL	2018	51		2019	
VS	0624	Celery			CXL	2015	48		2016	
FS	0013	Cherries (subgroup)			CXL	2015	48		2016	
DH	2605	Chive, dried			CXL	2018	51		2019	
FC	0001	Citrus fruits (group)			CXL	2015	48		2016	
SO	0691	Cotton seed			CXL	2015	48		2016	
VC	0424	Cucumber			CXL	2015	48		2016	
VO	0440	Eggplant			CXL	2015	48		2016	
VA	0381	Garlic			CXL	2015	48		2016	
VC	0425	Gherkin			CXL	2015	48		2016	
JF	0269	Grape juice			CXL	2018	51		2019	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2018	51		2019	
FB	0269	Grapes			CXL	2018	51		2019	
VA	2032	Green onions (subgroup)			CXL	2018	51		2019	
HH	2095	Herbs			CXL	2018	51		2019	
DH	1100	Hops, dry			CXL	2015	48		2016	
VL	0482	Lettuce, head			CXL	2015	48		2016	
FI	0345	Mango			CXL	2015	48		2016	
VC	0046	Melons, except watermelon			CXL	2015	48		2016	
AS	0647	Oat straw and fodder, dry			CXL					
VA	0385	Onion, bulb			CXL	2015	48		2016	
OR	0004	Orange oil, edible			CXL	2018	51		2019	
FI	0350	Papaya			CXL	2015	48		2016	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2015	48		2016	
SO	0697	Peanut			CXL	2015	48		2016	(*)
VO	0444	Peppers chili			CXL	2015	48		2016	(*)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried			CXL	2015	48			2016
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2015	48			2016
FI	0353	Pineapple			CXL	2018	51			2019
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2015	48			2016
FP	0009	Pome fruits (group)			CXL	2015	48			2016
VR	0589	Potato			CXL	2015	48			2016
AS	0649	Rice, hay and/or straw			CXL	2015	48			2016
CM	0649	Rice, husked			CXL	2015	48			2016
VA	0388	Shallot			CXL	2015	48			2016
VD	0541	Soya bean (dry)			CXL	2018	51			2019
FB	0275	Strawberry			CXL	2015	48			2016
VP	2062	Succulent beans without pods (subgroup)			CXL	2018	51			2019
GC	2090	Sweet corns (subgroup)			CXL	2018	51			2019
VR	0508	Sweet potato			CXL	2015	48			2016
VO	0448	Tomato			CXL	2015	48			2016
TN	0085	Tree nuts (group)			CXL	2015	48			2016
VR	0600	Yams			CXL	2015	48			2016

178 Bifenthrin

Main Uses: Acaricide and Insecticide

ADI: 0-0.01 mg/kg bw (2009)

ARfD: 0.01 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Bifenthrin (sum of isomers).

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado			CXL	2022	54		2023	
FI	0327	Banana			CXL	2010	43		2011	
FB	0264	Blackberries			CXL	2010	43		2011	
FB	0020	Blueberries			CXL	2015	48		2016	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2010	43		2011	
FC	0001	Citrus fruits (group)			CXL	2010	43		2011	
SO	0691	Cotton seed			CXL	2010	43		2011	
FB	0266	Dewberries (including boysenberry and loganberry)			CXL	2010	43		2011	
MO	0105	Edible offal (mammalian)			CXL	2010	43		2011	
VO	2046	Eggplants (subgroup)			CXL	2022	54		2023	
FB	0269	Grapes			CXL	2015	48		2016	
DH	1100	Hops, dry			CXL	2010	43		2011	
VL	0482	Lettuce, head			4	2015	48			CCPR retained the MRL at Step 4 awaiting for alternative GAP. JMPR might proceed with the review in 2024 due to the heavy workload for JMPR in 2023 (53:66).
GC	0645	Maize	0.05	(*)	CXL	2010	43		2011	
AS	0645	Maize fodder (dry)	15		CXL	2010	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	3	(fat)	CXL	2010	43		2011	
FM	0183	Milk fats	3		CXL	2010	43		2011	
ML	0106	Milks	0.2		CXL	2010	43		2011	
VL	0485	Mustard greens	4		CXL	2010	43		2011	
AL	0072	Pea, hay and/or straw	0.7		CXL	2010	43		2011	
SO	0697	Peanut	0.05	(*)	CXL	2022			2023	
VP	0063	Peas (pods and succulent=immature seeds)	0.9		CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0064	Peas, shelled (succulent seeds)			CXL	2015	48		2016	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2022	54		2023	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
FI	0355	Pomegranate			CXL	2022	54		2023	
VD	0070	Pulses (group)			CXL	2010	43		2011	
VL	0494	Radish leaves (including radish tops)			CXL	2010	43		2011	
SO	0495	Rape seed			CXL	2010	43		2011	
OR	0495	Rape seed oil, edible			CXL	2010	43		2011	
FB	0272	Raspberries, red, black			CXL	2010	43		2011	
VR	0075	Root and tuber vegetables (group)			CXL	2010	43		2011	
HS	0191	Spices, fruits, and berries			CXL	2010	43		2011	
HS	0193	Spices, roots, and rhizomes			CXL	2010	43		2011	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(dw)	CXL	2019	52		2021	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2010	43		2011	
VO	0448	Tomato			CXL	2010	43		2011	
TN	0085	Tree nuts (group)			CXL	2010	43		2011	
GC	0654	Wheat		Po	CXL	2010	43		2011	
CM	0654	Wheat bran, unprocessed		PoP	CXL	2010	43		2011	
CF	1210	Wheat germ		Po	CXL	2010	43		2011	

179 Cycloxydim

Main Uses: Herbicide

ADI: 0-0.07 mg/kg bw (2009)

ARfD: 2 mg/kg bw for women of childbearing age - unnecessary for general population (2009)

Residue: For compliance with the MRLs and estimation of dietary intake for plant and animal commodities: Cycloxydim, metabolites and degradation products which can be oxidized to 3-(3-thianyl) glutaric acid S-dioxide and 3-hydroxy-3-(3-thianyl) glutaric acid S-dioxide, expressed as cycloxydim.

The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VD 0071	Bean (dry)	30			CXL	12	45		2013	
VP 0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	15		(green pods & immature seeds)	CXL	12	45		2013	
VR 0574	Beetroot	0.2			CXL	12	45		2013	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	9			CXL	12	45		2013	
VR 0577	Carrot	5			CXL	12	45		2013	
VR 0578	Celeriac	1			CXL	12	45		2013	
MO 0105	Edible offal (mammalian)	0.5			CXL	12	45		2013	
PE 0112	Eggs	0.15			CXL	12	45		2013	
FB 0269	Grapes	0.3			CXL	12	45		2013	
VL 4355	Kale, curly	3			CXL	12	45		2013	
VA 0384	Leek	4			CXL	12	45		2013	
VL 0482	Lettuce, head	1.5			CXL	12	45		2013	
VL 0483	Lettuce, leaf	1.5			CXL	12	45		2013	
SO 0693	Linseed	7			CXL	12	45		2013	
GC 0645	Maize	0.2			CXL	12	45		2013	
AS 0645	Maize fodder (dry)	2			CXL	12	45		2013	
MF 0100	Mammalian fats (except milk fats)	0.1			CXL	12	45		2013	
MM 0095	Meat (from mammals other than marine mammals)	0.06			CXL	12	45		2013	
ML 0106	Milks	0.02			CXL	12	45		2013	
VA 0385	Onion, bulb	3			CXL	12	45		2013	
VD 0072	Peas (dry)	30			CXL	12	45		2013	
VP 0064	Peas, shelled (succulent seeds)	15			CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)							2013	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	12	45		2013	
FP	0009	Pome fruits (group)			CXL	12	45		2013	
VR	0589	Potato			CXL	12	45		2013	
PF	0111	Poultry fats			CXL	12	45		2013	
PM	0110	Poultry meat			CXL	12	45		2013	
PO	0111	Poultry, edible offal of			CXL	12	45		2013	
SO	0495	Rape seed			CXL	12	45		2013	
GC	0649	Rice			CXL	12	45		2013	
AS	0649	Rice, hay and/or straw			CXL	12	45		2013	
VD	0541	Soya bean (dry)			CXL	12	45		2013	
FS	0012	Stone fruits (group)			CXL	12	45		2013	
FB	0275	Strawberry			CXL	12	45		2013	
VR	0596	Sugar beet			CXL	12	45		2013	
SO	0702	Sunflower seed			CXL	12	45		2013	
VR	0497	Swede			CXL	12	45		2013	
VO	0448	Tomato			CXL	12	45		2013	

180 Dithianon

Main Uses: Fungicide

ADI: 0.01 mg/kg bw (2010)

ARfD: 0.1 mg/kg bw (2010)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Dithianon.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660	Almonds	0.05	(*)	CXL	2013	46		2014	
FB	0021	Currants, black, red, white	2		CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2013	46		2014	
PE	0112	Eggs	0.01	(*)	CXL	2013	46		2014	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	3.5		CXL	2013	46		2014	
DH	1100	Hops, dry	300		CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2013	46		2014	
ML	0106	Milks	0.01	(*)	CXL	2013	46		2014	
FP	0009	Pome fruits (group)	1		CXL	2013	46		2014	
PM	0110	Poultry meat	0.01	(*)	CXL	2013	46		2014	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2013	46		2014	
FS	0012	Stone fruits (group)	2		CXL	2013	46		2014	
FB	1235	Table-grapes	2		CXL	2013	46		2014	
FB	1236	Wine-grapes	5		CXL	2013	46		2014	

181 Myclobutanil

Main Uses: Fungicide

ADI: 0.03 mg/kg bw (2014)

ARfD: 0.3 mg/kg bw (2014)

Residue: For compliance with the MRL) for plant and animal commodities: Myclobutanil.

For estimation of dietary intake for and animal commodities: Myclobutanil.

For estimation of dietary intake) for plant commodities: Sum of myclobutanil, α -(4-chlorophenyl)- α -(3-hydroxybutyl)-1H-1,2,4-triazole-1-propanenitrile (RH-9090) and its conjugates, expressed as myclobutanil.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0061 Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.8			CXL	2014	47		2015	
VB	0040 Brassica vegetables (except Brassica leafy vegetables) (group)	0.05			CXL	2014	47		2015	
VA	0035 Bulb vegetables (group)	0.06			CXL	2014	47		2015	
FS	0013 Cherries (subgroup)	3			CXL	2014	47		2015	
FB	0021 Currants, black, red, white	0.9			CXL	2014	47		2015	
MO	0105 Edible offal (mammalian)	0.01		(*)	CXL	2014	47		2015	
PE	0112 Eggs	0.01		(*)	CXL	2014	47		2015	
VC	0045 Fruiting vegetables, cucurbits (group)	0.2			CXL	2014	47		2015	
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	6			CXL	2014	47		2015	
FB	0269 Grapes	0.9			CXL	2014	47		2015	
DH	1100 Hops, dry	5			CXL	2014	47		2015	
VL	0053 Leafy vegetables (group)	0.05			CXL	2014	47		2015	
AL	0157 Legume animal feeds	0.2			CXL	2014	47		2015	
MF	0100 Mammalian fats (except milk fats)	0.01		(*)	CXL	2014	47		2015	
MM	0095 Meat (from mammals other than marine mammals)	0.01		(*)	CXL	2014	47		2015	
ML	0106 Milks	0.01		(*)	CXL	2014	47		2015	
FS	2001 Peaches (including apricots and nectarine) (subgroup)	3			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)					47		2015	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried					47		2015	
FS	0014	Plums (including fresh prunes) (subgroup)					47		2015	
FP	0009	Pome fruits (group)					47		2015	
PF	0111	Poultry fats					47		2015	
PM	0110	Poultry meat					47		2015	
PO	0111	Poultry, edible offal of					47		2015	
VR	0075	Root and tuber vegetables (group)					47		2015	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)					47		2015	
FB	0275	Strawberry					47		2015	
VO	0448	Tomato					47		2015	

182 Penconazole

Main Uses: Fungicide

ADI: 0–0.03 mg/kg bw (2015)

ARfD: 0.8 mg/kg bw (2015)

Residue: For compliance with the MRL for plant and animal commodities: Penconazole.

For dietary risk assessment) for plant commodities: Sum of penconazole and 4-(2,4-dichloro-phenyl)-5-[1,2,4]triazol-1-yl-pentan-2-ol (free and conjugated), expressed as penconazole.

For dietary risk assessment) for animal commodities: Sum of penconazole, 4-(2,4-dichloro-phenyl)-5-[1,2,4]triazol-1-yl-pentan-2-ol (free and conjugated) and 4-(2,4-dichloro-phenyl)-5-[1,2,4]triazol-1-yl-pentanoic acid, expressed as penconazole.

The residue is fat soluble.

Note: 1,2,4-Triazole (2015) ADI: 0–0.2 mg/kg bw; ARfD: 0.3 mg/kg bw.

Triazole alanine and triazole acetic acid(2015) ADI: 0–1 mg/kg bw; ARfD: 3 mg/kg bw.

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.1			CXL	2016	49		2017	
VS 0620	Artichoke, globe	0.06			CXL	2016	49		2017	
VC 0424	Cucumber	0.06			CXL	2016	49		2017	
FB 0278	Currant, black	2			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.05		(*)	CXL	2016	49		2017	
VO 0440	Eggplant	0.09			CXL	2016	49		2017	
PE 0112	Eggs	0.05		(*)	CXL	2016	49		2017	
VC 0425	Gherkin	0.06			CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	1.5			CXL	2016	49		2017	
FB 0269	Grapes	0.4			CXL	2016	49		2017	
MF 0100	Mammalian fats (except milk fats)	0.05		(*)	CXL	2016	49		2017	
MM 0095	Meat (from mammals other than marine mammals)	0.05		(*)	CXL	2016	49		2017	
VC 0046	Melons, except watermelon	0.15			CXL	2016	49		2017	
ML 0106	Milks	0.01		(*)	CXL	2016	49		2017	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	0.08			CXL	2016	49		2017	
FP 0230	Pear	0.1			CXL	2016	49		2017	
VO 0445	Peppers, sweet (including pimento or pimiento)	0.2			CXL	2016	49		2017	
PM 0110	Poultry meat	0.05		(*)	CXL	2016	49		2017	
PO 0111	Poultry, edible offal of	0.05		(*)	CXL	2016	49		2017	
VC 0431	Squash, summer	0.06			CXL	2016	49		2017	
FB 0275	Strawberry	0.5			CXL	2016	49		2017	
VO 0448	Tomato	0.09			CXL	2016	49		2017	

184 Etofenprox

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2011)

ARfD: 1 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Etofenprox.

The residue is fat soluble.

Note: CCPR recalled that the compound was no longer supported at the international level. However, as the compound has not yet been scheduled for period re-evaluation, CCPR decided to postpone consideration of this compound (36-162).

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.6			CXL	11	44		2012	
VD 0071	Bean (dry)	0.05			CXL	11	44		2012	
MO 0105	Edible offal (mammalian)	0.05			CXL	11	44		2012	
PE 0112	Eggs	0.01		(*)	CXL	11	44		2012	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	8			CXL	11	44		2012	
FB 0269	Grapes	4			CXL	11	45	44	2013	
GC 0645	Maize	0.05		(*)	CXL	11	44		2012	
MM 0095	Meat (from mammals other than marine mammals)	0.5		(fat)	CXL	11	44		2012	
ML 0106	Milks	0.02			CXL	11	44		2012	
FS 0245	Nectarine	0.6			CXL	11	44		2012	
FS 0247	Peach	0.6			CXL	11	44		2012	
FP 0230	Pear	0.6			CXL	11	44		2012	
PM 0110	Poultry meat	0.01		(*)	CXL	11	44		2012	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	11	44		2012	
SO 0495	Rape seed	0.01		(*)	CXL	11	44		2012	
GC 0649	Rice	0.01		(*)	CXL	11	44		2012	
AS 0649	Rice, hay and/or straw	0.05			CXL	11	44		2012	

185 Fenpropathrin

Main Uses: Acaricide and Insecticide

ADI: 0-0.03 mg/kg bw (2012)

ARfD: 0.03 mg/kg bw (2012)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Fenpropathrin. The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	10		CXL	2014	47		2015	
FC	0001	Citrus fruits (group)	2		CXL	2014	47		2015	
OR	0001	Citrus oil, edible	100		CXL	2014	47		2015	
SB	0716	Coffee beans	0.03		CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	0.01		CXL	2014	47		2015	
PE	0112	Eggs	0.01	(*)	CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)	0.03		CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.01		CXL	2014	47		2015	
ML	0106	Milks	0.01		CXL	2014	47		2015	
VO	0051	Peppers (subgroup)	1		CXL	2014	47		2015	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	10		CXL	2014	47		2015	
FS	0014	Plums (including fresh prunes) (subgroup)	1		CXL	2014	47		2015	
PF	0111	Poultry fats	0.01	(*)	CXL	2014	47		2015	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2014	47		2015	
DF	0014	Prunes	3		CXL	2014	47		2015	
VD	0541	Soya bean (dry)	0.01		CXL	2014	47		2015	
FB	0275	Strawberry	2		CXL	2014	47		2015	
DT	1114	Tea, green, black (black, fermented and dried)	3		CXL	2014	47		2015	
VO	0448	Tomato	1		CXL	2014	47		2015	
TN	0085	Tree nuts (group)	0.15		CXL	2014	47		2015	

187 Clethodim

Main Uses: Herbicide

ADI: 0-0.2 mg/kg bw (2019).

ARfD: Unnecessary (2019)

Residue: For compliance with the MRL for plant commodities: Sum of clethodim and its metabolites convertible to dimethyl 3-[2-(ethylsulfonyl)propyl]-pentanedioate (DME) and dimethyl 3-[2-(ethylsulfonyl)propyl]-3-hydroxy-pentanedioate (DME-OH), expressed as clethodim.

For compliance with the MRL for animal commodities: Sum of clethodim and its metabolites convertible to dimethyl 3-[2-(ethylsulfonyl)propyl]-pentanedioate (DME), expressed as clethodim.

For dietary risk assessment for plant and animal commodities: A conclusion could not be reached.

The residue is fat-soluble.

Note: Retained all the CXLs under the 4-year rule, awaiting the re-evaluation by the JMPR. The manufacturer would submit additional toxicology data for the metabolites of clethodim to the JMPR (52:80).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	10		CXL	97	35	31-34	2003	Recommended for withdrawal
VD	0071	Bean (dry)	2		CXL	99	35	28, 31-34	2003	Recommended for withdrawal
AL	0061	Bean, hay and/or straw	10		CXL	99	35	33, 34	2003	Recommended for withdrawal
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.5 (*)		CXL	97	35	31-34	2003	Recommended for withdrawal
SO	0691	Cotton seed	0.5		CXL	94	35	28,31-34	2003	Recommended for withdrawal
OC	0691	Cotton seed oil, crude	0.5 (*)		CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
OR	0691	Cotton seed oil, edible	0.5 (*)		CXL	94,97	35	28,31-33	2003	Recommended for withdrawal
MO	0105	Edible offal (mammalian)	0.2 (*)		CXL	99	35	33,34	2003	Recommended for withdrawal
PE	0112	Eggs	0.05 (*)		CXL	99	35	33	2003	Recommended for withdrawal
VD	0561	Field pea (dry)	2		CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
AM	1051	Fodder beet	0.1 (*)		CXL	97	35	31-34	2003	Recommended for withdrawal
VA	0381	Garlic	0.5		CXL	97	35	31-34	2003	Recommended for withdrawal
MM	0095	Meat (from mammals other than marine mammals)	0.2 (*)		CXL	99	35	33,34	2003	Recommended for withdrawal
ML	0106	Milks	0.05 (*)		CXL	99	35	33,34	2003	Recommended for withdrawal

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0385	Onion, bulb			CXL	97	35	31-34	2003	Recommended for withdrawal
SO	0697	Peanut			CXL	97	35	31-34	2003	Recommended for withdrawal
VR	0589	Potato			CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
PM	0110	Poultry meat		(*)	CXL	99	35	33,34	2003	Recommended for withdrawal
PO	0111	Poultry, edible offal of		(*)	CXL	99	35	33	2003	Recommended for withdrawal
SO	0495	Rape seed			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OC	0495	Rape seed oil, crude		(*)	CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
OR	0495	Rape seed oil, edible		(*)	CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
VD	0541	Soya bean (dry)			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OC	0541	Soya bean oil, crude			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OR	0541	Soya bean oil, refined		(*)	CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
VR	0596	Sugar beet			CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
SO	0702	Sunflower seed			CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
OC	0702	Sunflower seed oil, crude		(*)	CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
VO	0448	Tomato			CXL	97	35	31-34		Recommended for withdrawal

188 Fenpropimorph

Main Uses: Fungicide

ADI: 0-0.004 mg/kg bw (2017)

ARfD: 0.1; 0.4 0.1 mg/kg bw (Woman of child-bearing age); 0.4 mg/kg bw (General population) (2017)

Residue: For compliance with MRLs and for estimation of dietary exposure for plant commodities: Fenpropimorph.

For compliance with the MRLs and for estimation of dietary exposure for animal commodities: 2-methyl-2-{4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl}propionic acid, expressed as fenpropimorph.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	2			CXL	2017	50		2018	
GC	0640 Barley	0.2			CXL	2017	50		2018	
AS	0640 Barley, hay and/or straw	0.5			CXL	2017	50		2018	
MO	0105 Edible offal (mammalian)	0.7			CXL	2017	50		2018	
PE	0112 Eggs	0.005 (*)			CXL	2017	50		2018	
MF	0100 Mammalian fats (except milk fats)	0.05			CXL	2017	50		2018	
MM	0095 Meat (from mammals other than marine mammals)	0.04			CXL	2017	50		2018	
ML	0106 Milks	0.01			CXL	2017	50		2018	
AS	0647 Oat straw and fodder, dry	0.5			CXL	2017	50		2018	
GC	0647 Oats	0.2			CXL	2017	50		2018	
PF	0111 Poultry fats	0.005 (*)			CXL	2017	50		2018	
PM	0110 Poultry meat	0.005 (*)			CXL	2017	50		2018	
PO	0111 Poultry, edible offal of	0.005 (*)			CXL	2017	50		2018	
GC	0650 Rye	0.07			CXL	2017	50		2018	
AS	0650 Rye straw and fodder, dry	0.5			CXL	2017	50		2018	
VR	0596 Sugar beet	0.03			CXL	2017	50		2018	
AB	0596 Sugar beet pulp, dry	0.1			CXL	2017	50		2018	
GC	0653 Triticale	0.07			CXL	2017	50		2018	
AS	0653 Triticale, hay and/or straw	0.5			CXL	2017	50		2018	
GC	0654 Wheat	0.07			CXL	2017	50		2018	
CM	0654 Wheat bran, unprocessed	0.2			CXL	2017	50		2018	
CF	1210 Wheat germ	0.3			CXL	2017	50		2018	
CF	1212 Wheat wholemeal	0.1			CXL	2017	50		2018	
AS	0654 Wheat, hay and/or straw	0.5			CXL	2017	50		2018	

189 Tebuconazole

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (2010)

ARfD: 0.3 mg/kg bw (2010)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Tebuconazole.

Residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	1		CXL	11	44	43	2012	
FS	0240	Apricot	2		CXL	11	44		2012	
VS	0620	Artichoke, globe	0.6		CXL	11	44		2012	
VS	0621	Asparagus	0.02	(*)	CXL	2015	48		2016	
FI	0327	Banana	1.5		CXL	2015	48		2016	
GC	0640	Barley	2		CXL	11	44		2012	
AS	0640	Barley, hay and/or straw	40		CXL	11	44		2012	
VD	0071	Bean (dry)	0.3		CXL	11	44		2012	
VP	2060	Beans with pods (subgroup)	3		CXL	2017	50		2018	
VB	0400	Broccoli	0.2		CXL	11	44		2012	
VB	0402	Brussels sprouts	0.3		CXL	11	44		2012	
VB	0041	Cabbages, head	1		CXL	11	44		2012	
VR	0577	Carrot	0.4		CXL	11	44		2012	
VB	0404	Cauliflower	0.05	(*)	CXL	11	44		2012	
FS	0013	Cherries (subgroup)	4		CXL	11	44		2012	
AB	0001	Citrus pulp, dried	3	(dw)	CXL	2019	52		2021	
SB	0716	Coffee beans	0.4		CXL	2021	53		2022	
SO	0691	Cotton seed	2		CXL	11	44		2012	
VC	0424	Cucumber	0.2		CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)	0.2		CXL	11	44		2012	
VO	0440	Eggplant	0.1		CXL	11	44		2012	
PE	0112	Eggs	0.05	(*)	CXL	11	44		2012	
FB	0267	Elderberries	1.5		CXL	11	44		2012	
VA	0381	Garlic	0.1		CXL	11	44		2012	
VR	0604	Ginseng	0.15		CXL	2015	48		2016	
DV	0604	Ginseng, dried including red ginseng	0.4		CXL	2015	48		2016	
DM	0604	Ginseng, extracts	0.5		CXL	2015	48		2016	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	7		CXL	11	44		2012	
FB	0269	Grapes	6		CXL	11	44		2012	
DH	1100	Hops, dry	40		CXL	11	44		2012	
VA	0384	Leek	0.7		CXL	11	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0482	Lettuce, head			CXL	08	43	44	2012	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	Po		CXL	2019	52		2021	
FI	0345	Mango			CXL	11	44		2012	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	11	44		2012	
VC	0046	Melons, except watermelon			CXL	11	44		2012	
ML	0106	Milks		(*)	CXL	11	44		2012	
FS	0245	Nectarine			CXL	11	44		2012	
GC	0647	Oats			CXL	11	44		2012	
VA	0385	Onion, bulb			CXL	2015	48		2016	
OR	0004	Orange oil, edible			CXL	2019	52		2021	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	Po		CXL	2019	52		2021	
FI	0350	Papaya			CXL	11	44		2012	
FI	0351	Passion fruit			CXL	11	44		2012	
FS	0247	Peach			CXL	11	44		2012	
SO	0697	Peanut			CXL	11	44		2012	
AL	0697	Peanut fodder			CXL	11	44		2012	
FP	0230	Pear			CXL	11	44		2012	
HS	0444	Peppers chili, dried			CXL	11	44		2012	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	11	44		2012	
FS	0014	Plums (including fresh prunes) (subgroup)		(except prunes)	CXL	11	44		2012	
PM	0110	Poultry meat		(*)	CXL	11	44		2012	
PO	0111	Poultry, edible offal of		(*)	CXL	11	44		2012	
DF	0014	Prunes			CXL	11	44		2012	
SO	0495	Rape seed			CXL	11	44		2012	
GC	0649	Rice			CXL	11	44		2012	
GC	0650	Rye			CXL	11	44		2012	
AS	0650	Rye straw and fodder, dry			CXL	11	44		2012	
VA	0388	Shallot			CXL	2015	48		2016	
VD	0541	Soya bean (dry)			CXL	11	44		2012	
VA	0389	Spring onion			CXL	2015	48		2016	
VC	0431	Squash, summer			CXL	11	44		2012	
SO	0702	Sunflower seed			CXL	2015	48		2016	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	11	44		2012	
FT	0305	Table olives		(*)	CXL	11	44		2012	
VO	0448	Tomato			CXL	11	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0085	Tree nuts (group)	0.05	(*)	CXL	11	44		2012	
GC	0653	Triticale	0.15		CXL	11	44		2012	
GC	0654	Wheat	0.15		CXL	11	44		2012	
AS	0654	Wheat, hay and/or straw	40		CXL	11	44		2012	

190 Teflubenzuron

Main Uses: Insect growth regulator

ADI: 0-0.005 mg/kg bw (2016)

ARfD: Unnecessary (2016)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Teflubenzuron.

The residue is fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.5			CXL	2016	49		2017	
VB 0404	Cauliflower	0.01 (*)			CXL	2016	49		2017	
SB 0716	Coffee beans	0.3			CXL	2016	49		2017	
VC 0424	Cucumber	0.5			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.01 (*)			CXL	2016	49		2017	
PE 0112	Eggs	0.01 (*)			CXL	2016	49		2017	
VC 0425	Gherkin	1.5			CXL	2016	49		2017	
FB 0269	Grapes	0.7			CXL	2016	49		2017	
FC 0002	Lemons and limes (including citron) (subgroup)	0.5		(includes all commodities in this subgroup)	CXL	2016	49		2017	
GC 0645	Maize	0.01 (*)			CXL	2016	49		2017	
OR 0645	Maize oil, edible	0.015			CXL	2016	49		2017	
MF 0100	Mammalian fats (except milk fats)	0.01 (*)			CXL	2016	49		2017	
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2016	49		2017	
VC 0046	Melons, except watermelon	0.3			CXL	2016	49		2017	
FM 0183	Milk fats	0.01 (*)			CXL	2016	49		2017	
ML 0107	Milk of cattle, goats & sheep	0.01 (*)			CXL	2016	49		2017	
OR 0004	Orange oil, edible	126			CXL	2016	49		2017	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.5		(includes all commodities in this subgroup)	CXL	2016	49		2017	
FI 0350	Papaya	0.4			CXL	2016	49		2017	
PF 0111	Poultry fats	0.01 (*)			CXL	2016	49		2017	
PM 0110	Poultry meat	0.01 (*)			CXL	2016	49		2017	
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	2016	49		2017	
VD 0541	Soya bean (dry)	0.05			CXL	2016	49		2017	
AB 0541	Soya bean hulls	0.2			CXL	2016	49		2017	
GS 0659	Sugar cane	0.01 (*)			CXL	2016	49		2017	
SO 0702	Sunflower seed	0.3			CXL	2016	49		2017	
VO 0448	Tomato	1.5			CXL	2016	49		2017	

191 Tolclofos-Methyl

Main Uses: Fungicide

ADI: 0.07 mg/kg bw 1994. 2019 (reaffirmed)

ARfD: Unnecessary (2019)

Residue: For compliance with the MRL for plant and animal commodities: Tolclofos-methyl.

For dietary risk assessment for plant commodities: Sum of tolclofos-methyl, 2,6-dichloro-4-methylphenol (ph-CH3, incl. conjugates), O,O-dimethyl O-2,6-dichloro-4-(hydroxymethyl) phenylphosphorothioate (TM-CH2OH, incl. conjugates), O-methyl O-hydrogen O-2,6-dichloro-4-(hydroxymethyl) phenylphosphorothioate (DM-TM-CH2OH) and O-methyl O-hydrogen O-(2,6-dichloro-4-methylphenyl) phosphorothioate (DM-TM), expressed as tolclofos-methyl.

For dietary risk assessment for animal commodities: Sum of tolclofos-methyl and 3,5-dichloro-4-hydroxybenzoic acid (ph-COOH),

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2019	52		2021	
PE	0112	Eggs	0.01	(*)	CXL	2019	52		2021	
VL	2050	Leafy greens (subgroup)	0.7		CXL	2019	52		2021	(except spinach, purslane, and chard)
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2019	52		2021	
ML	0106	Milks	0.01	(*)	CXL	2019	52		2021	
VR	0589	Potato	0.3		CXL	2019	52		2021	
PF	0111	Poultry fats	0.01	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.01	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2019	52		2021	

193 Fenpyroximate

Main Uses: Acaricide

ADI: 0–0.005 mg/kg bw (2021)

ARfD: 0.005 mg/kg bw (2021)

Residue: For compliance with the MRL for plant commodities: Fenpyroximate.

For dietary risk assessment for plant commodities and for dietary burden calculations: Sum of parent fenpyroximate and tert-butyl (Z)-α-(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methyleneamino-oxy)-p-toluate (its Z-isomer M-1), expressed as fenpyroximate.

For compliance with the MRL for animal commodities: Sum of fenpyroximate and (E)-4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl) methyleneaminooxymethyl]benzoic acid (M-3), expressed as fenpyroximate.

For dietary risk assessment for animal commodities: Sum of fenpyroximate, 2-hydroxymethyl-2-propyl (E)-4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)-methylenaminooxymethyl]benzoate (Fen-OH), 2-hydroxy-2-methylpropyl (E)-α-(1,3-dimethyl-5- phenoxy-pyrazol-4-yl)methyleneamino-oxy)-p-toluate (R-UL-1) and (E)-4-[(1,3-dimethyl-5- phenoxy-pyrazol-4-yl)methyleneaminooxymethyl]benzoic acid (M-3), expressed as fenpyroximate.

The residue is fat-soluble.

Note: The ADI and ARfD can be applied to metabolites M-1, M-3, M-5, M-21, M-22 and Fen-OH (2021). The 2021 Regular JMPR revised the ARfD for fenpyroximate, a new acute dietary risk assessment for all recommendations made by the 2017 and 2018 JMPRs was conducted in addition to those commodities considered by the current Meeting.

Based on the revised ARfD, the current Meeting confirmed the 2017 JMPR conclusion that the estimated acute dietary exposure to residues of fenpyroximate for the consumption of commodities from FS 0013 Subgroup of cherries, FS 0247 Peach, VC 0432 Watermelon may present a public health concern. Alternative GAP data were available for plums, so the 2017 JMPR exceedances noted for FS 0014 Plums and dried plum no longer exist.

In addition, the current Meeting also concluded, based on the revised ARfD, that the estimated acute dietary exposure to residues of fenpyroximate for the consumption of commodities FP 0226 Apple, FP 0230 Pear, FS 0240 Apricot, VC 0046 Melons (except watermelon), VO 2045 Subgroup of Tomatoes, VO 2046 Subgroup of Eggplants, VP 2060 Subgroup of Beans with pods as previously considered by the 2017 and 2018 JMPRs may present a public health concern.

Commodity Code		Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP	0226	Apple	0.2			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
DF	0226	Apples, dried	1			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
FI	0326	Avocado	0.2			CXL	2017	50		2018	
VP	2060	Beans with pods (subgroup)	0.5			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
SB	0716	Coffee beans	0.07			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0424	Cucumber			CXL	2017	50		2018	Recommended for withdrawal by JMPR (2021). Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
MO	0105	Edible offal (mammalian)			CXL	2021	53		2022	
VO	2046	Eggplants (subgroup)			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2017	50		2018	
FB	0269	Grapes			CXL	2017	50		2018	
DH	1100	Hops, dry			CXL	2017	50		2018	
AB	0002	Lemon and Lime, dried pulp		(dw)	CXL	2021	53		2022	
FC	0002	Lemons and limes (including citron) (subgroup)			CXL	2021	53		2022	
OR	0002	Lemons and limes, edible oil refined			CXL	2021	53		2022	
GC	0645	Maize		(*)	CXL	2017	50		2018	
AS	0645	Maize fodder (dry)			CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)			CXL	2021	53		2022	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2021	53		2022	
VC	0046	Melons, except watermelon			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
ML	0106	Milks			CXL	2021	53		2022	
FP	0230	Pear			CXL	2017	50		2018	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2017	50		2018	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2021	53		2022	
VR	0589	Potato			CXL	2017	50		2018	
DF	0014	Prunes			CXL	2021	53		2022	
AB	0005	Pummelo and grapefruit, dried pulp			CXL	2021	53		2022	
OR	0005	Pummelo and grapefruit, oil			CXL	2021	53		2022	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2021	53		2022	
VC	0431	Squash, summer			CXL	2017	50		2018	Recommended for withdrawal by JMPR (2021). Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
FS	0012	Stone fruits (group)		(except cherries)	CXL	2013	46		2014	Recommended for withdrawal by JMPR 2017.
FB	0275	Strawberry			CXL	2017	50		2018	
VP	2062	Succulent beans without pods (subgroup)			CXL	2021	53		2022	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2017	50		2018	
VO	2045	Tomatoes (subgroup)			CXL	2018	51		2019	Retained under the 4-year rule awaiting confirmation of alternative GAP and supporting data (53:72).
TN	0085	Tree nuts (group)			CXL	2017	50		2018	

194 Haloxyfop

Main Uses: Herbicide

ADI: 0-0.0007 mg/kg bw (2006)

ARfD: 0.08 mg/kg bw (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Sum of haloxyfop (including haloxyfop-P), its esters and its conjugates expressed as haloxyfop.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.02	(*)	CXL	09	42		2010	
VD	0071	Bean (dry)	3		CXL	09	43		2011	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.5		CXL	09	43		2011	
VD	0524	Chick-pea (dry)	0.05		CXL	09	43		2011	
FC	0001	Citrus fruits (group)	0.02	(*)	CXL	09	43		2011	
SB	0716	Coffee beans	0.02	(*)	CXL	09	42		2010	
SO	0691	Cotton seed	0.7		CXL	09	43		2011	
MO	0105	Edible offal (mammalian)	2		CXL	09	43		2011	
PE	0112	Eggs	0.1		CXL	09	43		2011	
AM	1051	Fodder beet	0.4		CXL	09	43		2011	
FB	0269	Grapes	0.02	(*)	CXL	09	42		2011	
MM	0095	Meat (from mammals other than marine mammals)	0.5	(fat)	CXL	09	43		2011	
FM	0183	Milk fats	7		CXL	09	43		2011	
ML	0106	Milks	0.3		CXL	09	43		2011	
VA	0385	Onion, bulb	0.2		CXL	09	42		2010	
AL	0697	Peanut fodder	5		CXL	09	43		2011	
VD	0072	Peas (dry)	0.2		CXL	09	43		2011	
VP	0063	Peas (pods and succulent=immature seeds)	0.7		CXL	09	43		2011	
VP	0064	Peas, shelled (succulent seeds)	1		CXL	09	43		2011	
FP	0009	Pome fruits (group)	0.02	(*)	CXL	09	43		2011	
PM	0110	Poultry meat	0.7	(fat)	CXL	09	43		2011	
PO	0111	Poultry, edible offal of	0.7		CXL	09	43		2011	
SO	0495	Rape seed	3		CXL	09	43		2011	
VD	0541	Soya bean (dry)	2		CXL	09	43		2011	
FS	0012	Stone fruits (group)	0.02	(*)	CXL	09	42		2010	
VR	0596	Sugar beet	0.4		CXL	09	43		2011	
SO	0702	Sunflower seed	0.3		CXL	09	43		2011	

195 Flumethrin

Main Uses: Insecticide

ADI: 0.004 mg/kg bw (1996)

ARfD: N/A

Residue: Flumethrin (fat-soluble).

Note: The 1996 JMPR proposed an MRL of 0.005 mg/kg (*) for honey which has not been included in the Codex Classification of Foods and Animal Feeds.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM 0812	Cattle meat	0.2 (fat) V		On carcass fat basis. The MRL accommodates external animal treatment.	CXL	96	30		1999	
ML 0812	Cattle milk	0.05 F V		On carcass fat basis. The MRL accommodates external animal treatment.	CXL	96	30		1999	

196 Tebufenozide

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (1996)

ARfD: 0.9 mg/kg bw (2003)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Tebufenozide.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	30		CXL	01	36	34,35	2004	
TN	0660	Almonds	0.05		CXL	01	36	34,35	2004	
FI	0326	Avocado	1		CXL	01	36	34,35	2004	
FB	0020	Blueberries	3		CXL	01	36	34,35	2004	
VB	0400	Broccoli	0.5		CXL	01	36	34,35	2004	
VB	0041	Cabbages, head	5		CXL	01	36	34,35	2004	
ML	0812	Cattle milk	0.05		CXL	01	36	34,35	2004	
FC	0001	Citrus fruits (group)	2		CXL	01	45	34-36	2013	
FB	0265	Cranberry	0.5		CXL	01	36	34,35	2004	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	03	36		2004	
PE	0112	Eggs	0.02	(*)	CXL	01	36	34,35	2004	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	01	36	34,35	2004	
FB	0269	Grapes	2		CXL	01	36	35	2004	
FI	0341	Kiwifruit	0.5		CXL	97	31		1999	
VL	0053	Leafy vegetables (group)	10		CXL	01	36	34,35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	CXL	03	36		2004	
ML	0106	Milks	0.01	(*)	CXL	03	36		2004	
HH	0738	Mints	20		CXL	01	36	34,35	2004	
FS	0245	Nectarine	0.5		CXL	01	36	34,35	2004	
FS	0247	Peach	0.5		CXL	01	36	34,35	2004	
TN	0672	Pecan	0.01	(*)	CXL	01	36	34,35	2004	
VO	0051	Peppers (subgroup)	1		CXL	01	36	35	2004	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried	10		CXL	04	38	37	2006	
FP	0009	Pome fruits (group)	1		CXL	96,99	30		1999	
PM	0110	Poultry meat	0.02	(*)	CXL	01	36	34,35	2004	
SO	0495	Rape seed	2		CXL	01	36	34,35	2004	
FB	0272	Raspberries, red, black	2		CXL	01	36	34,35	2004	
CM	0649	Rice, husked	0.1		CXL	96	30		1999	
GS	0659	Sugar cane	1		CXL	01	36	34,35	2004	
VO	0448	Tomato	1		CXL	01	36	34,35	2004	
TN	0678	Walnuts	0.05		CXL	96	30		1999	

197 Fenbuconazole

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (1997)

ARfD: 0.2 mg/kg bw (2012)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Fenbuconazole.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	3		CXL	09	45	43,44	2013	
FS	0240	Apricot	0.5		CXL	97	32	31	2001	
FI	0327	Banana	0.05		CXL	97	31		1999	
GC	0640	Barley	0.2		CXL	97	32	31	2001	
CM	0640	Barley bran, unprocessed	1		CXL	09	45	43,44	2013	
AS	0640	Barley, hay and/or straw	3		CXL	97	32	31	2001	
FB	0020	Blueberries	0.5		CXL	09	45	43,44	2013	
FS	0013	Cherries (subgroup)	1		CXL	97	31		1999	
FC	0001	Citrus fruits (group)	0.5	(except lemons and limes)	CXL	2013	46		2014	
OR	0001	Citrus oil, edible	30	(except lemons and limes)	CXL	2013	46		2014	
AB	0001	Citrus pulp, dried	4		CXL	2013	46		2014	
FB	0265	Cranberry	1		CXL	09	45	43,44	2013	
VC	0424	Cucumber	0.2		CXL	97	31		1999	
MO	0105	Edible offal (mammalian)	0.1		CXL	09	45	43,44	2013	
PE	0112	Eggs	0.01	(*)	CXL	09	42		2010	
FB	0269	Grapes	1		CXL	97	31		1999	
FC	0002	Lemons and limes (including citron) (subgroup)	1		CXL	2013	46		2014	
OR	0002	Lemons and limes, edible oil refined	60		CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.01		CXL	09	45	43,44	2013	
VC	0046	Melons, except watermelon	0.2		CXL	97	31		1999	
ML	0106	Milks	0.01	(*)	CXL	09	42		2010	
FS	0247	Peach	0.5		CXL	97	32	31	2001	
SO	0697	Peanut	0.1		CXL	09	45	43,44	2013	
AL	0697	Peanut fodder	15		CXL	09	45	43,44	2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	09	45	43,44	2013	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	09	45	43,44	2013	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	09	45	43,44	2013	
FP	0009	Pome fruits (group)			CXL	09	45	43,44	2013	
PM	0110	Poultry meat			CXL	09	42		2010	
PO	0111	Poultry, edible offal of			CXL	09	42		2010	
SO	0495	Rape seed			CXL	97	32	31	2001	
GC	0650	Rye			CXL	97	31		1999	
VC	0431	Squash, summer			CXL	97	31		1999	
SO	0702	Sunflower seed			CXL	97	31		1999	
AS	0447	Sweet corn fodder			CXL	09	45	43	2013	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2021	53		2022	
TN	0085	Tree nuts (group)			CXL	09	42		2010	
GC	0654	Wheat			CXL	97	31		1999	
AS	0654	Wheat, hay and/or straw			CXL	97	31		1999	

199 Kresoxim-Methyl

Main Uses: Fungicide

ADI: 0–0.3 mg/kg bw (2018)

ARfD: Unnecessary (2018)

Residue: For compliance with the MRL for plant commodities: Kresoxim-methyl. For dietary risk assessment for plant commodities: Sum of kresoxim-methyl and metabolites (2E)-(methoxyimino){2-[(2-methylphenoxy)methyl]phenyl}acetic acid (490M1) and (2E)-{2-[(4-hydroxy-2-methylphenoxy)methyl]phenyl}(methoxyimino)acetic acid (490M9) including their conjugates expressed as kresoxim-methyl.

For compliance with the MRL and dietary risk assessment for animal commodities: Sum of metabolites (2E)-(methoxyimino){2-[(2-methylphenoxy)methyl]phenyl}acetic acid (490M1), and (2E)-{2-[(4-hydroxy-2-methylphenoxy)methyl]phenyl}(methoxyimino)acetic acid (490M9) expressed as kresoxim-methyl.

The residue is not fat-soluble

Note: The 2018 JMPR concluded that the ADI could be applied to the metabolites 490M1 and 490M9 and their conjugates.

JMPR also concluded that if future uses of kresoxim-methyl result in an increase of the exposure for metabolite 490M2, a reconsideration of the residue definition for dietary exposure purposes may become necessary.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	2087	Barley, similar grains, and pseudocereals with husks (subgroup)	0.15		CXL	2018	51		2019	
VR	0574	Beetroot	0.05	(*)	CXL	2018	51		2019	
FB	0021	Currants, black, red, white	0.9		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.05		CXL	2018	51		2019	
PE	0112	Eggs	0.02	(*)	CXL	2018	51		2019	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	2018	51		2019	
VA	0381	Garlic	0.01		CXL	2018	51		2019	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	3		CXL	2018	51		2019	
FB	0269	Grapes	1.5		CXL	2018	51		2019	
VA	0384	Leek	10		CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2018	51		2019	
FI	0345	Mango	0.1		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	2018	51		2019	
ML	0106	Milks	0.02	(*)	CXL	2018	51		2019	
OC	0305	Olive oil, virgin	1		CXL	2018	51		2019	
SO	0305	Olives for oil production	0.2		CXL	2018	51		2019	
FS	0247	Peach	1.5		CXL	2018	51		2019	
TN	0672	Pecan	0.05	(*)	CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2018	51		2019	
FP	0009	Pome fruits (group)		(except Japanese persimmon)	CXL	2019	52		2021	
PF	0111	Poultry fats			CXL	2018	51		2019	
PM	0110	Poultry meat			CXL	2018	51		2019	
PO	0111	Poultry, edible offal of			CXL	2018	51		2019	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	3	(DM)	CXL	2018	51		2019	
VR	0596	Sugar beet	0.05	(*)	CXL	2018	51		2019	
FT	0305	Table olives	0.2		CXL	2018	51		2019	
VR	4571	Turnip	0.05	(*)	CXL	2018	51		2019	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)	0.05		CXL	2018	51		2019	

200 Pyriproxyfen

Main Uses: Insecticide

ADI: 0–0.1 mg/kg bw (1999)

ARfD: Unnecessary (1999)

Residue: For compliance with the MRL and dietary risk assessment in plant and animal commodities: Pyriproxyfen.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0812	Cattle meat	0.01	(*) (fat)	CXL	1999	34	33	2003	
MO	0812	Cattle, edible offal of	0.01	(*)	CXL	1999	34	33	2003	
FC	0001	Citrus fruits (group)	0.5		CXL	1999	33		2001	
SO	0691	Cotton seed	0.05		CXL	1999	34	33	2003	
OC	0691	Cotton seed oil, crude	0.01		CXL	1999	34	33	2003	
OR	0691	Cotton seed oil, edible	0.01		CXL	1999	34	33	2003	
VC	0424	Cucumber	0.04		CXL	2018	51		2019	
VO	0440	Eggplant	0.6		CXL	2018	51		2019	
VC	0425	Gherkin	0.04		CXL	2018	51		2019	
MM	0814	Goat meat	0.01	(*) (fat)	CXL	1999	34	33	2003	
MO	0814	Goat, edible offal of	0.01	(*)	CXL	1999	34	33	2003	
FI	0345	Mango	0.02	(*)	CXL	2019	52		2021	
VC	0046	Melons, except watermelon	0.07		CXL	2018	51		2019	
FI	0350	Papaya	0.3		CXL	2018	51		2019	
VO	0051	Peppers (subgroup)	0.6		CXL	2018	51		2019	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Groupv corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	6		CXL	2018	51		2019	
FI	0353	Pineapple	0.01		CXL	2018	51		2019	
VC	0431	Squash, summer	0.04		CXL	2018	51		2019	
VO	0448	Tomato	0.4		CXL	2018	51		2019	

201 Chlorpropham

Main Uses: Plant growth regulator
 ADI: 0-0.05 mg/kg bw (2005)
 ARfD: 0.5 mg/kg bw (2005)
 Residue: Chlorpropham (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0812	Cattle meat	0.1	(fat)	CXL	01	38	34,35,37	2006	
MO	0812	Cattle, edible offal of	0.01	(*)	CXL	01	38	34,35,37	2006	
FM	0183	Milk fats	0.02		CXL	08	41		2009	
ML	0106	Milks	0.01	(*)	CXL	08	41		2009	
VR	0589	Potato	30	Po	CXL	01	38	34,35,37	2006	

202 Fipronil

Main Uses: Insecticide

ADI: 0–0.0002 mg/kg bw (2021)

ARfD: 0.03 mg/kg bw (2021)

Residue: For compliance with the MRL for plant and animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4- trifluoromethylsulfonylpyrazole (MB46136) expressed in terms of fipronil.

For dietary risk assessment for plant and animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4- trifluoromethylsulfonylpyrazole (MB46136), 5-amino-3-cyano-1-(2,6-dichloro-4- trifluoromethylphenyl)-4-trifluoromethylthiopyrazole (MB45950) and 5-amino-3-cyano-1-(2,6- dichloro-4-trifluoromethylphenyl)-4-trifluoromethylpyrazole (MB46513) expressed in terms of fipronil.

The residue is fat-soluble.

Note: On the basis of the information provided to the JMPR it was concluded that the estimated long-term dietary exposure to residues of fipronil may present a public health concern. The JMPR Secretariat informed CCPR that a chronic risk had been identified for fipronil. The manufacturer would submit data and alternative GAP information to address this risk. CCPR agreed to retain all the CXLs under the 4-year rule and retain the proposed MRLs at Step 4 (53:77-79).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.005			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). The JMPR Secretariat informed CCPR that a chronic risk had been identified for fipronil. The CCPR was advised that the manufacturer would submit data and alternative GAP information to address this risk. CCPR agreed to retain all the CXLs under the 4-year rule and retain the proposed MRLs at Step 4 (53:77-79).
FI	0327 Banana	0.004 (*)			4	2021	53			(See banana)
GC	0640 Barley	0.002 (*)			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
AS	0640 Barley, hay and/or straw	0.07			4	2021	53			(See banana)
GC	2087 Barley, similar grains, and pseudocereals with husks (subgroup)	0.004 (*)			4	2021	53			(See banana)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HH	0722	Basil, leaves			CXL	2016	49		2017	Recommended for withdrawal by JMPR (2021). (See banana)
HH	0722	Basil, leaves			4	2021	53			(See banana)
VP	2060	Beans with pods (subgroup)			4	2021	53			(See banana)
VB	0041	Cabbages, head			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
MO	1280	Cattle kidney			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
MO	1281	Cattle liver			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
MM	0812	Cattle meat	(fat)		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
ML	0812	Cattle milk			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
SO	0691	Cotton seed			4	2021	53			(See banana)
VD	2065	Dry beans (subgroup)		(except soya beans)	4	2021	53			(See banana)
MO	0105	Edible offal (mammalian)			4	2021	53			(See banana)
PE	0112	Eggs			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
PE	0112	Eggs			4	2021	53			(See banana)
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
VL	0053	Leafy vegetables (group)		(residues resulting from rotational cropping)	4	2021	53			(See banana)
GC	0645	Maize			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
GC	2091	Maize cereals (subgroup)			4	2021	53			(See banana)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0645	Maize fodder (dry)			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
MF	0100	Mammalian fats (except milk fats)			4	2021	53			(See banana)
MM	0095	Meat (from mammals other than marine mammals)			4	2021	53			(See banana)
FM	0183	Milk fats			4	2021	53			(See banana)
ML	0106	Milks			4	2021	53			(See banana)
AS	3559	Oat, hay and/or straw		(dw)	4	2021	53			(See banana)
GC	0647	Oats		(*)	CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
VA	0385	Onion, bulb			4	2021	53			(See banana)
VR	0589	Potato			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
VR	0589	Potato			4	2021	53			(See banana)
PF	0111	Poultry fats			4	2021	53			(See banana)
PM	0110	Poultry meat		(*)	CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
PM	0110	Poultry meat			4	2021	53			(See banana)
PO	0111	Poultry, edible offal of			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021). (See banana)
PO	0111	Poultry, edible offal of			4	2021	53			(See banana)
GC	0649	Rice			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
CM	1206	Rice bran, unprocessed			4	2021	53			(See banana)
GC	2088	Rice cereals (subgroup)			4	2021	53			(See banana)
AS	0649	Rice, hay and/or straw			CXL	01	35	34	2003	Withdrawal recommended by JMPR (2021). (See banana)
AS	0649	Rice, hay and/or straw		(dw)	4	2021	53			(See banana)
AS	3570	Rice, hulls			4	2021	53			(See banana)
CM	0649	Rice, husked			4	2021	53			(See banana)
CM	1205	Rice, polished			4	2021	53			(See banana)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0075	Root and tuber vegetables (group)			4	2021	53			(See banana)
GC	0650	Rye			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
AS	3560	Rye, hay and/or straw			4	2021	53			(See banana)
VD	0541	Soya bean (dry)			4	2021	53			(See banana)
OC	0541	Soya bean oil, crude			4	2021	53			(See banana)
AL	3538	Soya bean, hulls			4	2021	53			(See banana)
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			4	2021	53			(See banana)
VR	0596	Sugar beet			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
VR	0596	Sugar beet			4	2021	53			(See banana)
GS	0659	Sugar cane			4	2021	53			(See banana)
SO	0702	Sunflower seed			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
SO	2091	Sunflower seeds (subgroup)			4	2021	53			(See banana)
VO	2045	Tomatoes (subgroup)			4	2021	53			(See banana)
GC	0653	Triticale			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
AS	0653	Triticale, hay and/or straw			4	2021	53			(See banana)
GC	0654	Wheat			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021). (See banana)
AS	0654	Wheat, hay and/or straw			4	2021	53			(See banana)
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			4	2021	53			(See banana)

203 Spinosad

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2001)

ARfD: Unnecessary (2001)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Sum of spinosyn A and spinosyn D.

The residue is fat-soluble, but the residues in milk should be determined in the whole milk.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	01	36	34,35	2004	
FB	0264	Blackberries			CXL	11	44		2012	
FB	0020	Blueberries			CXL	11	44		2012	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	01	35		2004	
MO	1280	Cattle kidney		The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
MO	1281	Cattle liver		The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
MM	0812	Cattle meat	(fat)	The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
ML	0812	Cattle milk		The MRL accommodates external animal treatment.	CXL	01	36	34,35	2004	
FM	0812	Cattle milk fat			CXL	04	37		2005	
VS	0624	Celery			CXL	01	35	34	2003	
GC	0080	Cereal grains (group)	Po		CXL	04	37		2005	
FC	0001	Citrus fruits (group)			CXL	01	35	34	2003	
SO	0691	Cotton seed	(*)		CXL	01	35	34	2003	
OC	0691	Cotton seed oil, crude	(*)		CXL	01	35	34	2003	
OR	0691	Cotton seed oil, edible	(*)		CXL	01	35	34	2003	
FB	0265	Cranberry			CXL	11	44		2012	
FB	0266	Dewberries (including boysenberry and loganberry)			CXL	11	44		2012	
MO	0105	Edible offal (mammalian)		(except cattle)	CXL	04	37		2005	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs			CXL	01	35	34	2003	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	01	35	34	2003	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	04	37		2005	
FB	0269	Grapes			CXL	04	37		2005	
FI	0341	Kiwifruit			CXL	01	35	34	2003	
VL	0053	Leafy vegetables (group)			CXL	01	36	34,35	2004	
VP	0060	Legume vegetables (group)			CXL	01	35	34	2003	
AS	0645	Maize fodder (dry)			CXL	01	35	34	2003	
MM	0095	Meat (from mammals other than marine mammals)			CXL	04	37		2005	
VA	0385	Onion, bulb			CXL	11	44		2012	
FI	0351	Passion fruit			CXL	11	44		2012	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	01	35	34	2003	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
VR	0589	Potato			CXL	01	35	34	2003	
PM	0110	Poultry meat			CXL	01	35	34	2003	
FB	0272	Raspberries, red, black			CXL	11	44		2012	
VD	0541	Soya bean (dry)			CXL	01	35	34	2003	
VA	0389	Spring onion			CXL	11	44		2012	
FS	0012	Stone fruits (group)			CXL	01	35	34	2003	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	01	35	34	2003	
VO	0448	Tomato			CXL	01	35	34	2003	
TN	0085	Tree nuts (group)			CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed			CXL	04	37		2005	
AS	0654	Wheat, hay and/or straw			CXL	01	35	34	2003	

204 Esfenvalerate

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2002)

ARfD: 0.02 mg/kg bw (2002)

Residue: Sum of fenvalerate isomers (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0691 Cotton seed	0.05			CXL	02	45	43,44	2013	
PE	0112 Eggs	0.01 (*)			CXL	02	36	35	2004	
PM	0110 Poultry meat	0.01 (*) (fat)			CXL	02	36	35	2004	
PO	0111 Poultry, edible offal of	0.01 (*)			CXL	02	36	35	2004	
SO	0495 Rape seed	0.01 (*)			CXL	02	36	35	2004	
VO	0448 Tomato	0.1			CXL	02	45	43,44	2013	
GC	0654 Wheat	0.05			CXL	02	45	43,44	2013	
AS	0654 Wheat, hay and/or straw	2			CXL	02	36	35	2004	

205 Flutolanil

Main Uses: Fungicide

ADI: 0.09 mg/kg bw (2002)

ARfD: Unnecessary (2002)

Residue: For compliance with MRL and for estimation of dietary intake for plant commodities: Flutolanil.

For compliance with MRL and for estimation of dietary intake for animal commodities: Flutolanil and transformation products containing the 2-trifluoromethylbenzoic acid moiety, expressed as flutolanil.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.05	(*)	CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)	0.5		CXL	2013	46		2014	
PE	0112	Eggs	0.05	(*)	CXL	02	36	35	2004	
VL	0054	Leaves of Brassicaceae (subgroup)	0.07		CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	02	36	35	2004	
ML	0106	Milks	0.05	(*)	CXL	02	36	35	2004	
PM	0110	Poultry meat	0.05	(*)	CXL	02	36	35	2004	
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	02	36	35	2004	
CM	1206	Rice bran, unprocessed	10		CXL	02	36	35	2004	
AS	0649	Rice, hay and/or straw	10		CXL	02	36	35	2004	
CM	0649	Rice, husked	2		CXL	02	36	35	2004	
CM	1205	Rice, polished	1		CXL	02	36	35	2004	

206 Imidacloprid

Main Uses: Insecticide

ADI: 0-0.06 mg/kg bw (2001)

ARfD: 0.4 mg/kg body weight, confirmed 2006 (2002)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	5		CXL	08	41		2009	
FP	0226	Apple	0.5		CXL	02	36	35	2004	
FI	0327	Banana	0.05		CXL	02	36	35	2004	
AS	0640	Barley, hay and/or straw	1		CXL	02	36	35	2004	
HH	0722	Basil, leaves	20		CXL	2015	48		2016	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	2		CXL	02	36	35	2004	
FB	0018	Berries and other small fruits	5	(except cranberries, grapes and strawberries)	CXL	08	41		2009	
VB	0400	Broccoli	0.5		CXL	02	36	35	2004	
VB	0402	Brussels sprouts	0.5		CXL	02	36	35	2004	
VB	0041	Cabbages, head	0.5		CXL	02	36	35	2004	
VB	0404	Cauliflower	0.5		CXL	02	36	35	2004	
VS	0624	Celery	6		CXL	12	45		2013	
GC	0080	Cereal grains (group)	0.05		CXL	02	36	35	2004	
FS	0013	Cherries (subgroup)	4		CXL	2015	48		2016	
FC	0001	Citrus fruits (group)	1		CXL	02	45	35,36	2013	
AB	0001	Citrus pulp, dried	10		CXL	02	36	35	2004	
SB	0716	Coffee beans	1		CXL	08	41		2009	
FB	0265	Cranberry	0.05	(*)	CXL	06	39		2007	
VC	0424	Cucumber	1		CXL	02	36	35	2004	
MO	0105	Edible offal (mammalian)	0.3		CXL	08	41		2009	
VO	0440	Eggplant	0.2		CXL	02	36	35	2004	
PE	0112	Eggs	0.02		CXL	08	41		2009	
FB	0269	Grapes	1		CXL	02	36	35	2004	
DH	1100	Hops, dry	10		CXL	02	36	35	2004	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	5		CXL	2015	48		2016	
VA	0384	Leek	0.05	(*)	CXL	02	36	35	2004	
VL	0482	Lettuce, head	2		CXL	02	36	35	2004	
AS	0645	Maize fodder (dry)	0.2		CXL	02	36	35	2004	
FI	0345	Mango	0.2		CXL	02	36	35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.1		CXL	08	41		2009	
VC	0046	Melons, except watermelon	0.2		CXL	02	36	35	2004	
ML	0106	Milks	0.1		CXL	08	41		2009	
AS	0647	Oat straw and fodder, dry	1		CXL	02	36	35	2004	
SO	0305	Olives for oil production	2		CXL	2015	48		2016	
VA	0385	Onion, bulb	0.1		CXL	02	36	35	2004	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1.5		CXL	2015	48		2016	
SO	0697	Peanut	1		CXL	08	41		2009	
AL	0697	Peanut fodder	30		CXL	08	41		2009	
FP	0230	Pear	1		CXL	02	36	35	2004	
VP	0063	Peas (pods and succulent=immature seeds)	5		CXL	08	41		2009	
VP	0064	Peas, shelled (succulent seeds)	2		CXL	08	41		2009	
VO	0051	Peppers (subgroup)	1	MRL provisionally applies to okra, martynia, and roselle.	CXL	02	36	35	2004	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	10		CXL	04	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)	1.5		CXL	2015	48		2016	
FI	0355	Pomegranate	1		CXL	08	41		2009	
PM	0110	Poultry meat	0.02		CXL	08	41		2009	
PO	0111	Poultry, edible offal of	0.05		CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0014	Prunes			CXL	2015	48			2016
VD	0070	Pulses (group)		(except soya beans)	CXL	12	45			2013
VL	0494	Radish leaves (including radish tops)			CXL	08	41			2009
SO	0495	Rape seed			CXL	02	36	35		2004
VR	0075	Root and tuber vegetables (group)			CXL	08	41			2009
AS	0650	Rye straw and fodder, dry			CXL	02	36	35		2004
VD	0541	Soya bean (dry)			CXL	2015	48			2016
AL	0541	Soya bean, hay and/or straw			CXL	2015	48			2016
VC	0431	Squash, summer			CXL	02	36	35		2004
FB	0275	Strawberry			CXL	08	41			2009
SO	0702	Sunflower seed			CXL	08	41			2009
VO	0447	Sweet corn (corn-on-the-cob)			CXL	02	36	35		2004
AS	0447	Sweet corn fodder			CXL	02	36	35		2004
FT	0305	Table olives			CXL	2015	48			2016
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2015	48			2016
VO	0448	Tomato			CXL	02	36	35		2004
TN	0085	Tree nuts (group)			CXL	07	41			2009
VC	0432	Watermelon			CXL	02	36	35		2004
CM	0654	Wheat bran, unprocessed			CXL	02	36	35		2004
CF	1211	Wheat flour			CXL	02	36	35		2004
AS	0654	Wheat, hay and/or straw			CXL	02	36	35		2004

207 Cyprodinil

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (2003)

ARfD: Unnecessary (2003)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Cyprodinil.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	0.05	(*)	CXL	2003	37	36	2005	
TN	0660	Almonds	0.02	(*)	CXL	2003	37	36	2005	
VS	0620	Artichoke, globe	4		CXL	2017	50		2018	
FI	0326	Avocado	1		CXL	2013	46		2014	
GC	0640	Barley	3		CXL	2003	37	36	2005	
VP	2060	Beans with pods (subgroup)	2		CXL	2017	50		2018	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.06		CXL	2013	46		2014	
FB	0018	Berries and other small fruits	10	(except grapes)	CXL	2013	46		2014	
VB	0041	Cabbages, head	0.7		CXL	2013	46		2014	
VR	0577	Carrot	1.5		CXL	2017	50		2018	
VS	0624	Celery	30		CXL	2017	50		2018	
DH	0170	Dried herbs	300	(except hops, dry)	CXL	2013	46		2014	
VD	2065	Dry beans (subgroup)	0.2	(except soya beans)	CXL	2021	53		2022	
VD	2066	Dry peas (subgroup)	0.2		CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)	0.01		CXL	2013	46		2014	
PE	0112	Eggs	0.01	(*)	CXL	2003	37	36	2005	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	2		CXL	2013	46		2014	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	2013	46		2014	
VO	0050	Fruiting vegetables, other than cucurbits (group)	2	(except sweet corn and mushroom)	CXL	2013	46		2014	
VR	0604	Ginseng	0.3		CXL	2021	53		2022	
DV	0604	Ginseng, dried including red ginseng	3		CXL	2021	53		2022	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	2003	37	36	2005	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0269	Grapes			CXL	2003	37	36	2005	
FT	0336	Guava			CXL	2017	50		2018	
HH	0092	Herbs			CXL	2013	46		2014	
VL	0053	Leafy vegetables (group)		(except brassica leafy vegetables)	CXL	2013	46		2014	
VL	0054	Leaves of Brassicaceae (subgroup)			CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2003	37	36	2005	
ML	0106	Milks		The MRL is calculated as 4% of the LOQ for milk fat (0.01 mg/kg). Milk fat is the fraction of the milk that is analysed (JMPR 2003).	CXL	2003	37	36	2005	
VA	0385	Onion, bulb			CXL	2003	37	36	2005	
VR	0588	Parsnip			CXL	2013	46		2014	
VP	2061	Peas with pods (subgroup)			CXL	2021	53		2022	
HS	0444	Peppers chili, dried			CXL	2013	46		2014	
FP	0009	Pome fruits (group)			CXL	2013	46		2014	
FI	0355	Pomegranate		Po	CXL	2018	51		2019	
VR	0589	Potato			CXL	2017	50		2018	
PM	0110	Poultry meat			CXL	2003	37	36	2005	
PO	0111	Poultry, edible offal of			CXL	2003	37	36	2005	
DF	0014	Prunes			CXL	2003	37	36	2005	
VR	0494	Radish			CXL	2013	46		2014	
SO	0495	Rape seed			CXL	2015	48		2016	
VD	0541	Soya bean (dry)			CXL	2019	52		2021	
FS	0012	Stone fruits (group)			CXL	2003	37	36	2005	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			CXL	2003	37	36	2005	
TN	0085	Tree nuts (group)		(except almond and pistachio)	CXL	2017	50		2018	
GC	0654	Wheat			CXL	2003	37	36	2005	
CM	0654	Wheat bran, unprocessed			CXL	2003	37	36	2005	

208 Famoxadone

Main Uses: Fungicide

ADI: 0-0.006 mg/kg bw (2003)

ARfD: 0.6 mg/kg bw (2003)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Famoxadone.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2003	37	36	2005	
AS	0640	Barley, hay and/or straw			CXL	2003	37	36	2005	
VA	2031	Bulb onions (subgroup)			CXL	2022	54		2023	
FB	2005	Cane berries (subgroup)			CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)			CXL	2003	37	36	2005	
PE	0112	Eggs		(*)	CXL	2003	37	36	2005	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)			CXL	2022	54		2023	
AB	0269	Grape pomace, dried			CXL	2003	37	36	2005	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2003	37	36	2005	
FB	0269	Grapes			CXL	2003	37	36	2005	
MU	1100	Hops, dried			CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2003	37	36	2005	
ML	0106	Milks		F	CXL	2003	37	36	2005	
VO	0444	Peppers chili			CXL	2022	54		2023	
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
VO	0445	Peppers, sweet (including pimento or pimienta)			CXL	2022	54		2023	
VR	0589	Potato		(*)	CXL	2003	37	36	2005	
PM	0110	Poultry meat		(*)	CXL	2003	37	36	2005	
PO	0111	Poultry, edible offal of		(*)	CXL	2003	37	36	2005	
VO	0448	Tomato			CXL	2022	54		2023	
GC	0654	Wheat			CXL	2003	37	36	2005	
CM	0654	Wheat bran, unprocessed			CXL	2003	37	36	2005	
AS	0654	Wheat, hay and/or straw			CXL	2003	37	36	2005	

209 Methoxyfenozide

Main Uses: Insecticide

ADI: 0-0.1 mg/kg bw (2003)

ARfD: 0.9 mg/kg bw (2003)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Methoxyfenozide.

The residue is fat-soluble in its distribution between meat muscle and fat, but not in its distribution in milk.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	50		CXL	03	37	36	2005	
FI	0326	Avocado	0.7		CXL	09	42		2010	
DH	0722	Basil leaves, dried	400		CXL	2021	53		2022	
HH	0722	Basil, leaves	80		CXL	2021	53		2022	
VD	0071	Bean (dry)	0.5		CXL	09	42		2010	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.3		CXL	09	42		2010	
FB	0020	Blueberries	4		CXL	09	42		2010	
VB	0400	Broccoli	3		CXL	03	37	36	2005	
VB	0041	Cabbages, head	7		CXL	03	37	36	2005	
VR	0577	Carrot	0.5		CXL	09	42		2010	
VS	0624	Celery	15		CXL	03	37	36	2005	
FC	0001	Citrus fruits (group)	2		CXL	12	45		2013	
SB	0716	Coffee beans	0.15		CXL	2021	53		2022	
VP	0526	Common bean (pods and/or immature seeds)	2		CXL	09	42		2010	
SO	0691	Cotton seed	7		CXL	03	37	36	2005	
VD	0527	Cowpea (dry)	5		CXL	09	42		2010	
FB	0265	Cranberry	0.7		CXL	09	42		2010	
MO	0105	Edible offal (mammalian)	0.2		CXL	12	45		2013	
PE	0112	Eggs	0.01		CXL	03	37	36	2005	
VC	0045	Fruiting vegetables, cucurbits (group)	0.3	(except watermelon)	CXL	12	45		2013	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	03	37	36	2005	
FB	0269	Grapes	1		CXL	03	37	36	2005	
VL	0482	Lettuce, head	15		CXL	03	37	36	2005	
VL	0483	Lettuce, leaf	30		CXL	03	37	36	2005	
GC	0645	Maize	0.02	(*)	CXL	03	37	36	2005	
AS	0645	Maize fodder (dry)	60	(dw)	CXL	03	37	36	2005	
MF	0100	Mammalian fats (except milk fats)	0.3		CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0095	Meat (from mammals other than marine mammals)	0.3	(fat)	CXL	12	45		2013	
ML	0106	Milks	0.05		CXL	09	42		2010	
VL	0485	Mustard greens	30		CXL	03	37	36	2005	
FI	0350	Papaya	1		CXL	09	42		2010	
SO	0697	Peanut	0.03		CXL	09	42		2010	
AL	0697	Peanut fodder	80		CXL	09	42		2010	
OR	0697	Peanut oil, edible	0.1		CXL	09	42		2010	
VD	0072	Peas (dry)	5		CXL	12	45		2013	
VP	0063	Peas (pods and succulent=immature seeds)	2		CXL	12	45		2013	
VP	0064	Peas, shelled (succulent seeds)	0.3		CXL	09	42		2010	
VO	0051	Peppers (subgroup)	2		CXL	03	37	36	2005	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	20		CXL	04	38	37	2006	
FP	0009	Pome fruits (group)	2		CXL	03	37	36	2005	
PM	0110	Poultry meat	0.01	(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	03	37	36	2005	
DF	0014	Prunes	2		CXL	03	37	36	2005	
VR	0494	Radish	0.4		CXL	09	42		2010	
VL	0494	Radish leaves (including radish tops)	7		CXL	09	42		2010	
FS	0012	Stone fruits (group)	2		CXL	03	37	36	2005	
FB	0275	Strawberry	2		CXL	09	42		2010	
VR	0596	Sugar beet	0.3		CXL	09	42		2010	
GS	0659	Sugar cane	0.015		CXL	2021	53		2022	
DM	0659	Sugar cane molasses	0.1		CXL	2021	53		2022	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	CXL	03	37	36	2005	
AS	0447	Sweet corn fodder	7		CXL	03	37	36	2005	
VR	0508	Sweet potato	0.02		CXL	09	42		2010	
DT	1114	Tea, green, black (black, fermented and dried)	80		CXL	2021	53		2022	
VO	0448	Tomato	2		CXL	03	37	36	2005	
TN	0085	Tree nuts (group)	0.1		CXL	03	37	36	2005	

210 Pyraclostrobin

Main Uses: Fungicide

ADI: 0-0.03 mg/kg bw (2003)

ARfD: 0.7 mg/kg bw (2018)

Residue: For compliance with MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Pyraclostrobin.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	30		CXL	2011	44		2012	
VS	0620	Artichoke, globe	2		CXL	2011	44		2012	
VS	0621	Asparagus	0.01	(*)	CXL	2018	51		2019	
FI	0326	Avocado	0.2		CXL	2018	51		2019	
FI	0327	Banana	0.02	(*)	CXL	2004	38	37	2006	
GC	0640	Barley	1		CXL	2011	44		2012	
VD	0071	Bean (dry)	0.2		CXL	2004	38	37	2006	
VP	2060	Beans with pods (subgroup)	0.3	(except common beans)	CXL	2018	51		2019	
FB	0264	Blackberries	3		CXL	2011	44		2012	
FB	0020	Blueberries	4		CXL	2011	44		2012	
VP	0523	Broad bean, without pods (succulent seeds)	0.01		CXL	2018	51		2019	
VB	0402	Brussels sprouts	0.3		CXL	2006	39		2007	
VB	0041	Cabbages, head	0.2		CXL	2006	39		2007	
SB	0715	Cacao beans	0.01		CXL	2018	51		2019	
VC	4199	Cantaloupe	0.2		CXL	2006	39		2007	
VS	0624	Celery	1.5		CXL	2018	51		2019	
FS	0013	Cherries (subgroup)	3	(includes all commodities in this subgroup)	CXL	2014	47		2015	
FC	0001	Citrus fruits (group)	2		CXL	2011	45	44	2013	
OR	0001	Citrus oil, edible	10		CXL	2012	45		2013	
SB	0716	Coffee beans	0.3		CXL	2006	39		2007	
VP	0526	Common bean (pods and/or immature seeds)	0.6		CXL	2018	51		2019	
VP	2845	Common beans (succulent seeds)	0.3		CXL	2018	51		2019	
VD	2066	Dry peas (subgroup)	0.3		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.05		CXL	2018	51		2019	
VO	0440	Eggplant	0.3		CXL	2006	39		2007	
PE	0112	Eggs	0.05	(*)	CXL	2004	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.1		CXL	2006	39		2007	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	2011	44		2012	
VA	0381	Garlic	0.15		CXL	2011	44		2012	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	2004	38	37	2006	
FB	0269	Grapes	2		CXL	2004	38	37	2006	
DH	1100	Hops, dry	15		CXL	2006	39		2007	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	1		CXL	2006	39		2007	
VA	0384	Leek	0.7		CXL	2006	39		2007	
VD	0533	Lentil (dry)	0.5		CXL	2004	38	37	2006	
VL	0482	Lettuce, head	40		CXL	2018	51		2019	
GC	0645	Maize	0.02	(*)	CXL	2004	38	37	2006	
MF	0100	Mammalian fats (except milk fats)	0.5		CXL	2018	51		2019	
FI	0345	Mango	0.6		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.5	(fat)	CXL	2018	51		2019	
ML	0106	Milks	0.03		CXL	2018	51		2019	
GC	0647	Oats	1		CXL	2011	44		2012	
SO	0089	Oilseed, except peanut	0.4		CXL	2011	44		2012	
OC	0305	Olive oil, virgin	0.07		CXL	2018	51		2019	
SO	0305	Olives for oil production	0.01		CXL	2018	51		2019	
VA	0385	Onion, bulb	1.5		CXL	2011	44		2012	
FI	0350	Papaya	0.15		CXL	2011	44		2012	
FI	0351	Passion fruit	0.2		CXL	2018	51		2019	
AL	0072	Pea, hay and/or straw	30		CXL	2004	38	37	2006	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.3		CXL	2014	47		2015	
AL	0697	Peanut fodder	50		CXL	2004	38	37	2006	
SO	0703	Peanut, whole	0.02	(*)	CXL	2004	38	37	2006	
VP	2061	Peas with pods (subgroup)	0.3		CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2006	39		2007	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
FI	0353	Pineapple			CXL	2018	51		2019	
TN	0675	Pistachio nuts			CXL	2004	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)		(includes all commodities in this subgroup)	CXL	2014	47		2015	
FP	0009	Pome fruits (group)			CXL	2018	51		2019	
PM	0110	Poultry meat			CXL	2004	38	37	2006	
PO	0111	Poultry, edible offal of			CXL	2004	38	37	2006	
VL	0494	Radish leaves (including radish tops)			CXL	2004	38	37	2006	
FB	0272	Raspberries, red, black			CXL	2011	44		2012	
GC	0649	Rice			CXL	2018	51		2019	
AS	0649	Rice, hay and/or straw			CXL	2018	51		2019	
CM	0649	Rice, husked			CXL	2018	51		2019	
CM	1205	Rice, polished			CXL	2018	51		2019	
VR	2070	Root vegetables (subgroup)		(except sugar beet)	CXL	2019	52		2021	
GC	0650	Rye			CXL	2011	44		2012	
GC	0651	Sorghum grain			CXL	2011	44		2012	
VD	0541	Soya bean (dry)			CXL	2006	39		2007	
GC	4673	Spelt			CXL	2006	39		2007	
VL	0502	Spinach			CXL	2019	52		2021	
VA	0389	Spring onion			CXL	2011	44		2012	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			CXL	2004	38	37	2006	
FB	0275	Strawberry			CXL	2011	44		2012	
VP	2063	Succulent peas without pods (subgroup)			CXL	2018	51		2019	
GS	0659	Sugar cane			CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FT	0305	Table olives			CXL	2018	51			2019
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2018	51			2019
VO	0448	Tomato			CXL	2004	38	37		2006
TN	0085	Tree nuts (group)		(except pistachio nuts)	CXL	2011	44			2012
GC	0653	Triticale			CXL	2011	44			2012
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2018	51			2019
GC	0654	Wheat			CXL	2004	38	37		2006
VL	2832	Witloof chicory (sprouts)			CXL	2018	51			2019

211 Fludioxonil

Main Uses: Fungicide

ADI: 0-0.4 mg/kg bw (2004)

ARfD: Unnecessary (2004)

Residue: For compliance with MRLs and estimation of dietary intake in plant commodities: Fludioxonil.

For compliance with MRLs and estimation of dietary intake in animal commodities: Sum of fludioxonil and metabolites determined as 2,2-difluorobenzo[1,1]dioxole-4-carboxylic acid, expressed as fludioxonil.

Fludioxonil is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2022	54		2023	
OR	0660	Almond oil			CXL	2022	54		2023	
FI	0326	Avocado			CXL	2018	51		2019	
FI	0327	Banana		(Po)	CXL	2022	54		2023	
VP	2060	Beans with pods (subgroup)		(except soya beans (succulent seeds in pods))	CXL	2022	54		2023	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)			CXL	2013	46		2014	
FB	0264	Blackberries			CXL	2004	38	37	2006	
FB	0020	Blueberries			CXL	2018	51		2019	
VB	0400	Broccoli			CXL	2004	38	37	2006	
VA	2031	Bulb onions (subgroup)			CXL	2018	51		2019	
VB	0041	Cabbages, head			CXL	2018	51		2019	
VR	0577	Carrot			CXL	2018	51		2019	
VS	0624	Celery			CXL	2018	51		2019	
GC	0080	Cereal grains (group)		(*)	CXL	2004	38	37	2006	
FC	0001	Citrus fruits (group)		Po	CXL	2010	43		2011	
SO	0691	Cotton seed		(*)	CXL	2004	38	37	2006	
FB	0021	Currants, black, red, white			CXL	2018	51		2019	
FB	0266	Dewberries (including boysenberry and loganberry)			CXL	2004	38	37	2006	
DH	0170	Dried herbs			CXL	2013	46		2014	
VD	2065	Dry beans (subgroup)		(except soya beans)	CXL	2022	54		2023	
VD	2066	Dry peas (subgroup)			CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)			CXL	2022	54		2023	
VO	0440	Eggplant			CXL	2004	38	37	2006	
PE	0112	Eggs			CXL	2018	51		2019	

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	2013	46		2014	
VR 0604	Ginseng	4			CXL	2013	46		2014	
FB 0269	Grapes	2			CXL	2004	38	37	2006	
VA 2032	Green onions (subgroup)	0.8			CXL	2018	51		2019	
FT 0336	Guava	0.5			CXL	2018	51		2019	
HH 0092	Herbs	9			CXL	2013	46		2014	
FI 0341	Kiwifruit	15	Po		CXL	2004	38	37	2006	
VL 0054	Leaves of Brassicaceae (subgroup)	15		(except radish leaves)	CXL	2018	51		2019	
VL 0482	Lettuce, head	10			CXL	2004	38	37	2006	
VL 0483	Lettuce, leaf	40			CXL	2013	46		2014	
MF 0100	Mammalian fats (except milk fats)	0.02			CXL	2022	54		2023	
FI 0345	Mango	7	(Po)		CXL	2022	54		2023	
MM 0095	Meat (from mammals other than marine mammals)	0.02			CXL	2022	54		2023	
ML 0106	Milks	0.07			CXL	2022	54		2023	
FI 0350	Papaya	5	(Po)		CXL	2022	54		2023	
VP 2061	Peas with pods (subgroup)	0.8			CXL	2022	54		2023	
VP 0064	Peas, shelled (succulent seeds)	0.03			CXL	2004	38	37	2006	
VO 0051	Peppers (subgroup)	1		MRL provisionally applies to okra, martynia, and roselle.	CXL	2013	46		2014	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS 0444	Peppers chili, dried	4			CXL	2013	46		2014	
FI 0353	Pineapple	5	Po		CXL	2018	51		2019	
TN 0675	Pistachio nuts	0.2			CXL	2004	38	37	2006	
FP 0009	Pome fruits (group)	5	Po		CXL	2006	39		2007	
FI 0355	Pomegranate	3	Po		CXL	2018	51		2019	
VR 0589	Potato	5	Po		CXL	2013	46		2014	
PF 0111	Poultry fats	0.01	(*)		CXL	2018	51		2019	
PM 0110	Poultry meat	0.01	(*)		CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of	0.1		CXL	2018	51			2019
VR	0494	Radish	0.3		CXL	2013	46			2014
VL	0494	Radish leaves (including radish tops)	20		CXL	2013	46			2014
SO	0495	Rape seed	0.02	(*)	CXL	2004	38	37		2006
FB	0272	Raspberries, red, black	5		CXL	2004	38	37		2006
VD	0541	Soya bean (dry)	0.2		CXL	2018	51			2019
VL	0502	Spinach	30		CXL	2013	46			2014
FS	0012	Stone fruits (group)	5	Po	CXL	2004	38	37		2006
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.06	(*)	CXL	2004	38	37		2006
FB	0275	Strawberry	3		CXL	2004	38	37		2006
VR	0596	Sugar beet	4	(Po)	CXL	2022	54			2023
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	2004	38	37		2006
AS	0447	Sweet corn fodder	20		CXL	2006	39			2007
VR	0508	Sweet potato	10	Po	CXL	2010	43			2011
VO	0448	Tomato	3	Po	CXL	2013	46			2014
TN	0085	Tree nuts (group)	0.3		CXL	2022	54			2023
				(except Canarium nut, Chilean hazelnut and pistachios)						
VL	0473	Watercress	10		CXL	2004	38	37		2006
VR	0600	Yams	10	Po	CXL	2010	43			2011

212 Metalaxyl-M

Main Uses: Fungicide

ADI: 0–0.08 mg/kg bw Applies to metalaxyl and metalaxyl-M (alone or in combination) (2021)

ARfD: 0.5 mg/kg bw (Applies to metalaxyl and metalaxyl-M (alone or in combination)) (2021)

Residue: For metalaxyl and metalaxyl-M for compliance with the MRL for plant commodities: Metalaxyl (sum of enantiomers).

For metalaxyl and metalaxyl-M for dietary risk assessment in plant commodities: Metalaxyl (sum of enantiomers) and N-(2-hydroxymethyl-6- methylphenyl)-N-(methoxyacetyl)alanine methyl ester (M8; free and conjugated; sum of enantiomers), expressed as metalaxyl.

For metalaxyl and metalaxyl-M for compliance with the MRL in animal commodities: Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M3 (N- (2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6- methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.

For metalaxyl and metalaxyl-M for dietary risk assessment in animal commodities: Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M1 (N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine), M3 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester), M6 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine), M7 (N-(2,6-dimethyl- 5- hydroxyphenyl)-N-(methoxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.

The residue is not fat-soluble.

Note: JMPR (2004): No new MRLs are recommended because all MRLs required for metalaxyl-M are covered by existing MRLs for Metalaxyl.

The values listed in the "New" column (see JMPR 2004) are the estimated maximum residue levels for metalaxyl-M and, because they do not exceed the existing metalaxyl MRLs, are not intended to replace them Metalaxyl is a racemic mixture of (R)- and (S)- enantiomers. Metalaxyl-M is the (R)- enantiomer. No MRLs are currently recommended for animal commodities. See Metalaxyl (138) (53:54).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

213 Trifloxystrobin

Main Uses: Fungicide

ADI: 0-0.04 mg/kg bw (2004)

ARfD: Unnecessary (2004)

Residue: For compliance with the MRL for plant commodities: Trifloxystrobin.

For estimation of dietary exposure of plant commodities: Sum of trifloxystrobin and [(E,E)-methoxyimino-{2-[1-(3- trifluoromethylphenyl)ethylideneaminooxymethyl]phenyl}acetic acid] (CGA 321113), expressed as trifloxystrobin.

For compliance with the MRL and estimation of dietary exposure in animal commodities: Sum of trifloxystrobin and [(E,E)-methoxyimino-{2-[1-(3- trifluoromethylphenyl)ethylideneamino-oxymethyl]phenyl}acetic acid] (CGA 321113), expressed as trifloxystrobin.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	3		CXL	04	38	37	2006	
VS	0621	Asparagus	0.05	(*)	CXL	12	45		2013	
FI	0327	Banana	0.05		CXL	04	38	37	2006	
GC	0640	Barley	0.5		CXL	04	38	37	2006	
AS	0640	Barley, hay and/or straw	7		CXL	04	38	37	2006	
VD	0071	Bean (dry)	0.01	(*)	CXL	2015	48		2016	
VP	2060	Beans with pods (subgroup)	0.5		CXL	2021	53		2022	
FB	0261	Bilberry	3		CXL	2021	53		2022	
FB	0263	Bilberry, red	3		CXL	2021	53		2022	
FB	0020	Blueberries	3		CXL	2021	53		2022	
VB	0402	Brussels sprouts	0.1		CXL	04	38	37	2006	
VB	0041	Cabbages, head	1.5		CXL	2017	50		2018	
FB	2005	Cane berries (subgroup)	3		CXL	2021	53		2022	
VR	0577	Carrot	0.1		CXL	04	38	37	2006	
VS	0624	Celery	1		CXL	04	38	37	2006	
FC	0001	Citrus fruits (group)	0.5		CXL	04	38	37	2006	Recommended withdrawal by JMPR (2021). Retained under the 4-year rule, awaiting the evaluation by JMPR. New residue data for citrus fruit would be available in December 2023 (53:85).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AB	0001	Citrus pulp, dried	1		CXL	04	38	37	2006	Recommended withdrawal by JMPR (2021). Retained under the 4-year rule, awaiting the evaluation by JMPR. New residue data for citrus fruit would be available in December 2023 (53:85).
SB	0716	Coffee beans	0.015		CXL	2021	53		2022	
VL	0470	Corn salad	15		CXL	2021	53		2022	
SO	0691	Cotton seed	0.4		CXL	2017	50		2018	
FB	0021	Currants, black, red, white	3		CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)	0.09		CXL	2021	53		2022	
VO	0440	Eggplant	0.7		CXL	12	45		2013	
PE	0112	Eggs	0.04	(*)	CXL	2021	53		2022	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.5		CXL	04	38	37	2006	
VC	0045	Fruiting vegetables, cucurbits (group)	0.3		CXL	04	38	37	2006	
VR	0604	Ginseng	0.03	(*)	CXL	2017	50		2018	
FB	0268	Gooseberry	3		CXL	2021	53		2022	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	04	38	37	2006	
FB	0269	Grapes	3		CXL	04	38	37	2006	
DH	1100	Hops, dry	40		CXL	04	38	37	2006	
VA	0384	Leek	0.7		CXL	04	38	37	2006	
VD	0533	Lentil (dry)	0.01		CXL	2015	48		2016	
VL	0482	Lettuce, head	15		CXL	12	45		2013	
VL	0483	Lettuce, leaf	15		CXL	2021	53		2022	
SO	0693	Linseed	0.4		CXL	2021	53		2022	
GC	0645	Maize	0.02		CXL	04	38	37	2006	
AS	0645	Maize fodder (dry)	10		CXL	04	38	37	2006	
MF	0100	Mammalian fats (except milk fats)	0.07		CXL	2021	53		2022	
MM	0095	Meat (from mammals other than marine mammals)	0.07	(fat)	CXL	2021	53		2022	
ML	0106	Milks	0.02	(*)	CXL	2021	53		2022	
OR	0305	Olive oil, refined	1.2		CXL	12	45		2013	
OC	0305	Olive oil, virgin	0.9		CXL	12	45		2013	
FI	0350	Papaya	0.6		CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut	0.02	(*)	CXL	04	38	37	2006	
AL	0697	Peanut fodder	5		CXL	04	38	37	2006	
VD	0072	Peas (dry)	0.01		CXL	2015	48		2016	
VP	2061	Peas with pods (subgroup)	1.5		CXL	2021	53		2022	
VO	0445	Peppers, sweet (including pimento or pimienta)	0.3		CXL	04	38	37	2006	
FP	0009	Pome fruits (group)	0.7		CXL	04	38	37	2006	
VR	0589	Potato	0.02	(*)	CXL	04	38	37	2006	
PF	0111	Poultry fats	0.04	(*)	CXL	2021	53		2022	
PM	0110	Poultry meat	0.04	(*) (fat)	CXL	2021	53		2022	
PO	0111	Poultry, edible offal of	0.04	(*)	CXL	2021	53		2022	
VR	0494	Radish	0.08		CXL	12	45		2013	
VL	0494	Radish leaves (including radish tops)	15		CXL	12	45		2013	
GC	0649	Rice	5		CXL	04	38	37	2006	
CM	1206	Rice bran, unprocessed	7		CXL	04	38	37	2006	
AS	0649	Rice, hay and/or straw	10		CXL	04	38	37	2006	
FB	0273	Rose hips	3		CXL	2021	53		2022	
VD	0541	Soya bean (dry)	0.05		CXL	2015	48		2016	
VL	0502	Spinach	20		CXL	2017	50		2018	
FS	0012	Stone fruits (group)	3		CXL	04	38	37	2006	
FB	0275	Strawberry	1		CXL	12	45		2013	
VR	0596	Sugar beet	0.05		CXL	04	38	37	2006	
DM	0596	Sugar beet molasses	0.1		CXL	04	38	37	2006	
AB	0596	Sugar beet pulp, dry	0.2		CXL	04	38	37	2006	
FT	0305	Table olives	0.3		CXL	12	45		2013	
VO	0448	Tomato	0.7		CXL	04	38	37	2006	
TN	0085	Tree nuts (group)	0.02	(*)	CXL	04	38	37	2006	
GC	0654	Wheat	0.2		CXL	04	38	37	2006	
CM	0654	Wheat bran, unprocessed	0.5		CXL	04	38	37	2006	
AS	0654	Wheat, hay and/or straw	5		CXL	04	38	37	2006	

214 Dimethenamid-P

Main Uses: Herbicide

ADI: 0-0.07 mg/kg bw The ADI and the ARfD apply to dimethenamid-P and the racemic dimethenamid (JMPR 2005).

ARfD: 0.5 mg/kg bw (2005)

Residue: For compliance with MRLs and for estimation of dietary intake: Dimethenamid-P and its enantiomer. This definition applies to both plant and animal commodities.
The residue definition could apply to residues arising from the use of either dimethenamid-P or dimethanamid.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071	Bean (dry)	0.01	(*)	CXL	05	38		2006	
AL	0061	Bean, hay and/or straw	0.01	(*)	CXL	05	38		2006	
VR	0574	Beetroot	0.01	(*)	CXL	05	38		2006	
PE	0112	Eggs	0.01	(*)	CXL	05	38		2006	
AM	1051	Fodder beet	0.01	(*)	CXL	05	38		2006	
VA	0381	Garlic	0.01	(*)	CXL	05	38		2006	
GC	0645	Maize	0.01	(*)	CXL	05	38		2006	
AS	0645	Maize fodder (dry)	0.01	(*)	CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	05	38		2006	
ML	0106	Milks	0.01	(*)	CXL	05	38		2006	
VA	0385	Onion, bulb	0.01	(*)	CXL	05	38		2006	
SO	0697	Peanut	0.01	(*)	CXL	05	38		2006	
AL	0697	Peanut fodder	0.01	(*)	CXL	05	38		2006	
VR	0589	Potato	0.01	(*)	CXL	05	38		2006	
PM	0110	Poultry meat	0.01	(*)	CXL	05	38		2006	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	05	38		2006	
VA	0388	Shallot	0.01	(*)	CXL	05	38		2006	
GC	0651	Sorghum grain	0.01	(*)	CXL	05	38		2006	
AS	0651	Sorghum straw and fodder, dry	0.01	(*)	CXL	05	38		2006	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	05	38		2006	
VR	0596	Sugar beet	0.01	(*)	CXL	05	38		2006	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	05	38		2006	
VR	0508	Sweet potato	0.01	(*)	CXL	05	38		2006	

215 Fenhexamid

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2005)

ARfD: Unnecessary (2005)

Residue: For compliance with MRLs and for estimation of dietary intake in plant and animal commodities: Fenhexamid.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	2		CXL	05	38		2006	
TN	0660	Almonds	0.02	(*)	CXL	05	38		2006	
FS	0240	Apricot	10		CXL	05	38		2006	
VS	0621	Asparagus	0.02		CXL	2021	53		2022	
FB	0261	Bilberry	5		CXL	05	38		2006	
FB	0264	Blackberries	15		CXL	05	38		2006	
FB	0020	Blueberries	5		CXL	05	38		2006	
VA	2031	Bulb onions (subgroup)	3		CXL	2021	53		2022	
FS	0013	Cherries (subgroup)	7		CXL	05	38		2006	
VC	0424	Cucumber	1		CXL	05	38		2006	
FB	0021	Currants, black, red, white	5		CXL	05	38		2006	
FB	0266	Dewberries (including boysenberry and loganberry)	15		CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	05	38		2006	
VO	0440	Eggplant	2		CXL	05	38		2006	
FB	0267	Elderberries	5		CXL	05	38		2006	
VC	0425	Gherkin	1		CXL	05	38		2006	
FB	0268	Gooseberry	5		CXL	05	38		2006	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	25		CXL	05	38		2006	
FB	0269	Grapes	15		CXL	05	38		2006	
FB	0270	Juneberries	5		CXL	05	38		2006	
FI	0341	Kiwifruit	15		CXL	05	38		2006	
VL	0482	Lettuce, head	30		CXL	05	38		2006	
VL	0483	Lettuce, leaf	30		CXL	05	38		2006	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*) (fat)	CXL	05	38		2006	
ML	0106	Milks	0.01	(*) F	CXL	05	38		2006	
FS	0245	Nectarine	10		CXL	05	38		2006	
FS	0247	Peach	10		CXL	05	38		2006	
FP	0230	Pear	6	Po	CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	05	38		2006	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	05	38		2006	
FB	0272	Raspberries, red, black			CXL	05	38		2006	
VC	0431	Squash, summer			CXL	05	38		2006	
FB	0275	Strawberry			CXL	05	38		2006	
VO	0448	Tomato			CXL	05	38		2006	

216 Indoxacarb

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (2005)

ARfD: 0.1 mg/kg bw (2005)

Residue: For compliance with the MRL for all commodities and for estimation of dietary intake for plant commodities: Sum of indoxacarb and its R enantiomer.

For estimation of dietary intake for animal commodities: Sum of indoxacarb, its R enantiomer and methyl 7-chloro-2,5-dihydro-2-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylate, expressed as indoxacarb.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	60		CXL	2005	38		2006	
AM	0660	Almond hulls	9	(dw)	CXL	2022	54		2023	
FP	0226	Apple	0.5		CXL	2005	38		2006	
VP	2060	Beans with pods (subgroup)	0.9	(except soya bean)	CXL	2022	54		2023	
VR	0574	Beetroot	0.5		CXL	2022	54		2023	
VB	0400	Broccoli	0.2		CXL	2005	38		2006	
FB	2006	Bush berries (subgroup)	2		CXL	2022	54		2023	
VB	0041	Cabbages, head	3		CXL	2005,2007	40	38,39	2008	
VB	0404	Cauliflower	0.2		CXL	2005	38		2006	
VD	0524	Chick-pea (dry)	0.2		CXL	2005	38		2006	
AM	0691	Cotton fodder, dry	20		CXL	2005	38		2006	
SO	0691	Cotton seed	1		CXL	2005	38		2006	
VD	0527	Cowpea (dry)	0.1		CXL	2009	42		2010	
FB	0265	Cranberry	1		CXL	2009	42		2010	
VD	2065	Dry beans (subgroup)	0.09	(except cowpea, mung bean, and soya bean)	CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.05		CXL	2022	54		2023	
VO	0440	Eggplant	0.5		CXL	2005	38		2006	
PE	0112	Eggs	0.02		CXL	2009	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	2009	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	2005	38		2006	
FB	0269	Grapes	2		CXL	2005	38		2006	
VL	0482	Lettuce, head	7		CXL	2005	38		2006	
VL	0483	Lettuce, leaf	3		CXL	2012	45		2013	
GC	2091	Maize cereals (subgroup)	0.015		CXL	2022	54		2023	
AS	3558	Maize, stover	25	(dw)	CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)	2		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)	CXL	2022	54		2023	
FM	0183	Milk fats	6		CXL	2022	54		2023	
ML	0106	Milks	0.2		CXL	2022	54		2023	
HH	0738	Mints	15		CXL	2009	42		2010	
VD	0536	Mung bean (dry)	0.2		CXL	2005	38		2006	
SO	0697	Peanut	0.02	(*)	CXL	2005	38		2006	
AL	0697	Peanut fodder	50		CXL	2005	38		2006	
FP	0230	Pear	0.2		CXL	2005	38		2006	
VO	0051	Peppers (subgroup)	0.3		CXL	2005	38		2006	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
VR	0589	Potato	0.02		CXL	2005	38		2006	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	2009	42		2010	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2009	42		2010	
DF	0014	Prunes	3		CXL	2009	42		2010	
VD	0541	Soya bean (dry)	0.5		CXL	2005	38		2006	
FS	0012	Stone fruits (group)	1		CXL	2009	42		2010	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	2005	38		2006	
DT	1114	Tea, green, black (black, fermented and dried)	5		CXL	2013	46		2014	
VO	0448	Tomato	0.5		CXL	2005	38		2006	
TN	0085	Tree nuts (group)	0.07		CXL	2022	54		2023	

217 Novaluron

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (2005)

ARfD: Unnecessary (2005)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Novaluron.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071	Bean (dry)	0.1		CXL	10	43		2011	
FB	0020	Blueberries	7		CXL	10	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.7		CXL	10	43		2011	
VL	0464	Chard	15		CXL	10	43		2011	
VP	0526	Common bean (pods and/or immature seeds)	0.7		CXL	10	43		2011	
SO	0691	Cotton seed	0.5		CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.7		CXL	10	43		2011	
PE	0112	Eggs	0.1		CXL	10	43		2011	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	10	43		2011	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.7	(except sweet corn)	CXL	10	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	10	(fat)	CXL	10	43		2011	
FM	0183	Milk fats	7		CXL	10	43		2011	
ML	0106	Milks	0.4		CXL	10	43		2011	
VL	0485	Mustard greens	25		CXL	10	43		2011	
FP	0009	Pome fruits (group)	3		CXL	05	38		2006	
VR	0589	Potato	0.01	(*)	CXL	05	38		2006	
PM	0110	Poultry meat	0.5	(fat)	CXL	10	43		2011	
PO	0111	Poultry, edible offal of	0.1		CXL	10	43		2011	
DF	0014	Prunes	3		CXL	10	43		2011	
VP	0541	Soya bean (immature seeds)	0.01	(*)	CXL	05	38		2006	
FS	0012	Stone fruits (group)	7		CXL	10	43		2011	
FB	0275	Strawberry	0.5		CXL	10	43		2011	
GS	0659	Sugar cane	0.5		CXL	10	43		2011	
AS	0447	Sweet corn fodder	40		CXL	05	38		2006	

218 Sulfuryl fluoride

Main Uses: Fumigant

ADI: 0-0.01 mg/kg bw (2005)

ARfD: 0.3 mg/kg bw (2005)

Residue: For compliance with MRLs in plant commodities: Sulfuryl fluoride.

For the estimation of dietary intake from plant commodities: Sulfuryl fluoride and fluoride ion, measured separately.

Note: Residues resulting from sulfuryl fluoride fumigation of foodstuffs are primarily fluoride.

The dietary risk assessment for fluoride from fumigant use needs to be considered in light of the overall exposure to fluoride from other sources.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CM	0081	Bran, unprocessed of cereal grain (except buckwheat, cañihua and quinoa)	0.1	Po						
					CXL	05	38		2006	
CF	0081	Cereal bran, processed	0.1	Po						
					CXL	05	38		2006	
GC	0080	Cereal grains (group)	0.05	Po						
					CXL	05	38		2006	
DF	0167	Dried fruits	0.06	Po						
					CXL	05	38		2006	
CF	1255	Maize flour	0.1	Po						
					CXL	05	38		2006	
CF	0645	Maize meal	0.1	Po						
					CXL	05	38		2006	
CM	0649	Rice, husked	0.1	Po						
					CXL	05	38		2006	
CM	1205	Rice, polished	0.1	Po						
					CXL	05	38		2006	
CF	1250	Rye flour	0.1	Po						
					CXL	05	38		2006	
CF	1251	Rye wholemeal	0.1	Po						
					CXL	05	38		2006	
TN	0085	Tree nuts (group)	3	Po						
					CXL	05	38		2006	
CF	1211	Wheat flour	0.1	Po						
					CXL	05	38		2006	
CF	1210	Wheat germ	0.1	Po						
					CXL	05	38		2006	
CF	1212	Wheat wholemeal	0.1	Po						
					CXL	05	38		2006	

219 Bifenazate

Main Uses: Acaricide

ADI: 0-0.01 mg/kg bw (2006)

ARfD: Unnecessary (2006)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Sum of bifenazate and bifenazatediazene (diazencarboxylic acid, 2-(4-methoxy-[1,1'-biphenyl-3-yl] 1-methylethyl ester), expressed as bifenazate.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	10		CXL	06	39		2007	
VD	0071	Bean (dry)	0.3		CXL	10	43		2011	
FB	0264	Blackberries	7		CXL	10	43		2011	
SO	0691	Cotton seed	0.3		CXL	06	39		2007	
FB	0266	Dewberries (including boysenberry and loganberry)	7		CXL	10	43		2011	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	06	39		2007	
PE	0112	Eggs	0.01	(*)	CXL	06	39		2007	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	06	39		2007	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	06	39		2007	
FB	0269	Grapes	0.7		CXL	06	39		2007	
DH	1100	Hops, dry	20		CXL	06	39		2007	
VP	0060	Legume vegetables (group)	7		CXL	10	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	CXL	06,07	40	39	2008	
FM	0183	Milk fats	0.05		CXL	06	39		2007	
ML	0106	Milks	0.01	(*)	CXL	06	39		2007	
HH	0738	Mints	40		CXL	06	39		2007	
VO	0444	Peppers chili	3		CXL	06	39		2007	
VO	0445	Peppers, sweet (including pimento or pimienta)	2		CXL	06	39		2007	
FP	0009	Pome fruits (group)	0.7		CXL	06	39		2007	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	06	39		2007	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	06	39		2007	
FB	0272	Raspberries, red, black	7		CXL	10	43		2011	
FS	0012	Stone fruits (group)	2		CXL	06	39		2007	
FB	0275	Strawberry	2		CXL	06	39		2007	
VO	0448	Tomato	0.5		CXL	06	39		2007	
TN	0085	Tree nuts (group)	0.2		CXL	06	39		2007	

220 Aminopyralid

Main Uses: Herbicide

ADI: 0-0.9 mg/kg bw (2007)

ARfD: Unnecessary (2007)

Residue: For compliance with the MRL and for estimation of dietary intake: Aminopyralid and its conjugates that can be hydrolysed, expressed as aminopyralid.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	07	40		2008	
MO	0105	Edible offal (mammalian)		(except kidney)	CXL	07	40		2008	
PE	0112	Eggs			CXL	07	40		2008	
AS	0164	Fodder (dry) of cereal grains			CXL	07	40		2008	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			CXL	07	40		2008	
MO	0098	Kidney of cattle, goats, pigs and sheep			CXL	07	40		2008	
MM	0095	Meat (from mammals other than marine mammals)			CXL	07	40		2008	
ML	0106	Milks			CXL	07	40		2008	
GC	0647	Oats			CXL	07	40		2008	
PM	0110	Poultry meat			CXL	07	40		2008	
PO	0111	Poultry, edible offal of			CXL	07	40		2008	
AS	0163	Straw of cereal grains			CXL	07	40		2008	
GC	0653	Triticale			CXL	07	40		2008	
GC	0654	Wheat			CXL	07	40		2008	
CM	0654	Wheat bran, unprocessed			CXL	07	40		2008	

221 Boscalid

Main Uses: Fungicide

ADI: 0-0.04 mg/kg bw (2006)

ARfD: Unnecessary (2006)

Residue: For compliance with the MRL for plant and animal commodities and for estimation of dietary intake for plant commodities: Boscalid.

For estimation of dietary intake) for animal commodities: Sum of boscalid, 2-chloro-N-(4'-chloro-5-hydroxybiphenyl-2-yl)nicotinamide including its conjugate, expressed as boscalid.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2009	42		2010	
FI	0327	Banana			CXL	2008	42	41	2010	
GC	0640	Barley			CXL	2009	42		2010	
AS	0640	Barley, hay and/or straw	(dw)		CXL	2009	42		2010	
FB	0018	Berries and other small fruits		(except strawberry and grapes)	CXL	2009	42		2010	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2009	42		2010	
VA	0035	Bulb vegetables (group)			CXL	2009	42		2010	
GC	0080	Cereal grains (group)		(except barley, oats, rye and wheat)	CXL	2009	42		2010	
FS	0013	Cherries (subgroup)			CXL	2019	52		2021	
FC	0001	Citrus fruits (group)			CXL	2010	43		2011	
OR	0001	Citrus oil, edible			CXL	2010	43		2011	
AB	0001	Citrus pulp, dried			CXL	2010	43		2011	
SB	0716	Coffee beans			CXL	2009	42		2010	
MO	0105	Edible offal (mammalian)			CXL	2009	42		2010	
PE	0112	Eggs			CXL	2009	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2009	42		2010	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except fungi, mushroom and sweet corn)	CXL	2009	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2009	42		2010	
FB	0269	Grapes			CXL	2009	42		2010	
DH	1100	Hops, dry			CXL	2010	43		2011	
FI	0341	Kiwifruit			CXL	2009	42		2010	
VL	0053	Leafy vegetables (group)			CXL	2010	43		2011	

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VP 0060	Legume vegetables (group)	3			CXL	2009	42		2010	
FI 0345	Mango	2			CXL	2019	52		2021	
MM 0095	Meat (from mammals other than marine mammals)	0.7	(fat)		CXL	2009	42		2010	
FM 0183	Milk fats	2			CXL	2009	42		2010	
ML 0106	Milks	0.1			CXL	2009	42		2010	
AS 0647	Oat straw and fodder, dry	50	(dw)		CXL	2009	42		2010	
GC 0647	Oats	0.5			CXL	2009	42		2010	
SO 0088	Oilseeds and oilfruits (group)	1			CXL	2009	42		2010	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	4			CXL	2019	52		2021	
HS 0444	Peppers chili, dried	10			CXL	2009	42		2010	
TN 0675	Pistachio nuts	1			CXL	2009	42		2010	
FS 0014	Plums (including fresh prunes) (subgroup)	1.5			CXL	2019	52		2021	
FP 0009	Pome fruits (group)	2			CXL	2019	52		2021	
FI 0355	Pomegranate	2			3	2023	55			
PF 0111	Poultry fats	0.02			CXL	2009	42		2010	
PM 0110	Poultry meat	0.02			CXL	2009	42		2010	
PO 0111	Poultry, edible offal of	0.02			CXL	2009	42		2010	
DF 0014	Prunes	5			CXL	2019	52		2021	
VD 0070	Pulses (group)	3			CXL	2009	42		2010	
VR 0075	Root and tuber vegetables (group)	2			CXL	2009	42		2010	
GC 0650	Rye	0.5			CXL	2009	42		2010	
AS 0650	Rye straw and fodder, dry	50	(dw)		CXL	2009	42		2010	
VS 0078	Stalk and stem vegetables	30			CXL	2010	43		2011	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5	(dw)	(except straw and fodder of barley, oats, rye and wheat)	CXL	2009	42		2010	
FB 0275	Strawberry	3			CXL	2009	42		2010	
DT 1114	Tea, green, black (black, fermented and dried)	40			CXL	2019	52		2021	
TN 0085	Tree nuts (group)	0.05	(*)	(except pistachio)	CXL	2009	42		2010	
GC 0654	Wheat	0.5			CXL	2009	42		2010	
AS 0654	Wheat, hay and/or straw	50	(dw)		CXL	2009	42		2010	

222 Quinoxyfen

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2006)

ARfD: Unnecessary (2006)

Residue: For compliance with MRLs and estimation of dietary intake: Quinoxyfen.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	0.01	(*)	CXL	06	39		2007	
FS	0013	Cherries (subgroup)	0.5		CXL	2021	53		2022	
FB	0278	Currant, black	1		CXL	06	39		2007	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	06	39		2007	
PE	0112	Eggs	0.01	(*)	CXL	06	39		2007	
FB	0269	Grapes	2		CXL	06	39		2007	
DH	1100	Hops, dry	1		CXL	06	39		2007	
VL	0482	Lettuce, head	8		CXL	06	39		2007	
VL	0483	Lettuce, leaf	20		CXL	06	39		2007	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL	07	40	39	2008	
VC	0046	Melons, except watermelon	0.1		CXL	06	39		2007	
FM	0183	Milk fats	0.2		CXL	06	39		2007	
ML	0106	Milks	0.01		CXL	06	39		2007	
VO	0051	Peppers (subgroup)	1		CXL	06	39		2007	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	10		CXL	06	39		2007	
PM	0110	Poultry meat	0.02	(fat)	CXL	06	39		2007	
PO	0111	Poultry, edible offal of	0.01		CXL	06	39		2007	
FB	0275	Strawberry	1		CXL	06	39		2007	
VR	0596	Sugar beet	0.03		CXL	06	39		2007	
GC	0654	Wheat	0.01	(*)	CXL	06	39		2007	

223 Thiacloprid

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (2006)

ARfD: 0.03 mg/kg bw (2006)

Residue: For compliance with MRLs and estimation of dietary intake in plant and animal commodities: Thiacloprid.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	10		CXL	06	39		2007	
FB	0018	Berries and other small fruits	1		CXL	06	39		2007	
SO	0691	Cotton seed	0.02	(*)	CXL	06	39		2007	
VC	0424	Cucumber	0.3		CXL	06	39		2007	
MO	0105	Edible offal (mammalian)	0.5		CXL	06	39		2007	
VO	0440	Eggplant	0.7		CXL	06	39		2007	
PE	0112	Eggs	0.02	(*)	CXL	06	39		2007	
FI	0341	Kiwifruit	0.2		CXL	06	39		2007	
MM	0095	Meat (from mammals other than marine mammals)	0.1		CXL	06	39		2007	
VC	0046	Melons, except watermelon	0.2		CXL	06	39		2007	
ML	0106	Milks	0.05		CXL	06	39		2007	
SO	0485	Mustard seed	0.5		CXL	06	39		2007	
VO	0445	Peppers, sweet (including pimento or pimiento)	1		CXL	06	39		2007	
FP	0009	Pome fruits (group)	0.7		CXL	06	39		2007	
VR	0589	Potato	0.02	(*)	CXL	06	39		2007	
PM	0110	Poultry meat	0.02	(*)	CXL	06	39		2007	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	06	39		2007	
SO	0495	Rape seed	0.5		CXL	06	39		2007	
GC	0649	Rice	0.02	(*)	CXL	06	39		2007	
VC	0431	Squash, summer	0.3		CXL	06	39		2007	
FS	0012	Stone fruits (group)	0.5		CXL	06	39		2007	
VO	0448	Tomato	0.5		CXL	06	39		2007	
TN	0085	Tree nuts (group)	0.02		CXL	06	39		2007	
VC	0432	Watermelon	0.2		CXL	06	39		2007	
GC	0654	Wheat	0.1		CXL	06	39		2007	
AS	0654	Wheat, hay and/or straw	5		CXL	06	39		2007	
VC	0433	Winter squash	0.2		CXL	06	39		2007	

224 Difenoconazole

Main Uses: Fungicide

ADI: 0-0.01 mg/kg bw (2007)

ARfD: 0.3 mg/kg bw (2007)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Difenoconazole.

For compliance with the MRL and for estimation of dietary exposure for animal commodities: Sum of difenoconazole and 1-[2-chloro-4-(4-chloro-phenoxy)-phenyl]-2-(1,2,4-triazol)-1-yl-ethanol), expressed as difenoconazole.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe			CXL	2017	50		2018	
VS	0621	Asparagus			CXL	2007	40		2008	
FI	0326	Avocado			CXL	2015	48		2016	
FI	0327	Banana			CXL	2007	40		2008	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)			CXL	2010	43		2011	
FB	0020	Blueberries			CXL	2017	50		2018	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2013	46		2014	
FB	2005	Cane berries (subgroup)			3	2023	55			
VR	0577	Carrot			CXL	2007	40		2008	
VR	0578	Celeriac			CXL	2007	40		2008	
VS	0624	Celery			CXL	2007	40		2008	
FS	0013	Cherries (subgroup)			CXL	2007	40		2008	
FC	0001	Citrus fruits (group)			CXL	2013	46		2014	
SB	0716	Coffee beans		(*)	CXL	2017	50		2018	
SO	0691	Cotton seed			CXL	2021	53		2022	
FB	0265	Cranberry			CXL	2021	53		2022	
VC	0424	Cucumber			CXL	2013	46		2014	
VD	2065	Dry beans (subgroup)		(except soya bean)	CXL	2017	50		2018	
VD	2066	Dry peas (subgroup)			CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			CXL	2013	46		2014	
PE	0112	Eggs			CXL	2013	46		2014	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except goji berry and chili pepper)	CXL	2022	54		2023	
VA	0381	Garlic		(*)	CXL	2007	40		2008	
VC	0425	Gherkin			CXL	2013	46		2014	
DV	0784	Ginger rhizome, dried			CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0784	Ginger, rhizome			CXL	2022	54		2023	
VR	0604	Ginseng			CXL	2013	46		2014	
DV	0604	Ginseng, dried including red ginseng			CXL	2017	50		2018	
DM	0604	Ginseng, extracts			CXL	2013	46		2014	
VO	2704	Goji berry			CXL	2022	54		2023	
DV	2704	Goji berry, dried			CXL	2022	54		2023	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2013	46		2014	
FB	0269	Grapes			CXL	2013	46		2014	
FT	0336	Guava			CXL	2021	53		2022	
VA	0384	Leek			CXL	2007	40		2008	
VL	0482	Lettuce, head			CXL	2007	40		2008	
VL	0483	Lettuce, leaf			CXL	2007	40		2008	
GC	2091	Maize cereals (subgroup)			3	2023	55			
CF	1255	Maize flour			3	2023	55			
CF	3517	Maize gluten			3	2023	55			Value not relevant for IEDI assessment calculations.
OC	0645	Maize oil, crude			3	2023	55			
AS	3557	Maize, hay and/or straw	(dw)		3	2023	55			Value not relevant for IEDI assessment calculations.
FI	0345	Mango			CXL	2007	40		2008	
MM	0095	Meat (from mammals other than marine mammals)	(fat)		CXL	2013	46		2014	
VC	0046	Melons, except watermelon			CXL	2013	46		2014	
ML	0106	Milks			CXL	2013	46		2014	
VL	0485	Mustard greens			3	2023	55			
FS	0245	Nectarine			CXL	2007	40		2008	
VA	0385	Onion, bulb			CXL	2013	46		2014	
FI	0350	Papaya			CXL	2007	40		2008	
FI	0351	Passion fruit			CXL	2010	43		2011	
FS	0247	Peach			CXL	2007	40		2008	
SO	0697	Peanut	(*)		CXL	2015	48		2016	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2010	43		2011	
VO	0444	Peppers chili			CXL	2017	50		2018	
HS	0444	Peppers chili, dried			CXL	2017	50		2018	
FI	2540	Pitaya			CXL	2017	50		2018	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2007	40		2008	
FS	0014	Plums (including fresh prunes) (subgroup)			3	2023	55			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0009	Pome fruits (group)	4	Po	CXL	2017	50		2018	
VR	0589	Potato	4	Po	CXL	2013	46		2014	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	2007	40		2008	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2007	40		2008	
VR	2952	Pseudoginseng	0.02		CXL	2022	54		2023	
DV	2952	Pseudoginseng, dried	0.07		CXL	2022	54		2023	
VR	0494	Radish	0.7		3	2023	55			
VL	0494	Radish leaves (including radish tops)	8		3	2023	55			
SO	0495	Rape seed	0.15		CXL	2015	48		2016	
GC	0649	Rice	8		CXL	2017	50		2018	
AS	0649	Rice, hay and/or straw	17	(dw)	CXL	2017	50		2018	
CM	1205	Rice, polished	0.07		CXL	2017	50		2018	
VD	0541	Soya bean (dry)	0.1		CXL	2015	48		2016	
VA	0389	Spring onion	9		CXL	2013	46		2014	
VC	0431	Squash, summer	0.2		CXL	2013	46		2014	
FS	0012	Stone fruits (group)	1.5		3	2023	55			
FB	0275	Strawberry	2		CXL	2017	50		2018	
VR	0596	Sugar beet	0.2		CXL	2007	40		2008	
SO	0702	Sunflower seed	0.02		CXL	2007	40		2008	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2017	50		2018	
AS	0447	Sweet corn fodder	0.01	(*) (dw)	CXL	2017	50		2018	
VR	0508	Sweet potato	4		3	2023	55			
FT	0305	Table olives	2		CXL	2007	40		2008	
DT	1114	Tea, green, black (black, fermented and dried)	20		CXL	2022	54		2023	
TN	0085	Tree nuts (group)	0.03		CXL	2010	43		2011	
VC	0432	Watermelon	0.02		CXL	2017	50		2018	
GC	0654	Wheat	0.02	(*)	CXL	2007	40		2008	
AS	0654	Wheat, hay and/or straw	3		CXL	2007	40		2008	

225 Dimethomorph

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2007)

ARfD: 0.6 mg/kg bw (2007)

Residue: For compliance with the MRL and estimation of dietary intake for plant and animal commodities: Dimethomorph (sum of isomers).

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	2		CXL	2014	47		2015	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.7		CXL	2014	47		2015	
VB	0400	Broccoli	4		CXL	2014	47		2015	
VB	0041	Cabbages, head	6		CXL	2014	47		2015	
VS	0624	Celery	15		CXL	2014	47		2015	
VL	0470	Corn salad	10		CXL	07	40		2008	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	07	40		2008	
PE	0112	Eggs	0.01	(*)	CXL	07	40		2008	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	07	40		2008	
VO	0050	Fruiting vegetables, other than cucurbits (group)	1.5		CXL	2014	47		2015	
VA	0381	Garlic	0.6		CXL	2014	47		2015	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	2014	47		2015	
FB	0269	Grapes	3		CXL	2014	47		2015	
DH	1100	Hops, dry	80		CXL	07	40		2008	
VB	0405	Kohlrabi	0.02		CXL	07	40		2008	
VA	0384	Leek	0.8		CXL	2014	47		2015	
VL	0482	Lettuce, head	10		CXL	07	40		2008	
VL	0483	Lettuce, leaf	9		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	07	40		2008	
ML	0106	Milks	0.01	(*)	CXL	07	40		2008	
VA	0385	Onion, bulb	0.6		CXL	2014	47		2015	
VA	0387	Onion, Welsh	9		CXL	2014	47		2015	
VP	0064	Peas, shelled (succulent seeds)	0.15		CXL	2014	47		2015	
HS	0444	Peppers chili, dried	5		CXL	07	40		2008	
FI	0353	Pineapple	0.01	(*)	CXL	07	40		2008	
VR	0589	Potato	0.05		CXL	07	40		2008	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PM	0110	Poultry meat	0.01	(*)	CXL	07	40		2008	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	07	40		2008	
VA	0388	Shallot	0.6		CXL	2014	47		2015	
VL	0502	Spinach	30		CXL	2014	47		2015	
VA	0389	Spring onion	9		CXL	2014	47		2015	
FB	0275	Strawberry	0.5		CXL	2014	47		2015	
VL	0505	Taro leaves	10		CXL	2014	47		2015	

226 Pyrimethanil

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2007)

ARfD: Unnecessary (2007)

Residue: For compliance with MRL and dietary intake for plant commodities: Pyrimethanil.

For compliance with the MRL and for dietary intake estimation for milk: Sum of pyrimethanil and 2-anilino-4,6-dimethylpyrimidin-5-ol, expressed as pyrimethanil.

For compliance with the MRL and for dietary intake estimation) for livestock tissues (excluding poultry): Sum of pyrimethanil and 2-(4-hydroxyanilino)-4,6-dimethylpyrimidine, expressed as pyrimethanil.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	12			CXL	07	40		2008	
TN	0660 Almonds	0.2			CXL	07	40		2008	
FS	0240 Apricot	3			CXL	07	40		2008	
FI	0327 Banana	0.1			CXL	07	40		2008	
FB	0264 Blackberries	15			CXL	2015	48		2016	
FB	0020 Blueberries	8			CXL	2015	48		2016	
VR	0577 Carrot	1			CXL	07	40		2008	
FS	0013 Cherries (subgroup)	4	Po		CXL	07	40		2008	
FC	0001 Citrus fruits (group)	7	Po		CXL	07	40		2008	
VP	0526 Common bean (pods and/or immature seeds)	3			CXL	07	40		2008	
VC	0424 Cucumber	0.7			CXL	2015	48		2016	
MO	0105 Edible offal (mammalian)	0.1			CXL	07	40		2008	
VD	0561 Field pea (dry)	0.5			CXL	07	40		2008	
DV	0604 Ginseng, dried including red ginseng	1.5			CXL	2013	46		2014	
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	5			CXL	07	40		2008	
FB	0269 Grapes	4			CXL	07	40		2008	
VL	0482 Lettuce, head	3			CXL	07	40		2008	
FB	2009 Low growing berries (subgroup)	3			CXL	2013	46		2014	
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)		CXL	07	40		2008	
ML	0106 Milks	0.01			CXL	07	40		2008	
FS	0245 Nectarine	4			CXL	07	40		2008	
VA	0385 Onion, bulb	0.2			CXL	07	40		2008	
AL	0072 Pea, hay and/or straw	3			CXL	07	40		2008	
FS	0247 Peach	4			CXL	07	40		2008	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0014	Plums (including fresh prunes) (subgroup)	2		CXL	07	40		2008	
FP	0009	Pome fruits (group)	15	Po	CXL	2013	46		2014	
VR	0589	Potato	0.05	(*)	CXL	07	40		2008	
FB	0272	Raspberries, red, black	15		CXL	2015	48		2016	
VA	0389	Spring onion	3		CXL	07	40		2008	
AS	0447	Sweet corn fodder	40		CXL	07	40		2008	
VO	0448	Tomato	0.7		CXL	07	40		2008	

227 Zoxamide

Main Uses: Fungicide

ADI: 0-0.5 mg/kg bw (2007)

ARfD: Unnecessary (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Zoxamide.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0045	Fruiting vegetables, cucurbits (group)	2		CXL	09	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	15		CXL	07	40		2008	
FB	0269	Grapes	5		CXL	07	40		2008	
VR	0589	Potato	0.02		CXL	07	40		2008	
VO	0448	Tomato	2		CXL	07	40		2008	

229 Azoxystrobin

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2008)

ARfD: Unnecessary (2008)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Azoxystrobin.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2008	41		2009	
VS	0620	Artichoke, globe			CXL	2008	41		2009	
VS	0621	Asparagus			CXL	2008	41		2009	
FI	0327	Banana			CXL	2008	41		2009	
GC	0640	Barley			CXL	2013	46		2014	
FB	0018	Berries and other small fruits		(except cranberry, grapes and strawberry)	CXL	2008	41		2009	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2008	41		2009	
VA	0035	Bulb vegetables (group)			CXL	2008	41		2009	
FT	0289	Carambola			CXL	2012	45		2013	
VS	0624	Celery			CXL	2008	41		2009	
FC	0001	Citrus fruits (group)			CXL	2008	41		2009	
SB	0716	Coffee beans			CXL	2013	46		2014	
SO	0691	Cotton seed			CXL	2008	41		2009	
FB	0265	Cranberry			CXL	2008	41		2009	
DH	0170	Dried herbs		(except hops (dry))	CXL	2008	41		2009	
MO	0105	Edible offal (mammalian)			CXL	2008	41		2009	
PE	0112	Eggs			CXL	2008	41		2009	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2008	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except mushrooms and sweet corn)	CXL	2008	41		2009	
VR	0604	Ginseng			CXL	2011	44		2012	
DV	0604	Ginseng, dried including red ginseng			CXL	2011, 2012	45	44	2013	
DM	0604	Ginseng, extracts			CXL	2011, 2012	45	44	2013	
FB	0269	Grapes			CXL	2008	41		2009	
FT	0336	Guava			CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HH	0092	Herbs			CXL	2008	41		2009	
DH	1100	Hops, dry			CXL	2008	41		2009	
VP	0060	Legume vegetables (group)			CXL	2008	41		2009	
VL	0482	Lettuce, head			CXL	2008	41		2009	
VL	0483	Lettuce, leaf			CXL	2008	41		2009	
GC	0645	Maize			CXL	2008	41		2009	
AS	0645	Maize fodder (dry)	40	(dw)	CXL	2008	41			
OR	0645	Maize oil, edible	0.1		CXL	2008	41		2009	
FI	0345	Mango	4	(Po)	CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	CXL	2008	41		2009	
FM	0183	Milk fats	0.03		CXL	2008	41		2009	
ML	0106	Milks	0.01		CXL	2008	41		2009	
GC	0647	Oats	1.5		CXL	2013	46		2014	
FI	0350	Papaya	4	(Po)	CXL	2022	54		2023	
AL	0072	Pea, hay and/or straw	20	(dw)	CXL	2013	46		2014	
SO	0697	Peanut	0.2		CXL	2008	41		2009	
AL	0697	Peanut fodder	30		CXL	2008	41		2009	
HS	0444	Peppers chili, dried	30		CXL	2008	41		2009	
TN	0675	Pistachio nuts	1		CXL	2008	41		2009	
FI	2540	Pitaya	0.3		CXL	2017	50		2018	
FI	0354	Plantain	2		CXL	2008	41		2009	
VR	0589	Potato	7	Po	CXL	2013	46		2014	
PM	0110	Poultry meat	0.01	(*)	CXL	2008	41		2009	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2008	41		2009	
VD	0070	Pulses (group)	0.07		CXL	2013	46		2014	
				(except soya beans)						
SO	0495	Rape seed	0.5		CXL	2017	50		2018	
GC	0649	Rice	5		CXL	2008	41		2009	
VR	0075	Root and tuber vegetables (group)	1		CXL	2022	54		2023	
				(except potato and sugar beet)						
GC	0650	Rye	0.2		CXL	2008	41		2009	
GC	0651	Sorghum grain	10		CXL	2013	46		2014	
AS	0651	Sorghum straw and fodder, dry	30	(dw)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)	0.5		CXL	2008	41		2009	
AL	0541	Soya bean, hay and/or straw	100		CXL	2008	41		2009	
FS	0012	Stone fruits (group)	2		CXL	2008	41		2009	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	15	(dw)	CXL	2013	46		2014	
				(except maize and sorghum)						
FB	0275	Strawberry	10		CXL	2008	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0596	Sugar beet	4	(Po)	CXL	2022	54		2023	
GS	0659	Sugar cane	0.05		CXL	2017	50		2018	
SO	0702	Sunflower seed	0.5		CXL	2008	41		2009	
TN	0085	Tree nuts (group)	0.01		CXL	2008	41		2009	
GC	0653	Triticale	0.2		CXL	2008	41		2009	
GC	0654	Wheat	0.2		CXL	2008	41		2009	
VL	2832	Witloof chicory (sprouts)	0.3		CXL	2008	41		2009	

230 Chlorantraniliprole

Main Uses: Insecticide

ADI: 0-2 mg/kg bw (2008)

ARfD: Unnecessary (2008)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Chlorantraniliprole.

The residue is fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw			CXL	10	43		2011	
VS	0620	Artichoke, globe			CXL	2013	46		2014	
FI	0326	Avocado			CXL	2022	54		2023	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)		(green pods and immature seeds)	CXL	2013	46		2014	
FB	0018	Berries and other small fruits			CXL	10	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	10	43		2011	
VR	0577	Carrot			CXL	2013	46		2014	
VS	0624	Celery			CXL	08	41		2009	
GC	0080	Cereal grains (group)		(except rice)	CXL	2013	46		2014	
FC	0001	Citrus fruits (group)			CXL	2014	47		2015	
SB	0716	Coffee beans			CXL	2013	46		2014	
SO	0691	Cotton seed			CXL	08	41		2009	
VD	2065	Dry beans (subgroup)		(except soya beans)	CXL	2019	52		2021	
VD	2066	Dry peas (subgroup)			CXL	2019	52		2021	
MO	0105	Edible offal (mammalian)			CXL	10	43		2011	
PE	0112	Eggs			CXL	2016	49		2017	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	08	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)			CXL	08	41		2009	
DH	1100	Hops, dry			CXL	2013	46		2014	
VL	0053	Leafy vegetables (group)		(except radish leaves)	CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)			CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL	10	43		2011	
FM	0183	Milk fats	0.2		CXL	10	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks			CXL	10	43		2011	
HH	0738	Mints			CXL	10	43		2011	
SO	3160	Palm fruit (African oil palm)			CXL	2019	52		2021	
OC	1240	Palm kernel oil, crude			CXL	2019	52		2021	
SO	0697	Peanut			CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2013	46		2014	
VP	0064	Peas, shelled (succulent seeds)			CXL	2013	46		2014	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
FP	0009	Pome fruits (group)			CXL	08	41		2009	
FI	0355	Pomegranate			CXL	2013	46		2014	
PF	0111	Poultry fats			CXL	2016	49		2017	
PM	0110	Poultry meat			CXL	2016	49		2017	
PO	0111	Poultry, edible offal of			CXL	2016	49		2017	
VR	0494	Radish			CXL	2013	46		2014	
VL	0494	Radish leaves (including radish tops)			CXL	2013	46		2014	
SO	0495	Rape seed			CXL	2013	46		2014	
GC	0649	Rice			CXL	2013	46		2014	
CM	1205	Rice, polished			CXL	2013	46		2014	
VR	0075	Root and tuber vegetables (group)		(except carrot and radish)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)			CXL	2014	47		2015	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	30	(dw)	CXL	2016	49		2017	
GS	0659	Sugar cane	0.5		CXL	10	43		2011	
SO	0702	Sunflower seed	2		CXL	2013	46		2014	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	10	43		2011	
DT	1114	Tea, green, black (black, fermented and dried)	80		CXL	2022	54		2023	
TN	0085	Tree nuts (group)	0.02		CXL	10	43		2011	

231 Mandipropamid

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw (2008)

ARfD: Unnecessary (2008)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Mandipropamid.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DH	0722	Basil leaves, dried	200		CXL	2022	54		2023	
HH	0722	Basil, leaves	30		CXL	2022	54		2023	
VP	2060	Beans with pods (subgroup)	1		CXL	2018	51		2019	
VB	0400	Broccoli	2		CXL	2008	41		2009	
VA	2031	Bulb onions (subgroup)	0.05		CXL	2022	54		2023	
VB	0041	Cabbages, head	3		CXL	2008	41		2009	
SB	0715	Cacao beans	0.06		CXL	2018	51		2019	
VS	0624	Celery	20		CXL	2008	41		2009	
OR	0001	Citrus oil, edible	30		CXL	2021	53		2022	
AB	0001	Citrus pulp, dried	1.5		CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2021	53		2022	
VO	2046	Eggplants (subgroup)	0.7		CXL	2022	54		2023	
PE	0112	Eggs	0.01	(*)	CXL	2018	51		2019	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.2		CXL	2022	54		2023	
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.4		CXL	2022	54		2023	
VR	0604	Ginseng	0.15		CXL	2022	54		2023	
DV	0604	Ginseng, dried including red ginseng	4		CXL	2022	54		2023	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	5		CXL	2008	41		2009	
FB	0269	Grapes	2		CXL	2008	41		2009	
DH	1100	Hops, dry	90		CXL	2013	46		2014	
VL	0053	Leafy vegetables (group)	25		CXL	2008	41		2009	
FC	0002	Lemons and limes (including citron) (subgroup)	0.5		CXL	2021	53		2022	
MF	0100	Mammalian fats (except milk fats)	0.02		CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.5							
					CXL	2021	53			2022
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)						
					CXL	2018	51			2019
ML	0106	Milks	0.01	(*)						
					CXL	2018	51			2019
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4							
					CXL	2021	53			2022
VO	0051	Peppers (subgroup)	0.7							
				MRL provisionally applies to okra, martynia, and roselle.	CXL	2022	54			2023
										Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	7							
					CXL	2022	54			2023
VR	0589	Potato	0.1							
					CXL	2018	51			2019
PF	0111	Poultry fats	0.01	(*)						
					CXL	2018	51			2019
PM	0110	Poultry meat	0.01	(*)						
					CXL	2018	51			2019
PO	0111	Poultry, edible offal of	0.01	(*)						
					CXL	2018	51			2019
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.2							
					CXL	2021	53			2022
VO	2045	Tomatoes (subgroup)	1							
					CXL	2022	54			2023

232 Prothioconazole

Main Uses: Fungicide

ADI: 0-0.05 mg/kg bw (2008)

ARfD: 0.8 mg/kg bw (for women of child-bearing age) (2008)

Residue: For compliance with MRL and estimation of dietary exposure for plant commodities: Prothioconazole-desthio.

For compliance with the MRL for animal commodities: Prothioconazole-desthio. For the estimation of dietary exposure for animal commodities: Sum of prothioconazole-desthio, prothioconazole-desthio-3-hydroxy, prothioconazole-desthio-4-hydroxy and their conjugates expressed as prothioconazole-desthio.

The residue is not fat soluble

Note: Prothioconazole ARfD: Unnecessary (general population)

Prothioconazole-desthio:

ADI: 0-0.01 mg/kg bw

ARfD: 0.01 mg/kg bw (woman of child-bearing age)

ARfD: 1 mg/kg bw (general population)

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.2			CXL	09	42		2010	
FB 2006	Bush berries (subgroup)	1.5			CXL	2014	47		2015	
SO 0691	Cotton seed	0.3			CXL	17	50	20	2018	
FB 0265	Cranberry	0.15			CXL	2014	47		2015	
MO 0105	Edible offal (mammalian)	0.15			CXL	2021	53		2022	
PE 0112	Eggs	0.005 (*)			CXL	2021	53		2022	
AS 0164	Fodder (dry) of cereal grains	5			CXL	09	42		2010	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2		(except watermelon)	CXL	2014	47		2015	
SO 0693	Linseed	0.03			CXL	2021	53		2022	
GC 0645	Maize	0.1			CXL	2014	47		2015	
AS 0645	Maize fodder (dry)	15			CXL	2014	47		2015	
MF 0100	Mammalian fats (except milk fats)	0.01 (*)			CXL	2021	53		2022	
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2021	53		2022	
ML 0106	Milks	0.004 (*)			CXL	2021	53		2022	
GC 0647	Oats	0.05			CXL	08	41		2009	
SO 0697	Peanut	0.02 (*)			CXL	08	41		2009	
AL 0697	Peanut fodder	15			CXL	2014	47		2015	
GC 0656	Popcorn	0.1			CXL	2014	47		2015	
VR 0589	Potato	0.02 (*)			CXL	2014	47		2015	
PF 0111	Poultry fats	0.01			CXL	2021	53		2022	
PM 0110	Poultry meat	0.01 (*)			CXL	2021	53		2022	
PO 0111	Poultry, edible offal of	0.01			CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0070	Pulses (group)		(except soya bean, dry)	CXL	09	42		2010	
SO	0495	Rape seed			CXL	2021	53		2022	
OR	0495	Rape seed oil, edible			CXL	2021	53		2022	
GC	0650	Rye			CXL	08	41			
VD	0541	Soya bean (dry)			CXL	2014	47		2015	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			CXL	09	42		2010	
VR	0596	Sugar beet			CXL	09	42		2010	
OC	0702	Sunflower seed oil, crude			CXL	2021	53		2022	
SO	2091	Sunflower seeds (subgroup)			CXL	2021	53		2022	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2014	47		2015	
AS	0447	Sweet corn fodder			CXL	2014	47		2015	Tentative commodity code
GC	0653	Triticale			CXL	08	41		2009	
GC	0654	Wheat			CXL	09	42		2010	

233 Spinetoram

Main Uses: Insecticide

ADI: 0-0.05 mg/kg bw (2008)

ARfD: Unnecessary (2008)

Residue: For compliance with MRLs for plant and animal commodities: Spinetoram.

For estimation of dietary intake for plant and animal commodities: Spinetoram and N-demethyl and N-formyl metabolites of the major spinetoram component.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0240	Apricot			CXL	2017	50		2018	
FI	0326	Avocado			CXL	2017	50		2018	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)		(green pods and immature seeds)	CXL	2012	45		2013	
FB	0020	Blueberries			CXL	2012	45		2013	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2012	45		2013	
VS	0624	Celery			CXL	2012	45		2013	
FS	0013	Cherries (subgroup)			CXL	2017	50		2018	
SO	0691	Cotton seed		(*)	CXL	2017	50		2018	
FB	0021	Currants, black, red, white			CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			CXL	2018	51		2019	
PE	0112	Eggs		(*)	CXL	2017	50		2018	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)			CXL	2017	50		2018	
FB	0269	Grapes			CXL	2012	45		2013	
VA	0384	Leek			CXL	2017	50		2018	
VL	0482	Lettuce, head			CXL	2008	41		2009	
VL	0483	Lettuce, leaf			CXL	2008	41		2009	
FI	0343	Litchi			CXL	2017	50		2018	
GC	0645	Maize		(*)	CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)			CXL	2017	50		2018	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2017	50		2018	
FI	0345	Mango		(*)	CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
VC	0046	Melons, except watermelon	0.01	(*)		CXL	2017	50		2018	
FM	0183	Milk fats	0.15			CXL	2017	50		2018	
ML	0106	Milks	0.02			CXL	2017	50		2018	
FS	0245	Nectarine	0.3			CXL	2012	45		2013	
VA	0385	Onion, bulb	0.01	(*)		CXL	2012	45		2013	
VA	0387	Onion, Welsh	0.8			CXL	2012	45		2013	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.07			CXL	2008	41		2009	
FI	0351	Passion fruit	0.4			CXL	2017	50		2018	
FS	0247	Peach	0.3			CXL	2012	45		2013	
VO	0051	Peppers (subgroup)	0.4		MRL provisionally applies to okra, martynia, and roselle.	CXL	2017	50		2018	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	4			CXL	2017	50		2018	
FI	2540	Pitaya	0.5			CXL	2021	53		2022	
FS	0014	Plums (including fresh prunes) (subgroup)	0.09			CXL	2017	50		2018	
FP	0009	Pome fruits (group)	0.05			CXL	2008	41		2009	
VR	0589	Potato	0.01	(*)		CXL	2017	50		2018	
PF	0111	Poultry fats	0.01	(*)		CXL	2017	50		2018	
PM	0110	Poultry meat	0.01	(*) (fat)		CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.01	(*)		CXL	2017	50		2018	
FB	0272	Raspberries, red, black	0.8			CXL	2012	45		2013	
AS	0649	Rice, hay and/or straw	1.5			CXL	2017	50		2018	
CM	0649	Rice, husked	0.02	(*)		CXL	2017	50		2018	
VD	0541	Soya bean (dry)	0.01	(*)		CXL	2017	50		2018	
VL	0502	Spinach	8			CXL	2012	45		2013	
VA	0389	Spring onion	0.8			CXL	2012	45		2013	
FB	0275	Strawberry	0.15			CXL	2017	50		2018	
VR	0596	Sugar beet	0.01	(*)		CXL	2008	41		2009	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)		CXL	2017	50		2018	
AS	0447	Sweet corn fodder	0.15			CXL	2017	50		2018	
FT	0305	Table olives	0.07			CXL	2017	50		2018	
DT	1114	Tea, green, black (black, fermented and dried)	70			CXL	2021	53		2022	
VO	0448	Tomato	0.06			CXL	2008	41		2009	
TN	0085	Tree nuts (group)	0.01			CXL	2008	41		2009	

234 Spirotetramat

Main Uses: Insecticide

ADI: 0-0.5 mg/kg bw (2008)

ARfD: 1.0 mg/kg bw (2008)

Residue: For compliance with MRL for plant commodities: Spirotetramat and its enol metabolite, 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat. For estimation of dietary intake for plant commodities: Spirotetramat, enol metabolite 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, ketohydroxy metabolite 3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro[4.5]decane-2,4-dione, monohydroxy metabolite cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]decan-2-one, and enol glucoside metabolite glucoside of 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat. For compliance with MRL and estimation of dietary intake for animal commodities: Spirotetramat enol metabolite, 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	08	41		2009	
VS	0620	Artichoke, globe			CXL	2013	46		2014	
FI	0326	Avocado			CXL	2015	48		2016	
FB	2006	Bush berries (subgroup)			CXL	2013	46		2014	
VB	0041	Cabbages, head			CXL	08	41		2009	
VR	0577	Carrot			CXL	2019	52		2021	
VS	0624	Celery			CXL	08	41		2009	
FC	0001	Citrus fruits (group)			CXL	08	41		2009	
SO	0691	Cotton seed			CXL	11	44		2012	
AB	1203	Cotton seed, meal			CXL	11	44		2012	
FB	0265	Cranberry			CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)			CXL	11	44		2012	
PE	0112	Eggs			CXL	11	44		2012	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)			CXL	08	41		2009	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	08	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except sweet corn, mushrooms and chili pepper)	CXL	08	41		2009	
AB	0269	Grape pomace, dried			CXL	08	41		2009	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	08	41		2009	
FB	0269	Grapes			CXL	08	41		2009	
FT	0336	Guava			CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DH	1100	Hops, dry			CXL	08	41		2009	
FI	0341	Kiwifruit			CXL	11	44		2012	
VL	0053	Leafy vegetables (group)			CXL	08	41		2009	
AL	0157	Legume animal feeds			CXL	11	44		2012	
VP	0060	Legume vegetables (group)			CXL	11	44		2012	
FI	0343	Litchi			CXL	11	44		2012	
FI	0345	Mango			CXL	11	44		2012	
MM	0095	Meat (from mammals other than marine mammals)			CXL	11	44		2012	
ML	0106	Milks			CXL	12	45		2013	
VA	0385	Onion, bulb			CXL	11	44		2012	
FI	0350	Papaya			CXL	11	44		2012	
VO	0444	Peppers chili		Non-bell	CXL	08	41		2009	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
FP	0009	Pome fruits (group)			CXL	2008	41		2009	
VR	0589	Potato			CXL	08	41		2009	
PM	0110	Poultry meat			CXL	11	44		2012	
PO	0111	Poultry, edible offal of			CXL	11	44		2012	
DF	0014	Prunes			CXL	08	41		2009	
VD	0070	Pulses (group)		(except soya bean (dry))	CXL	11	44		2012	
VD	0541	Soya bean (dry)			CXL	11	44		2012	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
FB	0275	Strawberry			CXL	2019	52		2021	
VR	0596	Sugar beet			CXL	2019	52		2021	
AV	0596	Sugar beet leaves or tops (dry)		(dw)	CXL	2019	52		2021	
DM	0596	Sugar beet molasses			CXL	2019	42		2021	
GC	0447	Sweet corn			CXL	2015	48		2016	
TN	0085	Tree nuts (group)			CXL	08	41		2009	

235 Fluopicolide

Main Uses: Fungicide

ADI: 0-0.08 mg/kg bw

ARfD: 0.6 mg/kg bw (for women of child-bearing age) (2009)

Residue: For compliance with the MRL for plant and animal commodities: Fluopicolide.

For estimation of dietary intake for plant and animal commodities: Fluopicolide and 2,6-dichlorobenzamide measured separately.

The residue is fat-soluble.

Note: 2,6-dichlorobenzamide: ADI: 0-0.02 mg/kg bw; ARfD: 0.6 mg/kg bw (general population)

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VB 0402	Brussels sprouts	0.2			CXL	09	42		2010	
VB 0041	Cabbages, head	7			CXL	09	43		2011	
VS 0624	Celery	20			CXL	09	43		2011	
MO 0105	Edible offal (mammalian)	0.01		(*)	CXL	09	42		2010	
PE 0112	Eggs	0.01		(*)	CXL	09	42		2010	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	2			CXL	09	42		2010	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	09	42		2010	
VO 0050	Fruiting vegetables, other than cucurbits (group)	1		(except mushrooms and sweet corn)	CXL	09	42		2010	
AB 0269	Grape pomace, dried	7			CXL	09	42		2010	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	10			CXL	09	42		2010	
FB 0269	Grapes	2			CXL	09	42		2010	
VL 0053	Leafy vegetables (group)	30			CXL	09	43		2011	
MM 0095	Meat (from mammals other than marine mammals)	0.01		(*) (fat)	CXL	09	42		2010	
ML 0106	Milks	0.02			CXL	09	42		2010	
VA 0385	Onion, bulb	1			CXL	09	42		2010	
VA 0387	Onion, Welsh	10			CXL	09	42		2010	
HS 0444	Peppers chili, dried	7			CXL	09	42		2010	
PM 0110	Poultry meat	0.01		(*)	CXL	09	42		2010	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	09	42		2010	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.2			CXL	09	42		2010	

236 Metaflumizone

Main Uses: Insecticide

ADI: 0-0.1 mg/kg bw

ARfD: Unnecessary

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Metaflumizone, sum of metaflumizone E-isomer and metaflumizone Z-isomer.
The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	2019	52		2021	
VB	0402	Brussels sprouts			CXL	09	42		2010	
VL	0466	Chinese cabbage (type pack- choi)			CXL	09	42		2010	
SB	0716	Coffee beans			CXL	2019	52		2021	
MO	0105	Edible offal (mammalian)		(*)	CXL	2019	52		2021	
VO	0440	Eggplant			CXL	09	42		2010	
PE	0112	Eggs			CXL	2019	52		2021	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2019	52		2021	
FB	0269	Grapes			CXL	2019	52		2021	
FC	0002	Lemons and limes (including citron) (subgroup)			CXL	2019	52		2021	
VL	0482	Lettuce, head			CXL	09	42		2010	
GC	0645	Maize			CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)			CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)		(*) (fat)	CXL	2019	52		2021	
VC	0046	Melons, except watermelon			CXL	2019	52		2021	
FM	0183	Milk fats			CXL	2019	52		2021	
ML	0106	Milks			CXL	2019	52		2021	
OR	0004	Orange oil, edible			CXL	2019	52		2021	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)							2010	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	09	42		2010	
VR	0589	Potato			CXL	09	42		2010	
PF	0111	Poultry fats			CXL	2019	52		2021	
PM	0110	Poultry meat			CXL	2019	52		2021	
PO	0111	Poultry, edible offal of			CXL	2019	52		2021	
VD	0541	Soya bean (dry)			CXL	2019	52		2021	
GS	0659	Sugar cane			CXL	2019	52		2021	
VO	0448	Tomato			CXL	09	42		2010	

237 Spirodiclofen

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (2009)

ARfD: Unnecessary (2009)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Spirodiclofen.

For compliance with the MRL for animal commodities: Spirodiclofen. For estimation of dietary intake for animal commodities: Sum of spirodiclofen and spirodiclofen-enol, expressed as spirodiclofen.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	15		CXL	09	42		2010	
FI	0326	Avocado	0.9		CXL	2014	47		2015	
FB	0020	Blueberries	4		CXL	2014	47		2015	
FC	0001	Citrus fruits (group)	0.4		CXL	09	42		2010	
SB	0716	Coffee beans	0.03	(*)	CXL	09	42		2010	
VC	0424	Cucumber	0.07		CXL	09	42		2010	
FB	0021	Currants, black, red, white	1		CXL	09	42		2010	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	09	42		2010	
VC	0425	Gherkin	0.07		CXL	09	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	0.3		CXL	09	42		2010	
FB	0269	Grapes	0.2		CXL	09	42		2010	
DH	1100	Hops, dry	40		CXL	09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)	CXL	09	42		2010	
ML	0106	Milks	0.004	(*)	CXL	09	42		2010	
FI	0350	Papaya	0.03	(*)	CXL	09	42		2010	
VO	0445	Peppers, sweet (including pimento or pimiento)	0.2		CXL	09	42		2010	
FP	0009	Pome fruits (group)	0.8		CXL	09	42		2010	
FS	0012	Stone fruits (group)	2		CXL	09	42		2010	
FB	0275	Strawberry	2		CXL	09	42		2010	
AS	0447	Sweet corn fodder	4		CXL	09	42		2010	
VO	0448	Tomato	0.5		CXL	09	42		2010	
TN	0085	Tree nuts (group)	0.05		CXL	09	42		2010	

238 Clothianidin

Main Uses: Insecticide

ADI: 0-0.1 mg/kg bw (2010)

ARfD: 0.6 mg/kg bw (2010)

Residue: For compliance with the MRL and for estimation of the dietary intake for plant and animal commodities: Clothianidin.

The residue is not fat soluble.

Note: T = based on thiamethoxam use only; C = based on clothianidin use only, c,T or C,t = combined clothianidin and thiamethoxam use.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
AM	0660	Almond hulls	0.1	(dw)	T		3	2023	55		
VS	0620	Artichoke, globe	0.05		T		CXL	2010	43		2011
FI	0326	Avocado	0.03		T		CXL	2014	47		2015
FI	0327	Banana	0.02		C,t		CXL	2010	44	43	2012
GC	0640	Barley	0.07		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022
CF	0640	Barley bran, processed	0.15		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022
AS	0640	Barley, hay and/or straw	1	(dw)	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.2		T		CXL	2014	47		2015
FB	0018	Berries and other small fruits	0.07		c,T	(except grapes)	CXL	2010	43		2011
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.2		T		CXL	2010	43		2011
SB	0715	Cacao beans	0.02	(*)	T		CXL	2010	43		2011
VS	0624	Celery	0.04		T		CXL	2010	43		2011
FC	0001	Citrus fruits (group)	0.07		T		CXL	2010	45	43	2013
SB	0716	Coffee beans	0.05		T		CXL	2010	43		2011
HS	0780	Cumin seed	1				3	2023	55		
MO	0105	Edible offal (mammalian)	0.02	(*)	C,t	(except liver)	CXL	2010	44	43	2012
PE	0112	Eggs	0.01	(*)			CXL	2021	53		2022

Withdrawal recommended by JMPR (2023).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR		
Code	Name											
VC	0045	Fruiting vegetables, cucurbits (group)	0.02	(*)	T		CXL	2010	43		2011	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.05		T	(except sweet corn)	CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.05		T	(except goji berry)	3	2023	55			
VO	2704	Goji berry	0.06		T		3	2023	55			
DV	2704	Goji berry, dried	0.3		T		3	2023	55			
JF	0269	Grape juice	0.2		C,t		CXL	2010	43		2012	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1		C,t		CXL	2010	44	43	2012	
FB	0269	Grapes	0.7		C,t		CXL	2010	44	43	2012	
DH	1100	Hops, dry	0.07		T		CXL	2014	47		2015	
VL	0053	Leafy vegetables (group)	2		T		CXL	2010	43		2011	
VP	0060	Legume vegetables (group)	0.01	(*)	T		CXL	2010	43		2011	
MO	0099	Liver of cattle, goats, pigs & sheep	0.4				CXL	2021	53		2022	
GC	0645	Maize	0.02		c,T		CXL	2010	43		2011	
AS	0645	Maize fodder (dry)	0.01	(*) (dw)	T		CXL	2010	43		2011	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	C,t		CXL	2010	44	43	2012	
FI	0345	Mango	0.04		T		CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	C,t		CXL	2010	44	43	2012	
ML	0106	Milks	0.05				CXL	2021	53		2022	
HH	0738	Mints	0.3		T		CXL	2014	47		2015	
AS	3559	Oat, hay and/or straw	1	(dw)	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022	
GC	0647	Oats	0.07		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022	
SO	0088	Oilseeds and oilfruits (group)	0.02	(*)	c,T		CXL	2010	43		2011	
VA	0385	Onion, bulb	0.01	(*)	T		3	2023	55			
FI	0350	Papaya	0.01	(*)	T		CXL	2010	43		2011	
AL	0072	Pea, hay and/or straw	0.2	(dw)	T		CXL	2010	43		2011	
TN	0672	Pecan	0.01	(*)	T		CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried								
					CXL	2010	43			2011
FI	0353	Pineapple								
					CXL	2010	43			2011
FP	0009	Pome fruits (group)								
					CXL	2010	44	43		2012
GC	0656	Popcorn								
					CXL	2010	43			2011
PF	0111	Poultry fats								
					CXL	2021	53			2022
PM	0110	Poultry meat								
					CXL	2021	53			2022
PO	0111	Poultry, edible offal of								
					CXL	2021	53			2022
DF	0014	Prunes								
			c,T		CXL	2010	43			2011
VD	0070	Pulses (group)								
					CXL	2010	43			2011
GC	0649	Rice								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
CM	1206	Rice bran, unprocessed								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
AS	0649	Rice, hay and/or straw								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
AS	3570	Rice, hulls								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
CM	0649	Rice, husked								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
CM	1205	Rice, polished								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
VR	0075	Root and tuber vegetables (group)								
					CXL	2010	46	43,44,45		2014
AS	3560	Rye, hay and/or straw								
					CXL	2021	53			2022
GC	0651	Sorghum grain								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)
AS	3562	Sorghum, hay and/or straw								
					CXL	2021	53			2022
										(combined clothianidin and thiamethoxam use)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GS	0658	Sorgo or sorghum, sweet	0.4	T	(based on thiamethoxam use only)	CXL	2021	53		2022
VS	0078	Stalk and stem vegetables	0.04	C	(except artichoke and celery)	CXL	2010	44	43	2012
VS	2080	Stems and petioles (subgroup)	0.04	T		3	2023	55		
FS	0012	Stone fruits (group)	0.2	c,T		CXL	2010	43		2011
GS	0659	Sugar cane	0.4	C		CXL	2010	44	43	2012
AS	3563	Sweet corn, stover	0.05	(dw)	C,t	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
GC	2090	Sweet corns (subgroup)	0.01	(*)	C,t	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
DT	1114	Tea, green, black (black, fermented and dried)	0.7	T		CXL	2010	43		2011
TN	0085	Tree nuts (group)	0.01	(*)	T		3	2023	55	
GC	0653	Triticale	0.15		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
AS	0653	Triticale, hay and/or straw	1	(dw)	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
GC	0654	Wheat	0.15		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
CF	0654	Wheat bran, processed	6		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
CF	1210	Wheat germ	6		c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
AS	0654	Wheat, hay and/or straw	1	(dw)	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022

239 Cyproconazole

Main Uses: Herbicide

ADI: 0-0.02 mg/kg bw (2010)

ARfD: 0.06 mg/kg bw (2010)

Residue: For compliance with the MRL for animal and plant commodities: Cyproconazole.

For estimation of dietary intake for plant commodities: Cyproconazole.

For estimation of dietary intake for animal commodities: Cyproconazole, free and conjugated.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071	Bean (dry)			CXL	2010	43		2011	
GC	0080	Cereal grains (group)		(except maize, rice and sorghum)	CXL	2010	43		2011	
SB	0716	Coffee beans			CXL	2013	46		2014	
SM	0716	Coffee beans, roasted			CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)			CXL	2010	43		2011	
PE	0112	Eggs			CXL	2010	43		2011	
GC	0645	Maize			CXL	2010	43		2011	
AS	0645	Maize fodder (dry)			CXL	2010	43		2011	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2010	43		2011	
ML	0106	Milks			CXL	2010	43		2011	
VD	0072	Peas (dry)			CXL	2010	43		2011	
VP	0064	Peas, shelled (succulent seeds)			CXL	2010	43		2011	
PM	0110	Poultry meat			CXL	2010	43		2011	
PO	0111	Poultry, edible offal of			CXL	2010	43		2011	
SO	0495	Rape seed			CXL	2010	43		2011	
VD	0541	Soya bean (dry)			CXL	2010	43		2011	
OR	0541	Soya bean oil, refined			CXL	2010	43		2011	
AL	0541	Soya bean, hay and/or straw			CXL	2010	43		2011	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(except maize, rice and sorghum)	CXL	2010	43		2011	
VR	0596	Sugar beet			CXL	2010	43		2011	

240 Dicamba

Main Uses: Herbicide

ADI: 0-0.3 mg/kg bw (2010)

ARfD: 0.5 mg/kg bw (2010)

Residue: For compliance with the MRL for plant commodities: Dicamba.

For estimation of dietary intake for plant commodities: sum of dicamba and 5-OH dicamba expressed as dicamba.

For compliance with the MRL and for estimation of dietary intake for animal commodities: Sum of dicamba and DCSA expressed as dicamba.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0621	Asparagus	5			CXL	2010	43		2011	
GC 0640	Barley	7			CXL	2010	43		2011	
AS 0640	Barley, hay and/or straw	50			CXL	2010	43		2011	
SO 0691	Cotton seed	3			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.7			CXL	2010	43		2011	
PE 0112	Eggs	0.01		(*)	CXL	2010	43		2011	
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	30			CXL	2010	43		2011	
GC 0645	Maize	0.01		(*)	CXL	2019	52		2021	
AS 0645	Maize fodder (dry)	0.6		(*)	CXL	2019	52		2021	
MF 0100	Mammalian fats (except milk fats)	0.07			CXL	2010	43		2011	
MM 0095	Meat (from mammals other than marine mammals)	0.03			CXL	2010	43		2011	
ML 0106	Milks	0.2			CXL	2010	43		2011	
PF 0111	Poultry fats	0.04			CXL	2010	43		2011	
PM 0110	Poultry meat	0.02			CXL	2010	43		2011	
PO 0111	Poultry, edible offal of	0.07			CXL	2010	43		2011	
GC 0651	Sorghum grain	4			CXL	2010	43		2011	
AS 0651	Sorghum straw and fodder, dry	8			CXL	2010	43		2011	
VD 0541	Soya bean (dry)	10			CXL	2019	52		2021	
AB 0541	Soya bean hulls	15			CXL	2019	52		2021	
AB 1265	Soya bean meal	15			CXL	2019	52		2021	
AL 0541	Soya bean, hay and/or straw	150		(dw)	CXL	2019	52		2021	
GS 0659	Sugar cane	1			CXL	2010	43		2011	
VO 1275	Sweet corn (kernels)	0.02			CXL	2010	43		2011	
GC 0654	Wheat	2			CXL	2010	43		2011	
AS 0654	Wheat, hay and/or straw	50			CXL	2010	43		2011	

241 Etoxazole

Main Uses: Acaricide

ADI: 0-0.05 mg/kg bw (2010)

ARfD: Unnecessary (2010)

Residue: For compliance with the MRL and for estimation of dietary intake) for plant and animal commodities: Etoxazole.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	3		CXL	10	43		2011	
FC	0001	Citrus fruits (group)	0.1		CXL	10	43		2011	
VC	0424	Cucumber	0.02		CXL	10	43		2011	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	10	43		2011	
FB	0269	Grapes	0.5		CXL	10	43		2011	
DH	1100	Hops, dry	15		CXL	10	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)	CXL	10	43		2011	
ML	0106	Milks	0.01	(*)	CXL	10	43		2011	
HH	0738	Mints	15		CXL	10	43		2011	
FP	0009	Pome fruits (group)	0.07		CXL	11	44		2012	
DT	1114	Tea, green, black (black, fermented and dried)	15		CXL	10	43		2011	
TN	0085	Tree nuts (group)	0.01	(*)	CXL	10	43		2011	

242 Flubendiamide

Main Uses: Insecticide

ADI: 0-0.02 mg/kg bw (2010)

ARfD: 0.2 mg/kg bw (2010)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Flubendiamide.

For compliance with the MRL for animal commodities: Flubendiamide.

For estimation of dietary intake for animal commodities: Flubendiamide and flubendiamide-iodophthalimide.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2010	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2010	43		2011	
VS	0624	Celery			CXL	2010	43		2011	
SO	0691	Cotton seed			CXL	2010	43		2011	
MO	0105	Edible offal (mammalian)			CXL	2010	43		2011	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2010	43		2011	
FB	0269	Grapes			CXL	2010	43		2011	
VP	0060	Legume vegetables (group)			CXL	2010	43		2011	
VL	0482	Lettuce, head			CXL	2010	43		2011	
VL	0483	Lettuce, leaf			CXL	2010	43		2011	
GC	0645	Maize			CXL	2010	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	(fat)		CXL	2010	43		2011	
FM	0183	Milk fats			CXL	2010	43		2011	
ML	0106	Milks			CXL	2010	43		2011	
SO	0088	Oilseeds and oilfruits (group)			3	2022	54			
AL	0072	Pea, hay and/or straw			CXL	2010	43		2011	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2010	43		2011	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	2010	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0009	Pome fruits (group)			CXL	2010	43		2011	
VD	0070	Pulses (group)			CXL	2010	43		2011	
AL	0541	Soya bean, hay and/or straw			CXL	2010	43		2011	
FS	0012	Stone fruits (group)			CXL	2010	43		2011	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2010	43		2011	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2010	43		2011	
VO	0448	Tomato			CXL	2010	43		2011	
TN	0085	Tree nuts (group)			CXL	2010	43		2011	

243 Fluopyram

Main Uses: Fungicide

ADI: 0-0.01 mg/kg bw (2010)

ARfD: 0.5 mg/kg bw (2010)

Residue: For compliance with the MRL and for estimation of dietary intake for plant commodities: Fluopyram.

For compliance with the MRL for animal commodities: Sum of fluopyram and 2(trifluoromethyl)benzamide, expressed as fluopyram.

For estimation of dietary intake for animal commodities: Sum of fluopyram, 2(trifluoromethyl)benzamide and the combined residues of the E-olefine and Z-olefine isomers of fluopyram, all expressed as fluopyram.

Although fluopyram (parent compound) is fat-soluble, the 2-(trifluoromethyl)benzamide metabolite (the major component of the residue) is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.4		CXL	2017	50		2018	
VS	0621	Asparagus	0.01	(*)	CXL	2014	47		2015	
FI	0327	Banana	0.8		CXL	2012	45		2013	
GC	0640	Barley	0.2		CXL	2017	50		2018	
GC	0640	Barley	0.4		3	2023	55			
AS	0640	Barley, hay and/or straw	2		CXL	2017	50		2018	
AS	0640	Barley, hay and/or straw	6	(dw)	3	2023	55			
DH	0722	Basil leaves, dried	400		CXL	2017	50		2018	
HH	0722	Basil, leaves	70		CXL	2017	50		2018	
AL	0061	Bean, hay and/or straw	70		CXL	2017	50		2018	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1		CXL	2015	48		2016	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.2		CXL	2015	48		2016	
VB	0400	Broccoli	0.3		CXL	2014	47		2015	
VB	0402	Brussels sprouts	0.3		CXL	2014	47		2015	
GC	0641	Buckwheat	0.4		3	2023	55			
FB	2006	Bush berries (subgroup)	7		CXL	2017	50		2018	
VB	0041	Cabbages, head	0.15		CXL	2014	47		2015	
FB	2005	Cane berries (subgroup)	5		CXL	2017	50		2018	
VR	0577	Carrot	0.4		CXL	2012	45		2013	
VB	0404	Cauliflower	0.09		CXL	2014	47		2015	
FS	0013	Cherries (subgroup)	2		CXL	2017	50		2018	
SB	0716	Coffee beans	0.015		CXL	2021	53		2022	
SO	0691	Cotton seed	0.8		CXL	2017	50		2018	
VC	0424	Cucumber	0.5		CXL	2010	43		2011	
HS	0730	Dill seed	70		CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	2065	Dry beans (subgroup)		(except soybean (dry))	CXL	2017	50		2018	
VD	2066	Dry peas (subgroup)			CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			3	2023	55			
VO	2046	Eggplants (subgroup)			CXL	2017	50		2018	
PE	0112	Eggs			CXL	2017	50		2018	
PE	0112	Eggs			3	2023	55			
VA	0381	Garlic			CXL	2014	47		2015	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2010	43		2011	
FB	0269	Grapes			CXL	2010	43		2011	
DH	1100	Hops, dry			CXL	2017	50		2018	
VA	0384	Leek			CXL	2014	47		2015	
FC	0002	Lemons and limes (including citron) (subgroup)			CXL	2017	50		2018	
VL	0482	Lettuce, head			CXL	2014	47		2015	
VL	0483	Lettuce, leaf			CXL	2014	47		2015	
GC	2091	Maize cereals (subgroup)			CXL	2017	50		2018	
AS	0645	Maize fodder (dry)			CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)			CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)			3	2023	55			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2017	50		2018	
FI	0345	Mango			CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)			3	2023	55			
ML	0106	Milks			CXL	2017	50		2018	
ML	0106	Milks			3	2023	55			
AS	0647	Oat straw and fodder, dry			CXL	2017	50		2018	
AS	3559	Oat, hay and/or straw	(dw)		3	2023	55			
GC	0647	Oats			CXL	2017	50		2018	
GC	0647	Oats			3	2023	55			
VA	0385	Onion, bulb			CXL	2014	47		2015	
VA	0387	Onion, Welsh			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.6		CXL	2017	50		2018	
AL	0072	Pea, hay and/or straw	100		CXL	2017	50		2018	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1		CXL	2014	47		2015	
SO	0697	Peanut	0.2		CXL	2017	50		2018	
AL	0697	Peanut fodder	47		CXL	2017	50		2018	
VP	0064	Peas, shelled (succulent seeds)	0.2		CXL	2015	48		2016	
VO	0051	Peppers (subgroup)	3	MRL provisionally applies to okra, martynia, and roselle.	CXL	2017	50		2018	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	30		CXL	2017	50		2018	
FS	0014	Plums (including fresh prunes) (subgroup)	0.5		CXL	2014	47		2015	
FP	0009	Pome fruits (group)	0.5		CXL	2012	45		2013	
VR	0589	Potato	0.15		CXL	2017	50		2018	
PF	0111	Poultry fats	1		CXL	2017	50		2018	
PF	0111	Poultry fats	1		3	2023	55			
PM	0110	Poultry meat	1.5		CXL	2017	50		2018	
PM	0110	Poultry meat	1.5		3	2023	55			
PO	0111	Poultry, edible offal of	5		CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	4		3	2023	55			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.4		CXL	2017	50		2018	
SO	0495	Rape seed	1		CXL	2014	47		2015	
GC	0649	Rice	4		CXL	2017	50		2018	
AS	0649	Rice, hay and/or straw	17		CXL	2017	50		2018	
CM	0649	Rice, husked	1.5		CXL	2018	51		2019	
CM	1205	Rice, polished	0.5		CXL	2018	51		2019	
GC	0650	Rye	0.9		CXL	2017	50		2018	
GC	0650	Rye	0.2		3	2023	55			
AS	0650	Rye straw and fodder, dry	23		CXL	2017	50		2018	
AS	3560	Rye, hay and/or straw	6	(dw)	3	2023	55			
GC	0651	Sorghum grain	0.6		3	2023	55			
AS	3561	Sorghum, stover	3	(dw)	3	2023	55			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0541	Soya bean (dry)	0.3		CXL	2017	50		2018	
AL	0541	Soya bean, hay and/or straw	35		CXL	2017	50		2018	
VA	0389	Spring onion	15		CXL	2017	50		2018	
FB	0275	Strawberry	0.4		CXL	2012	45		2013	
VR	0596	Sugar beet	0.04		CXL	2012	45		2013	
SO	0702	Sunflower seed	0.7		CXL	2017	50		2018	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2017	50		2018	
VO	2045	Tomatoes (subgroup)	0.5		CXL	2018	51		2019	
TN	0085	Tree nuts (group)	0.04		CXL	2012	45		2013	
GC	0653	Triticale	0.9		CXL	2017	50		2018	
GC	0653	Triticale	0.2		3	2023	55			
AS	0653	Triticale, hay and/or straw	23		CXL	2017	50		2018	
AS	0653	Triticale, hay and/or straw	6		3	2023	55			
GC	0654	Wheat	0.9		CXL	2017	50		2018	
GC	0654	Wheat	0.2		3	2023	55			
CF	0654	Wheat bran, processed	0.6		3	2023	55			
CF	1210	Wheat germ	0.5		3	2023	55			
AS	0654	Wheat, hay and/or straw	23		CXL	2017	50		2018	
AS	0654	Wheat, hay and/or straw	6	(dw)	3	2023	55			
VL	2832	Witloof chicory (sprouts)	0.15		CXL	2017	50		2018	

244 Meptyldinocap

Main Uses: Fungicide

ADI: 0-0.02 mg/kg bw (2010)

ARfD: Unnecessary (2010)

Residue: For with the MRL for plant commodities: Dinocap, sum of all isomers.

For estimation of dietary intake for plant commodities: Sum of meptyldinocap, and the corresponding phenol 2, 4-DNOP, expressed as parent meptyldinocap.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0424 Cucumber	0.07	M,d		CXL	10	43		2011	The maximum residue level accommodates the residues derived from the use of dinocap on fruiting vegetables, cucumbers. The Meeting recommended to re-evaluate the current CXL of 0.05*.
FB	0269 Grapes	0.2	M,d		CXL	10	43		2011	The maximum residue level accommodates the residues derived from the use of dinocap on fruiting vegetables, cucumbers. The Meeting recommended to re-evaluate the current CXL of 0.05*.
VC	0046 Melons, except watermelon	0.5	M,d		CXL	10	43		2011	The maximum residue level accommodates the residues derived from the use of dinocap on fruiting vegetables, cucumbers. The Meeting recommended to re-evaluate the current CXL of 0.05*.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
VC	0431	Squash, summer	0.07	M,d		CXL	10	43		2011	The maximum residue level accommodates the residues derived from the use of dinocap on fruiting vegetables, cucumbers. The Meeting recommended to re-evaluate the current CXL of 0.05*.
FB	0275	Strawberry	0.3	M,d		CXL	10	43		2011	The current dinocap Codex MRL of 0.5 mg/kg covers the use of meptyldinocap.

245 Thiamethoxam

Main Uses: Insecticide

ADI: 0-0.08 mg/kg bw (2010)

ARfD: 1 mg/kg bw (2010)

Residue: For compliance with the MRL for animal and plant commodities: Thiamethoxam.

For estimation of the dietary intake for plant and animal commodities (except poultry): Thiamethoxam and clothianidin (considered separately).

For estimation of the dietary intake for poultry: Sum of thiamethoxam, CGA 265307 and MU3, expressed as thiamethoxam; and clothianidin (clothianidin to be considered separately from thiamethoxam).

The residue is not fat-soluble.

Note: The recommendations for CGA322704 are listed in the clothianidin appraisal 2014.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	2 (dw)			3	2023	55			
VS	0620 Artichoke, globe	0.5			CXL	2010	43		2011	
FI	0326 Avocado	0.5			CXL	2014	47		2015	
FI	0327 Banana	0.02 (*)			CXL	2010	43		2011	
GC	0640 Barley	0.5			CXL	2021	53		2022	
CF	0640 Barley bran, processed	1.5			CXL	2021	53		2022	
AS	0640 Barley, hay and/or straw	8 (dw)			CXL	2021	53		2023	
VP	0061 Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.3			CXL	2014	47		2015	
FB	0018 Berries and other small fruits	0.5			CXL	2010	43		2011	
VB	0040 Brassica vegetables (except Brassica leafy vegetables) (group)	5			CXL	2010	43		2011	
SB	0715 Cacao beans	0.02 (*)			CXL	2010	43		2011	
VS	0624 Celery	1			CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
FC	0001 Citrus fruits (group)	0.5			CXL	2010	45	43	2013	
SB	0716 Coffee beans	0.2			CXL	2010	43		2011	
HS	0780 Cumin seed	1			3	2023	55			
MO	0105 Edible offal (mammalian)	0.05			CXL	2021	53		2022	
PE	0112 Eggs	0.01 (*)			CXL	2021	53		2022	
VC	0045 Fruiting vegetables, cucurbits (group)	0.5			CXL	2010	43		2011	
VO	0050 Fruiting vegetables, other than cucurbits (group)	0.7		(except goji berry)	CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
VO	0050 Fruiting vegetables, other than cucurbits (group)	0.7			3	2023	55			
VO	2704 Goji berry	1.5			3	2023	55			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DV	2704	Goji berry, dried	5		3	2023	55			
DH	1100	Hops, dry	0.09		CXL	2014	47		2015	
VL	0053	Leafy vegetables (group)	3		CXL	2010	43		2011	
VP	0060	Legume vegetables (group)	0.01	(*)	CXL	2010	43		2011	
GC	0645	Maize	0.05		CXL	2010	43		2011	
AS	0645	Maize fodder (dry)	0.05		CXL	2010	43		2011	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2021	53		2022	
FI	0345	Mango	0.2		CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.07		CXL	2021	53		2022	
ML	0106	Milks	0.15		CXL	2021	53		2022	
HH	0738	Mints	1.5		CXL	2014	47		2015	
AS	3559	Oat, hay and/or straw	8	(dw)	CXL	2021	53		2022	
GC	0647	Oats	0.5		CXL	2021	53		2022	
SO	0088	Oilseeds and oilfruits (group)	0.02	(*)	CXL	2010	43		2011	
VA	0385	Onion, bulb	0.02		3	2023	55			
FI	0350	Papaya	0.01	(*)	CXL	2010	43		2011	
AL	0072	Pea, hay and/or straw	0.3		CXL	2010	43		2011	
TN	0672	Pecan	0.01	(*)	CXL	2010	43		2011	Withdrawal recommended by JMPR (2023).
HS	0444	Peppers chili, dried	7		CXL	2010	43		2011	
FP	0307	Persimmon, Japanese	0.6		CXL	2021	53		2022	
FI	0353	Pineapple	0.01	(*)	CXL	2010	43		2011	
FP	0009	Pome fruits (group)	0.3		CXL	2010	43		2011	
GC	0656	Popcorn	0.01	(*)	CXL	2010	43		2011	
PF	0111	Poultry fats	0.01	(*)	CXL	2021	53		2022	
PM	0110	Poultry meat	0.03		CXL	2021	53		2022	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2021	53		2022	
VD	0070	Pulses (group)	0.04		CXL	2010	43		2011	
GC	0649	Rice	50		CXL	2021	53		2022	
CM	1206	Rice bran, unprocessed	30		CXL	2021	53		2022	
AS	0649	Rice, hay and/or straw	3	(dw)	CXL	2021	53		2022	
AS	3570	Rice, hulls	300		CXL	2021	53		2023	
CM	0649	Rice, husked	5		CXL	2021	53		2023	
CM	1205	Rice, polished	3		CXL	2021	53		2023	
VR	0075	Root and tuber vegetables (group)	0.3		CXL	2010	43		2011	
AS	3560	Rye, hay and/or straw	8	(dw)	CXL	2021	53		2022	
GC	0651	Sorghum grain	0.6		CXL	2021	53		2022	
AS	3562	Sorghum, hay and/or straw	0.8	(dw)	CXL	2021	53		2022	
GS	0658	Sorgo or sorghum, sweet	0.6		CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	2080	Stems and petioles (subgroup)			3	2023	55			
FS	0012	Stone fruits (group)			CXL	2010	43		2011	
AS	3563	Sweet corn, stover		(dw)	CXL	2021	53		2022	
GC	2090	Sweet corns (subgroup)		(*)	CXL	2021	53		2022	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2010	43		2011	
TN	0085	Tree nuts (group)		(*)	3	2023	55			
GC	0653	Triticale			CXL	2021	53		2022	
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2021	53		2022	
GC	0654	Wheat			CXL	2021	53		2022	
CF	0654	Wheat bran, processed			CXL	2021	53		2022	
CF	1210	Wheat germ			CXL	2021	53		2022	
AS	0654	Wheat, hay and/or straw		(dw)	CXL	2021	53		2022	

246 Acetamiprid

Main Uses: Insecticide

ADI: 0–0.07 mg/kg bw (2011)

ARfD: 0.1 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Acetamiprid.

For compliance with the MRL and for estimation of dietary exposure for animal commodities: Sum of acetamiprid and its desmethyl (IM-2-1) metabolite, expressed as acetamiprid.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0621	Asparagus			CXL	2015	48		2016	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)			CXL	2011	44		2012	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)			CXL	2011	44		2012	
FB	0018	Berries and other small fruits		(except grapes and strawberries)	CXL	2011	44		2012	
VB	0041	Cabbages, head			CXL	2011	44		2012	
HS	0775	Cardamom			CXL	2018	54	51	2023	
VS	0624	Celery			CXL	2011	44		2012	
FS	0013	Cherries (subgroup)			CXL	2011	44		2012	
FC	0001	Citrus fruits (group)			CXL	2011	44		2012	
SO	0691	Cotton seed			CXL	2011	44		2012	
VC	0424	Cucumber			CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)			CXL	2015	48		2016	
PE	0112	Eggs		(*)	CXL	2011	44		2012	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)			CXL	2011	44		2012	
VC	0045	Fruiting vegetables, cucurbits (group)		(except cucumber)	CXL	2015	48		2016	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except sweet corn & mushrooms)	CXL	2011	44		2012	
VA	0381	Garlic			CXL	2011	44		2012	
FB	0269	Grapes			CXL	2011	44		2012	
MF	0100	Mammalian fats (except milk fats)			CXL	2015	48		2016	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks			CXL	2015	48			2016
FS	0245	Nectarine			CXL	2011	44			2012
VA	0385	Onion, bulb			CXL	2011	44			2012
FS	0247	Peach			CXL	2011	44			2012
VP	0064	Peas, shelled (succulent seeds)			CXL	2011	44			2012
HS	0790	Pepper, black, white			CXL	2015	48			2016
HS	0444	Peppers chili, dried			CXL	2011	44			2012
TN	0675	Pistachio nuts			CXL	2021	53			2022
FS	0014	Plums (including fresh prunes) (subgroup)		(except prunes)	CXL	2011	44			2012
FP	0009	Pome fruits (group)			CXL	2011	44			2012
PM	0110	Poultry meat			CXL	2011	44			2012
PO	0111	Poultry, edible offal of			CXL	2011	44			2012
DF	0014	Prunes			CXL	2011	44			2012
VD	0541	Soya bean (dry)			3	2023	55			
HS	0190	Spices, seeds			CXL	2019	52			2021
VA	0389	Spring onion			CXL	2011	44			2012
FB	0275	Strawberry			CXL	2011	44			2012
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2015	48			2016
AS	0447	Sweet corn fodder			CXL	2015	48			2016
TN	0085	Tree nuts (group)		(except pistachio nut)	CXL	2021	53			2022

247 Emamectin benzoate

Main Uses: Insecticide

ADI: 0–0.0005 mg/kg bw (2011)

ARfD: 0.02 mg/kg bw (2014)

Residue: For compliance with the MRL and estimation of dietary intake for plant and animal commodities: Emamectin B1a benzoate.

The residue is not fat soluble.

Note: Emamectin was previously evaluated at JMPR (2011) when an ADI of 0–0.0005 mg/kg bw and ARfD of 0.03 mg/kg bw were established for emamectin benzoate.

Emamectin benzoate was evaluated by JECFA (2013) which confirmed the HBGVs established by JMPR (2011). JMPR (2014) withdrew the ARfD of 0.03 mg/kg bw and established an ARfD of 0.02 mg/kg bw.

Emamectin was evaluated by JMPR (2023), due to a request for additional information on analytical methodology, storage stability and MRLs.

The results of the newly submitted studies did not affect the previously established ADI or ARfD for emamectin benzoate.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DH	0722	Basil leaves, dried	0.4		CXL	2022	54		2023	
HH	0722	Basil, leaves	0.06		CXL	2022	54		2023	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.015		CXL	2011	44		2012	
DH	2605	Chive, dried	0.05		CXL	2022	54		2023	
VA	4155	Chives	0.01		CXL	2022	54		2023	
VL	0510	Cos lettuce	0.7		CXL	2014	47		2015	
SO	0691	Cotton seed	0.002	(*)	CXL	2011	44		2012	
MO	0105	Edible offal (mammalian)	0.1		CXL	2022	54		2023	
VB	0042	Flowerhead brassicas (subgroup)	0.007		CXL	2022	54		2023	
VC	0045	Fruiting vegetables, cucurbits (group)	0.007		CXL	2011	44		2012	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.02	(except sweet corn and mushrooms)	CXL	2011	44		2012	
FB	0269	Grapes	0.03		CXL	2011	44		2012	
VL	0054	Leaves of Brassicaceae (subgroup)	0.2		CXL	2022	54		2023	
VL	0482	Lettuce, head	1		CXL	2011	44		2012	
VL	0483	Lettuce, leaf	0.7		CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)	0.02		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.005		CXL	2022	54		2023	
ML	0106	Milks	0.003		CXL	2022	54		2023	
VL	0485	Mustard greens	0.2		CXL	2011	44		2012	
FS	0245	Nectarine	0.03		CXL	2011	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0247	Peach			CXL	2011	44		2012	
HS	0444	Peppers chili, dried			CXL	2011	44		2012	
FP	0009	Pome fruits (group)			CXL	2011	44		2012	
SO	0495	Rape seed		(*)	CXL	2014	47		2015	
VD	0541	Soya bean (dry)		(*)	CXL	2022	54		2023	
VL	0502	Spinach			CXL	2022	54		2023	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2022	54		2023	
TN	0085	Tree nuts (group)		(*)	CXL	2014	47		2015	

248 Flutriafol

Main Uses: Fungicide

ADI: 0–0.01 mg/kg bw (2011)

ARfD: 0.05 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Flutriafol.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	15	(dw)	CXL	2022	54		2023	
TN	0660	Almonds	0.8		CXL	2022	54		2023	
FI	0327	Banana	0.3		CXL	2011	44		2012	
GC	0640	Barley	1.5		CXL	2022	54		2023	
AS	0640	Barley, hay and/or straw	10	(dw)	CXL	2022	54		2023	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	1.5		CXL	2015	48		2016	
VS	0624	Celery	3		CXL	2015	48		2016	
FS	0013	Cherries (subgroup)	0.8		CXL	2015	48		2016	
SB	0716	Coffee beans	0.15		CXL	2011	44		2012	
SO	0691	Cotton seed	0.5		CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)	1		CXL	2022	54		2023	
PE	0112	Eggs	0.01	(*)	CXL	2022	54		2023	
VC	0045	Fruiting vegetables, cucurbits (group)	0.3		CXL	2015	48		2016	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		CXL	2011	45	44	2013	
FB	0269	Grapes	0.8		CXL	2011	45	44	2013	
VL	0482	Lettuce, head	1.5		CXL	2015	48		2016	
GC	0645	Maize	0.01	(*)	CXL	2015	48		2016	
AS	0645	Maize fodder (dry)	20		CXL	2015	48		2016	
MF	0100	Mammalian fats (except milk fats)	0.02		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(fat)	CXL	2022	54		2023	
ML	0106	Milks	0.01	(*)	CXL	2022	54		2023	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.6		CXL	2015	48		2016	
SO	0697	Peanut	0.15		CXL	2011	44		2012	
AL	0697	Peanut fodder	20		CXL	2011	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2015	48		2016	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	2011	44		2012	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2015	48		2016	
FP	0009	Pome fruits (group)			CXL	2015	48		2016	
PF	0111	Poultry fats			CXL	2022	54		2023	
PM	0110	Poultry meat	(fat)		CXL	2022	54		2023	
PO	0111	Poultry, edible offal of			CXL	2022	54		2023	
DF	0014	Prunes			CXL	2015	48		2016	
SO	0495	Rape seed			CXL	2015	48		2016	
GC	0649	Rice			4	2022	54			CCPR noted the reservation of the EU and Switzerland on the advancement of the MRLs for rice which were based on a GAP which is currently unsupported. CCPR agreed to retain the MRLs for all rice commodities at Step 4, awaiting additional data from the sponsor and the outcome of the JMPR re-evaluation (54:131-132).
AS	0649	Rice, hay and/or straw	(dw)		4	2022	54			(See rice)
AS	3570	Rice, hulls	(dw)	(husks)	4	2022	54			(See rice)
CM	0649	Rice, husked			4	2022	54			(See rice)
CM	1205	Rice, polished			4	2022	54			(See rice)
GC	0651	Sorghum grain			CXL	2015	48		2016	
AS	0651	Sorghum straw and fodder, dry			CXL	2015	48		2016	
VD	0541	Soya bean (dry)			CXL	2011	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0275	Strawberry			CXL	2015	48		2016	
VR	0596	Sugar beet			CXL	2015	48		2016	
AV	0596	Sugar beet leaves or tops (dry)		(dw)	CXL	2015	48		2016	
VO	0448	Tomato			CXL	2015	48		2016	
GC	0654	Wheat			CXL	2011	44		2012	
CM	0654	Wheat bran, unprocessed			CXL	2011	44		2012	
AS	0654	Wheat, hay and/or straw			CXL	2011	44		2012	

249 Isopyrazam

Main Uses: Fungicide

ADI: 0–0.06 mg/kg bw (2011)

ARfD: 0.3 mg/kg bw (2011)

Residue: For compliance with the MRL for plant commodities: Isopyrazam (sum of syn-isomer and anti-isomer).

For estimation of dietary exposure for plant commodities: Sum of isopyrazam and 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid [9-(1-hydroxyl-1-methylethyl)-(1RS, 4RS, 9RS)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]amide expressed as isopyrazam.

For compliance with the MRL for estimation of dietary exposure) for animal commodities: Isopyrazam (sum of syn-isomer and anti-isomer).

The residue is fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DF 0226	Apples, dried	3			CXL	2017	50		2018	
FI 0327	Banana	0.06			CXL	2011	44		2012	
GC 0640	Barley	0.6			CXL	2017	50		2018	
AS 0640	Barley, hay and/or straw	15	(dw)		CXL	2017	50		2018	
VR 0577	Carrot	0.15			CXL	2017	50		2018	
VO 2700	Cherry tomato	0.4			CXL	2017	50		2018	
VC 0424	Cucumber	0.06			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	0.02			CXL	2017	50		2018	
VO 2046	Eggplants (subgroup)	0.4			CXL	2017	50		2018	
PE 0112	Eggs	0.01	(*)		CXL	2011	44		2012	
MF 0100	Mammalian fats (except milk fats)	0.03			CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.03	(fat)		CXL	2017	50		2018	
VC 0046	Melons, except watermelon	0.15			CXL	2017	50		2018	
FM 0183	Milk fats	0.02			CXL	2017	50		2018	
ML 0106	Milks	0.01	(*)		CXL	2017	50		2018	
SO 0697	Peanut	0.01			CXL	2017	50		2018	
VO 0445	Peppers, sweet (including pimento or pimienta)	0.09			CXL	2017	50		2018	
FP 0009	Pome fruits (group)	0.4			CXL	2017	50		2018	
PF 0111	Poultry fats	0.01	(*)		CXL	2011	44		2012	
PM 0110	Poultry meat	0.01	(*)		CXL	2011	44		2012	
PO 0111	Poultry, edible offal of	0.01	(*)		CXL	2011	44		2012	
SO 0495	Rape seed	0.2			CXL	2017	50		2018	
GC 0650	Rye	0.03			CXL	2017	50		2018	
AS 0650	Rye straw and fodder, dry	15	(dw)		CXL	2017	50		2018	
VO 0448	Tomato	0.4			CXL	2017	50		2018	
DV 0448	Tomato, dried	5			CXL	2017	50		2018	
GC 0653	Triticale	0.03			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0653	Triticale, hay and/or straw	15	(dw)	CXL	2017	50		2018	
GC	0654	Wheat	0.03		CXL	2017	50		2018	
CM	0654	Wheat bran, unprocessed	0.15		CXL	2011	44		2012	
AS	0654	Wheat, hay and/or straw	15	(dw)	CXL	2017	50		2018	

250 Propylene oxide

Main Uses: Insecticide

ADI: 0-0.04 mg/kg bw (2011)

ARfD: 0.04 mg/kg bw (2011)

Residue: For compliance with MRL for plant commodities: Propylene oxide.

For estimation of dietary exposure for plant commodities: Propylene oxide, propylene chlorohydrin and propylene bromohydrin.

Propylene chlorohydrin and propylene bromohydrin to be considered separately from propylene oxide.

The residue is not fat soluble.

Note: Propylene chlorohydrin

ADI: 0-0.3 mg/kg bw

ARfD: 0.3 mg/kg bw

Propylene bromohydrin

ADI: 0-0.03 mg/kg bw

ARfD: 0.03 mg/kg bw

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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251 Saflufenacil

Main Uses: Herbicide

ADI: 0-0.05 mg/kg bw (2011)

ARfD: Unnecessary (2011)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Saflufenacil.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	0.06		CXL	2016	49		2017	
FI	0327	Banana	0.01		CXL	2011	44		2012	
GC	0640	Barley	1		CXL	2016	49		2017	
CM	0640	Barley bran, unprocessed	3		CXL	2016	49		2017	
AS	0640	Barley, hay and/or straw	10		CXL	2016	49		2017	
GC	0080	Cereal grains (group)	0.01		CXL	2011	44		2012	
FC	0001	Citrus fruits (group)	0.01		CXL	2011	44		2012	
SB	0716	Coffee beans	0.01		CXL	2011	44		2012	
SO	0691	Cotton seed	0.2		CXL	2011	44		2012	
MO	0105	Edible offal (mammalian)	60		CXL	2016	49		2017	
PE	0112	Eggs	0.01	(*)	CXL	2016	49		2017	
FB	0269	Grapes	0.01		CXL	2011	44		2012	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	30		CXL	2016	49		2017	
SO	0693	Linseed	0.6		CXL	2017	50		2018	
AS	0645	Maize fodder (dry)	0.05		CXL	2011	44		2012	
MF	0100	Mammalian fats (except milk fats)	0.05		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.01		CXL	2016	49		2017	
ML	0106	Milks	0.01		CXL	2016	49		2017	
SO	0485	Mustard seed	0.6		CXL	2017	50		2018	
SO	0697	Peanut	0.01	(*)	CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	0.01		CXL	2011	44		2012	
VP	0064	Peas, shelled (succulent seeds)	0.01		CXL	2011	44		2012	
FP	0009	Pome fruits (group)	0.01		CXL	2011	44		2012	
FI	0355	Pomegranate	0.01	(*)	CXL	2016	49		2017	
PF	0111	Poultry fats	0.01	(*)	CXL	2016	49		2017	
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49		2017	
VD	0070	Pulses (group)	0.3		CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0495	Rape seed	0.6		CXL	2011	44		2012	
AS	0651	Sorghum straw and fodder, dry	0.05		CXL	2011	44		2012	
VP	0541	Soya bean (immature seeds)	0.01		CXL	2011	44		2012	
FS	0012	Stone fruits (group)	0.01		CXL	2011	44		2012	
GS	0659	Sugar cane	0.03		CXL	2016	49		2017	
DM	0659	Sugar cane molasses	1		CXL	2016	49		2017	
SO	0702	Sunflower seed	0.7		CXL	2016	49		2017	
GC	0447	Sweet corn	0.01		CXL	2011	44		2012	
TN	0085	Tree nuts (group)	0.01		CXL	2011	44		2012	
GC	0653	Triticale	0.7		CXL	2016	49		2017	
AS	0653	Triticale, hay and/or straw	10		CXL	2016	49		2017	
GC	0654	Wheat	0.7		CXL	2016	49		2017	
AS	0654	Wheat, hay and/or straw	10		CXL	2016	49		2017	

252 Sulfoxaflor

Main Uses: Insecticide

ADI: 0-0.05 mg/kg bw (2011)

ARfD: 0.3 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Sulfoxaflor.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe			CXL	2022	54		2023	
VS	0621	Asparagus			CXL	2021	53		2022	
FI	0326	Avocado			CXL	2021	53		2022	
GC	0640	Barley			CXL	2011	45	44	2013	
AS	0640	Barley, hay and/or straw			CXL	2011	45	44	2013	
VD	0071	Bean (dry)			CXL	2013	46		2014	
VB	0400	Broccoli			CXL	2011	45	44	2013	
FB	2006	Bush berries (subgroup)			CXL	2021	53		2022	
VB	0041	Cabbages, head			CXL	2011	45	44	2013	
FB	2005	Cane berries (subgroup)			CXL	2021	53		2022	
VR	0577	Carrot			CXL	2013	46		2014	
VB	0404	Cauliflower			CXL	2011	45	44	2013	
VS	0624	Celery			CXL	2011	45	44	2013	
FS	0013	Cherries (subgroup)			CXL	2014	47		2015	
SB	0716	Coffee beans			CXL	2021	53		2022	
SO	0691	Cotton seed			CXL	2011	45	44	2013	
MO	0105	Edible offal (mammalian)			CXL	2018	51		2019	
PE	0112	Eggs			CXL	2011	45	44	2013	
FB	0267	Elderberries			CXL	2021	53		2022	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2011	45	44	2013	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except sweet corn and mushrooms)	CXL	2011	45	44	2013	
VA	0381	Garlic			CXL	2011	45	44	2013	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2011	45	44	2013	
FB	0269	Grapes			CXL	2011	45	44	2013	
VL	0053	Leafy vegetables (group)			CXL	2011	45	44	2013	
FC	0002	Lemons and limes (including citron) (subgroup)			CXL	2014	47		2015	
GC	0645	Maize			CXL	2018	51		2019	
AS	0645	Maize fodder (dry)			CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)			CXL	2018	51			2019
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2014	47			2015
FI	0345	Mango			CXL	2021	53			2022
MM	0095	Meat (from mammals other than marine mammals)			CXL	2018	51			2019
ML	0106	Milks			CXL	2018	51			2019
VA	0385	Onion, bulb		(*)	CXL	2011	45	44		2013
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2014	47			2015
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2014	47			2015
HS	0444	Peppers chili, dried			CXL	2011	45	44		2013
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2014	47			2015
FP	0009	Pome fruits (group)			CXL	2014	47			2015
PF	0111	Poultry fats			CXL	2014	47			2015
PM	0110	Poultry meat			CXL	2018	51			2019
PO	0111	Poultry, edible offal of			CXL	2011	45	44		2013
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2014	47			2015
SO	0495	Rape seed			CXL	2011	45	44		2013
GC	0649	Rice			CXL	2018	51			2019
AS	0649	Rice, hay and/or straw			CXL	2018	51			2019
CM	0649	Rice, husked			CXL	2018	51			2019
CM	1205	Rice, polished			CXL	2018	51			2019
VR	0075	Root and tuber vegetables (group)		(except carrots)	CXL	2011	45	44		2013
GC	0651	Sorghum grain			CXL	2018	51			2019
AS	0651	Sorghum straw and fodder, dry			CXL	2018	51			2019
VD	0541	Soya bean (dry)			CXL	2011	45	44		2013
AL	0541	Soya bean, hay and/or straw			CXL	2011	45	44		2013
VA	0389	Spring onion			CXL	2011	45	44		2013
FB	0275	Strawberry			CXL	2011	45	44		2013
SO	2091	Sunflower seeds (subgroup)			CXL	2022	54			2023

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)			CXL	2018	51			2019
TN	0085	Tree nuts (group)			CXL	2018	51			2019
GC	0653	Triticale			CXL	2011	45	44		2013
GC	0654	Wheat			CXL	2011	45	44		2013
AS	0654	Wheat, hay and/or straw			CXL	2011	45	44		2013

253 Penthiopyrad

Main Uses: Fungicide

ADI: 0-0.1 mg/kg bw (2011)

ARfD: 1 mg/kg bw (2011)

Residue: For compliance with MRL for plant commodities: Penthiopyrad.

For compliance with MRL for animal commodities and for the estimation of dietary intake for plant and animal commodities: Sum of penthiopyrad and 1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide (PAM), expressed as penthiopyrad.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	20	(DM)	CXL	2012	46	45	2014	
AM	0660	Almond hulls	6	(DM)	CXL	2012	46	45	2014	
GC	0640	Barley	0.2		CXL	2013	46		2014	
AS	0640	Barley, hay and/or straw	80	(DM)	CXL	2012	46	45	2014	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	3		(green pods and immature seeds) CXL	12	45		2013	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.3		CXL	12	45		2013	
FB	2006	Bush berries (subgroup)	7		CXL	2019	52		2021	
VB	0041	Cabbages, head	4		CXL	2012	46	45	2014	
FB	2005	Cane berries (subgroup)	10		CXL	2019	52		2021	
VR	0577	Carrot	0.6		CXL	12	45		2013	
VS	0624	Celery	15		CXL	2012	45		2013	
AB	1204	Cotton gin trash	20	(DM)	CXL	2012	46	45	2014	
SO	0691	Cotton seed	0.5		CXL	2012	46	45	2014	
MO	0105	Edible offal (mammalian)	0.08		CXL	2013	46		2014	
PE	0112	Eggs	0.03		CXL	2012	46	45	2014	
FB	0267	Elderberries	7		CXL	2019	52		2021	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	5		CXL	2012	45		2013	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	2012	45		2013	
VO	0050	Fruiting vegetables, other than cucurbits (group)	2		(except sweet corn and mushroom) CXL	2012	45		2013	
FB	2254	Guelder rose	7		CXL	2019	52		2021	
VL	0053	Leafy vegetables (group)	30		(except brassica leafy vegetables) CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0645	Maize			CXL	2012	46	45	2014	
CF	1255	Maize flour			CXL	2012	46	45	2014	
AS	0645	Maize fodder (dry)		(DM)	CXL	2012	45		2017	
OC	0645	Maize oil, crude			CXL	2012	46	45	2014	
MF	0100	Mammalian fats (except milk fats)			CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2013	46		2014	
ML	0106	Milks			CXL	2013	46		2014	
GC	0646	Millet			CXL	2012	46	45	2014	
AS	0646	Millet fodder, dry		(DM)	CXL	2012	46	45	2014	
AS	0647	Oat straw and fodder, dry		(DM)	CXL	2012	46	45	2014	
GC	0647	Oats			CXL	2013	46		2014	
VA	0385	Onion, bulb			CXL	2012	45		2013	
VA	0387	Onion, Welsh			CXL	2012	45		2013	
AL	0072	Pea, hay and/or straw		(DM)	CXL	2012	46	45	2014	
SO	0697	Peanut			CXL	2012	46	45	2014	
AL	0697	Peanut fodder		(DM)	CXL	2012	46	45	2014	
OR	0697	Peanut oil, edible			CXL	2012	46	45	2014	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2012	45		2013	
VP	0064	Peas, shelled (succulent seeds)			CXL	2012	45		2013	
HS	0444	Peppers chili, dried			CXL	2012	45		2013	
FP	0009	Pome fruits (group)			CXL	2012	46	45	2014	
VR	0589	Potato			CXL	2012	45		2013	
PF	0111	Poultry fats			CXL	2012	46	45	2014	
PM	0110	Poultry meat			CXL	2012	46	45	2014	
PO	0111	Poultry, edible offal of			CXL	2012	46	45	2014	
VD	0070	Pulses (group)		(except soya beans)	CXL	2012	45		2013	
VR	0494	Radish			CXL	2012	45		2013	
SO	0495	Rape seed			CXL	2012	46	45	2014	
OC	0495	Rape seed oil, crude			CXL	2012	46	45	2014	
OR	0495	Rape seed oil, edible			CXL	2012	46	45	2014	
GC	0650	Rye			CXL	2013	46		2014	
AS	0650	Rye straw and fodder, dry		(DM)	CXL	2012	46	45	2014	
GC	0651	Sorghum grain			CXL	2012	46	45	2014	
AS	0651	Sorghum straw and fodder, dry		(DM)	CXL	2012	46	45	2014	
VD	0541	Soya bean (dry)			CXL	2012	46	45	2014	
AL	0541	Soya bean, hay and/or straw		(DM)	CXL	2012	46	45	2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0389	Spring onion			CXL	2012	45			2013
FS	0012	Stone fruits (group)			CXL	2012	45			2013
FB	0275	Strawberry			CXL	2012	45			2013
VR	0596	Sugar beet			CXL	2012	46	45		2014
SO	0702	Sunflower seed			CXL	2012	46	45		2014
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2012	45			2013
TN	0085	Tree nuts (group)			CXL	2012	45			2013
GC	0653	Triticale			CXL	2013	46			2014
AS	0653	Triticale, hay and/or straw		(DM)	CXL	2012	46	45		2014
VL	0506	Turnip greens			CXL	2012	45			2013
GC	0654	Wheat			CXL	2013	46			2014
CF	0654	Wheat bran, processed			CXL	2012	46	45		2014
CM	0654	Wheat bran, unprocessed			CXL	2013	46			2014
CF	1210	Wheat germ			CXL	2013	46			2014
AS	0654	Wheat, hay and/or straw		(DM)	CXL	2012	46	45		2014

254 Chlorfenapyr

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2012)

ARfD: 0.03 mg/kg bw (2012)

Residue: For compliance with the MRL for plant and animal commodities: Chlorfenapyr.

For dietary risk assessment for plant and animal commodities: Sum of chlorfenapyr plus 10 × 4-bromo-2-(p-chlorophenyl)-5-(trifluoromethyl)-pyrrole-3-carbonitrile (tralopyril).

The residue is fat-soluble.

Note: JMPR (2018) noted that no revision of the ADI or ARfD was necessary. JMPR also concluded that six metabolites identified in residue studies – CL322250 (M-5A), CL325195 (M-5), CL152837 (M-4), CL152832 (M-7A), CL152835 (M-6) and CL325157 (M-6A) – were toxicologically not relevant at currently estimated dietary exposures.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
MO 0105	Edible offal (mammalian)	0.05			CXL	2018	51		2019	
PE 0112	Eggs	0.01			CXL	2018	51		2019	
VA 0381	Garlic	0.01		(*)	CXL	2018	51		2019	
FC 0002	Lemons and limes (including citron) (subgroup)	0.8			CXL	2018	51		2019	
MF 0100	Mammalian fats (except milk fats)	0.6			CXL	2018	51		2019	
MM 0095	Meat (from mammals other than marine mammals)	0.6		(fat)	CXL	2018	51		2019	
VC 0046	Melons, except watermelon	0.4			CXL	2018	51		2019	
ML 0106	Milks	0.03			CXL	2018	51		2019	
VA 0385	Onion, bulb	0.01		(*)	CXL	2018	51		2019	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1.5			CXL	2018	51		2019	
FI 0350	Papaya	0.3			CXL	2018	51		2019	
VO 0051	Peppers (subgroup)	0.3		MRL provisionally applies to okra, martynia, and roselle.	CXL	2018	51		2019	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS 0444	Peppers chili, dried	3			CXL	2018	51		2019	
VR 0589	Potato	0.01		(*)	CXL	2018	51		2019	
PF 0111	Poultry fats	0.02			CXL	2018	51		2019	
PM 0110	Poultry meat	0.02		(fat)	CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of			CXL	2018	51		2019	
VD	0541	Soya bean (dry)			CXL	2018	51		2019	
OC	0541	Soya bean oil, crude			CXL	2018	51		2018	
AL	0541	Soya bean, hay and/or straw			CXL	2018	51		2018	
DT	1114	Tea, green, black (black, fermented and dried)		(DM)	CXL	2018	51		2019	
VO	0448	Tomato			CXL	2018	51		2019	

255 Dinotefuran

Main Uses: Insecticide

ADI: 0-0.2 mg/kg bw (2012)

ARfD: 1 mg/kg bw (2012)

Residue: For compliance with the MRL for plant commodities: Dinotefuran.

For estimation of dietary intake for plant commodities: Sum of dinotefuran, 1-methyl-3-(tetrahydro-3furylmethyl) urea (UF) and 1-methyl-3-(tetrahydro-3furylmethyl)guanidium dihydrogen (DN) expressed as dinotefuran.

For compliance with the MRL and estimation of dietary intake for animal commodities: Sum of dinotefuran, 1-methyl-3-(tetrahydro-3furylmethyl) urea (UF) expressed as dinotefuran. The residue is not fat soluble.

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2			CXL	2012	45		2013	
VS 0624	Celery	0.6			CXL	2012	45		2013	
SO 0691	Cotton seed	0.2			CXL	2012	45		2013	
FB 0265	Cranberry	0.15			CXL	2012	45		2013	
MO 0105	Edible offal (mammalian)	0.1			CXL	2012	45		2013	
PE 0112	Eggs	0.02		(*)	CXL	2012	45		2013	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	2012	45		2013	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.5		(except sweet corn and mushrooms)	CXL	2012	45		2013	Withdrawal recommended by JMPR 2023.
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.5		(except goji berry)	3	2023	55			
VO 2704	Goji berry	0.6			3	2023	55			
DV 2704	Goji berry, dried	2			3	2023	55			
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	3			CXL	2012	45		2013	
FB 0269	Grapes	0.9			CXL	2012	45		2013	
VL 0053	Leafy vegetables (group)	6		(except watercress)	CXL	2012	45		2013	
MM 0095	Meat (from mammals other than marine mammals)	0.1			CXL	2012	45		2013	
ML 0106	Milks	0.1			CXL	2012	45		2013	
FS 0245	Nectarine	0.8			CXL	2012	45		2013	
VA 0385	Onion, bulb	0.1			CXL	2012	45		2013	
FS 0247	Peach	0.8			CXL	2012	45		2013	
HS 0444	Peppers chili, dried	5			CXL	2012	45		2013	
PM 0110	Poultry meat	0.02		(*)	CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO 0111	Poultry, edible offal of	0.02 (*)			CXL	2012	45		2013	
GC 0649	Rice	8			CXL	2012	45		2013	
AS 0649	Rice, hay and/or straw	6			CXL	2012	45		2013	
CM 1205	Rice, polished	0.3			CXL	2012	45		2013	
VA 0389	Spring onion	4			CXL	2012	45		2013	
VL 0473	Watercress	7			CXL	2012	45		2013	

256 Fluxapyroxad

Main Uses: Fungicide

ADI: 0-0.02 mg/kg bw (2012)

ARfD: 0.3 mg/kg bw (2012)

Residue: For compliance with the MRL for plant and animal commodities: Fluxapyroxad.

For estimation of dietary intake) for plant commodities: Sum of fluxapyroxad and 3-(difluoromethyl)- N-(3',4',5'-trifluoro[1,1'- biphenyl]-2-yl)-1H-pyrazole-4-carboxamide (M700F008) and 3-(difluoromethyl)- 1-(β-D-glucopyranosyl)-N-(3',4',5'-trifluorobipheny-2-yl)-1H-pyrazole-4- carboxamide (M700F048) and expressed as parent equivalents.

For estimation of dietary intake) for animal commodities: Sum of fluxapyroxad and 3-(difluoromethyl)- N-(3',4',5'-trifluoro[1,1'- biphenyl]-2-yl)-1H-pyrazole-4-carboxamide (M700F008) expressed as parent equivalents.

The residue is fat soluble.

Note: The JMPR 2018 concluded that the new studies support the existing ADI of 0–0.02 mg/kg bw and have no impact on the ARfD of 0.3 mg/kg bw established in 2012.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 3350	Alfalfa hay	20	(DM)		CXL	2018	51		2019	
FI 0327	Banana	3			CXL	2015	48		2016	
GC 0640	Barley	2			CXL	2012	45		2013	
CF 0640	Barley bran, processed	4			CXL	2012		45	2013	
AS 0640	Barley, hay and/or straw	30			CXL	2012	45		2013	
VD 0071	Bean (dry)	0.3			CXL	2012	45		2013	
VP 0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	2			CXL	2012	45		2013	
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.09			CXL	2012	45		2013	
FB 0018	Berries and other small fruits	7		(except grapes)	CXL	2015	48		2016	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2			CXL	2015	48		2016	
VR 0577	Carrot	1			CXL	2015	48		2016	
VS 0624	Celery	10			CXL	2015	48		2016	
FS 0013	Cherries (subgroup)	3			CXL	2015	48		2016	
VD 0524	Chick-pea (dry)	0.4			CXL	2012	45		2013	
OR 0001	Citrus oil, edible	90			CXL	2019	52		2021	
AB 0001	Citrus pulp, dried	8			CXL	2019	52		2021	
SB 0716	Coffee beans	0.15			CXL	2018	51		2019	
SO 0691	Cotton seed	0.5			CXL	2018	51		2019	
MO 0105	Edible offal (mammalian)	0.1			CXL	2012	45		2013	
PE 0112	Eggs	0.02			CXL	2012	45		2013	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL	2015	48		2016	

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.6		(except sweet corn and mushrooms)	CXL	2012	45		2013	
VA 0381	Garlic	0.6			CXL	2015	48		2016	
AB 0269	Grape pomace, dried	150			CXL	2015	48		2016	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	15			CXL	2015	48		2016	
FB 0269	Grapes	3			CXL	2015	48		2016	
VL 0054	Leaves of Brassicaceae (subgroup)	4			CXL	2015	48		2016	
FC 0002	Lemons and limes (including citron) (subgroup)	1			CXL	2019	52		2021	
VD 0533	Lentil (dry)	0.4			CXL	2012	45		2013	
VL 0482	Lettuce, head	4			CXL	2015	48		2016	
GC 0645	Maize	0.01	(*)		CXL	2012	45		2013	
AS 0645	Maize fodder (dry)	15			CXL	2012	45		2013	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	1			CXL	2019	52		2021	
FI 0345	Mango	0.6			CXL	2018	51		2019	
MM 0095	Meat (from mammals other than marine mammals)	0.2	(fat)		CXL	2012	45		2013	
FM 0183	Milk fats	0.5			CXL	2012	45		2013	
ML 0106	Milks	0.02			CXL	2012	45		2013	
AS 0647	Oat straw and fodder, dry	30			CXL	2012	45		2013	
GC 0647	Oats	2			CXL	2012	45		2013	
SO 0088	Oilseeds and oilfruits (group)	0.8		(except peanut and cotton)	CXL	2012	45		2013	
VA 0385	Onion, bulb	0.6			CXL	2015	48		2016	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1.5			CXL	2019	52		2021	
FI 0350	Papaya	1			CXL	2018	51		2019	
VR 0588	Parsnip	1			CXL	2015	48		2016	
AL 0072	Pea, hay and/or straw	40	(dw)		CXL	2012	45		2013	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	1.5			CXL	2015	48		2016	
SO 0697	Peanut	0.01			CXL	2012	45		2013	
VD 0072	Peas (dry)	0.4			CXL	2012	45		2013	
VP 0063	Peas (pods and succulent=immature seeds)	2			CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0064	Peas, shelled (succulent seeds)			CXL	2012	45		2013	
HS	0444	Peppers chili, dried			CXL	2012	45		2013	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2015	48		2016	
FP	0009	Pome fruits (group)			CXL	2012	45		2013	
VR	0589	Potato			CXL	2018	51		2019	
PF	0111	Poultry fats			CXL	2012	45		2013	
PM	0110	Poultry meat			CXL	2012	45		2013	
PO	0111	Poultry, edible offal of			CXL	2012	45		2013	
DF	0014	Prunes			CXL	2012	45		2013	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2019	52		2021	
VR	0494	Radish			CXL	2015	48		2016	
VL	0494	Radish leaves (including radish tops)			CXL	2015	48		2016	
GC	0649	Rice			CXL	2015	48		2016	
AS	0649	Rice, hay and/or straw	(dw)		CXL	2015	48		2016	
CM	0649	Rice, husked			CXL	2015	48		2016	
CM	1205	Rice, polished			CXL	2015	48		2016	
GC	0650	Rye			CXL	2012	45		2013	
AS	0650	Rye straw and fodder, dry			CXL	2012	45		2013	
VA	0388	Shallot			CXL	2015	48		2016	
GC	0651	Sorghum grain			CXL	2015	48		2016	
AS	0651	Sorghum straw and fodder, dry	(dw)		CXL	2015	48		2016	
VD	0541	Soya bean (dry)			CXL	2012	45		2013	
VP	0541	Soya bean (immature seeds)			CXL	2012	45		2013	
VP	0546	Soya bean (young pod)			CXL	2012	45		2013	
AB	0541	Soya bean hulls			CXL	2012	45		2013	
AL	0541	Soya bean, hay and/or straw	(dw)		CXL	2012	45		2013	
VR	0596	Sugar beet			CXL	2012	45		2013	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2012	45		2013	
TN	0085	Tree nuts (group)			CXL	2015	48		2016	
GC	0653	Triticale			CXL	2012	45		2013	
AS	0653	Triticale, hay and/or straw			CXL	2012	45		2013	
VR	2071	Tuberous and corm vegetables (subgroup)		(except potato)	CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0654	Wheat			CXL	2012	45		2013	
CM	0654	Wheat bran, unprocessed			CXL	2012	45		2013	
AS	0654	Wheat, hay and/or straw			CXL	2012	45		2013	

257 MCPA

Main Uses: Herbicide

ADI: 0-0.1 mg/kg bw (2012)

ARfD: 0.6 mg/kg bw (2012)

Residue: For compliance with the MRL for plant and animal commodities: MCPA.

For estimation of dietary intake for plant commodities: Sum of MCPA, its conjugates and esters, all expressed as MCPA.

For the estimation of dietary intake for animal commodities: Sum of MCPA and its conjugates, expressed as MCPA.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	12	45		2013	
AS	0640	Barley, hay and/or straw			CXL	12	45		2013	
MO	0105	Edible offal (mammalian)			CXL	12	45		2013	
PE	0112	Eggs		(*)	CXL	12	45		2013	
SO	4711	Flax-seed		(*)	CXL	12	45		2013	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			CXL	12	45		2013	
GC	0645	Maize		(*)	CXL	12	45		2013	
AS	0645	Maize fodder (dry)			CXL	12	45		2013	
MF	0100	Mammalian fats (except milk fats)			CXL	12	45		2013	
MM	0095	Meat (from mammals other than marine mammals)			CXL	12	45		2013	
ML	0106	Milks			CXL	12	45		2013	
AS	0647	Oat straw and fodder, dry			CXL	12	45		2013	
GC	0647	Oats			CXL	12	45		2013	
VD	0072	Peas (dry)		(*)	CXL	12	45		2013	
PF	0111	Poultry fats		(*)	CXL	12	45		2013	
PM	0110	Poultry meat		(*)	CXL	12	45		2013	
PO	0111	Poultry, edible offal of		(*)	CXL	12	45		2013	
GC	0650	Rye			CXL	12	45		2013	
AS	0650	Rye straw and fodder, dry			CXL	12	45		2013	
GC	0653	Triticale			CXL	12	45		2013	
AS	0653	Triticale, hay and/or straw			CXL	12	45		2013	
GC	0654	Wheat			CXL	12	45		2013	
AS	0654	Wheat, hay and/or straw			CXL	12	45		2013	

258 Picoxystrobin

Main Uses: Fungicide

ADI: 0-0.09 mg/kg bw (2012)

ARfD: 0.09 mg/kg bw (2012)

Residue: For compliance with the MRL and for estimation of dietary exposure for animal and plant commodities: Picoxystrobin.

The residue is fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	10	(dw)	CXL	2019	52		2021	
GC	0640	Barley	0.3		CXL	2017	50		2018	
AS	0640	Barley, hay and/or straw	7	(dw)	CXL	2017	50		2018	
SB	0716	Coffee beans	0.04		CXL	2019	52		2021	
SO	0691	Cotton seed	2		CXL	2019	52		2021	
VD	2065	Dry beans (subgroup)	0.06		CXL	2017	50		2018	
VD	2066	Dry peas (subgroup)	0.06		CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)	0.02		CXL	2019	52		2021	
PE	0112	Eggs	0.01	(*)	CXL	2017	50		2018	
GC	0645	Maize	0.015		CXL	2017	50		2018	
AS	0645	Maize fodder (dry)	20	(dw)	CXL	2017	50		2018	
OR	0645	Maize oil, edible	0.15		CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.02		CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(fat)	CXL	2019	52		2021	
ML	0106	Milks	0.01	(*)	CXL	2019	52		2021	
AS	0647	Oat straw and fodder, dry	7	(dw)	CXL	2017	50		2018	
GC	0647	Oats	0.3		CXL	2017	50		2018	
AL	0072	Pea, hay and/or straw	150	(dw)	CXL	2017	50		2018	
GC	0656	Popcorn	0.015		CXL	2017	50		2018	
PF	0111	Poultry fats	0.01		CXL	2017	50		2018	
PM	0110	Poultry meat	0.01	(*)	CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2017	50		2018	
GC	0650	Rye	0.04		CXL	2017	50		2018	
AS	0650	Rye straw and fodder, dry	7	(dw)	CXL	2017	50		2018	
GC	0651	Sorghum grain	0.02		CXL	2019	52		2021	
AS	0651	Sorghum straw and fodder, dry	1	(dw)	CXL	2019	52		2021	
OR	0541	Soya bean oil, refined	0.2		CXL	2017	50		2018	
AL	0541	Soya bean, hay and/or straw	5	(dw)	CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2017	50		2018	
DT	1114	Tea, green, black (black, fermented and dried)	15		CXL	2019	52		2021	
GC	0653	Triticale	0.04		CXL	2017	50		2018	
AS	0653	Triticale, hay and/or straw	7	(dw)	CXL	2017	50		2018	
GC	0654	Wheat	0.04		CXL	2017	50		2018	
CF	0654	Wheat bran, processed	0.15		CXL	2017	50		2018	
CF	1210	Wheat germ	0.15		CXL	2017	50		2018	
AS	0654	Wheat, hay and/or straw	7	(dw)	CXL	2017	50		2018	

259 Sedaxane

Main Uses: Fungicide

ADI: 0-0.1 mg/kg bw (2012)

ARfD: 0.3 mg/kg bw (2012)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Sedaxane.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	0061	Bean, hay and/or straw	0.01	(*)	CXL	2014	47		2015	
GC	0080	Cereal grains (group)	0.01	(*)	CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2012	45		2013	
PE	0112	Eggs	0.01	(*)	CXL	2012	45		2013	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2012	45		2013	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)	CXL	2012	45		2013	
FM	0183	Milk fats	0.01	(*)	CXL	2012	45		2013	
ML	0106	Milks	0.01	(*)	CXL	2012	45		2013	
AL	0072	Pea, hay and/or straw	0.01	(*)	CXL	2014	47		2015	
VR	0589	Potato	0.02		CXL	2014	47		2015	
PF	0111	Poultry fats	0.01	(*)	CXL	2012	45		2013	
PM	0110	Poultry meat	0.01	(*)	CXL	2012	45		2013	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2012	45		2013	
VD	0070	Pulses (group)	0.01	(*)	CXL	2014	47		2015	
SO	0495	Rape seed	0.01	(*)	CXL	2012	45		2013	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	0.1		CXL	2014	47		2015	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	2014	47		2015	

260 Ametoctradin

Main Uses: Fungicide

ADI: Unnecessary (2012)

ARfD: Unnecessary (2012)

Residue: For compliance with the MRL for plant commodities: Ametoctradin.

For compliance with the MRL for animal commodities: Sum of ametoctradin, M650F01 and M650F06, expressed as Ametoctradin.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	9		CXL	12	45		2013	
VS	0624	Celery	20		CXL	12	45		2013	
VC	0424	Cucumber	0.4		CXL	12	45		2013	
PE	0112	Eggs	0.03 (*)		CXL	12	45		2013	
VC	0045	Fruiting vegetables, cucurbits (group)	3	(except cucumber)	CXL	12	45		2013	
VO	0050	Fruiting vegetables, other than cucurbits (group)	1.5	(except sweet corn and mushroom)	CXL	12	45		2013	
VA	0381	Garlic	1.5		CXL	12	45		2013	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	20		CXL	12	45		2013	
FB	0269	Grapes	6		CXL	12	45		2013	
DH	1100	Hops, dry	30		CXL	12	45		2013	
VL	0053	Leafy vegetables (group)	50		CXL	12	45		2013	
VA	0385	Onion, bulb	1.5		CXL	12	45		2013	
HS	0444	Peppers chili, dried	15		CXL	12	45		2013	
VR	0589	Potato	0.05		CXL	12	45		2013	
PF	0111	Poultry fats	0.03 (*)		CXL	12	45		2013	
PM	0110	Poultry meat	0.03 (*)		CXL	12	45		2013	
PO	0111	Poultry, edible offal of	0.03 (*)		CXL	12	45		2013	
VA	0388	Shallot	1.5		CXL	12	45		2013	
VA	0389	Spring onion	20		CXL	12	45		2013	

261 Benzovindiflupyr

Main Uses: Fungicide

ADI: 0–0.05 mg/kg bw (2013)

ARfD: 0.1 mg/kg bw (2013)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Benzovindiflupyr.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	1		CXL	2016	49		2017	
AS	0640	Barley, hay and/or straw	15	(dw)	CXL	2016	49		2017	
FB	0020	Blueberries	2		CXL	2022	54		2023	
VA	2031	Bulb onions (subgroup)	0.02		CXL	2019	52		2021	
SB	0716	Coffee beans	0.15		CXL	2016	49		2017	
VD	2065	Dry beans (subgroup)	0.15	(except soya bean, dry)	CXL	2018	51		2019	
VD	2066	Dry peas (subgroup)	0.2		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.1		CXL	2016	49		2017	
PE	0112	Eggs	0.01	(*)	CXL	2016	49		2017	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	2016	49		2017	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.9		CXL	2016	49		2017	
DV	0604	Ginseng, dried including red ginseng	0.3		CXL	2022	54		2023	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	3		CXL	2016	49		2017	
FB	0269	Grapes	1		CXL	2016	49		2017	
GC	0645	Maize	0.02		CXL	2022	54		2023	
AS	3558	Maize, stover	7	(dw)	CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)	0.03		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.03	F	CXL	2016	49		2017	
ML	0106	Milks	0.01	(*)	CXL	2016	49		2017	
AS	0647	Oat straw and fodder, dry	15	(dw)	CXL	2016	49		2017	
GC	0647	Oats	1		CXL	2016	49		2017	
AL	0072	Pea, hay and/or straw	8	(dw)	CXL	2016	49		2017	
SO	0697	Peanut	0.04		CXL	2016	49		2017	
AL	0697	Peanut fodder	15	(dw)	CXL	2016	49		2017	
HS	0444	Peppers chili, dried	9		CXL	2016	49		2017	
FP	0009	Pome fruits (group)	0.2		CXL	2016	49		2017	
GC	0656	Popcorn	0.02		CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0656	Popcorn, stover	7	(dw)	CXL	2022	54		2023	
VR	0589	Potato	0.02		CXL	2016	49		2017	
PF	0111	Poultry fats	0.01	(*)	CXL	2016	49		2017	
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49		2017	
SO	0495	Rape seed	0.2		CXL	2016	49		2017	
GC	0650	Rye	0.1		CXL	2016	49		2017	
AS	0650	Rye straw and fodder, dry	15	(dw)	CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.08		CXL	2016	49		2017	
GS	0659	Sugar cane	0.4		CXL	2019	52		2021	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	2016	49		2017	
GC	0653	Triticale	0.1		CXL	2016	49		2017	
AS	0653	Triticale, hay and/or straw	15	(dw)	CXL	2016	49		2017	
GC	0654	Wheat	0.1		CXL	2016	49		2017	
AS	0654	Wheat, hay and/or straw	15	(dw)	CXL	2016	49		2017	

262 Bixafen

Main Uses: Fungicide

ADI: 0–0.02 mg/kg bw (2013)

ARfD: 0.2 mg/kg bw (2013)

Residue: For compliance with MRLs for plant commodities: Bixafen.

For compliance with MRLs for animal commodities and for dietary risk assessment for plant and animal commodities: Sum of bixafen and N-(3',4'-dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1H-pyrazole-4-carboxamide (bixafen-desmethyl), expressed as bixafen.

The residue is fat soluble.

Note: The currently available information on residues in rotational crops was not sufficient to make recommendations on maximum residue levels in plant and animal commodities.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	1.5		CXL	2021	53		2022	
AS	0640	Barley, hay and/or straw	20	(dw)	CXL	2016	49		2017	
SO	0691	Cotton seed	0.3		CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)	4		CXL	2016	49		2017	
PE	0112	Eggs	0.05		CXL	2016	49		2017	
GC	0645	Maize	0.01	(*)	CXL	2021	53		2022	
AS	3490	Maize bran, unprocessed	0.03		CXL	2021	53		2022	
OR	0645	Maize oil, edible	0.02		CXL	2021	53		2022	
AS	3557	Maize, hay and/or straw	5	(dw)	CXL	2021	53		2022	
MF	0100	Mammalian fats (except milk fats)	2		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)	CXL	2016	49		2017	
FM	0183	Milk fats	5		CXL	2016	49		2017	
ML	0106	Milks	0.2		CXL	2016	49		2017	
AS	0647	Oat straw and fodder, dry	20	(dw)	CXL	2016	49		2017	
GC	0647	Oats	0.4		CXL	2016	49		2017	
SO	0697	Peanut	0.01	(*)	CXL	2021	53		2022	
OR	0697	Peanut oil, edible	0.03		CXL	2021	53		2022	
PF	0111	Poultry fats	0.05		CXL	2016	49		2017	
PM	0110	Poultry meat	0.02	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.05		CXL	2016	49		2017	
VD	0070	Pulses (group)	0.04		CXL	2021	53		2022	
										(except soya bean (dry)) (based on rotational crops)
SO	0495	Rape seed	0.04		CXL	2016	49		2017	
OR	0495	Rape seed oil, edible	0.08		CXL	2016	49		2017	
VR	0075	Root and tuber vegetables (group)	0.06		CXL	2021	53		2022	
										(based on rotational crops)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0650	Rye			CXL	2016	49		2017	
AS	0650	Rye straw and fodder, dry		(dw)	CXL	2016	49		2017	
GC	0651	Sorghum grain			CXL	2021	53		2022	
VD	0541	Soya bean (dry)			CXL	2021	53		2022	
OR	0541	Soya bean oil, refined			CXL	2021	53		2022	
AL	3538	Soya bean, hulls			CXL	2021	53		2022	
SO	0702	Sunflower seed			CXL	2021	53		2022	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)		(*)	CXL	2021	53		2022	
GC	0653	Triticale			CXL	2016	49		2017	
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2016	49		2017	
GC	0654	Wheat			CXL	2021	53		2022	
CF	0654	Wheat bran, processed			CXL	2021	53		2022	
CM	0654	Wheat bran, unprocessed			CXL	2016	49		2017	
AS	0654	Wheat, hay and/or straw		(dw)	CXL	2016	49		2017	

263 Cyantraniliprole

Main Uses: Acaricide

ADI: 0–0.03 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL for plant and animal commodities: Cyantraniliprole.

For dietary risk assessment for unprocessed plant commodities: Cyantraniliprole. For dietary risk assessment for processed plant commodities: Sum of cyantraniliprole and IN-J9Z38, expressed as cyantraniliprole.

For dietary risk assessment for animal commodities: Sum of cyantraniliprole, 2-[3-Bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]-3,4-dihydro-3,8-dimethyl-4-oxo-6-quinazolinecarbonitrile [IN-J9Z38], 2-[3-Bromo-1-(3-chloro-2-pyridinyl)-1Hpyrazol-5-yl]-1,4-dihydro-8-methyl-4-oxo-6-quinazolinecarbonitrile [IN-MLA84], 3-Bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-(hydroxymethyl)-6-[(methylamino)carbonyl]phenyl]-1H-pyrazole-5-carboxamide [IN- N7B69] and 3-Bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2[[[(hydroxymethyl)amino]carbonyl]-6-methylphenyl]-1H-pyrazole-5-carboxamide [IN- MYX98], expressed as cyantraniliprole.

The residue is not fat-soluble.

Note: Metabolites IN-K5A78, IN-F6L99, and IN-N5M09 are assessed using Cramer Class III threshold of 1.5 µg/kg per day.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0326	Avocado	0.4			3	2023	55			
VD 0071	Bean (dry)	0.3			CXL	2015	48		2016	Withdrawal recommended by JMPR (2023).
AL 0061	Bean, hay and/or straw	40	(DM)		CXL	2015	48		2016	(DM) = dry matter
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.3			CXL	2015	48		2016	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2			CXL	2013	46		2014	
FB 2006	Bush berries (subgroup)	4			CXL	2013	46		2014	
FB 2005	Cane berries (subgroup)	4			3	2023	55			
VS 0624	Celery	15			CXL	2013	46		2014	
FS 0013	Cherries (subgroup)	6			CXL	2013	46		2014	
FC 0001	Citrus fruits (group)	0.7			CXL	2015	48		2016	
OR 0001	Citrus oil, edible	4.5			CXL	2015	48		2016	
SB 0716	Coffee beans	0.05			CXL	2015	48		2016	
VP 0526	Common bean (pods and/or immature seeds)	1.5			CXL	2015	48		2016	
SO 0691	Cotton seed	1.5			CXL	2015	48		2016	
FB 0265	Cranberry	0.08			CXL	2018	51		2019	
VD 2065	Dry beans (subgroup)	0.6			3	2023	55			
VD 2066	Dry peas (subgroup)	0.6			3	2023	55			
MO 0105	Edible offal (mammalian)	1.5			CXL	2015	48		2016	
PE 0112	Eggs	0.15			CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs			3	2023	55			
AM	1051	Fodder beet			CXL	2013	46		2014	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2018	51		2019	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except mushrooms & sweet corn)	CXL	2013	46		2014	
VA	0381	Garlic			CXL	2013	46		2014	
AB	0269	Grape pomace, dried			3	2023	55			
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			3	2023	55			
FB	0269	Grapes			3	2023	55			
VL	0053	Leafy vegetables (group)		(except Lettuce, Head)	CXL	2013	46		2014	
AL	0157	Legume animal feeds	0.8	(dw)	CXL	2013	46		2014	
VL	0482	Lettuce, head	5		CXL	2013	46		2014	
GC	0645	Maize	0.01	(*)	CXL	2015	48		2016	
MF	0100	Mammalian fats (except milk fats)	0.5		CXL	2015	48		2016	
FI	0345	Mango	0.7		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.2		CXL	2015	48		2016	
ML	0106	Milks	0.6		CXL	2015	48		2016	
SO	0305	Olives for oil production	1		3	2023	55			
VA	0385	Onion, bulb	0.05		CXL	2013	46		2014	
VA	0387	Onion, Welsh	8		CXL	2013	46		2014	
AL	0072	Pea, hay and/or straw	60	(DM)	CXL	2015	48		2016	
FS	0247	Peach	1.5		CXL	2013	46		2014	
VP	0063	Peas (pods and succulent=immature seeds)	2		CXL	2015	48		2016	
VP	0064	Peas, shelled (succulent seeds)	0.3		CXL	2015	48		2016	
HS	0444	Peppers chili, dried	5		CXL	2013	46		2014	
FS	0014	Plums (including fresh prunes) (subgroup)	0.5		CXL	2013	46		2014	
FP	0009	Pome fruits (group)	0.8		CXL	2013	46		2014	
FI	0355	Pomegranate	0.01	(*)	CXL	2015	48		2016	
VR	0589	Potato	0.05		CXL	2013	46		2014	
PF	0111	Poultry fats	0.04		CXL	2015	48		2016	
PM	0110	Poultry meat	0.02		CXL	2015	48		2016	
PO	0111	Poultry, edible offal of	0.15		CXL	2015	48		2016	
DF	0014	Prunes	0.8		CXL	2013	46		2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0495	Rape seed	0.8		CXL	2015	48		2016	
AS	0649	Rice, hay and/or straw	1.7	(dw)	CXL	2018	51		2019	
CM	0649	Rice, husked	0.01	(*)	CXL	2018	51		2019	
CM	1205	Rice, polished	0.01	(*)	CXL	2018	51		2019	
VR	0075	Root and tuber vegetables (group)	0.05		(except potato) CXL	2013	46		2014	
VA	0388	Shallot	0.05		CXL	2013	46		2014	
VD	0541	Soya bean (dry)	0.4		CXL	2015	48		2016	Withdrawal recommended by JMPR (2023).
VP	0541	Soya bean (immature seeds)	0.3		CXL	2015	48		2016	
AL	0541	Soya bean, hay and/or straw	80	(DM)	CXL	2015	48		2016	
VA	0389	Spring onion	8		CXL	2013	46		2014	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	0.2	(dw)	CXL	2013	46		2014	
FB	0275	Strawberry	1.5		CXL	2018	51		2019	
SO	0702	Sunflower seed	0.5		CXL	2015	48		2016	
FT	0305	Table olives	1		3	2023	55			
DT	1114	Tea, green, black (black, fermented and dried)	50		3	2023	55			
TN	0085	Tree nuts (group)	0.04		CXL	2015	48		2016	
AM	0506	Turnip fodder	0.02		CXL	2013	46		2014	
FB	1236	Wine-grapes	1		CXL	2018	51		2019	Withdrawal recommended by JMPR (2023).

264 Fenamidone

Main Uses: Fungicide

ADI: 0–0.03 mg/kg bw (2013)

ARfD: 1 mg/kg bw (2013)

Residue: For compliance with the MRL for plant and animal commodities: Fenamidone.

For estimation of dietary intake) for plant commodities: Sum of fenamidone, (S)-5-methyl-5-phenyl-3-(phenylamino)- 2,4-imidazolidine-dione (RPA 410193), plus 10 x the sum of both (S)-5-methyl-5-phenyl-2,4-imidazolidine-dione (RPA 412636) and (5S)-5-methyl-2-(methylthio)-5-phenyl-3,5-dihydro- 4H-imidazol-4-one (RPA 412708), all calculated as fenamidone.

Residue concentration Ctotal = Cfenamidone + C RPA 410193 + 10 (CRPA 412636 + CRPA 412708).

For the estimation of dietary intake for animal commodities: Sum of fenamidone plus 10 the sum of both (S)-5-methyl-5-phenyl-2,4-imidazolidine-dione (RPA 412636) and (5S)-5-methyl-2-(methylthio)-5-phenyl-3,5-dihydro- 4H-imidazol-4-one (RPA 412708), all calculated as fenamidone. Residue concentration Ctotal = Cfenamidone + 10 (CRPA 412636 + CRPA 412708).

The residue is fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VP 0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.8			CXL	2014	47		2015	
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.15			CXL	2014	47		2015	
VB 0041	Cabbages, head	0.9			CXL	2014	47		2015	
VR 0577	Carrot	0.2			CXL	2014	47		2015	
VS 0624	Celery	40			CXL	2014	47		2015	
SO 0691	Cotton seed	0.02 (*)			CXL	2014	47		2015	
MO 0105	Edible offal (mammalian)	0.01 (*)			CXL	2014	47		2015	
PE 0112	Eggs	0.01 (*)			CXL	2014	47		2015	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	4			CXL	2014	47		2015	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL	2014	47		2015	
VO 0050	Fruiting vegetables, other than cucurbits (group)	1.5		(except chilli pepper, fungi, sweet corn)	CXL	2014	47		2015	
VA 0381	Garlic	0.15			CXL	2014	47		2015	
FB 0269	Grapes	0.6			CXL	2014	47		2015	
VA 0384	Leek	0.3			CXL	2014	47		2015	
VL 0482	Lettuce, head	20			CXL	2014	47		2015	
VL 0483	Lettuce, leaf	0.9			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)	CXL	2014	47		2015	
FM	0183	Milk fats	0.02		CXL	2014	47		2015	
ML	0106	Milks	0.01	(*)	CXL	2014	47		2015	
VA	0385	Onion, bulb	0.15		CXL	2014	47		2015	
VA	0387	Onion, Welsh	3		CXL	2014	47		2015	
VO	0444	Peppers chili	4		CXL	2014	47		2015	
HS	0444	Peppers chili, dried	30		CXL	2014	47		2015	
VR	0589	Potato	0.02	(*)	CXL	2014	47		2015	
PF	0111	Poultry fats	0.01	(*)	CXL	2014	47		2015	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2014	47		2015	
VA	0388	Shallot	0.15		CXL	2014	47		2015	
VA	0389	Spring onion	3		CXL	2014	47		2015	
FB	0275	Strawberry	0.04		CXL	2014	47		2015	
SO	0702	Sunflower seed	0.02	(*)	CXL	2014	47		2015	
CP	0448	Tomato ketchup	3		CXL	2014	47		2015	Tentative code
VW	0448	Tomato paste	4		CXL	2014	47		2015	
VL	2832	Witloof chicory (sprouts)	0.01	(*)	CXL	2014	47		2015	

265 Fluensulfone

Main Uses: Nematocide

ADI: 0–0.01 mg/kg bw (2013)

ARfD: 0.3 mg/kg bw (2013)

Residue: For compliance with MRLs) for plant commodities: Sum of fluensulfone and 3,4,4-trifluorobut-3-ene-1-sulfonic acid (BSA), expressed as fluensulfone equivalents.

For estimation of dietary exposure) for plant commodities: Fluensulfone.

For compliance with MRLs and for estimation of dietary exposure) for animal commodities: Fluensulfone.

The residue is fat-soluble.

Note: (R): Indicates a maximum residue level relating to rotational crops.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	7 (dw)			CXL	2019	52		2021	
JF 0226	Apple juice	0.4			CXL	2019, 2021	52, 53		2022	
DF 0226	Apples, dried	1			CXL	2019, 2021	52, 53		2022	
GC 2087	Barley, similar grains, and pseudocereals with husks (subgroup)	0.08			CXL	2019	52		2021	
VR 0574	Beetroot	4			CXL	2016	49		2017	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	1.5			CXL	2016	49		2017	
VR 0577	Carrot	4			CXL	2016	49		2017	
VR 0578	Celeriac	4			CXL	2016	49		2017	
VS 0624	Celery	2			CXL	2016	49		2017	
VR 0579	Chervil, turnip-rooted	4			CXL	2016	49		2017	
FC 0001	Citrus fruits (group)	0.2			CXL	2019	52		2021	
OR 0001	Citrus oil, edible	1.5			CXL	2019	52		2021	
AB 0001	Citrus pulp, dried	1.5			CXL	2019	52		2021	
SB 0716	Coffee beans	0.05			CXL	2019	52		2021	
VC 0424	Cucumber	0.7			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.01 (*)			CXL	2016	49		2017	
PE 0112	Eggs	0.01 (*)			CXL	2016	49		2017	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.7		(except sweetcorn and mushroom)	CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	2			CXL	2019	52		2021	
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	15		(except maize fodder and rice straw and fodder, dry)	CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0583	Horseradish			CXL	2016	49			2017
VL	0481	Komatsuna			CXL	2016	49			2017
VL	0053	Leafy vegetables (group)		(not specified elsewhere) (R)	CXL	2016	49			2017
VP	0060	Legume vegetables (group)		(R)	CXL	2016	49			2017
VL	0482	Lettuce, head			CXL	2016	49			2017
FB	2009	Low growing berries (subgroup)			CXL	2016	49			2017
GC	2091	Maize cereals (subgroup)			CXL	2019	52			2021
AS	0645	Maize fodder (dry)	0.6	(dw)	CXL	2019	52			2021
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2016	49			2017
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*) (fat)	CXL	2016	49			2017
VC	0046	Melons, except watermelon	0.3		CXL	2016	49			2017
ML	0106	Milks	0.01	(*)	CXL	2016	49			2017
VL	0485	Mustard greens	20		CXL	2016	49			2017
VR	0588	Parsnip	4		CXL	2016	49			2017
HS	0444	Peppers chili, dried	7		CXL	2016	49			2017
FP	0009	Pome fruits (group)	0.3		CXL	2021	53			2022
				(except persimmon, Japanese)						
VR	0589	Potato	0.8		CXL	2016	49			2017
DV	0589	Potato, flakes/granules	2		CXL	2016	49			2017
PF	0111	Poultry fats	0.01		CXL	2016	49			2017
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49			2017
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49			2017
DF	0014	Prunes	0.3		CXL	2019	52			2021
VR	0494	Radish	4		CXL	2016	49			2017
VL	0494	Radish leaves (including radish tops)	50		CXL	2016	49			2017
VR	0591	Radish, Japanese	4		CXL	2016	49			2017
GC	2088	Rice cereals (subgroup)	0.04		CXL	2019	52			2021
AS	0649	Rice, hay and/or straw	0.06	(dw)	CXL	2019	52			2021
VR	0075	Root and tuber vegetables (group)	3		CXL	2016	49			2017
				(not specified elsewhere) (R)						
FB	2008	Small fruit vine climbing (subgroup)	0.7		CXL	2019	52			2021
GC	2089	Sorghum grain and millet (subgroup)	0.04		CXL	2019	52			2021
VL	0502	Spinach	4		CXL	2016	49			2017
VC	0431	Squash, summer	0.7		CXL	2016	49			2017

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0012	Stone fruits (group)			CXL	2019	52		2021	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	(dw)	(except maize fodder and rice straw and fodder dry)	CXL	2019	52		2021	
GS	0659	Sugar cane			CXL	2019	52		2021	
DM	0659	Sugar cane molasses			CXL	2019	52		2021	
VR	0497	Swede			CXL	2016	49		2017	
GC	2090	Sweet corns (subgroup)			CXL	2019	52		2021	
VR	0508	Sweet potato			CXL	2016	49		2017	
VW	0448	Tomato paste			CXL	2016	49		2017	
DV	0448	Tomato, dried			CXL	2016	49		2017	
TN	0085	Tree nuts (group)	0.025	(*)	CXL	2019	52		2021	
VL	0506	Turnip greens	10		CXL	2016	49		2017	
VR	0506	Turnip, Garden	4		CXL	2016	49		2017	
VC	0432	Watermelon	0.3		CXL	2016	49		2017	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)	0.08		CXL	2019	52		2021	

266 Imazapic

Main Uses: Herbicide

ADI: 0–0.7 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Imazapic.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	1		CXL	2013	46		2014	
PE	0112	Eggs	0.01	(*)	CXL	2013	46		2014	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	3		CXL	2013	46		2014	
GC	0645	Maize	0.01	(*)	CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)	0.1		CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.1		CXL	2013	46		2014	
ML	0106	Milks	0.1		CXL	2013	46		2014	
SO	0697	Peanut	0.05	(*)	CXL	2013	46		2014	
PF	0111	Poultry fats	0.01	(*)	CXL	2013	46		2014	
PM	0110	Poultry meat	0.01	(*)	CXL	2013	46		2014	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2013	46		2014	
SO	0495	Rape seed	0.05	(*)	CXL	2013	46		2014	
GC	0649	Rice	0.05	(*)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)	0.5		CXL	2015	48		2016	
GS	0659	Sugar cane	0.01	(*)	CXL	2013	46		2014	
GC	0654	Wheat	0.05	(*)	CXL	2013	46		2014	
AS	0654	Wheat, hay and/or straw	0.05	(*)	CXL	2013	46		2014	

267 Imazapyr

Main Uses: Herbicide

ADI: 0–3 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: Imazapyr.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.7			CXL	2017	50		2018	
AS 0640	Barley, hay and/or straw	0.05		(dw)	CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	0.2			CXL	2015	48		2016	
PE 0112	Eggs	0.01		(*)	CXL	2013	46		2014	
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	6			CXL	2015	48		2016	
VD 0533	Lentil (dry)	0.3			CXL	2013	46		2014	
GC 0645	Maize	0.05		(*)	CXL	2013	46		2014	
MF 0100	Mammalian fats (except milk fats)	0.05		(*)	CXL	2013	46		2014	
MM 0095	Meat (from mammals other than marine mammals)	0.05		(*)	CXL	2013	46		2014	
ML 0106	Milks	0.01		(*)	CXL	2013	46		2014	
PF 0111	Poultry fats	0.01		(*)	CXL	2013	46		2014	
PM 0110	Poultry meat	0.01		(*)	CXL	2013	46		2014	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	2013	46		2014	
SO 0495	Rape seed	0.05		(*)	CXL	2013	46		2014	
GC 0649	Rice	0.06			3	2023	55			
CM 1206	Rice bran, unprocessed	0.2			3	2023	55			
AS 0649	Rice, hay and/or straw	0.015			3	2023	55			
CM 0649	Rice, husked	0.07			3	2023	55			
CM 1205	Rice, polished	0.05			3	2023	55			
VD 0541	Soya bean (dry)	5			CXL	2015	48		2016	
SO 0702	Sunflower seed	0.08			CXL	2013	46		2014	
GC 0654	Wheat	0.05		(*)	CXL	2013	46		2014	
GC 0654	Wheat	0.6			3	2023	55			
CM 0654	Wheat bran, unprocessed	1			3	2023	55			
CF 1210	Wheat germ	1			3	2023	55			
AS 0654	Wheat, hay and/or straw	0.05		(*)	CXL	2013	46		2014	
AS 0654	Wheat, hay and/or straw	1		(dw)	3	2023	55			

268 Isoxaflutole

Main Uses: Herbicide

ADI: 0–0.02 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Sum of isoxaflutole and isoxaflutole diketonitrile, expressed as isoxaflutole.

For compliance with the MRL for animal commodities: Sum of isoxaflutole and isoxaflutole diketonitrile, expressed as isoxaflutole.

For dietary risk assessment for animal commodities: Sum of isoxaflutole, isoxaflutole diketonitrile, RPA 205834 (2-aminomethylene-l-cyclopropyl-3-(2-mesyl-4-trifluoromethylphenyl)-propane-1,3-dione) and RPA 207048 (1-cyclopropyl-2-hydroxymethylene-3-(2-mesyl-4-trifluoromethylphenyl)-propane-1,3-dione), including their conjugates, expressed as isoxaflutole.

The residue not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0524 Chick-pea (dry)	0.01 (*)			CXL	2013	46		2014	
AL	0524 Chick-pea fodder	0.01 (*)			CXL	2013	46		2014	
MO	0105 Edible offal (mammalian)	0.1			CXL	2013	46		2014	
PE	0112 Eggs	0.01 (*)			CXL	2013	46		2014	
GC	0645 Maize	0.02 (*)			CXL	2013	46		2014	
AS	0645 Maize fodder (dry)	0.02 (*)			CXL	2013	46		2014	
MF	0100 Mammalian fats (except milk fats)	0.01 (*)			CXL	2013	46		2014	
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2013	46		2014	
ML	0106 Milks	0.01 (*)			CXL	2013	46		2014	
SO	0698 Poppy seed	0.02 (*)			CXL	2013			2014	
PF	0111 Poultry fats	0.01 (*)			CXL	2013	46		2014	
PM	0110 Poultry meat	0.01 (*)			CXL	2013			2014	
PO	0111 Poultry, edible offal of	0.2			CXL	2013	46		2014	
VD	0541 Soya bean (dry)	0.04			CXL	2021	53		2022	
GS	0659 Sugar cane	0.01 (*)			CXL	2013	46		2014	
AM	0659 Sugar cane fodder	0.01 (*)			CXL	2013	46		2014	
VO	0447 Sweet corn (corn-on-the-cob)	0.02 (*)			CXL	2013	46		2014	

269 Tolfenpyrad

Main Uses: Insecticide

ADI: 0–0.006 mg/kg bw (2013)

ARfD: 0.01 mg/kg bw (2013)

Residue: For compliance with the MRL and estimation of dietary intake for plant commodities: Tolfenpyrad.

For compliance with the MRL and estimation of dietary intake) for animal commodities: Sum of tolfenpyrad, and free and conjugated PT-CA (4-[4-[(4-chloro-3-ethyl-1-methylpyrazol-5-yl)carbonylamino]methyl]phenoxy]benzoic acid_and OH-PT-CA (4-[4-[[4-chloro-3(1-hydroxyethyl)-1-methylpyrazol-5-yl]carbonylamino]methyl]phenoxy] benzoic acid) (released with alkaline hydrolysis) expressed as tolfenpyrad.

The residue is not fat soluble.

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VA 2031	Bulb onions (subgroup)	0.09			CXL	2019	52		2021	
OR 0001	Citrus oil, edible	80			CXL	2019	52		2021	
AB 0001	Citrus pulp, dried	6			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.4			CXL	2019	52		2021	
PE 0112	Eggs	0.01		(*)	CXL	2019	52		2021	
FC 0002	Lemons and limes (including citron) (subgroup)	0.9			CXL	2019	52		2021	
MF 0100	Mammalian fats (except milk fats)	0.01		(*)	CXL	2019	52		2021	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.9			CXL	2019	52		2021	
MM 0095	Meat (from mammals other than marine mammals)	0.01		(*)	CXL	2019	52		2021	
ML 0106	Milks	0.01		(*)	CXL	2019	52		2021	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.6			CXL	2019	52		2021	
TN 0672	Pecan	0.01		(*)	CXL	2016	49		2017	
VO 0051	Peppers (subgroup)	0.5			CXL	2019	52		2021	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS 0444	Peppers chili, dried	5			CXL	2019	52		2021	
VR 0589	Potato	0.01		(*)	CXL	2016	49		2017	
PF 0111	Poultry fats	0.01		(*)	CXL	2019	52		2021	
PM 0110	Poultry meat	0.01		(*)	CXL	2019	52		2021	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.6		CXL	2019	52		2021	
DT	1116	Tea, green	30		CXL	2013	46		2014	

270 Triflumizole

Main Uses: Fungicide

ADI: 0–0.04 mg/kg bw (2013)

ARfD: 0.3 mg/kg bw (2013)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Residues analysed as 4-chloro-2-(trifluoromethyl)aniline and expressed as parent triflumizole.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0013	Cherries (subgroup)	4		CXL	2013	46		2014	
VC	0424	Cucumber	0.5		CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)	0.1		CXL	2013	46		2014	
FB	0269	Grapes	3		CXL	2013	46		2014	
DH	1100	Hops, dry	30		CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)	0.02		CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.03	(fat)	CXL	2013	46		2014	
ML	0106	Milks	0.02	(*)	CXL	2013	46		2014	
FI	0350	Papaya	2		CXL	2013	46		2014	

271 Trinexapac-ethyl

Main Uses: Plant growth regulator

ADI: 0–0.3 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL for plant and animal commodities and for estimation of dietary intake for animal commodities: Trinexapac (acid).

For estimation of dietary intake for plant commodities: Trinexapac and its conjugates, expressed as trinexapac acid.

The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	3			CXL	2013	46		2014	
CF 0640	Barley bran, processed	4			CXL	2021	53		2022	
AS 0640	Barley, hay and/or straw	0.9	(dw)		CXL	2013	46		2014	
MO 0105	Edible offal (mammalian)	0.1			CXL	2013	46		2014	
PE 0112	Eggs	0.01		(*)	CXL	2013	46		2014	
MF 0100	Mammalian fats (except milk fats)	0.01		(*)	CXL	2013	46		2014	
MM 0095	Meat (from mammals other than marine mammals)	0.01		(*)	CXL	2013	46		2014	
ML 0106	Milks	0.005		(*)	CXL	2013	46		2014	
AS 0647	Oat straw and fodder, dry	0.9	(dw)		CXL	2013	46		2014	
GC 0647	Oats	3			CXL	2013	46		2014	
PF 0111	Poultry fats	0.01		(*)	CXL	2013	46		2014	
PM 0110	Poultry meat	0.01		(*)	CXL	2013	46		2014	
PO 0111	Poultry, edible offal of	0.05			CXL	2013	46		2014	
SO 0495	Rape seed	1.5			CXL	2013	46		2014	
GC 0649	Rice	0.5			CXL	2021	53		2022	
CM 1206	Rice bran, unprocessed	3			CXL	2021	53		2022	
AS 0649	Rice, hay and/or straw	0.08	(dw)		CXL	2021	53		2022	
CM 1205	Rice, polished	0.7			CXL	2021	53		2022	
GC 0650	Rye	3			CXL	2021	53		2022	
AS 3560	Rye, hay and/or straw	0.9	(dw)		CXL	2021	53		2022	
GS 0659	Sugar cane	0.5			CXL	2013	46		2014	
GC 0653	Triticale	3			CXL	2013	46		2014	
AS 0653	Triticale, hay and/or straw	0.9	(dw)		CXL	2013	46		2014	
GC 0654	Wheat	3			CXL	2013	46		2014	
CM 0654	Wheat bran, unprocessed	5			CXL	2021	53		2022	
AS 0654	Wheat, hay and/or straw	0.9	(dw)		CXL	2013	46		2014	

272 Aminocyclopyrachlor

Main Uses: Herbicide

ADI: 0-3 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with MRL and estimation of dietary intake for animal and plant commodities: Aminocyclopyrachlor.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)			CXL	2014	47		2015	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)			CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2014	47		2015	
ML	0106	Milks			CXL	2014	47		2015	

273 Cyflumetofen

Main Uses: Acaricide

ADI: 0-0.1 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with the MRL for plant commodities: Cyflumetofen.

For estimation of dietary intake) for plant commodities: Sum of cyflumetofen and 2-trifluoromethylbenzoic acid, expressed as cyflumetofen.

For compliance with the MRL and estimation of dietary intake for animal commodities: Sum of cyflumetofen and 2-trifluoromethylbenzoic acid, expressed as cyflumetofen.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	4		CXL	2014	47		2015	
FS	0013	Cherries (subgroup)	0.4		3	2023	55			
FC	0001	Citrus fruits (group)	0.3		CXL	2014	47		2015	
OR	0001	Citrus oil, edible	36		CXL	2014	47		2015	
SB	0716	Coffee beans	0.08		3	2023	55			
VC	0424	Cucumber	0.5		3	2023	55			
MO	0105	Edible offal (mammalian)	0.02		CXL	2014	47		2015	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1.5		CXL	2014	47		2015	
FB	0269	Grapes	0.6		CXL	2014	47		2015	
MU	1100	Hops, dried	15		3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2014	47		2015	
ML	0106	Milks	0.01	(*)	CXL	2014	47		2015	
DF	0245	Nectarine, dried	2		3	2023	55			
DF	0247	Peach, dried	2		3	2023	55			
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.3		3	2023	55			
FP	0009	Pome fruits (group)	0.4		CXL	2014	47		2015	
FB	0275	Strawberry	0.6		CXL	2014	47		2015	
VO	0448	Tomato	0.3		CXL	2014	47		2015	
TN	0085	Tree nuts (group)	0.01	(*)	CXL	2014	47		2015	

274 Dichlobenil

Main Uses: Herbicide

ADI: 0-0.01 mg/kg bw (2014)

ARfD: 0.5 mg/kg bw (2014)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: 2,6-dichlorobenzamide.

The residue is not fat soluble.

Note: BAM = 2,6-dichlorobenzamide = fluopicolide. ADI: 0-0.05 mg/kg bw(2014); ARfD: 0.3 mg/kg bw(2014).

Based on a re-evaluation of the data, JMPR (2014) withdrew the ADI and ARfD established in 2009 as part of the evaluation of fluopicolide.

ARfDs for Dichlobenil and BAM apply to women of childbearing age only.

FL = indicates values estimated to accommodate residues of 2,6-dichlorobenzamide arising from fluopicolide use.

D = indicates values estimated to accommodate residues of 2,6-dichlorobenzamide arising from dichlobenil use.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.05	FL		CXL	2014	47		2015	
FB 2005	Cane berries (subgroup)	0.2	D		CXL	2014	47		2015	
VS 0624	Celery	0.07	FL		CXL	2014	47		2015	
GC 0080	Cereal grains (group)	0.01 (*)	FL		CXL	2014	47		2015	
MO 0105	Edible offal (mammalian)	0.04	FL		CXL	2014	47		2015	
PE 0112	Eggs	0.03	FL		CXL	2014	47		2015	
VC 0045	Fruiting vegetables, cucurbits (group)	0.01 (*)	FL		CXL	2014	47		2015	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.01 (*)	FL	(except sweetcorn and mushrooms)	CXL	2014	47		2015	
JF 0269	Grape juice	0.07	FL		CXL	2014	47		2015	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	0.15	FL		CXL	2014	47		2015	
FB 0269	Grapes	0.05	FL		CXL	2014	47		2015	
VL 0053	Leafy vegetables (group)	0.3	FL		CXL	2014	47		2015	
MF 0100	Mammalian fats (except milk fats)	0.01 (*)	FL		CXL	2014	47		2015	
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)	FL		CXL	2014	47		2015	
ML 0106	Milks	0.01 (*)	FL		CXL	2014	47		2015	
VA 0385	Onion, bulb	0.01 (*)	FL		CXL	2014	47		2015	
VA 0387	Onion, Welsh	0.02	FL		CXL	2014	47		2015	
HS 0444	Peppers chili, dried	0.01 (*)	FL		CXL	2014	47		2015	
PF 0111	Poultry fats	0.02	FL		CXL	2014	47		2015	
PM 0110	Poultry meat	0.03	FL		CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO 0111	Poultry, edible offal of	0.1	FL		CXL	2014	47		2015	
VD 0070	Pulses (group)	0.01 (*)	FL		CXL	2014	47		2015	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.4	FL		CXL	2014	47		2015	

275 Flufenoxuron

Main Uses: Acaricide and Insecticide

ADI: 0-0.04 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with the MRL and for estimation of dietary intake for animal and plant commodities: Flufenoxuron.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)	0.05	(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	2014	47		2015	
ML	0106	Milks	0.01	(*)	CXL	2014	47		2015	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		CXL	2014	47		2015	
DT	1114	Tea, green, black (black, fermented and dried)	20		CXL	2014	47		2015	

276 Imazamox

Main Uses: Herbicide

ADI: 0-3 mg/kg bw (2014)

ARfD: 3 mg/kg bw (2014)

Residue: For compliance with the MRL for plant and animal commodities: Imazamox.

For estimation of dietary exposure for plant and animal commodities: Sum of imazamox and 5-(hydroxymethyl)-2-(4-isopropyl-4-methyl-5-oxo-2-imazazolin-2-yl) nicotinic acid (CL 263284), expressed as imazamox.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	0.1	(*)	CXL	2014	47		2015	
GC	0640	Barley	0.02		CXL	2017	50		2018	
AS	0640	Barley, hay and/or straw	0.05	(dw)	CXL	2017	50		2018	
VD	0071	Bean (dry)	0.05	(*)	CXL	2014	47		2015	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.05	(*)	CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2014	47		2015	
PE	0112	Eggs	0.01	(*)	CXL	2014	47		2015	
VD	0533	Lentil (dry)	0.2		CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.01		CXL	2014	47		2015	
ML	0106	Milks	0.01	(*)	CXL	2014	47		2015	
AL	0072	Pea, hay and/or straw	0.05	(*)	CXL	2014	47		2015	
SO	0697	Peanut	0.01	(*)	CXL	2014	47		2015	
VD	0072	Peas (dry)	0.05	(*)	CXL	2014	47		2015	
VP	0064	Peas, shelled (succulent seeds)	0.05	(*)	CXL	2014	47		2015	
PF	0111	Poultry fats	0.01	(*)	CXL	2014	47		2015	
PM	0110	Poultry meat	0.01	(*)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2014	47		2015	
SO	0495	Rape seed	0.05	(*)	CXL	2014	47		2015	
GC	0649	Rice	0.01	(*)	CXL	2014	47		2015	
AS	0649	Rice, hay and/or straw	0.01	(*)	CXL	2014	47		2015	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2014	47		2015	
AL	0541	Soya bean, hay and/or straw	0.01	(*)	CXL	2014	47		2015	
SO	0702	Sunflower seed	0.3		CXL	2014	47		2015	
GC	0654	Wheat	0.05	(*)	CXL	2014	47		2015	
CM	0654	Wheat bran, unprocessed	0.2		CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CF	1210	Wheat germ	0.1		CXL	2014	47		2015	
AS	0654	Wheat, hay and/or straw	0.05 (*)		CXL	2014	47		2015	

277 Mesotrione

Main Uses: Herbicide

ADI: 0-0.5 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with MRL and for estimation of dietary intake) for animal and plant commodities: Mesotrione.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	0.04	(dw)	CXL	2019	52		2021	
VS	0621	Asparagus	0.01	(*)	CXL	2014	47		2015	
FB	2006	Bush berries (subgroup)	0.01	(*)	CXL	2014	47		2015	
FB	2005	Cane berries (subgroup)	0.01	(*)	CXL	2014	47		2015	
FC	0001	Citrus fruits (group)	0.01	(*)	CXL	2019	52		2021	
FB	0265	Cranberry	0.01	(*)	CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2014	47		2015	
PE	0112	Eggs	0.01	(*)	CXL	2014	47		2015	
SO	0693	Linseed	0.01	(*)	CXL	2014	47		2015	
GC	0645	Maize	0.01	(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2014	47		2015	
ML	0106	Milks	0.01	(*)	CXL	2014	47		2015	
GC	0646	Millet	0.01	(*)	CXL	2014	47		2015	
GC	0647	Oats	0.01	(*)	CXL	2014	47		2015	
VO	0442	Okra	0.01	(*)	CXL	2014	47		2015	
FP	0009	Pome fruits (group)	0.01	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.01	(*)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2014	47		2015	
VS	0627	Rhubarb	0.01	(*)	CXL	2014	47		2015	
CM	0649	Rice, husked	0.01	(*)	CXL	2014	47		2015	
GC	0651	Sorghum grain	0.01	(*)	CXL	2014	47		2015	
VD	0541	Soya bean (dry)	0.03		CXL	2014	47		2015	
FS	0012	Stone fruits (group)	0.01	(*)	CXL	2019	52		2021	
GS	0659	Sugar cane	0.01		CXL	2014	47		2015	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	2014	47		2015	
TN	0085	Tree nuts (group)	0.01	(*)	CXL	2019	52		2021	

278 Metrafenone

Main Uses: Fungicide

ADI: 0-0.3 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with the MRL and estimation of dietary intake for plant and animal commodities: Metrafenone.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2014	47		2015	
AS	0640	Barley, hay and/or straw	(dw)		CXL	2014	47		2015	
FS	0013	Cherries (subgroup)			CXL	2016	49		2017	
MO	0105	Edible offal (mammalian)			CXL	2014	47		2015	
VO	0440	Eggplant			CXL	2016	49		2017	
PE	0112	Eggs		(*)	CXL	2014	47		2015	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2016	49		2017	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2014	47		2015	
FB	0269	Grapes			CXL	2014	47		2015	
DH	1100	Hops, dry			CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)		(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	2014	47		2015	
ML	0106	Milks		(*)	CXL	2014	47		2015	
VO	0450	Mushrooms			CXL	2014	47		2015	
AS	0647	Oat straw and fodder, dry	(dw)		CXL	2014	47		2015	
GC	0647	Oats			CXL	2014	47		2015	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2016	49		2017	
VO	0444	Peppers chili			CXL	2016	49		2017	
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2016	49		2017	
FP	0009	Pome fruits (group)			CXL	2016	49		2017	
PF	0111	Poultry fats		(*)	CXL	2014	47		2015	
PM	0110	Poultry meat		(*)	CXL	2014	47		2015	
PO	0111	Poultry, edible offal of		(*)	CXL	2014	47		2015	
GC	0650	Rye			CXL	2014	47		2015	
AS	0650	Rye straw and fodder, dry	(dw)		CXL	2014	47		2015	
FB	0275	Strawberry			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0448	Tomato			CXL	2016	49		2017	
GC	0653	Triticale			CXL	2014	47		2015	
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2014	47		2015	
GC	0654	Wheat			CXL	2014	47		2015	
CF	0654	Wheat bran, processed			CXL	2014	47		2015	
CF	1212	Wheat wholemeal			CXL	2014	47		2015	
AS	0654	Wheat, hay and/or straw		(dw)	CXL	2014	47		2015	

279 Pymetrozine

Main Uses: Insecticide

ADI: 0-0.03 mg/kg bw (2014)

ARfD: 0.1 mg/kg bw (2014)

Residue: For compliance with MRL for plant commodities, mammalian tissues, poultry tissues and eggs: Pymetrozine.

For compliance with MRL for milks: CGA313124 (4,5-dihydro-6-hydroxymethyl-4-[(3-pyridinyl-methylene)amino]-1,2,4-triazine-3(2H)-one).

For the estimation of dietary intake for plant and animal commodities: A conclusion could not be reached. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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280 Acetochlor

Main Uses: Herbicide

ADI: 0–0.01 mg/kg bw (2015)

ARfD: 1 mg/kg bw (2015)

Residue: For compliance with MRL and for estimation of dietary intake for animal and plant commodities: Sum of compounds hydrolysable with base to 2-ethyl-6-methylaniline (EMA) and 2-(1-hydroxyethyl)-6-methylaniline (HEMA), expressed in terms of acetochlor.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	3350	Alfalfa hay	30	(dw)	CXL	2019	52		2021	
GC	0640	Barley	0.04	(*)	CXL	2015	48		2016	
AS	0640	Barley, hay and/or straw	0.3		CXL	2015	48		2016	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.02	(*)	CXL	2015	48		2016	
VD	0523	Broad bean (dry)	0.15		CXL	2015	48		2016	
GC	0641	Buckwheat	0.04	(*)	CXL	2015	48		2016	
AS	0641	Buckwheat fodder	0.3		CXL	2015	48		2016	
VD	0524	Chick-pea (dry)	0.15		CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)	0.05		CXL	2019	52		2021	
PE	0112	Eggs	0.02	(*)	CXL	2015	48		2016	
VD	0531	Hyacinth bean (dry)	0.15		CXL	2015	48		2016	
AL	0157	Legume animal feeds	3	(dw)	(except alfalfa hay) CXL	2019	52		2021	
VD	0533	Lentil (dry)	0.15		CXL	2015	48		2016	
VD	0545	Lupin (dry)	0.15		CXL	2015	48		2016	
GC	0645	Maize	0.02		CXL	2015	48		2016	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2015	48		2016	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	2015	48		2016	
ML	0106	Milks	0.02	(*)	CXL	2015	48		2016	
GC	0646	Millet	0.04	(*)	CXL	2015	48		2016	
AS	0646	Millet fodder, dry	0.3		CXL	2015	48		2016	
AS	0647	Oat straw and fodder, dry	0.3		CXL	2015	48		2016	
GC	0647	Oats	0.04	(*)	CXL	2015	48		2016	
VD	0072	Peas (dry)	0.02	(*)	CXL	2015	48		2016	
VD	0537	Pigeon pea (dry)	0.15		CXL	2015	48		2016	
VR	0589	Potato	0.04	(*)	CXL	2015	48		2016	
PM	0110	Poultry meat	0.02	(*)	CXL	2015	48		2016	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0650	Rye	0.04	(*)	CXL	2015	48		2016	
AS	0650	Rye straw and fodder, dry	0.3		CXL	2015	48		2016	
VD	0541	Soya bean (dry)	1.5		CXL	2019	52		2021	
VR	0596	Sugar beet	0.15		CXL	2015	48		2016	
AV	0596	Sugar beet leaves or tops (dry)	3		CXL	2015	48		2016	
DM	0596	Sugar beet molasses	0.3		CXL	2015	48		2016	
AB	0596	Sugar beet pulp, dry	0.3		CXL	2015	48		2016	
SO	0702	Sunflower seed	0.04	(*)	CXL	2015	48		2016	
VO	0447	Sweet corn (corn-on-the-cob)	0.04		CXL	2015	48		2016	
AS	0447	Sweet corn fodder	1.5		CXL	2015	48		2016	
GC	0657	Teosinte	0.04	(*)	CXL	2015	48		2016	
AS	0657	Teosinte fodder	0.3		CXL	2015	48		2016	
GC	0653	Triticale	0.04	(*)	CXL	2015	48		2016	
GC	0654	Wheat	0.02	(*)	CXL	2015	48		2016	
AS	0654	Wheat, hay and/or straw	0.2		CXL	2015	48		2016	
GC	0655	Wild rice	0.04	(*)	CXL	2015	48		2016	

281 Cyazofamid

Main Uses: Fungicide

ADI: 0–0.2 mg/kg bw (2015)

ARfD: Unnecessary (2015)

Residue: For compliance with the MRLs for plant commodities: Cyazofamid.

For estimating long-term dietary intake from plant commodities: Cyazofamid plus CCIM, expressed as cyazofamid.

For estimating short-term dietary intake from plant commodities (to be compared to the ARfD for CCIM; an ARfD was determined to be unnecessary for cyazofamid): CCIM.

For compliance with the MRLs and for dietary intake for animal commodities: Not defined.

Note: CCIM metabolite

ADI: 0–0.2 mg/kg bw

ARfD: 0.2 mg/kg bw

Cyazofamid + CCIM (long-term only). CCIM (short-term only).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0061 Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.4			CXL	2015	48		2016	
VP	0062 Beans without pods (Phaseolus spp.) (succulent seeds)	0.07			CXL	2015	48		2016	
VB	0040 Brassica vegetables (except Brassica leafy vegetables) (group)	1.5			CXL	2015	48		2016	
VA	2031 Bulb onions (subgroup)	1.5			CXL	2018	51		2019	
VO	0440 Eggplant	0.2			CXL	2015	48		2016	
VC	0045 Fruiting vegetables, cucurbits (group)	0.09			CXL	2015	48		2016	
FB	0269 Grapes	1.5			CXL	2015	48		2016	
VA	2032 Green onions (subgroup)	6			CXL	2018	51		2019	
DH	1100 Hops, dry	15			CXL	2015	48		2016	
VL	0053 Leafy vegetables (group)	10		(except brassica leafy vegetables)	CXL	2015	48		2016	
VL	0054 Leaves of Brassicaceae (subgroup)	15			CXL	2015	48		2016	
VO	0444 Peppers chili	0.8			CXL	2015	48		2016	
VO	0445 Peppers, sweet (including pimento or pimienta)	0.4			CXL	2015	48		2016	
VR	0589 Potato	0.01			CXL	2015	48		2016	
VO	0448 Tomato	0.2			CXL	2015	48		2016	

282 Flonicamid

Main Uses: Insecticide

ADI: 0–0.07 mg/kg bw (2015)

ARfD: Unnecessary (2015)

Residue: For compliance with MRLs and estimation for estimation of dietary exposure for plant commodities: Flonicamid.

For compliance with MRLs and estimation of dietary exposure) for animal commodities: Flonicamid and the metabolite TFNA-AM, expressed as flonicamid.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	9		CXL	2015, 2016	48,49		2017	
TN	0660	Almonds	0.01	(*)	CXL	2015, 2016	48,49		2017	
VP	2060	Beans with pods (subgroup)	0.7		CXL	2017	50		2018	(except soya bean (succulent seeds in pods))
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2		CXL	2015, 2016	48,49		2017	
VS	0624	Celery	1.5		CXL	2015	48		2016	
FS	0013	Cherries (subgroup)	0.9		CXL	2015	48		2016	
AB	0001	Citrus pulp, dried	3	(dw)	CXL	2019	52		2021	
SO	0691	Cotton seed	0.6		CXL	2015	48		2016	
VD	2065	Dry beans (subgroup)	0.15		CXL	2017	50		2018	(except soya bean (dry))
VD	2066	Dry peas (subgroup)	1		CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)	0.2		CXL	2016	49		2017	
PE	0112	Eggs	0.15		CXL	2016	49		2017	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	2015	48		2016	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.4		CXL	2015	48		2016	(except mushrooms and sweet corn)
DH	1100	Hops, dry	20		CXL	2015	48		2016	
VL	0054	Leaves of Brassicaceae (subgroup)	15		CXL	2015, 2016	48,49		2017	
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		CXL	2019	52		2021	
VL	0482	Lettuce, head	1.5		CXL	2015	48		2016	
VL	0483	Lettuce, leaf	8		CXL	2015	48		2016	
FB	2009	Low growing berries (subgroup)	1.5		CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)	0.05		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.15		CXL	2016	49		2017	
ML	0106	Milks	0.15		CXL	2016	49		2017	
HH	0738	Mints	6		CXL	2015	48		2016	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.7		CXL	2015	48		2016	
VP	2061	Peas with pods (subgroup)	0.8		CXL	2017	50		2018	
TN	0672	Pecan	0.01	(*)	CXL	2015	48		2016	
FS	0014	Plums (including fresh prunes) (subgroup)	0.1		CXL	2015	48		2016	
FP	0009	Pome fruits (group)	0.8		CXL	2015	48		2017	
VR	0589	Potato	0.015		CXL	2015	48		2017	
PF	0111	Poultry fats	0.05		CXL	2016	49		2017	
PM	0110	Poultry meat	0.1		CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.1		CXL	2016	49		2017	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.3		CXL	2019	52		2021	
VR	0494	Radish	0.4		CXL	2015	48		2016	
VL	0494	Radish leaves (including radish tops)	20		CXL	2015	48		2016	
SO	0495	Rape seed	0.5		CXL	2015	48		2017	
VL	0502	Spinach	20		CXL	2015	48		2016	
VP	2062	Succulent beans without pods (subgroup)	0.3	(except soya bean (succulent seeds))	CXL	2017	50		2018	
VP	2063	Succulent peas without pods (subgroup)	0.4		CXL	2017	50		2018	
VW	0448	Tomato paste	7		CXL	2015	48		2016	
GC	0654	Wheat	0.08		CXL	2015	48		2017	
AS	0654	Wheat, hay and/or straw	0.3		CXL	2015, 2016	48,49		2017	

283 Fluazifop-p-butyl

Main Uses: Herbicide

ADI: 0-0.004 mg/kg bw (2016)

ARfD: 0.4 mg/kg bw (2016)

Residue: For compliance with MRLs for plant commodities: Total fluazifop, defined as the sum of fluazifop-P-butyl, fluazifop-P-acid (II) and their conjugates, expressed as fluazifop-P-acid.

For dietary risk assessment for plant commodities: Sum of fluazifop-P-butyl, fluazifop-P-acid (II), 2-[4-(3-hydroxy-5-trifluoromethyl-2-phenoxy)pyridyloxy] propionic acid (XL), 5-trifluoromethyl-2-pyridone (X) and their conjugates, expressed as fluazifop-P-acid.

For compliance with MRLs and for dietary risk assessment for animal commodities: Total fluazifop, defined as the sum of fluazifop-P-butyl, fluazifop-P-acid (II) and their conjugates, expressed as fluazifop-P-acid.

The residue is fat soluble.

Note: The information provided to JMPR (2016) precludes an estimate that the dietary exposure would be below the ADI.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
TN 0660	Almonds	0.01 (*)			CXL	2016	49		2017	
FI 0327	Banana	0.01 (*)			CXL	2016	49		2017	
VD 0071	Bean (dry)	40			CXL	2016	49		2017	
AL 0061	Bean, hay and/or straw	7 (dw)			CXL	2016	49		2017	
VP 0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	6			CXL	2016	49		2017	
FB 2006	Bush berries (subgroup)	0.3			CXL	2019	52		2021	
VB 0041	Cabbages, head	3			CXL	2016	49		2017	
FB 2005	Cane berries (subgroup)	0.08			CXL	2019	52		2021	
VR 0577	Carrot	0.6			CXL	2016	49		2017	
VR 0578	Celeriac	0.4			CXL	2016	49		2017	
FC 0001	Citrus fruits (group)	0.01 (*)			CXL	2016	49		2017	
AB 0001	Citrus pulp, dried	0.06 (*)			CXL	2016	49		2017	
SB 0716	Coffee beans	0.01 (*)			CXL	2016	49		2017	
SO 0691	Cotton seed	0.7			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.2			CXL	2016	49		2017	
VO 0440	Eggplant	0.4			CXL	2016	49		2017	
PE 0112	Eggs	0.03			CXL	2016	49		2017	
FB 0267	Elderberries	0.3			CXL	2019	52		2021	
VD 0561	Field pea (dry)	3			CXL	2016	49		2017	
AM 1051	Fodder beet	0.5			CXL	2016	49		2017	
VA 0381	Garlic	0.3			CXL	2016	49		2017	
FB 0269	Grapes	0.01 (*)			CXL	2016	49		2017	
FB 2254	Guelder rose	0.3			CXL	2019	52		2021	
VL 0483	Lettuce, leaf	0.01 (*)			CXL	2016	49		2017	
GC 0669	Macadamia nuts	0.01 (*)			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)			CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2016	49		2017	
ML	0106	Milks			CXL	2016	49		2017	
SO	0305	Olives for oil production		(*)	CXL	2016	49		2017	
VA	0385	Onion, bulb			CXL	2016	49		2017	
OR	0004	Orange oil, edible		(*)	CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)			CXL	2016	49		2017	
TN	0672	Pecan		(*)	CXL	2016	49		2017	
FP	0009	Pome fruits (group)		(*)	CXL	2016	49		2017	
VR	0589	Potato			CXL	2016	49		2017	
PF	0111	Poultry fats			CXL	2016	49		2017	
PM	0110	Poultry meat			CXL	2016	49		2017	
PO	0111	Poultry, edible offal of			CXL	2016	49		2017	
VA	0388	Shallot			CXL	2016	49		2017	
VD	0541	Soya bean (dry)			CXL	2016	49		2017	
AL	0541	Soya bean, hay and/or straw		(dw)	CXL	2016	49		2017	
FS	0012	Stone fruits (group)		(*)	CXL	2016	49		2017	
FB	0275	Strawberry			CXL	2019	52		2021	
VR	0596	Sugar beet			CXL	2016	49		2017	
DM	0596	Sugar beet molasses			CXL	2016	49		2017	
AB	0596	Sugar beet pulp, dry			CXL	2016	49		2017	
GS	0659	Sugar cane		(*)	CXL	2016	49		2017	
SO	0702	Sunflower seed			CXL	2016	49		2017	
VR	0497	Swede			CXL	2016	49		2017	
FT	0305	Table olives		(*)	CXL	2016	49		2017	
VO	0448	Tomato			CXL	2016	49		2017	
VR	0506	Turnip, Garden			CXL	2016	49		2017	
TN	0678	Walnuts		(*)	CXL	2016	49		2017	

284 Flumioxazin

Main Uses: Herbicide

ADI: 0–0.02 mg/kg bw (2015)

ARfD: 0.03 mg/kg bw (for women of child-bearing age) (2015)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Flumioxazin.

The residue is not fat soluble.

Note: ARfD: Unnecessary (for the general population)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	3	(dw)	CXL	2015	48		2016	
VS	0620	Artichoke, globe	0.02	(*)	CXL	2015	48		2016	
VS	0621	Asparagus	0.02		CXL	2015	48		2016	
VD	0071	Bean (dry)	0.07		CXL	2015	48		2016	
FB	2006	Bush berries (subgroup)	0.02	(*)	CXL	2015	48		2016	
VB	0041	Cabbages, head	0.02	(*)	CXL	2015	48		2016	
VD	0524	Chick-pea (dry)	0.07		CXL	2015	48		2016	
SO	0691	Cotton seed	0.01		CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	2015	48		2016	
PE	0112	Eggs	0.02	(*)	CXL	2015	48		2016	
VC	0045	Fruiting vegetables, cucurbits (group)	0.02	(*)	CXL	2015	48		2016	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.02	(*)	(except sweet corn and mushrooms)	CXL	2015	48		2016
FB	0269	Grapes	0.02	(*)	CXL	2015	48		2016	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	0.02	(*)	(wheat hay)	CXL	2015	48		2016
VD	0533	Lentil (dry)	0.07		CXL	2015	48		2016	
VD	0545	Lupin (dry)	0.07		CXL	2015	48		2016	
GC	0645	Maize	0.02	(*)	CXL	2015	48		2016	
AS	0645	Maize fodder (dry)	0.02	(*)	CXL	2015	48		2016	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2015	48		2016	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	2015	48		2016	
ML	0106	Milks	0.02	(*)	CXL	2015	48		2016	
HH	0738	Mints	0.02		CXL	2015	48		2016	
VA	0385	Onion, bulb	0.02	(*)	CXL	2015	48		2016	
SO	0697	Peanut	0.02	(*)	CXL	2015	48		2016	
VD	0072	Peas (dry)	0.07		CXL	2015	48		2016	
FP	0009	Pome fruits (group)	0.02	(*)	CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0355	Pomegranate	0.02	(*)	CXL	2015	48		2016	
VR	0589	Potato	0.02	(*)	CXL	2015	48		2016	
PF	0111	Poultry fats	0.02	(*)	CXL	2015	48		2016	
PM	0110	Poultry meat	0.02	(*)	CXL	2015	48		2016	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	2015	48		2016	
VD	0541	Soya bean (dry)	0.02	(*)	CXL	2015	48		2016	
FS	0012	Stone fruits (group)	0.02	(*)	CXL	2015	48		2016	
SO	0702	Sunflower seed	0.5		CXL	2015	48		2016	
VR	0508	Sweet potato	0.02	(*)	CXL	2015	48		2016	
FT	0305	Table olives	0.02	(*)	CXL	2015	48		2016	
TN	0085	Tree nuts (group)	0.02	(*)	CXL	2015	48		2016	
GC	0654	Wheat	0.4		CXL	2015	48		2016	
AS	0654	Wheat, hay and/or straw	7	(dw)	CXL	2015	48		2016	

285 Flupyradifurone

Main Uses: Insecticide

ADI: 0–0.08 mg/kg bw (2015)

ARfD: 0.2 mg/kg bw (2015)

Residue: For compliance with the MRL for plant commodities: Flupyradifurone.

For estimation of dietary exposure for plant commodities: Sum of flupyradifurone, difluoroacetic acid and 6-chloronicotinic acid, expressed as parent equivalents.

For compliance with the MRL and for estimation of dietary exposure) for animal commodities: Sum of flupyradifurone and difluoroacetic acid, expressed as parent equivalents.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 3350	Alfalfa hay	30		(dw)	CXL	2016	49		2017	
DF 0226	Apples, dried	2			CXL	2016	49		2017	
FI 0326	Avocado	0.6			CXL	2019	52		2021	
VD 0071	Bean (dry)	0.4			CXL	2016	49		2017	
AL 3351	Bean hay	30			CXL	2016	49		2017	
VP 0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	1.5		(green pods and immature seeds)	CXL	2016	49		2017	
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.2		(succulent = immature seeds)	CXL	2016	49		2017	
VA 0036	Bulb vegetables, except fennel, bulb	0.01		(*)	CXL	2016	49		2017	
FB 2006	Bush berries (subgroup)	4			CXL	2016	49		2017	
VB 0041	Cabbages, head	1.5			CXL	2016	49		2017	
SB 0715	Cacao beans	0.01		(*)	CXL	2019	52		2021	
FB 2005	Cane berries (subgroup)	6			CXL	2019	52		2021	
VB 0404	Cauliflower	6			CXL	2016	49		2017	
GC 0080	Cereal grains (group)	3		(except maize and rice)	CXL	2016	49		2017	
FS 0013	Cherries (subgroup)	2			CXL	2017	50		2018	
SB 0716	Coffee beans	0.9			CXL	2019	52		2021	
SO 0691	Cotton seed	0.8			CXL	2016	49		2017	
VC 0424	Cucumber	0.4			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	4			CXL	2016	49		2017	
PE 0112	Eggs	0.7			CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	8			CXL	2016	49		2017	
FB 0269	Grapes	3			CXL	2016	49		2017	
DH 1100	Hops, dry	10			CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		CXL	2016	49		2017	
VL	0482	Lettuce, head	4		CXL	2016	49		2017	
GC	0645	Maize	0.015		CXL	2016	49		2017	
AS	3490	Maize bran, unprocessed	0.05		CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)	1		CXL	2016	49		2017	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	1.5		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	1.5		CXL	2016	49		2017	
VC	0046	Melons, except watermelon	0.4		CXL	2016	49		2017	
ML	0106	Milks	0.7		CXL	2016	49		2017	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	4		CXL	2016	49		2017	
AL	3353	Pea hay	50	(dw)	CXL	2016	49		2017	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1.5		CXL	2017	50		2018	
SO	0697	Peanut	0.04		CXL	2016	49		2017	
AL	3352	Peanut hay	30	(dw)	CXL	2016	49		2017	
VD	0072	Peas (dry)	3		CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	3		CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)	3		CXL	2016	49		2017	
TN	0672	Pecan	0.015		CXL	2016	49		2017	
VO	0051	Peppers (subgroup)	0.9		CXL	2016	49		2017	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried	9		CXL	2016	49		2017	
FI	0353	Pineapple	0.3		CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2017	50		2018	
FP	0009	Pome fruits (group)			CXL	2016	49		2017	
VR	0589	Potato			CXL	2016	49		2017	
PF	0111	Poultry fats			CXL	2016	49		2017	
PM	0110	Poultry meat			CXL	2016	49		2017	
PO	0111	Poultry, edible offal of			CXL	2016	49		2017	
DF	0014	Prunes			CXL	2017	50		2018	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2016	49		2017	
VR	0075	Root and tuber vegetables (group)		(except potato)	CXL	2016	49		2017	
SO	0700	Sesame seed			CXL	2022	54		2023	
VD	0541	Soya bean (dry)			CXL	2016	49		2017	
AL	3354	Soya bean hay		(dw)	CXL	2016	49		2017	
VC	0431	Squash, summer			CXL	2016	49		2017	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(dw)	CXL	2016	49		2017	
FB	0275	Strawberry			CXL	2016	49		2017	
SO	2091	Sunflower seeds (subgroup)			CXL	2022	54		2023	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2016	49		2017	
VR	0508	Sweet potato			CXL	2016	49		2017	
VO	0448	Tomato			CXL	2016	49		2017	
CM	0654	Wheat bran, unprocessed			CXL	2016	49		2017	
CF	1210	Wheat germ			CXL	2016	49		2017	
CF	1212	Wheat wholemeal			CXL	2016	49		2017	

286 Lufenuron

Main Uses: Insecticide

ADI: 0–0.02 mg/kg bw (2015)

ARfD: Unnecessary (2015)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Lufenuron.

The residue fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SB	0716	Coffee beans	0.07							
VC	0424	Cucumber	0.09							
MO	0105	Edible offal (mammalian)	0.15							
PE	0112	Eggs	0.02							
FC	0205	Lime	0.4							
GC	0645	Maize	0.01							
MF	0100	Mammalian fats (except milk fats)	2							
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)						
VC	0046	Melons, except watermelon	0.4							
FM	0183	Milk fats	5							
ML	0106	Milks	0.15							
OR	0004	Orange oil, edible	8							
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.3							
VO	0445	Peppers, sweet (including pimento or pimiento)	0.8							
FP	0009	Pome fruits (group)	1							
VR	0589	Potato	0.01	(*)						
PF	0111	Poultry fats	0.04							
PM	0110	Poultry meat	0.02							
PO	0111	Poultry, edible offal of	0.02	(fat)						
VD	0541	Soya bean (dry)	0.01	(*)						
VO	0448	Tomato	0.4							

287 Quinclorac

Main Uses: Herbicide

ADI: 0–0.4 mg/kg bw (2015)

ARfD: 2 mg/kg bw (2015)

Residue: For compliance with MRL for plant commodities: Quinclorac plus quinclorac conjugates.

For the estimation of dietary exposure for plant commodities: Quinclorac plus quinclorac conjugate plus quinclorac methyl ester expressed as quinclorac.

For compliance with the MRL and estimating dietary exposure for animal commodities: Quinclorac plus quinclorac conjugates.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0265	Cranberry	1.5		CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.1		CXL	2017	50		2018	
PE	0112	Eggs	0.05	(*)	CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.05	(*)	CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*) (fat)	CXL	2017	50		2018	
ML	0106	Milks	0.05	(*)	CXL	2017	50		2018	
PF	0111	Poultry fats	0.05	(*)	CXL	2017	50		2018	
PM	0110	Poultry meat	0.05	(*) (fat)	CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	2017	50		2018	
SO	0495	Rape seed	0.15		CXL	2022	54		2023	
VS	0627	Rhubarb	0.5		CXL	2015	48		2016	
GC	0649	Rice	10		CXL	2017	50		2018	
AS	0649	Rice, hay and/or straw	8	(dw)	CXL	2017	50		2018	
CM	0649	Rice, husked	10		CXL	2017	50		2018	
CM	1205	Rice, polished	8		CXL	2017	50		2018	

288 Acibenzolar-S-methyl

Main Uses: Fungicide

ADI: 0-0.08 mg/kg bw (2016)

ARfD: 0.5 mg/kg bw (2016)

Residue: For compliance with MRLs for animal and plant commodities and for dietary risk assessment for animal commodities: Sum of acibenzolar-S-methyl and 1,2,3-benzothiadiazole-7-carboxylic acid (acibenzolar acid) (free and conjugates), expressed in terms of acibenzolar-S-methyl.

For dietary risk assessment for plants: Sum of acibenzolar-S-methyl and 1,2,3-benzothiadiazole-7-carboxylic acid (acibenzolar acid), (free and conjugated) and 1,2,3-benzothiadiazole-4-hydroxy-7-carboxylic acid (4-OH acibenzolar acid) (free and conjugated), expressed as acibenzolar-S-methyl.

The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.3			CXL	2016	49		2017	
FI 0327	Banana	0.06			CXL	2016	49		2017	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.7			CXL	2016	49		2017	
FC 0001	Citrus fruits (group)	0.015			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.02		(*)	CXL	2016	49		2017	
PE 0112	Eggs	0.02		(*)	CXL	2016	49		2017	
VC 0045	Fruiting vegetables, cucurbits (group)	0.8			CXL	2016	49		2017	
VA 0381	Garlic	0.15			CXL	2016	49		2017	
FI 0341	Kiwifruit	0.03			CXL	2016	49		2017	
VL 0054	Leaves of Brassicaceae (subgroup)	1			CXL	2016	49		2017	
VL 0482	Lettuce, head	0.2			CXL	2016	49		2017	
VL 0483	Lettuce, leaf	0.4			CXL	2016	49		2017	
FB 2009	Low growing berries (subgroup)	0.15		(including strawberries)	CXL	2016	49		2017	
MF 0100	Mammalian fats (except milk fats)	0.02		(*)	CXL	2016	49		2017	
MM 0095	Meat (from mammals other than marine mammals)	0.02		(*)	CXL	2016	49		2017	
ML 0106	Milks	0.01		(*)	CXL	2016	49		2017	
VA 0385	Onion, bulb	0.15			CXL	2016	49		2017	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	0.2			CXL	2016	49		2017	
PF 0111	Poultry fats	0.02		(*)	CXL	2016	49		2017	
PM 0110	Poultry meat	0.02		(*)	CXL	2016	49		2017	
PO 0111	Poultry, edible offal of	0.02		(*)	CXL	2016	49		2017	
VA 0388	Shallot	0.15			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0502 Spinach	0.6			CXL	2016	49		2017	
VO	0448 Tomato	0.3			CXL	2016	49		2017	

289 Imazethapyr

Main Uses: Herbicide

ADI: 0-0.6 mg/kg bw (2016)

ARfD: Unnecessary (2016)

Residue: For compliance with MRLs for plant commodities and for compliance with MRLs and dietary risk assessment for animal commodities: Sum of imazethapyr, 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr.

For dietary risk assessment) for plant commodities: Sum of imazethapyr, and 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid (OH-imazethapyr), and 5-[1-(beta-D-glucopyranoxyloxyethyl)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1031	Clover, hay and/or straw	1.5	(dw)	CXL	2016	49		2017	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2016	49		2017	
PE	0112	Eggs	0.01	(*)	CXL	2016	49		2017	
VD	0533	Lentil (dry)	0.1	(*)	CXL	2016	49		2017	
GC	0645	Maize	0.1	(*)	CXL	2016	49		2017	
AS	0645	Maize fodder (dry)	0.1	(*) (dw)	CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2016	49		2017	
ML	0106	Milks	0.01	(*)	CXL	2016	49		2017	
SO	0697	Peanut	0.1	(*)	CXL	2016	49		2017	
PF	0111	Poultry fats	0.01	(*)	CXL	2016	49		2017	
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49		2017	
SO	0495	Rape seed	0.1	(*)	CXL	2016	49		2017	
GC	0649	Rice	0.1	(*)	CXL	2016	49		2017	
AS	0649	Rice, hay and/or straw	0.15	(*) (dw)	CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.03		CXL	2016	49		2017	

290 Isofetamid

Main Uses: Fungicide

ADI: 0-0.05 mg/kg bw (2016)

ARfD: 3 mg/kg bw (2016)

Residue: For compliance with MRLs and for dietary risk assessment for plant commodities: Isofetamid.

For compliance with MRLs and for dietary risk assessment for animal commodities: Sum of isofetamid and 2-[3-methyl-4-[2-methyl-2-(3-methylthiophene-2-carboxamido)propanoyl]phenoxy]propanoic acid (PPA), expressed as isofetamid.

The residue is fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	0.8 (dw)			CXL	2016	49		2017	
TN 0660	Almonds	0.01 (*)			CXL	2016	49		2017	
VP 2060	Beans with pods (subgroup)	0.6			CXL	2018	51		2019	
FB 2006	Bush berries (subgroup)	4			CXL	2019	52		2021	
FB 2005	Cane berries (subgroup)	3			CXL	2018	51		2019	
FS 0013	Cherries (subgroup)	4			CXL	2018	51		2019	
VD 2065	Dry beans (subgroup)	0.09		(except soya beans)	CXL	2019	52		2021	
VD 2066	Dry peas (subgroup)	0.09			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.07			CXL	2016	49		2017	
PE 0112	Eggs	0.01 (*)			CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	7			CXL	2016	49		2017	
VL 0482	Lettuce, head	5			CXL	2016	49		2017	
VL 0483	Lettuce, leaf	7			CXL	2016	49		2017	
FB 2009	Low growing berries (subgroup)	4		(includes all commodities in this subgroup)	CXL	2016	49		2017	
MF 0100	Mammalian fats (except milk fats)	0.02			CXL	2016	49		2017	
MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)			CXL	2016	49		2017	
ML 0106	Milks	0.01 (*)			CXL	2016	49		2017	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	3			CXL	2018	51		2019	
VP 2061	Peas with pods (subgroup)	0.6			CXL	2018	51		2019	
FS 0014	Plums (including fresh prunes) (subgroup)	0.8			CXL	2018	51		2019	
FP 0009	Pome fruits (group)	0.6			CXL	2018	51		2019	
PF 0111	Poultry fats	0.01 (*)			CXL	2016	49		2017	
PM 0110	Poultry meat	0.01 (*)			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111 Poultry, edible offal of	0.01 (*)			CXL	2016	49		2017	
DF	0014 Prunes	3			CXL	2018	51		2019	
SO	0495 Rape seed	0.015			CXL	2016	49		2017	
OR	0495 Rape seed oil, edible	0.03			CXL	2016	49		2017	
FB	2008 Small fruit vine climbing (subgroup)	3			CXL	2016	49		2017	

291 Oxathiapiprolin

Main Uses: Fungicide

ADI: 0-4 mg/kg bw (2016)

ARfD: Unnecessary (2016)

Residue: For compliance with the MRL for plant and animal commodities: Oxathiapiprolin.

For dietary risk assessment for plant and animal commodities: Sum of: oxathiapiprolin, 5-(Trifluoromethyl)-1H-pyrazole-3-carboxylic acid and 1-β-D-Glucopyranosyl-3-(trifluoromethyl)-1H-pyrazole-5-carboxylic acid, expressed as parent.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			3	2023	55			
FI	0326	Avocado			3	2023	55			
DH	0722	Basil leaves, dried			CXL	2018	51		2019	
HH	0722	Basil, leaves			CXL	2018	51		2019	
VB	0400	Broccoli			CXL	2016	49		2017	
FB	2006	Bush berries (subgroup)			3	2023	55			
VB	0041	Cabbages, head			CXL	2016	49		2017	
FB	2005	Cane berries (subgroup)			CXL	2018	51		2018	
VB	0404	Cauliflower			CXL	2016	49		2017	
FC	0001	Citrus fruits (group)			CXL	2018	51		2018	
OR	0001	Citrus oil, edible			CXL	2018	51		2019	
AB	0001	Citrus pulp, dried			CXL	2018	51		2019	
PE	0112	Eggs		(*)	CXL	2018	51		2019	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2016	49		2017	
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except sweetcorn and mushrooms)	CXL	2016	49		2017	
VA	0381	Garlic			CXL	2016	49		2017	
VA	0382	Garlic, great-headed			CXL	2016	49		2017	
DV	0604	Ginseng, dried including red ginseng			CXL	2016	49		2017	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2016	49		2017	
FB	0269	Grapes			CXL	2016	49		2017	
MU	1100	Hops, dried			3	2023	55			
VL	0054	Leaves of Brassicaceae (subgroup)			CXL	2018	51		2019	
VA	0384	Leek			CXL	2016	49		2017	
VL	0482	Lettuce, head			CXL	2016	49		2017	
VL	0483	Lettuce, leaf			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0645	Maize	0.01	(*)	CXL	2018	51		2019	
AS	0645	Maize fodder (dry)	0.01	(*)	CXL	2018	51		2019	
VA	0385	Onion, bulb	0.04		CXL	2016	49		2017	
VA	0387	Onion, Welsh	2		CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	1		CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)	0.05		CXL	2016	49		2017	
HS	0444	Peppers chili, dried	4		CXL	2016	49		2017	
SO	0698	Poppy seed	0.01	(*)	CXL	2018	51		2019	
PF	0111	Poultry fats	0.01	(*)	CXL	2018	51		2019	
PM	0110	Poultry meat	0.01	(*)	CXL	2018	51		2019	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2018	51		2019	
VA	0388	Shallot	0.04		CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2018	51		2019	
AL	3354	Soya bean hay	0.02		CXL	2018	51		2019	
VL	0502	Spinach	15		CXL	2016	49		2017	
VA	0389	Spring onion	2		CXL	2016	49		2017	
SO	0702	Sunflower seed	0.01	(*)	CXL	2018	51		2019	
DV	0448	Tomato, dried	3		CXL	2016	49		2017	
TN	0085	Tree nuts (group)	0.01	(*)	3	2023	55			
VR	2071	Tuberous and corm vegetables (subgroup)	0.04		CXL	2018	51		2019	
VS	2081	Young shoots	2		CXL	2018	51		2019	

292 Pendimethalin

Main Uses: Herbicide

ADI: 0-0.1 mg/kg bw (2016)

ARfD: 1 mg/kg bw (2016)

Residue: For compliance with the MRL and for dietary risk assessment for plant and animal commodities: Pendimethalin.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa, hay and/or straw	4	(dw)	CXL	2016	49		2017	
AM	0660	Almond hulls	7	(dw)	CXL	2016	49		2017	
VS	0621	Asparagus	0.1		CXL	2016	49		2017	
VD	0071	Bean (dry)	0.05		CXL	2016	49		2017	
AL	0061	Bean, hay and/or straw	0.3	(dw)	CXL	2016	49		2017	
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.05		(green pods and immature seeds) CXL	2016	49		2017	
FB	2006	Bush berries (subgroup)	0.05	(*)	CXL	2019	52		2021	
FB	2005	Cane berries (subgroup)	0.05	(*)	CXL	2019	52		2021	
VR	0577	Carrot	0.5		CXL	2016	49		2017	
VS	0624	Celery	0.09		CXL	2016	49		2017	
FC	0001	Citrus fruits (group)	0.03		CXL	2016	49		2017	
MO	0105	Edible offal (mammalian)	0.05		CXL	2016	49		2017	
PE	0112	Eggs	0.01	(*)	CXL	2016	49		2017	
VA	0380	Fennel, bulb	0.05	(*)	CXL	2016	49		2017	
VB	0042	Flowerhead brassicas (subgroup)	0.01	(*)	CXL	2021	53		2022	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.05	(*)	CXL	2021	53		2022	
VA	0381	Garlic	0.05	(*)	CXL	2016	49		2017	
FB	0269	Grapes	0.05	(*)	CXL	2021	53		2022	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	2500	(dw)	CXL	2016	49		2017	
DH	1100	Hops, dry	0.05		CXL	2016	49		2017	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	0.5		CXL	2016	49		2017	
VL	0054	Leaves of Brassicaceae (subgroup)	0.3		(except kale) CXL	2016	49		2017	
VA	0384	Leek	0.3		CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0483	Lettuce, leaf	4		CXL	2016	49		2017	
GC	0645	Maize	0.05	(*)	CXL	2021	53		2022	
AS	3557	Maize, hay and/or straw	0.05	(*)	CXL	2021	53		2022	
MF	0100	Mammalian fats (except milk fats)	0.2		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL	2016	49		2017	
FM	0183	Milk fats	0.8		CXL	2016	49		2017	
ML	0106	Milks	0.02		CXL	2016	49		2017	
HH	0738	Mints	0.2		CXL	2019	52		2021	
VA	0385	Onion, bulb	0.05	(*)	CXL	2016	49		2017	
VA	0387	Onion, Welsh	0.4		CXL	2016	49		2017	
HH	0740	Parsley, leaves	1.5		CXL	2021	53		2022	
VD	0072	Peas (dry)	0.05		CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	0.05		CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)	0.05		CXL	2016	49		2017	
OR	0738	Peppermint oil, edible	6		CXL	2019	52		2021	
PF	0111	Poultry fats	0.01	(*)	CXL	2016	49		2017	
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49		2017	
GC	0649	Rice	0.01	(*)	CXL	2021	53		2022	
AS	0649	Rice, hay and/or straw	0.01		CXL	2021	53		2022	
VA	0388	Shallot	0.05	(*)	CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.05	(*)	CXL	2021	53		2022	
VA	0389	Spring onion	0.4		CXL	2016	49		2017	
FB	0275	Strawberry	0.05	(*)	CXL	2019	52		2021	
GS	0659	Sugar cane	0.01		CXL	2021	53		2022	
SO	0702	Sunflower seed	0.05	(*)	CXL	2021	53		2022	
TN	0085	Tree nuts (group)	0.05		CXL	2016	49		2017	
GC	0654	Wheat	0.01	(*)	CXL	2021	53		2022	
AS	0654	Wheat, hay and/or straw	0.3		CXL	2021	53		2022	

293 Pinoxaden

Main Uses: Herbicide

ADI: 0-0.1 mg/kg bw (2016)

ARfD: 0.3 mg/kg bw (2016)

Residue: For compliance with the MRL and for dietary risk assessment for plant commodities: Sum of free and conjugated M4 (SYN 505164; 8-(2,6-Diethyl-4-hydroxymethyl-phenyl)-9-hydroxy-1,2,4,5-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one), expressed as pinoxaden.

For compliance with the MRL and for dietary risk assessment) for animal commodities: M4 (SYN 505164; 8-(2,6-Diethyl-4-hydroxymethyl-phenyl)-9-hydroxy-1,2,4,5-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one), expressed as pinoxaden.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.7			CXL	2016	49		2017	
AS	0640 Barley, hay and/or straw	3 (dw)			CXL	2016	49		2017	
PE	0112 Eggs	0.02 (*)			CXL	2016	49		2017	
PF	0111 Poultry fats	0.02 (*)			CXL	2016	49		2017	
PM	0110 Poultry meat	0.02 (*)			CXL	2016	49		2017	
PO	0111 Poultry, edible offal of	0.02 (*)			CXL	2016	49		2017	
GC	0654 Wheat	0.7			CXL	2016	49		2017	
AS	0654 Wheat, hay and/or straw	3 (dw)			CXL	2016	49		2017	

294 Spiromesifen

Main Uses: Acaricide and Insecticide

ADI: 0-0.03 mg/kg bw (2016)

ARfD: Unnecessary (2016)

Residue: For compliance with the MRL for plant and animal commodities: Sum of spiromesifen and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, expressed as spiromesifen.

For dietary risk assessment for plant commodities: Sum of spiromesifen, 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, and 4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one (free and conjugated), all expressed as spiromesifen.

For dietary risk assessment) for animal commodities: sum of spiromesifen and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, expressed as spiromesifen. The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.5		CXL	2022	54		2023	
VP	0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.15	(*)	CXL	2022	54		2023	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	3		CXL	2016	49		2017	
VR	0463	Cassava	0.02	(*)	CXL	2016	49		2017	
AB	0001	Citrus pulp, dried	0.3		CXL	2022	54		2023	
SB	0716	Coffee beans	0.2		CXL	2016	49		2017	
VP	0526	Common bean (pods and/or immature seeds)	1		CXL	2016	49		2017	
SO	0691	Cotton seed	0.7		CXL	2016	49		2017	
VC	0424	Cucumber	0.15		CXL	2016	49		2017	
VD	2065	Dry beans (subgroup)	0.03	(*)	CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.3		CXL	2022	54		2023	
VO	0440	Eggplant	0.7		CXL	2016	49		2017	
PE	0112	Eggs	0.02		CXL	2022	54		2023	
VC	0045	Fruiting vegetables, cucurbits (group)	0.09	(except melon and cucumber)	CXL	2016	49		2017	
VL	0053	Leafy vegetables (group)	15		CXL	2016	49		2017	
VL	0054	Leaves of Brassicaceae (subgroup)	15		CXL	2016	49		2017	
FB	2009	Low growing berries (subgroup)	3		CXL	2016	49		2017	
GC	0645	Maize	0.02	(*)	CXL	2016	49		2017	
AS	0645	Maize fodder (dry)	6		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)			CXL	2022	54		2023	
FI	0345	Mango			CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2022	54		2023	
VC	0046	Melons, except watermelon			CXL	2016	49		2017	
ML	0106	Milks			CXL	2022	54		2023	
VO	0442	Okra			CXL	2016	49		2017	
OR	0004	Orange oil, edible			CXL	2022	54		2023	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2022	54		2023	
FI	0350	Papaya			CXL	2022	54		2023	
VO	0443	Pepino			CXL	2016	49		2017	
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2016	49		2017	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle. Crop Group corresponding to the old Classification which does not include okra, martynia and roselle.
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
GC	0656	Popcorn			CXL	2016	49		2017	
VR	0589	Potato			CXL	2016	49		2017	
PF	0111	Poultry fats			CXL	2022	54		2023	
PM	0110	Poultry meat			CXL	2022	54		2023	
PO	0111	Poultry, edible offal of			CXL	2022	54		2023	
OC	0541	Soya bean oil, crude			CXL	2022	54		2023	
AL	3538	Soya bean, hulls			CXL	2022	54		2023	
AL	3539	Soya bean, meal			CXL	2022	54		2023	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	2016	49		2017	
VR	0508	Sweet potato			CXL	2016	49		2017	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2016	49		2017	
VO	0448	Tomato			CXL	2016	49		2017	
VW	0448	Tomato paste			CXL	2016	49		2017	
DV	0448	Tomato, dried			CXL	2016	49		2017	

295 Bicyclopyrone

Main Uses: Acaricide

ADI: 0–0.003 mg/kg bw (2017)

ARfD: 0.01 mg/kg bw (for women of child-bearing age) (2017)

Residue: For compliance with the MRL and for the estimation of dietary exposure for plant commodities: Sum of bicyclopyrone and its structurally-related metabolites determined as the sum of the common moieties 2-(2-methoxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (SYN503780) and (2-(2-hydroxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (CSCD686480), expressed as bicyclopyrone.

For compliance with the MRL and for the estimation of dietary exposure) for animal commodities: Sum of bicyclopyrone and its structurally-related metabolites determined as the sum of the common moieties 2-(2-methoxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (SYN503780) and 2-(2-hydroxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (CSCD686480), expressed as bicyclopyrone.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.04			CXL	2017	50		2018	
CF 0640	Barley bran, processed	0.1			CXL	2017	50		2018	
AS 0640	Barley, hay and/or straw	0.8		(dw)	CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	3			CXL	2017	50		2018	
PE 0112	Eggs	0.01		(*)	CXL	2017	50		2018	
GC 0645	Maize	0.02		(*)	CXL	2017	50		2018	
AS 0645	Maize fodder (dry)	0.5			CXL	2017	50		2018	
MF 0100	Mammalian fats (except milk fats)	0.02		(*)	CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.02		(*)	CXL	2017	50		2018	
ML 0106	Milks	0.02		(*)	CXL	2017	50		2018	
PF 0111	Poultry fats	0.01		(*)	CXL	2017	50		2018	
PM 0110	Poultry meat	0.01		(*)	CXL	2017	50		2018	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	2017	50		2018	
GS 0659	Sugar cane	0.02		(*)	CXL	2017	50		2018	
GC 0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.03			CXL	2017	50		2018	
AS 0447	Sweet corn fodder	0.5		(dw)	CXL	2017	50		2018	
GC 0654	Wheat	0.04			CXL	2017	50		2018	
CF 0654	Wheat bran, processed	0.1			CXL	2017	50		2018	
CF 1210	Wheat germ	0.06			CXL	2017	50		2018	
AS 0654	Wheat, hay and/or straw	0.8		(dw)	CXL	2017	50		2018	

296 Cyclaniliprole

Main Uses: Acaricide

ADI: 0–0.04 mg/kg bw (2017)

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL for plant and animal commodities: Cyclaniliprole.

For estimation of dietary exposure) for plant commodities: Cyclaniliprole + 3-bromo-2-((2-bromo-4H- pyrazolo[1,5-d]pyrido[3,2-b]-[1,4]oxazin-4-ylidene)amino)-5-chloro-N-(1-cyclopropylethyl)benzamide (NK-1375), expressed as cyclaniliprole equivalents.

The molecular weight conversion factor to express NK-1375 in cyclaniliprole equivalents = 1.064. For estimation of dietary exposure) for animal commodities: Cyclaniliprole.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	6		CXL	2019	52		2021	
TN	0660	Almonds	0.03		CXL	2019	52		2021	
FB	2006	Bush berries (subgroup)	1.5		CXL	2019	52		2021	
VB	0041	Cabbages, head	0.7		CXL	2019	52		2021	
FB	2005	Cane berries (subgroup)	0.8		CXL	2019	52		2021	
FS	0013	Cherries (subgroup)	0.7		CXL	2019	52		2021	
FC	0001	Citrus fruits (group)	0.4		CXL	2019	52		2021	
OR	0001	Citrus oil, edible	50		CXL	2019	52		2021	
MO	0105	Edible offal (mammalian)	0.2		CXL	2019	52		2021	
VO	2046	Eggplants (subgroup)	0.15		CXL	2019	52		2021	
PE	0112	Eggs	0.01	(*)	CXL	2019	52		2021	
FB	0267	Elderberries	1.5		CXL	2019	52		2021	
VB	0042	Flowerhead brassicas (subgroup)	0.8		CXL	2019	52		2021	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.05		CXL	2019	52		2021	
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.1		CXL	2019	52		2021	
FB	0269	Grapes	0.6		CXL	2019	52		2021	
FB	2254	Guelder rose	1.5		CXL	2019	52		2021	
VL	2050	Leafy greens (subgroup)	7		CXL	2019	52		2021	
VL	0054	Leaves of Brassicaceae (subgroup)	10		CXL	2019	52		2021	
FB	2009	Low growing berries (subgroup)	0.4	(except cranberries)	CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)	0.25		CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.25	(fat)	CXL	2019	52		2021	
FM	0183	Milk fats	0.2		CXL	2019	52		2021	
ML	0106	Milks	0.01		CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.3		CXL	2019	52		2021	
VO	0051	Peppers (subgroup)	0.15		CXL	2019	52		2021	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	1.5		CXL	2019	52		2021	
FS	0014	Plums (including fresh prunes) (subgroup)	0.15		CXL	2019	52		2021	
FP	0009	Pome fruits (group)	0.2		CXL	2019	52		2021	(except Japanese persimmons)
PF	0111	Poultry fats	0.01	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.01	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2019	52		2021	
DF	0014	Prunes	0.6		CXL	2019	52		2021	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.45	(dw)	CXL	2019	52		2021	
DT	1114	Tea, green, black (black, fermented and dried)	50		CXL	2019	52		2021	
DV	0448	Tomato, dried	0.35		CXL	2019	52		2021	
VO	2045	Tomatoes (subgroup)	0.08		CXL	2019	52		2021	
VR	2071	Tuberous and corm vegetables (subgroup)	0.01	(*)	CXL	2019	52		2021	

297 Fenazaquin

Main Uses: Acaricide

ADI: 0–0.05 mg/kg bw (2017)

ARfD: 0.1 mg/kg bw (2017)

Residue: For plant commodities for compliance and for dietary risk assessment: Fenazaquin.

For compliance and estimation of dietary exposure for animal commodities: Sum of fenazaquin and the metabolite 2-hydroxy-fenazaquin acid expressed as fenazaquin.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	4	(dw)	CXL	2019	52		2021	
FP	0226	Apple	0.3		CXL	2022	54		2023	
FI	0326	Avocado	0.15		CXL	2022	54		2023	
FB	2006	Bush berries (subgroup)	0.8		CXL	2022	54		2023	
FB	2005	Cane berries (subgroup)	0.7		CXL	2022	54		2023	
FS	0013	Cherries (subgroup)	2		CXL	2017	50		2018	
OR	0001	Citrus oil, edible	40		CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	2022	54		2023	
VO	2046	Eggplants (subgroup)	0.3		CXL	2022	54		2023	
VC	0045	Fruiting vegetables, cucurbits (group)	0.3		CXL	2022	54		2023	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1.5		CXL	2022	54		2023	
DH	1100	Hops, dry	30		CXL	2017	50		2018	
FC	0002	Lemons and limes (including citron) (subgroup)	0.3		CXL	2022	54		2023	
FB	2009	Low growing berries (subgroup)	2		CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2022	54		2023	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.3		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*) (fat)	CXL	2022	54		2023	
FM	0183	Milk fats	0.02	(*) (fat)	CXL	2022	54		2023	
ML	0106	Milks	0.02	(*) (fat)	CXL	2022	54		2023	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		CXL	2022	54		2023	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1.5		CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		MRL provisionally applies to okra, martynia, and roselle.	CXL	2022	54		2023	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2022	54		2023	
DF	0014	Prunes			CXL	2022	54		2023	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2022	54		2023	
FB	2008	Small fruit vine climbing (subgroup)			CXL	2022	54		2023	
VO	2045	Tomatoes (subgroup)			CXL	2022	54		2023	
TN	0085	Tree nuts (group)			CXL	2019	52		2021	

298 Fenpyrazamine

Main Uses: Acaricide

ADI: 0-0.3 mg/kg bw (2017)

ARfD: 0.8 mg/kg bw (2017)

Residue: For plant commodities for enforcement of MRLs: Fenpyrazamine.

For plant commodities for estimation of dietary exposure: Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine.

For animal commodities for enforcement of MRLs and for estimation of dietary exposure: Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine.

The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
TN 0660	Almonds	0.01 (*)			CXL	2017	50		2018	
FB 2006	Bush berries (subgroup)	4			CXL	2017	50		2018	
FB 2005	Cane berries (subgroup)	5			CXL	2017	50		2018	
FS 0013	Cherries (subgroup)	3			CXL	2017	50		2018	
VO 4275	Cherry tomato	3			CXL	2017	50		2018	
VC 0424	Cucumber	0.7			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	0.05			CXL	2017	50		2018	
VO 2046	Eggplants (subgroup)	3			CXL	2017	50		2018	
VR 0604	Ginseng	0.7			CXL	2017	50		2018	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	9			CXL	2017	50		2018	
FB 0269	Grapes	3			CXL	2017	50		2018	
VL 0482	Lettuce, head	1.5			CXL	2017	50		2018	
VL 0483	Lettuce, leaf	1.5			CXL	2017	50		2018	
MF 0100	Mammalian fats (except milk fats)	0.02 (*)			CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.02 (*)			CXL	2017	50		2018	
ML 0106	Milks	0.01 (*)			CXL	2017	50		2018	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	4			CXL	2017	50		2018	
VO 0445	Peppers, sweet (including pimento or pimiento)	3			CXL	2017	50		2018	
FS 0014	Plums (including fresh prunes) (subgroup)	2			CXL	2017	50		2018	
FB 0275	Strawberry	3			CXL	2017	50		2018	
VO 0448	Tomato	3			CXL	2017	50		2018	

299 Isoprothiolane

Main Uses: Acaricide

ADI: 0-0.1 mg/kg bw (2017)

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL for plant commodities: Isoprothiolane.

For dietary risk assessment for rice: Isoprothiolane.

For dietary risk assessment for plants other than rice: Sum of isoprothiolane, diisopropyl-4-hydroxy-1,3- dithiolan-2-ylidenemalonate (M-3); free and conjugated and 1-hydroxypropan-2-yl propan-2-yl 1,3-dithiolan-2-ylidenemalonate (M-5); free and conjugated, expressed as isoprothiolane.

For compliance with the MRL and dietary risk assessment for animal commodities: Sum of isoprothiolane and 2-(1,3-dithiolan-2-ylidene)-3-oxo-3-(propan-2-yloxy)propanoic acid (M-2), expressed as isoprothiolane.

The residue is not fat-soluble.

Note: The Regular Meeting of JMPR (2021) reaffirmed ADI can be applied to metabolites M-2, M-3 and M-5.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	1			CXL	2021	53		2022	
MO	0105 Edible offal (mammalian)	0.01 (*)			CXL	2017	50		2018	
MF	0100 Mammalian fats (except milk fats)	0.01 (*)			CXL	2017	50		2018	
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2017	50		2018	
ML	0106 Milks	0.01 (*)			CXL	2017	50		2018	
CM	0649 Rice, husked	6			CXL	2017	50		2018	
CM	1205 Rice, polished	1.5			CXL	2017	50		2018	

300 Netamicyn

Main Uses: Acaricide

ADI: Not established

ARfD: Not established

Residue: For compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: Natamycin. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

301 Phosphonic acid

Main Uses: Acaricide

ADI: 0-1 mg/kg bw (The ADI applied directly to Fosetyl-Al and to Phosphonic acid).

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid.

For compliance with the MRL and for estimation of dietary exposure for animal commodities: Phosphonic acid.

The residue is not fat soluble.

Note: The proposed maximum residue levels, STMRs are reported in the fosetyl-aluminium appraisal.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

302 Fosetyl AI

Main Uses: Acaricide

ADI: 0-1 mg/kg bw (The ADI applied directly to Fosetyl-AI and to Phosphonic acid).

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid.

For compliance with the MRL and for estimation of dietary exposure for animal commodities: Phosphonic acid.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado			CXL	2017	50		2018	
FB	0264	Blackberries		(based on Fosetyl-AI use)	CXL	2019	52		2021	
SB	0716	Coffee beans		(based on Fosetyl-AI use)	CXL	2019	52		2021	
VC	0424	Cucumber			CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			CXL	2017	50		2018	
PE	0112	Eggs			CXL	2019	52		2021	
VB	0042	Flowerhead brassicas (subgroup)		(based on Fosetyl use)	CXL	2019	52		2021	
FB	0269	Grapes			CXL	2017	50		2018	
VB	2036	Head brassicas		(based on Fosetyl use)	CXL	2019	52		2021	
DH	1100	Hops, dry			CXL	2017	50		2018	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)		(based on Fosetyl use)	CXL	2019	52		2021	
FI	0341	Kiwifruit		(based on Fosetyl-AI use)	CXL	2019	52		2021	
VL	0482	Lettuce, head			CXL	2017	50		2018	
VL	0483	Lettuce, leaf			CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)			CXL	2019	52		2021	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2017	50		2018	
VC	0046	Melons, except watermelon			CXL	2017	50		2018	
ML	0106	Milks			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	20		CXL	2017	50		2018	
VO	0445	Peppers, sweet (including pimento or pimiento)	7		CXL	2017	50		2018	
FI	0353	Pineapple	15	(based on Fosetyl-Al use)	CXL	2019	52		2021	
FP	0009	Pome fruits (group)	50		CXL	2017	50		2018	
PF	0111	Poultry fats	0.05	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.05	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	2019			2021	
VL	0502	Spinach	20		CXL	2017	50		2018	
VC	0431	Squash, summer	70		CXL	2017	50		2018	
FB	0275	Strawberry	70		CXL	2017	50		2018	
VO	0448	Tomato	8		CXL	2017	50		2018	
TN	0085	Tree nuts (group)	400		CXL	2017	50		2018	

303 Triflumezopyrim

Main Uses: Acaricide

ADI: 0-0.2 mg/kg bw

ARfD: 1 mg/kg bw (2017)

Residue: For compliance with the MRL for plant and animal commodities: Triflumezopyrim.

For the estimation of dietary exposure for plant commodities: Sum of triflumezopyrim and 3-(trifluoromethyl)benzoic acid (IN-Y2186), expressed as triflumezopyrim.

For the estimation of dietary exposure) for animal commodities: Triflumezopyrim.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2017	50		2018	
PE	0112	Eggs	0.01	(*)	CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2017	50		2018	
FM	0183	Milk fats	0.01	(*)	CXL	2017	50		2018	
ML	0106	Milks	0.01	(*)	CXL	2017	50		2018	
PF	0111	Poultry fats	0.01	(*)	CXL	2017	50		2018	
PM	0110	Poultry meat	0.01	(*)	CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2017	50		2018	
GC	0649	Rice	0.2		CXL	2017	50		2018	
AS	0649	Rice, hay and/or straw	0.4	(dw)	CXL	2017	50		2018	
CM	0649	Rice, husked	0.01		CXL	2017	50		2018	
CM	1205	Rice, polished	0.01		CXL	2017	50		2018	

304 Ethiprole

Main Uses: Insecticide

ADI: 0–0.005 mg/kg bw (2018)

ARfD: 0.005 mg/kg bw (2018)

Residue: For compliance with the MRL for plant commodities: Ethiprole.

For dietary risk assessment for plant commodities: Sum of ethiprole, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(ethylsulfinyl)-1H-pyrazole-3-carboxamide (ethiprole-amide) and 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-ethylsulfonylpyrazole-3-carbonitrile (ethiprole-sulfone), expressed as parent equivalents.

For compliance with the MRL and dietary risk assessment for animal commodities: Sum of ethiprole and 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-ethylsulfonylpyrazole-3-carbonitrile (ethiprole-sulfone), expressed as parent equivalents.

The residue is fat soluble.

Note: ADI and ARfD apply to ethiprole, ethiprole-amide and ethiprole-sulfone, expressed as ethiprole.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SB	0716	Coffee beans	0.07		CXL	2018	51		2019	
SM	0716	Coffee beans, roasted	0.2		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.1		CXL	2018	51		2019	
PE	0112	Eggs	0.05		CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)	0.15		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.15	(fat)	CXL	2018	51		2019	
FM	0183	Milk fats	0.5		CXL	2018	51		2019	
ML	0106	Milks	0.015		CXL	2018	51		2019	
PF	0111	Poultry fats	0.05		CXL	2018	51		2019	
PM	0110	Poultry meat	0.05	(fat)	CXL	2018	51		2019	
PO	0111	Poultry, edible offal of	0.05		CXL	2018	51		2019	
GC	0649	Rice	3		CXL	2018	51		2019	
CM	0649	Rice, husked	1.5		CXL	2018	51		2019	
CM	1205	Rice, polished	0.4		CXL	2018	51		2019	
VD	0541	Soya bean (dry)	0.05		CXL	2021	53		2022	
AL	3538	Soya bean, hulls	0.4		CXL	2021	53		2022	

305 Fenpicoxamid

Main Uses: Fungicide

ADI: 0–0.05 mg/kg bw (2018)

ARfD: Unnecessary (2018)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Fenpicoxamid (2018).

For compliance with the MRL and dietary risk assessment for milk and tissues of mammals (other than marine mammals): 2-benzyl-2,5-dideoxy-4-O- $\{N- [(3\text{-hydroxy-4-methoxypyridin-2-yl)carbonyl}]\text{-L-seryl}\}$ -L-arabinoic acid (X12326349), expressed as fenpicoxamid (2021).

The residue is not fat-soluble (2021).

Note: The 2021 (Extra) JMPR Meeting confirms its previous decision not to recommend a residue definition for poultry commodities (muscle, fat, offals and eggs).

If future uses of fenpicoxamid result in an increase in the dietary exposure to the animal metabolite X12326349 and the hydrolysis products X12314005, X12019520, X12335723 and X12264475 in poultry, reconsideration of the residue definitions may become necessary.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.15			CXL	2018	51		2019	
MO	0105 Edible offal (mammalian)	0.02			CXL	2021	53		2022	
MF	0100 Mammalian fats (except milk fats)	0.015			CXL	2021	53		2022	
MM	0095 Meat (from mammals other than marine mammals)	0.015 (*)			CXL	2021	53		2022	
ML	0106 Milks	0.015 (*)			CXL	2021	53		2022	
GC	0650 Rye	0.15			CXL	2021	53		2022	
GC	0653 Triticale	0.15			CXL	2021	53		2022	
GC	0654 Wheat	0.15			CXL	2021	53		2022	
AS	0654 Wheat, hay and/or straw	30 (dw)			CXL	2021	53		2022	

306 Fluazinam

Main Uses: Fungicide

JMPR:

ADI: Not established

ARfD: Not established

Residue: For plant commodities for enforcement of MRLs: Fluazinam

For plants for dietary risk assessment: JMPR (2023) was unable to conclude on a residue definition for risk assessment.

Note: Note 1: JMPR 2018: The Meeting was unable to conclude on a residue definition for dietary risk assessment for plant commodities. No Maximum residue levels are recommended, nor are levels estimated for use in long-term and acute dietary exposure assessments as the Meeting could not reach a conclusion on the residue definition for dietary risk assessment for plant commodities. In addition, the Meeting could not reach a conclusion on the residue levels of TFAA in the crops considered in this Meeting. ADI: Not established. ARfD: Not established.

Note 2 (Codex Secretariat): JMPR (2023) assigned a Pesticide ID 333 to Fluazinam which already had an ID 306 assigned by JMPR (2018).

CCPR55 should advise JMPR (2024) to assign ID 333 to a new compound to be evaluated by JMPR (2024) to avoid inconsistencies between the JMPR and CCPR lists of pesticides.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

307 Mandestrobin

Main Uses: Fungicide

ADI: 0–0.2 mg/kg bw (2018)

ARfD: 3 mg/kg bw (for women of child-bearing age) (2018)

Residue: For compliance with MRL in plant and animal commodities and for dietary risk assessment in plant commodities: Mandestrobin.

For acute dietary risk assessment in animal commodities: Sum of parent, (2RS)-2-[2-(4-hydroxy-2,5-dimethylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (4-OH-mandestrobin) + (2RS)-2-(2-hydroxymethylphenyl)-2-methoxy-N-methylacetamide (De-XY-mandestrobin) + 2RS)-2-[2-(2-hydroxymethyl-5-methylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (2-CH2-OH-mandestrobin) + 2-({2-[(1RS)-1-methoxy-2-(methylamino)-2-oxoethyl]benzyl}oxy)-4-methylbenzoic acid (2-COOH-mandestrobin), + 3-({2-[(1RS)-1-methoxy-2-(methylamino)-2-oxoethyl]benzyl}oxy)-4-methylbenzoic acid (5-COOH-mandestrobin) and their conjugates, expressed as parent compound.

For long-term dietary risk assessment in animal commodities: Sum of parent, (2RS)-2-[2-(4-hydroxy-2,5-dimethylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (4-OH-mandestrobin), and its conjugates, expressed as parent compound.

The residue is fat-soluble.

Note: JMPR (2018) was unable to complete an evaluation for residues (Chapter 2.2, 2018 JMPR).

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
MO 0105	Edible offal (mammalian)	0.01 (*)			CXL	2019	52		2021	
PE 0112	Eggs	0.01 (*)			CXL	2019	52		2021	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	10			CXL	2019	52		2021	
FB 0269	Grapes	5			CXL	2019	52		2021	
MF 0100	Mammalian fats (except milk fats)	0.01 (*)			CXL	2019	52		2021	
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2019	52		2021	
ML 0106	Milks	0.01 (*)			CXL	2019	52		2021	
PF 0111	Poultry fats	0.01 (*)			CXL	2019	52		2021	
PM 0110	Poultry meat	0.01 (*)			CXL	2019	52		2021	
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	2019	52		2021	
SO 0495	Rape seed	0.2			CXL	2019	52		2021	
FB 0275	Strawberry	3			CXL	2019	52		2021	

308 Norflurazon

Main Uses: Herbicide

ADI: 0–0.005 mg/kg bw (2018)

ARfD: 0.3 mg/kg bw (2018)

Residue: For compliance with the MRL for plant commodities: Sum of norflurazon and desmethyl norflurazon, expressed as norflurazon.

For dietary risk assessment for plant commodities: Sum of norflurazon and desmethyl norflurazon (free and conjugated), expressed as norflurazon.

For compliance with the MRL for animal commodities: Sum of norflurazon and desmethyl norflurazon (free and conjugated), expressed as norflurazon.

For dietary risk assessment for animal commodities: Sum of desmethyl norflurazon (free and conjugated) and 6-methyl sulfoxide norflurazon, expressed as norflurazon.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa, hay and/or straw	7 (DM)			CXL	2018	51		2019	
MO	0105 Edible offal (mammalian)	0.3			CXL	2018	51		2019	
PE	0112 Eggs	0.02 (*)			CXL	2018	51		2019	
MF	0100 Mammalian fats (except milk fats)	0.02 (*)			CXL	2018	51		2019	
MM	0095 Meat (from mammals other than marine mammals)	0.02 (*)			CXL	2018	51		2019	
ML	0106 Milks	0.02 (*)			CXL	2018	51		2019	
PF	0111 Poultry fats	0.02 (*)			CXL	2018	51		2019	
PM	0110 Poultry meat	0.02 (*)			CXL	2018	51		2019	
PO	0111 Poultry, edible offal of	0.02 (*)			CXL	2018	51		2019	

309 Pydiflumetofen

Main Uses: Fungicide

ADI: 0–0.1 mg/kg bw (2018)

ARfD: 0.3 mg/kg bw (2018)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Pydiflumetofen.

For compliance with the MRL for animal commodities: Pydiflumetofen.

For dietary risk assessment for animal commodities other than mammalian liver and kidney: Sum of pydiflumetofen and 2,4,6-trichlorophenol (2,4,6-TCP) and its conjugates, expressed as pydiflumetofen.

For dietary risk assessment for mammalian liver and kidney: Sum of pydiflumetofen, 2,4,6-trichlorophenol (2,4,6-TCP) and its conjugates, and 3-(difluoromethyl)-N-methoxy-1-methyl-N-[1-methyl-2-(2,4,6-trichloro-3-hydroxy-phenyl) ethyl]pyrazole-4-carboxamide (SYN547897) and its conjugates, expressed as pydiflumetofen.

The residue is fat-soluble

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	10 (dw)			CXL	2021	53		2022	
AS 0640	Barley, hay and/or straw	50 (dw)			CXL	2019	52		2021	
GC 2087	Barley, similar grains, and pseudocereals with husks (subgroup)	3			CXL	2019	52		2021	
VP 2060	Beans with pods (subgroup)	0.7			CXL	2021	53		2022	
VA 2031	Bulb onions (subgroup)	0.3			CXL	2021	53		2022	
FB 2006	Bush berries (subgroup)	5			CXL	2021	53		2022	
FS 0013	Cherries (subgroup)	2			CXL	2021	53		2022	
FC 0001	Citrus fruits (group)	0.9			CXL	2021	53		2022	
OR 0001	Citrus oil, edible	40			CXL	2021	53		2022	
AB 0001	Citrus pulp, dried	1.5			CXL	2021	53		2022	
SO 0691	Cotton seed	0.02		(based on rotational crops)	CXL	2021	53		2022	
VD 2065	Dry beans (subgroup)	0.4			CXL	2019	52		2021	
VD 2066	Dry peas (subgroup)	0.4			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.1			CXL	2021	53		2022	
PE 0112	Eggs	0.02			CXL	2021	53		2022	
FB 0267	Elderberries	5			CXL	2021	53		2022	
VB 0042	Flowerhead brassicas (subgroup)	3			CXL	2021	53		2022	
VC 0045	Fruiting vegetables, cucurbits (group)	0.4			CXL	2019	52		2021	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.5		(except martynia, okra and roselle)	CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	4		CXL	2018	51		2019	
VA	2032	Green onions (subgroup)	1.5		CXL	2021	53		2022	
VB	2036	Head brassicas	2		CXL	2021	53		2022	
VL	0054	Leaves of Brassicaceae (subgroup)	0.1		CXL	2019	52		2021	
AL	0157	Legume animal feeds	30	(dw)	CXL	2019	52		2021	
FB	2009	Low growing berries (subgroup)	1		(except cranberries) CXL	2021	53		2022	
GC	2091	Maize cereals (subgroup)	0.04		CXL	2019	52		2021	
CF	1255	Maize flour	0.07		CXL	2019	52		2021	
AS	0645	Maize fodder (dry)	18	(dw)	CXL	2019	52		2021	
OR	0645	Maize oil, edible	0.08		CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)	0.1		CXL	2021	53		2022	
VO	2709	Martynia	0.02		CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL	2021	53		2022	
ML	0106	Milks	0.01	(*)	CXL	2021	53		2022	
AS	0646	Millet fodder, dry	0.3	(dw)	CXL	2019	52		2021	
AS	0647	Oat straw and fodder, dry	50	(dw)	CXL	2019	52		2021	
VO	0442	Okra	0.02		CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1		CXL	2021	53		2022	
SO	0697	Peanut	0.05		CXL	2019	52		2021	
OR	0697	Peanut oil, edible	0.15		CXL	2019	52		2021	
VP	2061	Peas with pods (subgroup)	1.5		CXL	2021	53		2022	
HS	0444	Peppers chili, dried	5		CXL	2019	52		2021	
FS	0014	Plums (including fresh prunes) (subgroup)	0.6		CXL	2021	53		2022	
FP	0009	Pome fruits (group)	0.2		(except Persimmon, Japanese) CXL	2021	53		2022	
DV	0589	Potato, flakes/granules	0.5		(potato, dried) CXL	2019	52		2021	
PF	0111	Poultry fats	0.01	(*)	CXL	2021	53		2022	
PM	0110	Poultry meat	0.01	(*)	CXL	2021	53		2022	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2021	53		2022	
DF	0014	Prunes	1.5		CXL	2021	53		2022	
GC	2088	Rice cereals (subgroup)	0.03		CXL	2019	52		2021	
AS	0649	Rice, hay and/or straw	0.3	(dw)	CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	2070	Root vegetables (subgroup)			CXL	2021	53		2022	
VO	0446	Roselle			CXL	2019	52		2021	
AS	0650	Rye straw and fodder, dry	(dw)		CXL	2019	52		2021	
FB	2008	Small fruit vine climbing (subgroup)			CXL	2018	51		2019	
SO	2090	Small seed oilseeds (subgroup)			CXL	2019	52		2021	
GC	0651	Sorghum grain			CXL	2021	53		2022	
GC	2089	Sorghum grain and millet (subgroup)		(except sorghum grain)	CXL	2021	53		2022	
AS	3562	Sorghum, hay and/or straw	(dw)		CXL	2021	53		2022	
VB	2016	Stem Brassicas (subgroup)		(based on rotational crops)	CXL	2021	53		2022	
VS	2080	Stems and petioles (subgroup)			CXL	2019	52		2021	
VP	2062	Succulent beans without pods (subgroup)			CXL	2021	53		2022	
VP	2063	Succulent peas without pods (subgroup)			CXL	2021	53		2022	
AV	0596	Sugar beet leaves or tops (dry)	(dw)		CXL	2021	53		2022	
SO	2091	Sunflower seeds (subgroup)			CXL	2021	53		2022	
GC	2090	Sweet corns (subgroup)			CXL	2019	52		2021	
DV	0448	Tomato, dried			CXL	2019	52		2021	
TN	0085	Tree nuts (group)			CXL	2021	53		2022	
AS	0653	Triticale, hay and/or straw	(dw)		CXL	2019	52		2021	
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2019	52		2021	
VP	2064	Underground immature beans and peas (subgroup)		(based on rotational crops)	CXL	2021	53		2022	
CF	0654	Wheat bran, processed			CXL	2019	52		2021	
CF	1210	Wheat germ			CXL	2019	52		2021	
AS	0654	Wheat, hay and/or straw	(dw)		CXL	2019	52		2021	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			CXL	2019	52		2021	

310 Pyriofenone

Main Uses: Fungicide

ADI: 0–0.09 mg/kg bw (2018)

ARfD: Unnecessary (2018)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Pyriofenone.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2006	Bush berries (subgroup)	1.5		CXL	2018	51		2019	
FB	2005	Cane berries (subgroup)	0.9		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2019	52		2021	
PE	0112	Eggs	0.01	(*)	CXL	2019	52		2021	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	2018	51		2019	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2.5		CXL	2018	51		2019	
FB	2009	Low growing berries (subgroup)	0.5		CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2019	52		2021	
ML	0106	Milks	0.01	(*)	CXL	2019	52		2021	
PF	0111	Poultry fats	0.01	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.01	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2019	52		2021	
FB	2008	Small fruit vine climbing (subgroup)	0.8		CXL	2018	51		2019	

311 Tioxazafen

Main Uses: Nematocide

ADI: 0–0.05 mg/kg bw (2018)

ARfD: 0.5 mg/kg bw (2018)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Sum of tioxazafen and benzamidine (benzenecarboximidamide), expressed as tioxazafen.
The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AB	1204	Cotton gin trash	0.02		CXL	2018	51		2019	
SO	0691	Cotton seed	0.01	(*)	CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.03		CXL	2018	51		2019	
PE	0112	Eggs	0.02	(*)	CXL	2018	51		2019	
GC	0645	Maize	0.01	(*)	CXL	2018	51		2019	
AS	0645	Maize fodder (dry)	0.03	(DM)	CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)	0.03		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.02		CXL	2018	51		2019	
ML	0106	Milks	0.02		CXL	2018	51		2019	
PF	0111	Poultry fats	0.02	(*)	CXL	2018	51		2019	
PM	0110	Poultry meat	0.02	(*)	CXL	2018	51		2019	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	2018	51		2019	
VD	0541	Soya bean (dry)	0.04		CXL	2018	51		2019	
AB	1265	Soya bean meal	0.06		CXL	2018	51		2019	
AL	0541	Soya bean, hay and/or straw	0.4	(DM)	CXL	2018	51		2019	

312 Afidopyropen

Main Uses: Insecticide

ADI: 0–0.08 mg/kg bw

ARfD: 0.2 mg/kg bw (for women of child-bearing age) (2019)

Residue: For compliance with the MRL for plant commodities: Afidopyropen.

For dietary risk assessment for plant commodities: Sum of afidopyropen + dimer of [(3R,6R,6aR,12S,12bR)-3-[(cyclopropanecarbonyloxy]-6,12-dihydroxy-4,6a,12b-trimethyl- 11-oxo-9-(pyridin-3-yl)-1,3,4,4a,5,6,6a,12,12a,12b-decahydro-2H,11H-naphtho[2,1-b]pyrano[3,4- e]pyran-4-yl]methyl rac-cyclopropanecarboxylate (M007).

For compliance with the MRL for animal commodities: Afidopyropen.

For dietary risk assessment for animal commodities, excluding liver: Afidopyropen + (3S,4R,4aR,6S, 6aS, 12R,12aS,12bS)-3,6,12-trihydroxy-4-(hydroxymethyl)-4,6a, 12b- trimethyl--9-(pyridin-3-yl)-1, 3,4,4a,5,6,6a,12, 12a,12b-decahydro-2H,11H-benzo- [f] pyrano[4,3- b]chromen-11-one (M001) + Cyclopropane carboxylic acid (CPCA/M061) and (2R)-3-carboxy-2-[(cyclopropylcarbonyloxy]- N, N, N-trimethylpropan-1- aminium chloride (CPCA-carnitine conjugate/M060), expressed as afidopyropen.

For dietary risk assessment for animal commodities, liver: Afidopyropen + (3S,4R,4aR,6S, 6aS, 12R,12aS,12bS)-3,6,12-trihydroxy-4-(hydroxymethyl)-4,6a, 12b-trimethyl--9-(pyridin-3-yl)-1, 3,4,4a,5,6,6a,12, 12a,12b-decahydro-2H,11H-benzo- [f] pyrano[4,3-b]chromen-11- one (M001) + Cyclopropane carboxylic acid (CPCA/M061) and (2R)-3-carboxy-2-[(cyclopropylcarbonyloxy]- N, N, N-trimethylpropan-1- aminium chloride (CPCA-carnitine conjugate/M060) + [(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-(cyclopropylcarbonyloxy]-6,12-dihydroxy- 4,6a,12b-trimethyl-9-(1-oxidopyridin-3-yl)-11-oxo-1,3,4,4a,5,6,6a,12,12a,12b-decahydro-2H, 11H- benzo[f]pyrano[4,3-b]chromen-4-yl]methyl cyclopropane-carboxylate (M017), expressed as afidopyropen.

The residue is not fat-soluble.

Note: ARfD: 0.3 mg/kg bw (for general population)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa, hay and/or straw	8 (dw)			CXL	2022	54		2023	
AM	0660 Almond hulls	0.6 (dw)			CXL	2019	52		2021	
DF	0226 Apples, dried	0.02		(peeled)	CXL	2019	52		2021	
VB	0041 Cabbages, head	0.5			CXL	2019	52		2021	
FS	0013 Cherries (subgroup)	0.03			CXL	2019	52		2021	
FC	0001 Citrus fruits (group)	0.15			CXL	2019	52		2021	
AB	0001 Citrus pulp, dried	0.4		(Based on processing studies on oranges)	CXL	2019	52		2021	
AL	1031 Clover, hay and/or straw	10 (dw)			CXL	2022	54		2023	
HH	3209 Coriander, leaves	5			CXL	2019	52		2021	
AB	1204 Cotton gin trash	1.5			CXL	2019	52		2021	
SO	0691 Cotton seed	0.08			CXL	2019	52		2021	
VC	0424 Cucumber	0.7			CXL	2019	52		2021	
HH	0730 Dill, leaves	5			CXL	2019	52		2021	
MO	0105 Edible offal (mammalian)	0.3			CXL	2022	54		2023	
VO	2046 Eggplants (subgroup)	0.15			CXL	2019	52		2021	
PE	0112 Eggs	0.03			CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR	
Code	Name										
VB	0042	Flowerhead brassicas (subgroup)	0.4			CXL	2019	52		2021	
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.05			CXL	2019	52		2021	
HS	0784	Ginger, rhizome	0.01	(*)	(fresh)	CXL	2019	52		2021	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	15	(dw)		CXL	2022	54		2023	
VL	2050	Leafy greens (subgroup)	2			CXL	2019	52		2021	
VL	0054	Leaves of Brassicaceae (subgroup)	5			CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)		CXL	2022	54		2023	
ML	0106	Milks	0.001	(*)		CXL	2022	54		2023	
OR	0004	Orange oil, edible	0.7		(Based on processing studies on oranges)	CXL	2019	52		2021	
HH	0740	Parsley, leaves	5		(leaves)	CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.015			CXL	2019	52		2021	
VO	0051	Peppers (subgroup)	0.1		MRL provisionally applies to okra, martynia, and roselle.	CXL	2019	52		2021	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	1			CXL	2019	52		2021	
FS	0014	Plums (including fresh prunes) (subgroup)	0.01	(*)		CXL	2019	52		2021	
FP	0009	Pome fruits (group)	0.03		(except persimmon)	CXL	2019	52		2021	
PF	0111	Poultry fats	0.015			CXL	2022	54		2023	
PM	0110	Poultry meat	0.01	(*)		CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.02			CXL	2022	54		2023	
GC	0651	Sorghum grain	0.2			CXL	2022	54		2023	
AS	3561	Sorghum, stover	0.3	(dw)		CXL	2022	54		2023	
VD	0541	Soya bean (dry)	0.01	(*)		CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0431	Squash, summer			CXL	2019	52		2021	
VS	2080	Stems and petioles (subgroup)			CXL	2019	52		2021	
FB	0275	Strawberry			CXL	2022	54		2023	
DV	0448	Tomato, dried			CXL	2019	52		2021	
VO	2045	Tomatoes (subgroup)			CXL	2019	52		2021	
TN	0085	Tree nuts (group)			CXL	2019	52		2021	
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2019	52		2021	
HS	0794	Turmeric, root		(fresh)	CXL	2019	52		2021	

313 Metconazole

Main Uses: Fungicide

ADI: 0–0.04 mg/kg bw (2019)

ARfD: 0.04 mg/kg bw (2019)

Residue: For compliance with MRL for plant and animal commodities: Metconazole (sum of cis and trans isomer).

For dietary risk assessment for plant commodities: Metconazole (sum of cis and trans isomer).

For compliance with MRL and dietary risk assessment for animal commodities: Sum of metconazole (cis and trans-isomer) and metabolites (1SR,2SR,5RS)-5-(4-chlorobenzyl)-2-(hydroxymethyl)-2-methyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (M1; free and conjugated) and (1RS,2SR,3RS)-3-(4-chlorobenzyl)-2-hydroxy-1-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanecarboxylic acid (M12; free and conjugated), expressed as metconazole.

The residue is not fat-soluble

Note: Triazole alanine and Triazole acetic

ADI: 0–1 mg/kg bw

ARfD: Unnecessary

1,2,4-triazole

ADI: 0–0.2 mg/kg bw

ARfD: 0.3 mg/kg bw

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.1	(*)		CXL	2019	52		2021
AS	0640	Barley, hay and/or straw	25	(dw)		CXL	2019	52		2021
VP	0061	Beans with pods (Phaseolus spp.) (immature pods and succulent seeds)	0.05	(*)		CXL	2019	52		2021
FB	0020	Blueberries	0.5			CXL	2019	52		2021
FS	0013	Cherries (subgroup)	0.3			CXL	2019	52		2021
AB	1204	Cotton gin trash	10	(dw)		CXL	2019	52		2021
SO	0691	Cotton seed	0.3			CXL	2019	52		2021
VD	2065	Dry beans (subgroup)	0.04	(*)	(except soya beans)	CXL	2019	52		2021
VD	2066	Dry peas (subgroup)	0.15			CXL	2019	52		2021
MO	0105	Edible offal (mammalian)	0.04	(*)		CXL	2019	52		2021
PE	0112	Eggs	0.04	(*)		CXL	2019	52		2021
VA	0381	Garlic	0.05	(*)		CXL	2019	52		2021
GC	0645	Maize	0.015			CXL	2019	52		2021
AS	0645	Maize fodder (dry)	7	(dw)		CXL	2019	52		2021
MF	0100	Mammalian fats (except milk fats)	0.04	(*)		CXL	2019	52		2021
MM	0095	Meat (from mammals other than marine mammals)	0.04	(*)		CXL	2019	52		2021
ML	0106	Milks	0.04	(*)		CXL	2019	52		2021

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0647	Oat straw and fodder, dry	25	(dw)	CXL	2019	52		2021	
VA	0385	Onion, bulb	0.05	(*)	CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.2		CXL	2019	52		2021	
SO	0697	Peanut	0.04	(*)	CXL	2019	52		2021	
OR	0697	Peanut oil, edible	0.06		CXL	2019	52		2021	
FS	0014	Plums (including fresh prunes) (subgroup)	0.1		CXL	2019	52		2021	
PF	0111	Poultry fats	0.04	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.04	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.04	(*)	CXL	2019	52		2021	
DF	0014	Prunes	0.5		CXL	2019	52		2021	
SO	0495	Rape seed	0.15		CXL	2019	52		2021	
OR	0495	Rape seed oil, edible	0.5		CXL	2019	52		2021	
AS	0650	Rye straw and fodder, dry	25	(dw)	CXL	2019	52		2021	
VD	0541	Soya bean (dry)	0.04		CXL	2019	52		2021	
AL	3354	Soya bean hay	8	(dw)	CXL	2019	52		2021	
VR	0596	Sugar beet	0.07		CXL	2019	52		2021	
GS	0659	Sugar cane	0.06		CXL	2019	52		2021	
SO	2091	Sunflower seeds (subgroup)	1.5		CXL	2019	52		2021	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.015		CXL	2019	52		2021	
TN	0085	Tree nuts (group)	0.04	(*)	CXL	2019	52		2021	
GC	0653	Triticale	0.15		CXL	2021	53		2023	
AS	0653	Triticale, hay and/or straw	25	(dw)	CXL	2019	52		2021	
VR	2071	Tuberous and corm vegetables (subgroup)	0.04	(*)	CXL	2019	52		2021	
GC	0654	Wheat	0.15		CXL	2021	53		2022	
CM	0654	Wheat bran, unprocessed	0.3		CXL	2021	53		2022	
AS	0654	Wheat, hay and/or straw	25	(dw)	CXL	2019	52		2021	

314 Pyflubumide

Main Uses: Acaricide

ADI: 0–0.007 mg/kg bw

ARfD: 0.008 mg/kg bw (2019)

Residue: For compliance with the MRL for plant commodities: Pyflubumide.

For estimation of dietary risk assessment for plant commodities: Sum of pyflubumide and 3'-isobutyl-1,3,5-trimethyl-4'-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethyl]pyrazole-4-carboxanilide, expressed as pyflubumide.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

315 Pyridate

Main Uses: Herbicide

ADI: 0–0.2 mg/kg bw

ARfD: 2 mg/kg bw (2019)

Residue: For compliance with the MRL for plant and animal commodities: Sum of pyridate and 6-chloro-4-hydroxy-3-phenylpyridazine (pyridafol) (incl. conjugates), expressed as pyridate.

JMPR (2022) was unable to reach a conclusion on the residue definitions for dietary risk assessment for plant and animal commodities.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

316 Pyrifluquinazon

Main Uses: Insecticide

ADI: 0–0.005 mg/kg bw

ARfD: 1 mg/kg bw (2019)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Sum of pyrifluquinazon and 1,2,3,4-tetrahydro-3-[(3-pyridylmethyl)amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]quinazolin-2-one (IV-01) expressed as pyrifluquinazon.

For compliance with the MRL for animal commodities: Tissues: Sum of 1,2,3,4-tetrahydro-3-[(3-pyridylmethyl)amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]quinazolin-2-one (IV-01) and 1,2,3,4-tetrahydro-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]quinazolin-2,4-dione (IV-203) and their conjugates (expressed as pyrifluquinazon).

Milk: 1,2,3,4-tetrahydro-3-[3-(1-oxy-pyridylmethylene)amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]quinazolin-2-one (IV-04) (expressed as pyrifluquinazon).

For dietary risk assessment for animal commodities: A conclusion could not be reached.

The residue is not fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

317 Triflumuron

Main Uses: Insecticide

ADI: 0–0.008 mg/kg bw

ARfD: Unnecessary (2019)

Residue: For compliance with the MRL for animal and plant commodities: Triflumuron.

For dietary risk assessment for animal and plant commodities: A conclusion could not be reached.

The residue is fat-soluble

Note: 4-trifluoromethoxyaniline (metabolite M07)

ADI: 0-0.02 mg/kg bw

ARfD: 0.02 mg/kg bw

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.05	(*)						
MF	0100	Mammalian fats (except milk fats)	0.1	(*)						
MM	0095	Meat (from mammals other than marine mammals)	0.1	(*) (fat)						
ML	0106	Milks	0.01	(*)						
VD	0541	Soya bean (dry)	0.1							

318 Valifenalate

Main Uses: Fungicide

ADI: 0-0.2 mg/kg bw

ARfD: Unnecessary (2019)

Residue: For compliance with the MRL for plant and animal commodities: Valifenalate.

For dietary risk assessment for plant commodities: Valifenalate and 3-(4-chlorophenyl)-3-[[N-(isopropoxycarbonyl)-L-valyl]amino]propionic acid (valifenalate-acid), free and conjugated, expressed as valifenalate.

For dietary risk assessment for animal commodities: Valifenalate and 3-(4-chlorophenyl)-3-[[N-(isopropoxycarbonyl)-L-valyl]amino]propionic acid (valifenalate-acid), expressed as valifenalate.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2019	52		2021	
VO	0440	Eggplant	0.4		CXL	2019	52		2021	
PE	0112	Eggs	0.01	(*)	CXL	2019	52		2021	
FB	0269	Grapes	0.3		CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	CXL	2019	52		2021	
ML	0106	Milks	0.01	(*)	CXL	2019	52		2021	
VA	0385	Onion, bulb	0.5		CXL	2019	52		2021	
PF	0111	Poultry fats	0.01	(*)	CXL	2019	52		2021	
PM	0110	Poultry meat	0.01	(*)	CXL	2019	52		2021	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2019	52		2021	
VA	0388	Shallot	0.5		CXL	2019	52		2021	
VO	0448	Tomato	0.4		CXL	2019	52		2021	

319 Flutianil

Main Uses: Fungicide

ADI: 0–0.8 mg/kg bw (2021)

ARfD: Unnecessary

Residue: For compliance with the MRL for plant and animal commodities: Flutianil.

For dietary risk assessment for plant commodities: Sum of flutianil and 2-fluoro-5- (trifluoromethyl)benzenesulfonic acid (OC 56635), expressed as flutianil.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	2021	53		2022	
FS	0013	Cherries (subgroup)			CXL	2021	53		2022	
FB	2008	Small fruit vine climbing (subgroup)			CXL	2021	53		2022	

320 Mefentrifluconazole

Main Uses: Fungicide

ADI: 0–0.04 mg/kg bw (2021)

ARfD: 0.3 mg/kg bw (2021)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Mefentrifluconazole.

For compliance with the MRL for animal commodities: Mefentrifluconazole (free and conjugated).

For dietary risk assessment for animal commodities: Sum of mefentrifluconazole (free and conjugated) + 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]propane-1,2-diol

(M750F022), free and conjugated, expressed as m]efentrifluconazole equivalents. The molecular weight conversion factor to express M750F022 in mefentrifluconazole equivalents = 1.15.

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls			CXL	2022	54		2023	
AB	0226	Apple pomace, dried			CXL	2022	54		2023	
FI	0326	Avocado			CXL	2022	54		2023	
FI	0327	Banana			CXL	2022	54		2023	
GC	0640	Barley			CXL	2022	54		2023	
CM	3510	Barley bran, unprocessed			CXL	2022	54		2023	
CF	3511	Barley, flour			CXL	2022	54		2023	
VP	2060	Beans with pods (subgroup)		(succulent seeds in pods) (except soya bean)	CXL	2022	54		2023	
VA	2031	Bulb onions (subgroup)			CXL	2022	54		2023	
FB	2006	Bush berries (subgroup)			CXL	2022	54		2023	
FB	2005	Cane berries (subgroup)			CXL	2022	54		2023	
FS	0013	Cherries (subgroup)			CXL	2022	54		2023	
OR	0001	Citrus oil, edible			CXL	2022	54		2023	
SB	0716	Coffee beans			CXL	2022	54		2023	
SO	0691	Cotton seed			CXL	2022	54		2023	
AS	3564	Dried distiller's grain from barley			CXL	2022	54		2023	
VD	2065	Dry beans (subgroup)		(except soya bean (dry))	CXL	2022	54		2023	
VD	2066	Dry peas (subgroup)		(except lentil (dry))	CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)			CXL	2022	54		2023	
VO	2046	Eggplants (subgroup)			CXL	2022	54		2023	
PE	0112	Eggs			CXL	2022	54		2023	
FB	0267	Elderberries			CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.15		CXL	2022	54		2023	
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.5		CXL	2022	54		2023	
AB	0269	Grape pomace, dried	9		CXL	2022	54		2023	
VA	2032	Green onions (subgroup)	4		CXL	2022	54		2023	
FB	2254	Guelder rose	5		CXL	2022	54		2023	
VL	2050	Leafy greens (subgroup)	30		4	2022	54			On the basis of the information provided to JMPR (2022) it was concluded that the estimated acute dietary exposure to residues of mefenitruconazole for the consumption of commodities from the subgroups of Leafy greens and Leaves of Brassicaceae may present a public health concern. CCPR noted the concern form submitted by USA requesting that head lettuce be evaluated separately from the leafy vegetables (subgroup), as the residue data available for head lettuce was considerably lower than that for other types of leafy greens. The JMPR Secretariat agreed to review the USA concern form at the upcoming 2023 JMPR meeting. CCPR agreed to retain the MRL for leafy greens (subgroup) at Step 4 awaiting the outcome of the 2023 JMPR evaluation (54:153-155). Withdrawal recommended by JMPR (2023).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		CXL	2022	54		2023	
VD	0533	Lentil (dry)	1.5		CXL	2022	54		2023	
VL	0482	Lettuce, head	5		3	2023	55			
VL	0483	Lettuce, leaf	15		3	2023	55			On the basis of the information Provided to JMPR (2023) it was concluded that the estimated acute dietary exposure to residues of mefentrifluconazole for the consumption of leaf lettuce and spinach may present a public health concern.
FB	2009	Low growing berries (subgroup)	2		CXL	2022	54		2023	
GC	0645	Maize	0.01	(*)	CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)	1.5		CXL	2022	54		2023	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	1.5		CXL	2022	54		2023	
FI	0345	Mango	0.6		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.15	(fat)	CXL	2022	54		2023	
ML	0106	Milks	0.1		CXL	2022	54		2023	
GC	0646	Millet	2		CXL	2022	54		2023	
GC	0647	Oats	3		CXL	2022	54		2023	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1		CXL	2022	54		2023	
FI	0350	Papaya	0.5		CXL	2022	54		2023	
AL	0072	Pea, hay and/or straw	30	(dw)	CXL	2022	54		2023	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	2		CXL	2022	54		2023	
SO	0697	Peanut	0.01	(*)	CXL	2022	54		2023	
AL	0697	Peanut, hay and/or straw	40	(dw)	CXL	2022	54		2023	
VP	2061	Peas with pods (subgroup)	0.15		CXL	2022	54		2023	
VO	0051	Peppers (subgroup)	1.5		CXL	2022	54		2023	MRL provisionally applies to okra, martynia, and roselle. Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2022	54		2023	
FP	0009	Pome fruits (group)		(except persimmon, Japanese)	CXL	2022	54		2023	
GC	0656	Popcorn			CXL	2022	54		2023	
PF	0111	Poultry fats			CXL	2022	54		2023	
PM	0110	Poultry meat		(fat)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of			CXL	2022	54		2023	
DF	0014	Prunes			CXL	2022	54		2023	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2022	54		2023	
GC	0649	Rice			CXL	2022	54		2023	
CM	0649	Rice, husked			CXL	2022	54		2023	
VR	2070	Root vegetables (subgroup)		(except sugar beet)	CXL	2022	54		2023	
GC	0650	Rye			CXL	2022	54		2023	
SO	2090	Small seed oilseeds (subgroup)			CXL	2022	54		2023	
GC	0651	Sorghum grain			CXL	2022	54		2023	
VD	0541	Soya bean (dry)			CXL	2022	54		2023	
AL	0541	Soya bean, hay and/or straw		(dw)	CXL	2022	54		2023	
VL	0502	Spinach			3	2023	55			(See lettuce, leaf)
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(dw)	CXL	2022	54		2023	
VP	2062	Succulent beans without pods (subgroup)		(succulent seeds) (except soya bean)	CXL	2022	54		2023	
VP	2063	Succulent peas without pods (subgroup)			CXL	2022	54		2023	
GS	0659	Sugar cane			CXL	2022	54		2023	
SO	2091	Sunflower seeds (subgroup)			CXL	2022	54		2023	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)			CXL	2022	54		2023	
DV	0448	Tomato, dried			CXL	2022	54		2023	
VO	2045	Tomatoes (subgroup)			CXL	2022	54		2023	
TN	0085	Tree nuts (group)			CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0653	Triticale			CXL	2022	54		2023	
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2022	54		2023	
GC	0654	Wheat			CXL	2022	54		2023	
CF	3521	Wheat aspirated grain fractions			CXL	2022	54		2023	
CM	0654	Wheat bran, unprocessed			CXL	2022	54		2023	
CF	1210	Wheat germ			CXL	2022	54		2023	
CF	3515	Wheat, shorts (cereal grain milling by-product)			CXL	2022	54		2023	
FB	1236	Wine-grapes			CXL	2022	54		2023	

321 Pyrasulfotole

Main Uses: Herbicide

ADI: 0–0.01 mg/kg bw

ARfD: Unnecessary

Residue: For compliance with the MRL and for dietary risk assessment for plant commodities: Sum of pyrasulfotole and desmethyl-pyrasulfotole and its conjugates, expressed as pyrasulfotole.

For compliance with the MRL and for dietary risk assessment for animal commodities: Sum of pyrasulfotole and desmethyl-pyrasulfotole, expressed as pyrasulfotole.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2021	53		2022	
AS	0640	Barley, hay and/or straw		(dw)	CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)			CXL	2021	53		2022	
PE	0112	Eggs		(*)	CXL	2021	53		2022	
MF	0100	Mammalian fats (except milk fats)		(*)	CXL	2021	53		2022	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	2021	53		2022	
ML	0106	Milks		(*)	CXL	2021	52		2022	
AS	3559	Oat, hay and/or straw		(dw)	CXL	2021	53		2022	
GC	0647	Oats			CXL	2021	53		2022	
PF	0111	Poultry fats		(*)	CXL	2021	53		2022	
PM	0110	Poultry meat		(*)	CXL	2021	53		2022	
PO	0111	Poultry, edible offal of			CXL	2021	53		2022	
GC	0650	Rye		(*)	CXL	2021	53		2022	
AS	3560	Rye, hay and/or straw		(dw)	CXL	2021	53		2022	
GC	0651	Sorghum grain			CXL	2021	53		2022	
GC	0653	Triticale		(*)	CXL	2021	53		2022	
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2021	53		2022	
GC	0654	Wheat		(*)	CXL	2021	53		2022	
CM	0654	Wheat bran, unprocessed			CXL	2021	53		2022	
AS	0654	Wheat, hay and/or straw		(dw)	CXL	2021	53		2022	

322 Pyraziflumid

Main Uses: Fungicide

ADI: 0–0.02 mg/kg bw (2021)

ARfD: 2 mg/kg bw (2021)

Residue: For compliance with the MRL for plant commodities: Pyraziflumid.

For dietary risk assessment for plant commodities: Pyraziflumid.

For compliance with the MRL for animal commodities: Pyraziflumid and its pyraziflumid-4'-OH metabolite (free), expressed as pyraziflumid.

For dietary risk assessment for animal commodities: Pyraziflumid and its pyraziflumid-4'-OH metabolite (free and conjugated), expressed as pyraziflumid.

The residue is fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	2021	53		2022	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	2021	53		2022	
FB	0269	Grapes			CXL	2021	53		2022	
FP	0230	Pear			CXL	2021	53		2022	
FP	0307	Persimmon, Japanese			CXL	2021	53		2022	

323 Spiropidion

Main Uses: Insecticide

ADI: 0–0.02 mg/kg bw (2021)

ARfD: 0.3 mg/kg bw (2021)

Residue: For compliance with the MRL for plant commodities: Sum of spiropidion and spiropidion-enol (SYN547305) expressed as spiropidion.

For dietary risk assessment for plant commodities: Sum of spiropidion, spiropidion-enol (SYN547305), 3-(4-chloro-2,6-dimethyl-phenyl)-4-hydroxy-8-methoxy-1,8- diazaspiro[4.5]dec-3-en-2-one (SYN547435) and 3-(4-chloro-2,6-dimethyl-phenyl)-4-hydroxy-1- methyl-1,8-diazaspiro[4.5]dec-3-en-2-one (SYN548430), expressed as spiropidion.

For compliance with the MRL for animal commodities: spiropidion-enol (SYN547305) expressed as spiropidion.

For dietary risk assessment for animal commodities: Free and conjugated spiropidion-enol (SYN547305) expressed as spiropidion. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0424	Cucumber	0.8		CXL	2021	53		2022	
MO	0105	Edible offal (mammalian)	0.2		CXL	2021	53		2022	
PE	0112	Eggs	0.012	(*)	CXL	2021	53		2022	
MF	0100	Mammalian fats (except milk fats)	0.025		CXL	2021	53		2022	
MM	0095	Meat (from mammals other than marine mammals)	0.012	(*)	CXL	2021	53		2022	
VC	0046	Melons, except watermelon	0.9		CXL	2021	53		2022	
ML	0106	Milks	0.012	(*)	CXL	2021	53		2022	
VO	0051	Peppers (subgroup)	1		CXL	2021	53		2022	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried	7		CXL	2021	53		2022	
VR	0589	Potato	1.5		CXL	2021	53		2022	
DV	0589	Potato, flakes/granules	5		CXL	2021	53		2022	
PF	0111	Poultry fats	0.012	(*)	CXL	2021	53		2022	
PM	0110	Poultry meat	0.012	(*)	CXL	2021	53		2022	
PO	0111	Poultry, edible offal of	0.012	(*)	CXL	2021	53		2022	
VC	0429	Pumpkins	0.9		CXL	2021	53		2022	
VD	0541	Soya bean (dry)	3		CXL	2021	53		2022	
AL	3539	Soya bean, meal	5		CXL	2021	53		2022	
DM	0541	Soya flour	5		CXL	2021	53		2022	
VO	0448	Tomato	0.8		CXL	2021	53		2022	
DV	0448	Tomato, dried	7		CXL	2021	53		2022	
DM	0448	Tomato, puree	1.5		CXL	2021	53		2022	
VC	0432	Watermelon	0.9		CXL	2021	53		2022	
VC	0433	Winter squash	0.9		CXL	2021	53		2022	

324 Tetraniliprole

Main Uses: Insecticide

ADI: 0–2 mg/kg bw (2021)

ARfD: Unnecessary (2021)

Residue: For compliance with the MRL for plant commodities: Tetraniliprole.

For dietary risk assessment for plant commodities: Tetraniliprole + tetraniliprole-N-methyl- quinazolinone, expressed as tetraniliprole.

For compliance with the MRL for animal commodities: Tetraniliprole.

For dietary risk assessment for animal commodities: Tetraniliprole + tetraniliprole-N-methyl- quinazolinone + tetraniliprole-benzylalcohol, expressed as tetraniliprole.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	4	(dw)						
VB	0041	Cabbages, head	2							
AS	3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.2	(dw)	(except rice, maize/field corn and sweet corn)					
FS	0013	Cherries (subgroup)	1.5							
MO	0105	Edible offal (mammalian)	1							
PE	0112	Eggs	0.01	(*)						
VB	0042	Flowerhead brassicas (subgroup)	0.5							
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.4		MRL provisionally applies to okra, martynia, and roselle.					Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2							
VL	0054	Leaves of Brassicaceae (subgroup)	15							
AL	3301	Legume feeds with low water (<20%) content (hay) (subgroup)	0.3	(dw)						
FC	0002	Lemons and limes (including citron) (subgroup)	1.5							
GC	2091	Maize cereals (subgroup)	0.015							
AS	3558	Maize, stover	30	(dw)						

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)			CXL	2022	54		2023	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			4	2022	54			The EU noted that there were an insufficient number of residue trials to propose an MRL for mandarins (including mandarin-like hybrids) (subgroup). The JMPR Secretariat agreed with the EU's position on the MRL for mandarins (including mandarin-like hybrids) and will re-evaluate the data at the next meeting. CCPR agreed to retain the MRL for mandarins (including mandarin-like hybrids) (subgroup) at Step 4 awaiting the outcome of the 2023 JMPR evaluation (54:157-159).
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)			CXL	2022	54		2023	
ML	0106	Milks			CXL	2022	54		2023	
OR	0004	Orange oil, edible			CXL	2022	54		2023	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2022	54		2023	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2022	54		2023	
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2022	54		2023	
FP	0009	Pome fruits (group)		(except persimmon, Japanese)	CXL	2022	54		2023	
PF	0111	Poultry fats			CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PM	0110	Poultry meat	0.01	(*)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2022	54		2023	
DF	0014	Prunes	1.5		CXL	2022	54		2023	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.9		CXL	2022	54		2023	
GC	2088	Rice cereals (subgroup)	0.02		CXL	2022	54		2023	
AS	0649	Rice, hay and/or straw	20	(dw)	CXL	2022	54		2023	
CM	0649	Rice, husked	0.01	(*)	CXL	2022	54		2023	
CM	1205	Rice, polished	0.01	(*)	CXL	2022	54		2023	
FB	2008	Small fruit vine climbing (subgroup)	1.5		CXL	2022	54		2023	
VD	0541	Soya bean (dry)	0.2		CXL	2022	54		2023	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2022	54		2023	
DM	3526	Tomato paste	1.5		CXL	2022	54		2023	
TN	0085	Tree nuts (group)	0.03		CXL	2022	54		2023	
VR	2071	Tuberous and corm vegetables (subgroup)	0.02		CXL	2022	54		2023	

325 Benzpyrimoxan

Main Uses: Insecticide

ADI: 0–0.1 mg/kg bw (2022)

ARfD: Unnecessary (2022)

Residue: For compliance with the MRL for plant commodities: Benzpyrimoxan.

For dietary risk assessment for plant commodities: Sum of benzpyrimoxan and benzpyrimoxan-2-OH, expressed as benzpyrimoxan.

For compliance with the MRL and dietary risk assessment for animal commodities: Sum of benzpyrimoxan, benzpyrimoxan-acid and benzpyrimoxan-acid-2-OH, expressed as benzpyrimoxan.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									

326 Broflanilide

Main Uses: Insecticide

ADI: 0–0.02 mg/kg bw (2022)

ARfD: Unnecessary (2022)

Residue: For compliance with the MRL and dietary risk assessment for plant commodities: Broflanilide.

For compliance with the MRL and dietary risk assessment for animal commodities: Sum of broflanilide plus 3-benzamido-N-[2-bromo-4-(perfluoropropan-2-yl)-6-(trifluoromethyl)phenyl]-2-fluorobenzamide (DM-8007), expressed as broflanilide.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0041	Cabbages, head	2		CXL	2022	54		2023	
GC	0080	Cereal grains (group)	0.001	(*)	(except rice)	CXL	2022	54	2023	
AS	3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.01	(dw)	(except rice feed products)	CXL	2022	54	2023	
VL	0466	Chinese cabbage (type pack-choi)	2		CXL	2022	54		2023	
SB	0716	Coffee beans	0.01		CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.03		CXL	2022	54		2023	
PE	0112	Eggs	0.03		CXL	2022	54		2023	
CF	1255	Maize flour	0.002		CXL	2022	54		2023	
AS	3569	Maize, bran	0.002		CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)	0.15		CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.15	(fat)	CXL	2022	54		2023	
FM	0183	Milk fats	0.4		CXL	2022	54		2023	
ML	0106	Milks	0.015		CXL	2022	54		2023	
PF	0111	Poultry fats	0.15		CXL	2022	54		2023	
PM	0110	Poultry meat	0.02	(*)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.03		CXL	2022	54		2023	
VR	0591	Radish, Japanese	0.01		CXL	2022	54		2023	
VR	2071	Tuberous and corm vegetables (subgroup)	0.04		CXL	2022	54		2023	
CF	1210	Wheat germ	0.002		CXL	2022	54		2023	

327 Fluazaindolizine

Main Uses: Nematocide

ADI: 0–0.3 mg/kg bw (2022)

ARfD: 1 mg/kg bw (2022)

Residue: For compliance with the MRL for plant and animal commodities: Fluazaindolizine.

For dietary risk assessment for plant commodities: Fluazaindolizine, and free and conjugated forms of the following compounds: 2-chloro-5-hydroxybenzenesulfonamide (IN- A5760), 2-chloro-5-methoxybenzenesulfonamide (IN-F4106), 8-chloro-6-(trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxylic acid (IN-QEK31), 3-[[[(2-chloro-5-methoxyphenyl)sulfonyl]amino]-L-alanine (IN-QZY47), 8-chloro-N-[(2-chloro-5- hydroxyphenyl)sulfonyl]-6-(trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxamide (IN-REG72), 8-chloro-6- (trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxamide (IN-RYC33) and 3-[[[(2-chloro-5-methoxyphenyl)sulfonyl]amino]-(2R)- hydroxypropanoic acid (IN-TMQ01) (expressed as fluazaindolizine). This can be implemented by taking the maximum of the sum of compounds containing the imidazopyridine ring and hydrolysed using acid to IN-A5760, IN-F4106, IN-QZY47 and IN-TMQ01 (expressed as fluazaindolizine) OR compounds containing the phenyl ring and hydrolysed to 8-chloro-6- (trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxylic acid (IN-QEK31) (expressed as fluazaindolizine).

For dietary risk assessment for animal commodities: Sum of fluazaindolizine, 2-chloro-5- hydroxybenzenesulfonamide (IN-A5760), 2-chloro-5-methoxybenzenesulfonamide (IN-F4106), and 3-[[[(2-chloro-5- methoxyphenyl)sulfonyl]amino]-(2R)-hydroxypropanoic acid (IN-TMQ01) (expressed as fluazaindolizine).

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.02		CXL	2022	54		2023	
VA	0035	Bulb vegetables (group)	0.04		CXL	2022	54		2023	
VR	0577	Carrot	0.4		CXL	2022	54		2023	
GC	0080	Cereal grains (group)	0.03		CXL	2022	54		2023	
AS	3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.09 (dw)		CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.01		CXL	2022	54		2023	
VO	2046	Eggplants (subgroup)	0.15		CXL	2022	54		2023	
PE	0112	Eggs	0.01 (*)		CXL	2022	54		2023	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.15		CXL	2022	54		2023	
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.1		CXL	2022	54		2023	
VL	0053	Leafy vegetables (group)	0.04		CXL	2022	54		2023	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	3301	Legume feeds with low water (<20%) content (hay) (subgroup)			CXL	2022	54		2023	
VP	0060	Legume vegetables (group)			CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)			CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2022	54		2023	
FM	0183	Milk fats			CXL	2022	54		2023	
ML	0106	Milks			CXL	2022	54		2023	
SO	0088	Oilseeds and oilfruits (group)			CXL	2022	54		2023	
VO	0051	Peppers (subgroup)		MRL exceptionally applies to okra, martynia, and roselle.	CXL	2022	54		2023	Pending submission of residue trial data to clarify the suitable classification and representative commodity for okra, martynia, and roselle.
HS	0444	Peppers chili, dried			CXL	2022	54		2023	
PF	0111	Poultry fats			CXL	2022	54		2023	
PM	0110	Poultry meat			CXL	2022	54		2023	
PO	0111	Poultry, edible offal of			CXL	2022	54		2023	
VD	0070	Pulses (group)			CXL	2022	54		2023	
AM	3583	Rape seed, hay and/or straw	(dw)		CXL	2022	54		2023	
VR	2070	Root vegetables (subgroup)		(except carrot)	CXL	2022	54		2023	
VS	0078	Stalk and stem vegetables			CXL	2022	54		2023	
FB	0275	Strawberry			CXL	2022	54		2023	
DV	0448	Tomato, dried			CXL	2022	54		2023	
VO	2045	Tomatoes (subgroup)			CXL	2022	54		2023	
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2022	54		2023	

328 Fluindapyr

Main Uses: Fungicide

ADI: 0–0.04 mg/kg bw (2022)

ARfD: 0.6 mg/kg bw (2022)

Residue: For compliance with the MRL assessment for plant commodities: Fluindapyr.

For compliance with the MRL assessment for animal commodities: Fluindapyr.

For dietary risk assessment for plant commodities: Sum of fluindapyr and 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide (1-OH-Met-fluindapyr) and its conjugates, expressed as parent.

For dietary risk assessment for animal commodities: Sum of fluindapyr, 4-(3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamido)-7-fluoro-1,3-dimethyl-2,3-dihydro-1H-indene-1-carboxylic acid (1-COOH-fluindapyr), 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide (1-OH-Met-fluindapyr), 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide (1-OH-Met-N-DesMet-fluindapyr) and their conjugates, and 3-(difluoromethyl)-N-(7-fluoro-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)-1H-pyrazole-4-carboxamide (N-DesMet-fluindapyr), expressed as fluindapyr.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	20 (dw)			CXL	2022	54		2023	
GC	2091 Maize cereals (subgroup)	0.01 (*)			CXL	2022	54		2023	
AS	3558 Maize, stover	5 (dw)			CXL	2022	54		2023	
GC	2089 Sorghum grain and millet (subgroup)	1			CXL	2022	54		2023	
AS	3561 Sorghum, stover	3 (dw)			CXL	2022	54		2023	
GC	0447 Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01 (*)			CXL	2022	54		2023	
AS	3563 Sweet corn, stover	30 (dw)			CXL	2022	54		2023	
TN	0085 Tree nuts (group)	0.04			CXL	2022	54		2023	
AS	0654 Wheat, hay and/or straw	15 (dw)			CXL	2022	54		2023	
GC	2086 Wheat, similar grains, and pseudocereals without husks (subgroup)	0.4			CXL	2022	54		2023	

329 Inpyrfluxam

Main Uses: Fungicide

ADI: 0–0.06 mg/kg bw (2022)

ARfD: 0.3 mg/kg bw (2022)

Residue: For compliance with the MRL for plant commodities: Inpyrfluxam.

For dietary risk assessment for plant commodities: Inpyrfluxam.

For compliance with the MRL and dietary risk assessment for animal commodities: Inpyrfluxam and 1'-CH₂OH-S-2840 (free or conjugated) expressed as inpyrfluxam.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	4		CXL	2022	54		2023	
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	2022	54		2023	
PE	0112	Eggs	0.02	(*)	CXL	2022	54		2023	
GC	0645	Maize	0.01	(*)	CXL	2022	54		2023	
AS	3558	Maize, stover	0.02	(*)	CXL	2022	54		2023	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2022	54		2023	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL	2022	54		2023	
ML	0106	Milks	0.02	(*)	CXL	2022	54		2023	
SO	0697	Peanut	0.01	(*)	CXL	2022	54		2023	
AL	0697	Peanut, hay and/or straw	3		CXL	2022	54		2023	
GC	0656	Popcorn	0.01	(*)	CXL	2022	54		2023	
PF	0111	Poultry fats	0.02	(*)	CXL	2022	54		2023	
PM	0110	Poultry meat	0.02	(*)	CXL	2022	54		2023	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	2022	54		2023	
CM	0649	Rice, husked	0.01	(*)	CXL	2022	54		2023	
VD	4521	Soybean (dry)	0.01	(*)	CXL	2022	54		2023	
VR	0596	Sugar beet	0.01	(*)	CXL	2022	54		2023	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2022	54		2023	

330 Isoflucypram

Main Uses: Fungicide

ADI: 0–0.06 mg/kg bw (2022)

ARfD: Unnecessary (2022)

Residue: For compliance with the MRL for plant and animal commodities: Isoflucypram.

For dietary risk assessment for plant and animal commodities: A conclusion could not be reached.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			3	2023	55			
CM	3510	Barley bran, unprocessed			3	2023	55			
CF	3511	Barley, flour			3	2023	55			
AS	0640	Barley, hay and/or straw			3	2023	55			
MO	0105	Edible offal (mammalian)		(*)	3	2023	55			
PE	0112	Eggs		(*)	3	2023	55			
MF	0100	Mammalian fats (except milk fats)		(*)	3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)		(*)	3	2023	55			
FM	0183	Milk fats		(*)	3	2023	55			
ML	0106	Milks		(*)	3	2023	55			
PF	0111	Poultry fats		(*)	3	2023	55			
PM	0110	Poultry meat		(*)	3	2023	55			
PO	0111	Poultry, edible offal of		(*)	3	2023	55			
GC	0653	Triticale			3	2023	55			
AS	0653	Triticale, hay and/or straw			3	2023	55			
GC	0654	Wheat			3	2023	55			
CM	0654	Wheat bran, unprocessed			3	2023	55			
CF	1210	Wheat germ			3	2023	55			
AS	0654	Wheat, hay and/or straw			3	2023	55			

331 1,4-Dimethylnaphthalene

Main Uses: Plant growth regulator

ADI: 0-0.3 mg/kg bw (2023)

ARfD: Unnecessary (2023)

Residue: For compliance with the MRL for plant commodities: 1,4-dimethylnaphthalene.

For dietary risk assessment for plant commodities: Sum of 1,4-dimethylnaphthalene and metabolite 1-hydroxymethyl-4-methylnaphthalene (M21), expressed as 1,4-dimethylnaphthalene.

For compliance with the MRL for animal commodities, except milk: Sum of 1,4-dimethylnaphthalene and metabolite 4-methyl-1-naphthoic acid (M23), expressed as 1,4-dimethylnaphthalene. The residue in animal commodities except milk is fat-soluble.

For compliance with the MRL for milk: Glycine conjugate of 4-methyl-1-naphthoic acid (M02). The residue definition in milk is not fat-soluble.

For dietary risk assessment for animal commodities: Sum of 1,4-dimethylnaphthalene, metabolite 4-methyl-1-naphthoic acid (M23), and its glycine conjugate 4-methyl-1-naphthoic acid (M02) expressed as 1,4-dimethylnaphthalene.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.5		3	2023	55			
PE	0112	Eggs	0.03		3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.03		3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)	0.03	(fat)	3	2023	55			
ML	0106	Milks	0.03		3	2023	55			
VR	0589	Potato	15	(Po)	3	2023	55			
PF	0111	Poultry fats	0.3		3	2023	55			
PM	0110	Poultry meat	0.3	(fat)	3	2023	55			
PO	0111	Poultry, edible offal of	0.2		3	2023	55			

332 Florylpicoxamid

Main Uses: Fungicide

ADI: 0-0.1 mg/kg bw (2023)

ARfD: Unnecessary (2023)

Residue: For compliance with the MRL and dietary exposure for plant commodities: Sum of florylpicoxamid and X12485649 expressed as florylpicoxamid.

For compliance with the MRL and dietary exposure for animal commodities: Sum of florylpicoxamid and X12485649 expressed as florylpicoxamid.

The residue is fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.4		3	2023	55			
MO	0105	Edible offal (mammalian)	0.09		3	2023	55			
VO	2046	Eggplants (subgroup)	0.9		3	2023	55			
PE	0112	Eggs	0.02		3	2023	55			
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.3		3	2023	55			
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.4		3	2023	55			
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	7		3	2023	55			
FB	0269	Grapes	3		3	2023	55			
VD	0533	Lentil (dry)	0.02		3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.15		3	2023	55			
FI	0345	Mango	0.5		3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)	0.15		3	2023	55			
ML	0106	Milks	0.03		3	2023	55			
VO	0444	Peppers chili	0.8		3	2023	55			
HS	0444	Peppers chili, dried	8		3	2023	55			
VO	0445	Peppers, sweet (including pimento or pimiento)	0.8		3	2023	55			
PF	0111	Poultry fats	0.02		3	2023	55			
PM	0110	Poultry meat	0.02		3	2023	55			
PO	0111	Poultry, edible offal of	0.02		3	2023	55			
SO	0495	Rape seed	0.15		3	2023	55			
FB	0275	Strawberry	1.5		3	2023	55			
VR	0596	Sugar beet	0.05		3	2023	55			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DV	0448	Tomato, dried	6		3	2023	55			
VO	2045	Tomatoes (subgroup)	0.9		3	2023	55			
GC	0654	Wheat	0.03		3	2023	55			
CM	0654	Wheat bran, unprocessed	0.07		3	2023	55			
CF	3522	Wheat gluten meal	0.04		3	2023	55			
AS	0654	Wheat, hay and/or straw	2	(dw)	3	2023	55			

334 Isocycloseram

Main Uses: Insecticide

ADI: 0–0.02 mg/kg bw (2023)

ARfD: 0.5 mg/kg bw (2023)

Residue: For compliance with the MRL for plant commodities and for dietary risk assessment for plant commodities: Isocycloseram.

For compliance with the MRL for animal commodities: Isocycloseram.

For dietary risk assessment for animal commodities: Sum of isocycloseram and metabolites N-[2-amino-1-(hydroxymethyl)-2-oxo-ethyl]-4-[5-(3,5-dichloro-4-fluoro-phenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-2-methyl-benzamide and 4-[5-(3,5-dichloro-4-fluoro-phenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-2-methyl-N-(3-oxoisoxazolidin-4-yl)benzamide (expressed as isocycloseram).

The residue is fat-soluble.

Note: ARfD = 0.08 mg/kg bw (women of child-bearing age)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AB	1230	Apple pomace, wet	1		3	2023	55			
VB	0400	Broccoli	0.7		3	2023	55			
VB	0402	Brussels sprouts	2		3	2023	55			
VB	0041	Cabbages, head	4		3	2023	55			
VB	0404	Cauliflower	0.5		3	2023	55			
FS	0013	Cherries (subgroup)	1		3	2023	55			
OR	0001	Citrus oil, edible	80		3	2023	55			
SB	0716	Coffee beans	0.04		3	2023	55			
SO	0691	Cotton seed	0.5		3	2023	55			
VC	0424	Cucumber	0.1		3	2023	55			
MO	0105	Edible offal (mammalian)	0.3		3	2023	55			
VO	0440	Eggplant	0.3		3	2023	55			
FC	0002	Lemons and limes (including citron) (subgroup)	0.5		3	2023	55			
GC	0645	Maize	0.01	(*)	3	2023	55			
AS	3558	Maize, stover	1.5		3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.4		3	2023	55			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.4		3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)	0.02		3	2023	55			
VC	0046	Melons, except watermelon	0.15		3	2023	55			
ML	0106	Milks	0.05		3	2023	55			
VA	0385	Onion, bulb	0.01	(*)	3	2023	55			
AB	0004	Orange, dried pulp	3		3	2023	55			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		3	2023	55			
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.3		3	2023	55			
VO	0444	Peppers chili	0.6		3	2023	55			
HS	0444	Peppers chili, dried	4.2		3	2023	55			
VO	0445	Peppers, sweet (including pimento or pimiento)	0.3		3	2023	55			
FS	0014	Plums (including fresh prunes) (subgroup)	0.4		3	2023	55			
FP	0009	Pome fruits (group)	0.4		3	2023	55			
VR	0589	Potato	0.01	(*)	3	2023	55			
DF	0014	Prunes	1.5		3	2023	55			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.3		3	2023	55			
VD	0541	Soya bean (dry)	0.15		3	2023	55			
AL	0541	Soya bean, hay and/or straw	20		3	2023	55			
AL	3538	Soya bean, hulls	1		3	2023	55			
VC	0431	Squash, summer	0.09		3	2023	55			
VO	0448	Tomato	0.5		3	2023	55			
DV	0448	Tomato, dried	2		3	2023	55			
DM	3525	Tomato, pomace	8		3	2023	55			

335 Isotianil

Main Uses: Fungicide

ADI: 0-0.05 mg/kg bw (2023)

ARfD: Unnecessary (2023)

Residue: For compliance with the MRL for plant commodities: Isotianil.

For compliance with the MRL for animal commodities and for dietary risk assessment for plant and animal commodities: Sum of isotianil and 3,4-dichloro-1,2-thiazole-5-carboxylic acid (DCIT-acid).

The residue is not fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.01	(*)	3	2023	55			
OR	0001	Citrus oil, edible	40		3	2023	55			
MO	0105	Edible offal (mammalian)	0.02	(*)	3	2023	55			
FC	0002	Lemons and limes (including citron) (subgroup)	0.5		3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	3	2023	55			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.4		3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	3	2023	55			
ML	0106	Milks	0.02	(*)	3	2023	55			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		3	2023	55			
PF	0111	Poultry fats	0.02	(*)	3	2023	55			
PM	0110	Poultry meat	0.02	(*)	3	2023	55			
PO	0111	Poultry, edible offal of	0.02	(*)	3	2023	55			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.2		3	2023	55			

336 Mepiquat Chloride

Main Uses: Plant growth regulator

ADI: 0–0.3 mg/kg bw (2023)

ARfD: 0.6 mg/kg bw (2023)

Residue: For compliance with the MRL for plant and animal commodities: Mepiquat cation.

For dietary exposure assessment for plant commodities: Mepiquat cation.

For dietary exposure assessment for animal commodities: Mepiquat cation and 4-hydroxy-1,1-dimethylpiperidinium cation (4-hydroxymepiquat cation, free and conjugated), expressed as mepiquat cation.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0691 Cotton seed	4		(expressed as mepiquat cation)	3	2023	55			
AB	1203 Cotton seed, meal	8		(expressed as mepiquat cation)	3	2023	55			
SO	3149 Cottonseed, delinted	1.6			3	2023	55			
MO	0105 Edible offal (mammalian)	0.04		(expressed as mepiquat cation)	3	2023	55			
PE	0112 Eggs	0.008 (*)		(expressed as mepiquat cation)	3	2023	55			
AB	0269 Grape pomace, dried	15		(expressed as mepiquat cation)	3	2023	55			
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	20		(expressed as mepiquat cation)	3	2023	55			
FB	0269 Grapes	4		(expressed as mepiquat cation)	3	2023	55			
MF	0100 Mammalian fats (except milk fats)	0.01		(expressed as mepiquat cation)	3	2023	55			
MM	0095 Meat (from mammals other than marine mammals)	0.01		(expressed as mepiquat cation)	3	2023	55			
ML	0106 Milks	0.008 (*)		(expressed as mepiquat cation)	3	2023	55			
PF	0111 Poultry fats	0.008 (*)		(expressed as mepiquat cation)	3	2023	55			
PM	0110 Poultry meat	0.008 (*)		(expressed as mepiquat cation)	3	2023	55			
PO	0111 Poultry, edible offal of	0.008 (*)		(expressed as mepiquat cation)	3	2023	55			

337 Tricyclazole

Main Uses: Fungicide

ADI: 0-0.05 mg/kg bw (2023)

ARfD: 0.05 mg/kg bw (2023)

Residue: For compliance with the MRL for plant and animal commodities: Tricyclazole.

For risk assessment for plant and animal commodities: Sum of tricyclazole and 1,3,4-triazolo[3,4-b][1,3]benzo-thiazol-5-methanol, expressed as tricyclazole.

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.1		3	2023	55			
PE	0112	Eggs	0.01	(*)	3	2023	55			
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	3	2023	55			
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	3	2023	55			
ML	0106	Milks	0.01	(*)	3	2023	55			
PF	0111	Poultry fats	0.01	(*)	3	2023	55			
PM	0110	Poultry meat	0.01	(*)	3	2023	55			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2023	55			
GC	0649	Rice	5		3	2023	55			
AS	0649	Rice, hay and/or straw	5	(dw)	3	2023	55			
AS	3570	Rice, hulls	15	(dw)	3	2023	55			
CM	0649	Rice, husked	0.3		3	2023	55			
CM	1205	Rice, polished	0.3		3	2023	55			

PART II

LIST OF EXTRANEEOUS RESIDUE LIMITS FOR PESTICIDES IN FOOD AND ANIMAL FEEDS

1 Aldrin and Dieldrin

Main Uses: Insecticide

JMPR: 1965 (T), 1966 (T,R), 1967 (R), 1974 (R), 1975 (R), 1977 (T), 1990 (R), 1992 (R)

ADI: 0.0001 mg/kg bw (confirmed 1977; converted to PTDI in 1994)

Acute RfD: N/A

Residue: Sum of HHDN and HEOD (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0035	Bulb vegetables	0.05	E						
GC	0080	Cereal grains	0.02	E	CXL		28		1997	
FC	0001	Citrus fruits	0.05	E	CXL		28		1997	
PE	0112	Eggs	0.1	E	CXL					
VC	0045	Fruiting vegetables, Cucurbits	0.1	E	CXL		28		1997	
VP	0529	Garden pea, Shelled (succulent seeds)	1	E	CXL					
VL	0053	Leafy vegetables	0.05	E	CXL		28		1997	
VP	0060	Legume vegetables	0.05	E	CXL		28		1997	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat) E	CXL					
ML	0106	Milks	0.006	F E	CXL					
FP	0009	Pome fruits	0.05	E	CXL		28		1997	
PM	0110	Poultry meat	0.2	E	CXL		28		1997	
VD	0070	Pulses	0.05	E	CXL		28		1997	
VR	0075	Root and tuber vegetables	0.1	E	CXL		28		1997	

12 Chlordane

Main Uses: Insecticide

JMPR: 1965 (T), 1967 (T,R), 1969 (R), 1970 (T,R), 1972 (R), 1974 (R), 1977 (T,R), 1982 (T), 1984 (T,R), 1986 (T)

ADI: 0.0005 mg/kg bw (1986; converted to PTDI in 1994)

Acute RfD: N/A

Residue: Plant commodities: sum of cis- and trans-chlordane (fat-soluble). Animal commodities: sum of cis- and trans-chlordane and "oxychlordane" (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660 Almonds	0.02	E							CXL
OC	0691 Cotton seed oil, Crude	0.05	E							CXL
PE	0112 Eggs	0.02	E							CXL
AO	0003 Fruits and vegetables	0.02	(*)	E						CXL
TN	0666 Hazelnuts	0.02	E							CXL
OC	0693 Linseed oil, Crude	0.05	E							CXL
GC	0645 Maize	0.02	E							CXL
MM	0095 Meat (from mammals other than marine mammals)	0.05	(fat)	E						CXL
ML	0106 Milks	0.002	F	E						CXL
GC	0647 Oats	0.02	E							CXL
TN	0672 Pecan	0.02	E							CXL
PM	0110 Poultry meat	0.5	(fat)	E						CXL
CM	1205 Rice, Polished	0.02	E							CXL
GC	0650 Rye	0.02	E							CXL
GC	0651 Sorghum	0.02	E							CXL
OC	0541 Soya bean oil, Crude	0.05	E							CXL
OR	0541 Soya bean oil, Refined	0.02	E							CXL
TN	0678 Walnuts	0.02	E							CXL
GC	0654 Wheat	0.02	E							CXL

21 DDT

Main Uses: Insecticide

JMPR: 1965 (T), 1966 (T,R), 1967 (T,R), 1968 (T,R), 1969 (T,R), 1978 (R), 1979 (T), 1980 (T), 1983 (T), 1984 (T), 1993 (R), 1994 (R), 1996 (R)

ADI: 0.01 mg/kg bw (2000)

Acute RfD: Unnecessary (2000)

Residue: Sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) (fat-soluble).

Note: Previous PTDI, 0.02 mg/kg (1984, converted to PTDI in 1994) The CCPR-33 decided to propose to the CAC an EMRL of 5 mg/kg and a level of 3 mg/kg in square brackets and to ask the CAC to take a decision regarding the level, taking into account that the CCPR would not be able to reach consensus by deferring consideration of this matter to a later session. The CCPR also decided not to request a new evaluation of the monitoring data by the next meeting of JMPR.(33.195) The CAC-24 decided to retain the current temporary EMRL of 5 mg/kg and agreed that the proposal to lower the EMRL to 1 mg/kg should be referred to the CCPR for further consideration. (ALINORM 01/41, para. 145)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0577 Carrot	0.2	E		CXL				1997	
GC	0080 Cereal grains	0.1	E		CXL	94				
PE	0112 Eggs	0.1	E		CXL		28		1997	
MM	0095 Meat (from mammals other than marine mammals)	5	(fat) E	EMRL: 1-5 mg/kg	CXL	96,00	33	28,30	2001	
ML	0106 Milks	0.02	F E		CXL		28		1997	
PM	0110 Poultry meat	0.3	(fat) E	EMRL: 0.1-0.3 mg/kg	CXL	00	35	34	2003	

33 Endrin

Main Uses: Insecticide

JMPR: 1965 (T), 1970 (T,R), 1974 (R), 1975 (R), 1990 (R), 1992 (R)

ADI: 0.0002 mg/kg bw (1970; converted to PTDI in 1994)

Acute RfD: N/A

Residue: Sum of endrin and delta-keto-endrin (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0045	Fruiting vegetables, cucurbits	0.05	E	CXL		28		1997	
PM	0110	Poultry meat	0.1	E	CXL		28		1997	

43 Heptachlor

Main Uses: Insecticide

JMPR: 1965 (T), 1966 (T,R), 1967 (R), 1968 (R), 1969 (R), 1970 (T,R), 1974 (R), 1975 (R), 1977 (R), 1987 (R), 1991 (T,R), 1992 (corr. to 1991 report, Annex I), 1993 (R), 1994 (R)

ADI: 0.0001 mg/kg bw (1991; converted to PTDI in 1994)

Acute RfD: N/A

Residue: Sum of heptachlor and heptachlor epoxide (fat-soluble).

Note: The 1994 JMPR agreed that for the general monitoring of heptachlor and its metabolite, a suitable limit of determination for the total residue would be 0.01 mg/kg.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080 Cereal grains	0.02	E							
FC	0001 Citrus fruits	0.01	E							
SO	0691 Cotton seed	0.02	E							
PE	0112 Eggs	0.05	E							
MM	0095 Meat (from mammals other than marine mammals)	0.2	(fat) E							
ML	0106 Milks	0.006	F E							
FI	0353 Pineapple	0.01	E							
PM	0110 Poultry meat	0.2	(fat) E							
VP	0541 Soya bean (immature seeds)	0.02	E							
OC	0541 Soya bean oil, Crude	0.5	E							
OR	0541 Soya bean oil, Refined	0.02	E							

48 Lindane

Main Uses: Insecticide

JMPR: 1965 (T), 1966 (T,R), 1967 (R), 1968 (R), 1969 (R), 1970 (T,R), 1973 (T,R), 1974 (R), 1975 (R), 1977 (T,R), 1978 (R), 1979 (R), 1989 (T,R), 1997 (T), 2002 (T), 2003 (R), 2004 (corr. to 2003 report), 2015 (R)

ADI: 0–0.005 mg/kg bw (2002)

Acute RfD: 0.06 mg/kg bw (2002)

Residue: Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for plant and animal commodities: lindane. The residue is fat-soluble.

Note: Lindane has been re-evaluated within the periodic review by JMPR in 2015, and the CXLs have been converted into Codex EMRLs in 2016 since Lindane is listed in annex A of the Stockholm convention and its residue is from environmental sources, not the use of the pesticide directly or indirectly on the food or feed.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080 Cereal grains	0.01	E	(except rice)	CXL	2015	48		2016	
WD	0120 Diadromous fish	0.01	E		CXL	2015	48		2016	
MO	0105 Edible offal (mammalian)	0.001	E		CXL	2015	48		2016	
PE	0112 Eggs	0.001	E		CXL	2015	48		2016	
WS	0125 Marine fish	0.01	E		CXL	2015	48		2016	
MM	0095 Meat (from mammals other than marine mammals)	0.01	(fat) E		CXL	2015	48		2016	
ML	0106 Milks	0.001	E		CXL	2015	48		2016	
PM	0110 Poultry meat	0.005	(fat) E		CXL	2015	48		2016	
PO	0111 Poultry, Edible offal of	0.005	E		CXL	2015	48		2016	
AS	0081 Straw and fodder (dry) of cereal grains	0.01	E		CXL	2015	48		2016	
VO	1275 Sweet corn (kernels)	0.01	E		CXL	2015	48		2016	

PART III

LIST OF PESTICIDES FOR WHICH GUIDELINE LEVELS HAVE BEEN SET

52 Methyl Bromide

Main Uses: Fumigant

JMPR: 1965 (T,R), 1966 (T,R), 1967 (R), 1968 (T,R), 1971 (R), 1979 (R), 1985 (R), 1992 (R)

ADI: mg/kg body weight

Acute RfD: N/A

Note: Not cleared toxicologically by JMPR

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CP	0179 Bread and other cooked cereal products	0.01 (*)		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	
SB	0715 Cacao beans	5 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	
GC	0080 Cereal grains	5 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	
AO	0001 Cocoa products	0.01 (*) Po		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	
DF	0167 Dried fruits	0.01 (*) Po		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	
DF	0167 Dried fruits	2 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	
AO	0001 Milled cereals products	0.01 (*) Po		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	
AO	0001 Milled cereals products	1 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	
SO	0697 Peanut	0.01 (*) Po		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697 Peanut	10 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	
TN	0085 Tree nuts	0.01 (*) Po		To apply to commodity at point of retail sale or when offered for consumption	CXL		31		1999	
TN	0085 Tree nuts	10 Po		To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at least 24 h after fumigation and before	CXL		31		1999	

114 Guazatine

Main Uses: Fungicide

JMPR: 1978 (T,R), 1980 (R), 1997 (T,R)

ADI: mg/kg body weight ADI withdrawn (1997)

Acute RfD: N/A

Residue: Guazatine

Note: Until 1986 the ISO name guazatine was applied to iminocadine. However, now the ISO name guazatine applies to a reaction mixture.

The proposals remain as guideline levels until a new ADI is recommended. Previous ADI 0.03 mg/kg bw (1978).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080 Cereal grains	0.05 (*) G			CXL	97	31		1999	
FC	0001 Citrus fruits	5 Po			CXL		31		1999	