

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
the United Nations



World Health
Organization

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Agenda Item 6

CX/PR 23/54/5

June 2023

ORIGINAL LANGUAGE ONLY

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

54th Session

26 June – 1 July 2023

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

NOTES FOR CONSIDERATION FOR CCPR53:

For consideration under Agenda Items 5b, 6 and 7

JMPR (2022) has recommended MRLs for two commodities for which there are no Codex neither in the old nor in the current (revised) Classification. These codes will be added to the Classification and will be forwarded to the Commission as consequential amendment to the Classification, Class D.

Classification of Food and Feed Consequential Amendment to Class D – Processed Foods of Plant Origin Inclusion of code numbers for certain citrus edible oil and pulp dried commodities	
DT 0604	Ginseng, dried (see Benzovindiflupyr (261))
DV 2950	Pencil yam, dried (see Difenconazole (224))

COMPOUNDS FOR ARISING FROM THE JMPR REGULAR MEETING HELD IN 2022 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 2022 is available here: [Regular Meeting 2022](#).

Agenda Item 5b Responses to specific concerns raised by CCPR

- 081 Chlorothalonil (R)
- 167 Terbufos (T)

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

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

015	Chlormequat	216	Indoxacarb	285	Flupyradifurone
027	Dimethoate/	224	Difenconazole	287	Quinclorac
055	Omethoate	229	Azoxystrobin	294	Spiromesifen
050	Mancozeb/	230	Chlorantraniliprole	297	Fenazaquin
105	Dithiocarbamates	231	Mandipropamid	312	Afidopyropen
138	Metalaxyl	247	Emamectin benzoate	315	Pyridate
178	Bifenthrin	248	Flutriafol	317	Triflumuron
208	Famoxadone	252	Sulfoxaflor	320	Mefentrifluconazole
211	Fludioxonil	261	Benzovindiflupyr	324	Tetraniliprole (324)

Periodic review of compounds

022 Diazinon (022)

051 Methidathion (051)

064 Quintozene (064)

New compounds

325 Benzpyrimoxan (325)

327 Fluazaindolizine (327)

329 Inpyrfluxam (329)

326 Broflanilide (326)

328 Fluindapyr (328)

330 Isoflucypram (330)

MRLs RETAINED AT 7

138 Metalaxyl

MRLs RETAINED AT 4

138 Metalaxyl

178 Bifenthrin

202 Fipronil

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

Indices of Pesticides

Part 1 List of maximum residue limits for pesticides in food and feed (at various Steps of the Codex Procedure)

Part 2 List of extraneous maximum residue limits for pesticides in food and animal feeds (at various Steps of the Codex Procedure)

Part 3 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 *Codex Alimentarius*.
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			

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)	DINOCAP (87)
AZOCYCLOTIN (129)	CHLOROPROPHAM (201)	DINOTEFURAN (255)
AZOXYSTROBIN (229)	CHLORPYRIFOS (17)	DIOXATHION (28)
BENALAXYL (155)	CHLORPYRIFOS-METHYL (90)	DIPHENYL (29)
BENDIOCARB (137)	CIPRODINIL (207)	DIPHENYLAMINE (30)
BENOMYL (69)	CLETHODIM (187)	DIQUAT (31)
BENTAZONE (172)	CLOFENTEZINE (156)	DISULFOTON (74)
BENZOVINDIFLUPYR (261)	CLOTHIANIDIN (238)	DITHIANON (180)
BENZPYRIMOXAN (325)	COUMAPHOS (18)	DITHIOCARBAMATES (105)
BETA CYFLUTHRIN (228)	CRUFOMATE (19)	DODINE (84)
BICYCLOPYRONE (295)	CYANOFENPHOS (91)	EDIFENPHOS (99)
BIFENAZATE (219)	CYANTRANILIPROLE (263)	EMAMECTIN BENZOATE (247)
BIFENTHRIN (178)	CYAZOFAMID (281)	ENDOSULFAN (32)
BINAPACRYL (3)	CYCLANILIPROLE (296)	ENDRIN (33)
BIORESMETHRIN (93)	CYCLOXYDIM (179)	ESFENVALERATE (204)
BITERTANOL (144)	CYFLUMETOFEN (273)	ETHEPHON (106)
BIXAFEN (262)	CYFLUTHRIN (157)	ETHIOFENCARB (107)
BOSCALID (221)	CYHALOTHRIN (146)	ETHION (34)
BROFLANILIDE (326)	CYHEXATIN (67)	ETHIPROLE (304)
BROMIDE ION (47)	CYPERMETHRIN (118)	ETHOPROPHOS (149)
BROMOPHOS (4)	CYPROCONAZOLE (239)	ETHOXYQUIN (35)
BROMOPHOS-ETHYL (5)	CYPRODINIL (207)	ETHYLENE THIOUREA (ETU) (108)
BROMOPROPYLATE (70)	CYROMAZINE (169)	ETOFENPROX (184)
BUPROFEZIN (173)	DAMINOZIDE1 (4)	ETOXAZOLE (241)
BUTOCARBOXIM (139)	2,4-D (20)	ETRIMFOS (123)
CADUSAFOS (174)	DDT (21)	FAMOXADONE (208)
CAMPHECHLOR (71)	DELTAMETHRIN1 (35)	FENAMIPHOS (85)
CAPTAFOL (6)	DEMETON (92)	FENAMIDONE (264)
	DEMETON-S-METHYL (73)	FENARIMOL (192)

FENAZAQUIN (297)	HYDROGEN PHOSPHIDE (46)	NITROFEN (140)
FENBUCONAZOLE (197)	IMAZALIL (110)	NORFLURAZON (308)
FENBUTATIN OXIDE (109)	IMAZAMOX (276)	NOVALURON (217)
FENCHLORPHOS (36*)	IMAZAPIC (266)	OMETHOATE (55)
FENHEXAMID (215)	IMAZAPYR (267)	OXAMYL (126)
FENITROTHION (37)	IMAZETHAPYR (289)	OXATHIPIPROLIN (291)
FENPICOXAMID (305)	IMIDACLOPRIDE (206)	OXYDEMETON-METHYL (166)
FENPROPATHRIN (185)	INDOXACARB (216)	PACLOBUTRAZOL (161)
FENPROPIMORPH (188)	INPYRFLUXAM (329)	PARAQUAT (57)
FENPYRAZAMINE (298)	IPRODIONE (111)	PARATHION (58)
FENPYROXIMATE (193)	ISOFENPHOS (131)	PARATHION-METHYL (59)
FENSULFOTHION (38)	ISOFETAMID (290)	PENCONAZOLE (182)
FENTHION (39)	ISOFLUCYPRAM (330)	PENDIMETHALIN (292)
FENTIN (40)	ISOPROTHIOLANE (299)	PENTHIOPYRAD (253)
FENVALERATE (119)	ISOPYRAZAM (249)	PERMETHRIN (120)
FIPRONIL (202)	ISOXAFLUTOLE (268)	PHENOTHRIN (127)
FLONICAMID (282)	KRESOXIM-METHYL (199)	PHENTHOATE (128)
FLUAZIFOP-P-BUTYL (283)	LEPTOPHOS (88)	2-PHENYLPHENOL (56)
FLUAZAINDOLIZINE (327)	LINDANE (48)	PHORATE (112)
FLUAZINAM (306)	LUFENURON (286)	PHOSALONE (60)
FLUBENDIAMIDE (242)	MALATHION (49)	PHOSMET (103)
FLUCYTHRINATE (152)	MALEIC HYDRAZIDE (102)	PHOSPHAMIDON (61)
FLUDIOXONIL (211)	MANCOZEB (50)	PHOSPHONIC ACID (301)
FLUENSULFONE (265)	MANDESTROBIN (307)	PHOXIM (141)
FLUFENOXURON (275)	MANDIPROPAMID (231)	PICOXYSTROBIN (258)
FLUINDAPYR (328)	MCPA (257)	PINOXADEN (293)
FLUMETHRIN (195)	MECARBAM (124)	PIPERONYL BUTOXIDE (62)
FLUMIOXAZIN (284)	MEFENTRIFLUCONAZOLE (320)	PIRIMICARB (101)
FLUOPICOLIDE (235)	MEPTYLDINOCAP (244)	PIRIMIPHOS-METHYL (86)
FLUOPYRAM (243)	MESOTRIONE (277)	PROCHLORAZ (142)
FLUPYRADIFURONE (285)	METAFLUMIZONE (236)	PROCYMIDONE (136)
FLUSILAZOLE (165)	METALAXYL (138)	PROFENOFOS (171)
FLUTIANIL (319)	METALAXYL-M (212)	PROPAMOCARB (148)
FLUTOLANIL (205)	METCONAZOLE (313)	PROPARGITE (113)
FLUTRIAFOL (248)	METHACRIFOS (125)	PROPHAM (183)
FLUXAPYROXAD (256)	METHAMIDOPHOS (100)	PROPICONAZOLE (160)
FOLPET (41)	METHIDATHION (51)	PROPOXUR (75)
FORMOTHION (42)	METHIOCARB (132)	PROPYLENE OXIDE (250)
FOSETYL AL (302)	METHOMYL (94)	PROPYLENE THIOUREA (PTU) (150)
GLUFOSINATE-AMMONIUM (175)	METHOPRENE (147)	PROTHIOCONAZOLE (232)
GLYPHOSATE1 (58)	METHOXYFENOZIDE (209)	PYDIFLUMETOFEN (309)
GUAZATINE (114)	METHYL BROMIDE (52)	PYFLUBUMIDE (314)
HALOXYFOP (194)	METIRAM (186)	PYMETROZINE (279)
HEPTACHLOR (43)	METRAFENONE (278)	PYRACLOSTROBIN (210)
HEXACHLOROBENZENE (44)	MEVINPHOS (53)	PYRASULFOTOLE (321)
HEXACONAZOLE (170)	MONOCROTOPHOS (54)	PYRAZOPHOS (153)
HEXYTHIAZOX (176)	MYCLOBUTANIL (181)	PYRAZIFLUMID (322)
HYDROGEN CYANIDE (45)	NATAMYCIN (300)	PYRETHRINS (63)

PYRIDATE (315)	VINCLOZOLIN (159)
PYRIFLUQUINAZON (316)	ZOXAMIDE (227)
PYRIMETHANIL (226)	
PYRIOFENONE (310)	
PYRIPROXYFEN (200)	
QUINCLORAC (287)	
QUINOXYFEN (222)	
QUINTOZENE (64)	
SAFLUFENACIL (251)	
SEC-BUTYLAMINE (89)	
SEDAXANE (259)	
SPINETORAM (233)	
SPINOZAD (203)	
SPIRODICLOFEN (237)	
SPIROMESIFEN (294)	
SPIROPIDION (323)	
SPIROTETRAMATE (234)	
SULFOXAFLOL (252)	
SULFURYL FLUORIDE (218)	
2,4,5-T (121)	
TEBUCONAZOLE (189)	
TEBUFENOZIDE (196)	
TECNAZENE (115)	
TEFLUBENZURON (190)	
TERBUFOS (167)	
TETRANILIPROLE (324)	
THIABENDAZOLE (65)	
THIACLOPRID (223)	
THIAMETHOXAM (245)	
THIODICARB (154)	
THIOMETON (76)	
THIOPHANATE-METHYL (77)	
TIOXAZAFEN (311)	
TOLCLOFOS-METHYL (191)	
TOLFENPYRAD (269)	
TOLYLFLUANID (162)	
TRIADIMEFON (133)	
TRIADIMENOL (168)	
TRIAZOPHOS (143)	
TRICHLORFON (66)	
TRIFLOXYSTROBIN (213*)	
TRIFLUMEZOPYRIM (303)	
TRIFLUMIZOLE (270)	
TRIFLUMURON (317)	
TRIFORINE (116)	
TRINEXAPAC-ETHYL (271)	
VALIFENALATE (318)	
VAMIDOTHION (78)	

INDEX OF PESTICIDES IN CODE ORDER

1	ALDRIN AND DIELDRIN	47	BROMIDE ION	93	BIORESMETHRIN
2	AZINPHOS-METHYL	48	LINDANE	94	METHOMYL
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
18	COUMAPHOS	64	QUINTOZENE	110	IMAZALIL
19	CRUFOMATE	65	THIABENDAZOLE	111	IPRODIONE
20	2,4-D	66	TRICHLORFON	112	PHORATE
21	DDT	67	CYHEXATIN	113	PROPARGITE
22	DIAZINON	68	AZINPHOS-ETHYL	114	GUAZATINE
23	1,2-DIBROMOETHANE	69	BENOMYL	115	TECNAZENE
24	1,2-DICHLOROETHANE	70	BROMOPROPYLATE	116	TRIFORINE
25	DICHLORVOS	71	CAMPHECHLOR	117	ALDICARB
26	DICOFOL	72	CARBENDAZIM	118	CYPERMETHRIN
27	DIMETHOATE	73	DEMETON-S-METHYL	119	FENVALERATE
28	DIOXATHION	74	DISULFOTON	120	PERMETHRIN
29	DIPHENYL	75	PROPOXUR	121	2,4,5-T
30	DIPHENYLAMINE	76	THIOMETON	122	AMITRAZ
31	DIQUAT	77	THIOPHANATE-METHYL	123	ETRIMFOS
32	ENDOSULFAN	78	VAMIDOTHION	124	MECARBAM
33	ENDRIN	79	AMITROLE	125	METHACRIFOS
34	ETHION	80	CHINOMETHIONAT	126	OXAMYL
35	ETHOXYQUIN	81	CHLOROTHALONIL	127	PHENOTHRIN
36	FENCHLORPHOS	82	DICHLIFLUANID	128	PHENTHOATE
37	FENITROTHION	83	DICLORAN	129	AZOCYCLOTIN
38	FENSULFOTHION	84	DODINE	130	DIFLUBENZURON
39	FENTHION	85	FENAMIPHOS	131	ISOFENPHOS
40	FENTIN	86	PIRIMIPHOS-METHYL	132	METHIOCARB
41	FOLPET	87	DINOCAP	133	TRIADIMEFON
42	FORMOTHION	88	LEPTOPHOS	134	AMINOCARB
43	HEPTACHLOR	89	SEC-BUTYLAMINE	135	DELTAMETHRIN
44	HEXACHLOROBENZENE	90	CHLORPYRIFOS-METHYL	136	PROCYMIDONE
45	HYDROGEN CYANIDE	91	CYANOFENPHOS	137	BENDIOCARB
46	HYDROGEN PHOSPHIDE	92	DEMETON	138	METALAXYL

139	BUTOCARBOXIM	186	METIRAM	233	SPINETORAM
140	NITROFEN	187	CLETHODIM	234	SPIROTETRAMATE
141	PHOXIM	188	FENPROPIMORPH	235	FLUOPICOLIDE
142	PROCHLORAZ	189	TEBUCONAZOLE	236	METAFLUMIZONE
143	TRIAZOPHOS	190	TEFLUBENZURON	237	SPIRODICLOFEN
144	BITERTANOL	191	TOLCLOFOS-METHYL	238	CLOTHIANIDIN
145	CARBOSULFAN	192	FENARIMOL	239	CYPROCONAZOLE
146	CYHALOTHRIN	193	FENPYROXIMATE	240	DICAMBA
147	METHOPRENE	194	HALOXYFOP	241	ETOXAZOLE
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
162	TOLYLFLUANID	209	METHOXYFENOZIDE	256	FLUXAPYROXAD
163	ANILAZINE	210	PYRACLOSTROBIN	257	MCPA
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
168	TRIADIMENOL	215	FENHEXAMID	262	BIXAFEN
169	CYROMAZINE	216	INDOXACARB	263	CYANTRANILIPROLE
170	HEXACONAZOLE	217	NOVALURON	264	FENAMIDONE
171	PROFENOFOS	218	SULFURYL FLUORIDE	265	FLUENSULFONE
172	BENTAZONE	219	BIFENAZATE	266	IMAZAPIC
173	BUPROFEZIN	220	AMINOPYRALID	267	IMAZAPYR
174	CADUSAFOS	221	BOSCALID	268	ISOXAFLUTOLE
175	GLUFOSINATE-AMMONIUM	222	QUINOXYFEN	269	TOLFENPYRAD
176	HEXYTHIAZOX	223	THIACLOPRID	270	TRIFLUMIZOLE
177	ABAMECTIN	224	DIFENOCONAZOLE	271	TRINEXAPAC-ETHYL
178	BIFENTHRIN	225	DIMETHOMORPH	272	AMINOCYCLOPYRACHLOR
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 (329)
282	FLONICAMID	330	ISOFLUCYPRAM (330)
283	FLUAZIFOP-P-BUTYL		
284	FLUMIOXAZIN		
285	FLUPYRADIFURONE		
286	LUFENURON		
287	QUINCLORAC		
288	ACIBENZOLAR-S-METHYL		
289	IMAZETHAPYR		
290	ISOFETAMID		
291	OXATHIPIPROLIN		
292	PENDIMETHALIN		
293	PINOXADEN		
294	SPIROMESIFEN		
295	BICYCLOPYRONE		
296	CYCLANILIPROLE		
297	FENAZAQUIN		
298	FENPYRAZAMINE		
299	ISOPROTHIOLANE		
300	NATAMYCIN		
301	PHOSPHONIC ACID (301)		
302	FOSETYL AL (302)*		
303	TRIFLUMEZOPYRIM		
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 (325)		
326	BROFLANILIDE (326)		
327	FLUAZAINDOLIZINE (327)		
328	FLUINDAPYR (328)		

**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	
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
53	Mevinphos	2009	
54	Monocrotophos	1997	
58	Parathion	2003	
61	Phosphamidon	2003	
66	Trichlorfon	1997	
68	Azinphos-Ethyl	1987	
69	Benomyl	2003	See Carbendazim

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
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	
137	Bendiocarb	2004	
139	Butocarboxim	1991	

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
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 1

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	2			CXL	2017	50		2018	
GC 0640	Barley	2			3	2022	54			
AS 0640	Barley, hay and/or straw	50	(dw)		CXL	2017	50		2018	Recommended for withdrawal by JMPR (2022)
AS 0640	Barley, hay and/or straw	200	(dw)		3	2022	54			
SO 0691	Cotton seed	0.5			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	1			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	0.5			3	2022	54			
PE 0112	Eggs	0.1			CXL	2017	50		2018	
PE 0112	Eggs	0.2			3	2022	54			
FB 0269	Grapes	0.04	(*)		CXL	2017	50		2018	
MF 0100	Mammalian fats (except milk fats)	0.1			CXL	2017	50		2018	
MF 0100	Mammalian fats (except milk fats)	0.1			3	2022	54			
MM 0095	Meat (from mammals other than marine mammals)	0.2			CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.2			3	2022	54			
ML 0106	Milks	0.3			CXL	2017	50		2018	
ML 0106	Milks	0.2			3	2022	54			
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	2017	50		2018	
PF 0111	Poultry fats	0.04	(*)		3	2022	54			
PM 0110	Poultry meat	0.04	(*)		CXL	2017	50		2018	
PM 0110	Poultry meat	0.04	(*)		3	2022	54			
PO 0111	Poultry, edible offal of	0.1			CXL	2017	50		2018	
PO 0111	Poultry, edible offal of	0.2			3	2022	54			
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	2			CXL	2017	50		2018	
GC 0654	Wheat	4			3	2022	54			
CM 0654	Wheat bran, unprocessed	7			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CM	0654	Wheat bran, unprocessed	10		3	2022	54			
CF	1210	Wheat germ	20		3	2022	54			
AS	0654	Wheat, hay and/or straw	80	(dw)	CXL	2017	50		2018	
AS	0654	Wheat, hay and/or straw	200	(dw)	3	2022	54			



17 Chlorpyrifos

Main Uses: Insecticide
 ADI: 0-0.03 mg/kg bw (2007)
 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 Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
										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).

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

22 Diazinon

Main Uses: Insecticide

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

ARfD: 0.03 mg/kg bw (2016)

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

The Meeting was unable to conclude on a residue definition for dietary risk assessment for plant commodities.

The Meeting was unable to conclude on a residue definition for compliance with the MRL and for dietary risk assessment for animal commodities.

Note: The Codex MRL accommodated external animal treatment.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	5			CXL				1995	Recommended for withdrawal by JMPR (2022)
TN 0660	Almonds	0.05			CXL				1995	Recommended for withdrawal by JMPR (2022)
FB 0264	Blackberries	0.1			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FB 4079	Boysenberry	0.1			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VB 0400	Broccoli	0.5			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VB 0041	Cabbages, head	0.5			CXL	99	37	33-36	2005	Recommended for withdrawal by JMPR (2022)
VC 4199	Cantaloupe	0.2			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VR 0577	Carrot	0.5			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FS 0013	Cherries (subgroup)	1			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
PE 0840	Chicken eggs	0.02 (*)			CXL	96	30		1999	Recommended for withdrawal by JMPR (2022)
PM 0840	Chicken meat	0.02 (*)			CXL	96	30		1999	Recommended for withdrawal by JMPR (2022)
PO 0840	Chicken, edible offal of	0.02 (*)			CXL	96	30		1999	Recommended for withdrawal by JMPR (2022)
VL 0467	Chinese cabbage (type pe-tsai)	0.05			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VP 0526	Common bean (pods and/or immature seeds)	0.2			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FB 0265	Cranberry	0.2			CXL	06	39		2007	-Recommended for withdrawal by JMPR (2022)
VC 0424	Cucumber	0.1			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FB 0021	Currants, black, red, white	0.2			CXL		28		1997	Recommended for withdrawal by JMPR (2022)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0529	Garden pea, shelled (succulent seeds)			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
MM	0814	Goat meat	(fat) V	The MRL accommodates external animal treatment.	CXL	99	36	33-35	2004	Recommended for withdrawal by JMPR (2022)
DH	1100	Hops, dry			CXL	94	28		1997	Recommended for withdrawal by JMPR (2022)
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)			CXL				1995	Recommended for withdrawal by JMPR (2022)
MO	0098	Kidney of cattle, goats, pigs and sheep	V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	Recommended for withdrawal by JMPR (2022)
FI	0341	Kiwifruit			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VB	0405	Kohlrabi			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VL	0482	Lettuce, head			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VL	0483	Lettuce, leaf			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
MO	0099	Liver of cattle, goats, pigs & sheep	V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	Recommended for withdrawal by JMPR (2022)
GC	0645	Maize	(*)		CXL				1995	Recommended for withdrawal by JMPR (2022)
MM	0097	Meat of cattle, pigs & sheep	(fat) V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	Recommended for withdrawal by JMPR (2022)
ML	0106	Milks	F	The MRL accommodates external animal treatment.	CXL	96,99			1995	Recommended for withdrawal by JMPR (2022)
VA	0385	Onion, bulb			CXL				1995	Recommended for withdrawal by JMPR (2022)
FS	0247	Peach			CXL		28		1997	Recommended for withdrawal by JMPR (2022)
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	Recommended for withdrawal by JMPR (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)	0.05		CXL				1995	Recommended for withdrawal by JMPR (2022)
FI	0353	Pineapple	0.1		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FS	0014	Plums (including fresh prunes) (subgroup)	1		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FP	0009	Pome fruits (group)	0.3		CXL	99	36	33-35	2004	Recommended for withdrawal by JMPR (2022)
VR	0589	Potato	0.01 (*)		CXL				1995	Recommended for withdrawal by JMPR (2022)
DF	0014	Prunes	2		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VR	0494	Radish	0.1		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FB	0272	Raspberries, red, black	0.2		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
HS	0191	Spices, fruits and berries	0.1 (*)		CXL		37		2005	Recommended for withdrawal by JMPR (2022)
HS	0193	Spices, roots and rhizomes	0.5		CXL		37		2005	Recommended for withdrawal by JMPR (2022)
HS	0190	Spices, seeds	5		CXL		37		2005	Recommended for withdrawal by JMPR (2022)
VL	0502	Spinach	0.5		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VA	0389	Spring onion	1		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VC	0431	Squash, summer	0.05		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
FB	0275	Strawberry	0.1		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
VR	0596	Sugar beet	0.1		CXL				1995	Recommended for withdrawal by JMPR (2022)
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL				1995	Recommended for withdrawal by JMPR (2022)
VO	0448	Tomato	0.5		CXL		28		1997	Recommended for withdrawal by JMPR (2022)
TN	0678	Walnuts	0.01 (*)		CXL				1995	Recommended for withdrawal by JMPR (2022)

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.05		CXL	03	37		2005	
VS	0621	Asparagus	0.05 (*)		CXL	98	34	32	2003	
FI	0326	Avocado	2	Dimethoate(027)/ Omethoate(055)	3	2022	54			
GC	0640	Barley	2		CXL	98	38	32,34-37	2006	
VB	0402	Brussels sprouts	0.2		CXL	03	37	36	2005	
VB	0402	Brussels sprouts	0.1	Dimethoate(027)/ Omethoate(055)	3	2022	54			
VB	0403	Cabbage, Savoy	0.05 (*)		CXL	98	34	32	2003	
MO	0812	Cattle, edible offal of	0.05 (*)		CXL	98	34	32	2003	
VB	0404	Cauliflower	0.2		CXL	03	37	36	2005	
VS	0624	Celery	0.5		CXL	03	37		2005	
FS	0013	Cherries (subgroup)	2		CXL	98				
FC	0001	Citrus fruits (group)	5	(excluding kumquats)	CXL	03	45	36-38	2013	
AB	0001	Citrus pulp, dried	5	Dimethoate(027)/ Omethoate(055) (feed)	3	2022	54			
VD	2065	Dry beans (subgroup)	0.7	Dimethoate(027)/ Omethoate(055) (except soya bean)	3	2022	54			
MO	0105	Edible offal (mammalian)	0.001 (*)	Dimethoate(027)/ Omethoate(055)	3	2022	54			
PE	0112	Eggs	0.05 (*)		CXL	98	34	32	2003	
PE	0112	Eggs	0.001 (*)	Dimethoate(027)/ Omethoate(055)	3	2022	54			
VL	0482	Lettuce, head	0.3		CXL	08	41		2009	
MF	0100	Mammalian fats (except milk fats)	0.05 (*)		CXL	98	34	32	2003	
MF	0100	Mammalian fats (except milk fats)	0.03	Dimethoate(027)/ Omethoate(055)	3	2022	54			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0448	Tomato	0.01	(*)	Dimethoate(027)/ Omethoate(055)	3	2022	54		
VL	0506	Turnip greens	1			CXL	98	37	32,35,36	2005
VR	0506	Turnip, Garden	0.1			CXL	98	37	32,34-36	2005
GC	0654	Wheat	0.05			CXL	03	37	36	2005
GC	0654	Wheat	0.06		Dimethoate(027)/ Omethoate(055)	3	2022	54		
CF	0654	Wheat bran, processed	0.3		Dimethoate(027)/ Omethoate(055)	3	2022	54		
CF	1210	Wheat germ	0.2		Dimethoate(027)/ Omethoate(055)	3	2022	54		
AS	0654	Wheat, hay and/or straw	1			CXL	03	37	36	2005
AS	0654	Wheat, hay and/or straw	4	(dw)	Dimethoate(027)/ Omethoate(055)	3	2022	54		
VP	0544	Yard-long bean (pods)	0.07		Dimethoate(027)/ Omethoate(055)	3	2022	54		

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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		(except chick-peas, dry)	CXL	2018	51		2019	
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 (*)		(except sweetcorn, fungi and mushrooms)	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	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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
DT 1114	Tea, green, black (black, fermented and dried)	10			CXL		43		2011	
VO 0448	Tomato	0.5			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 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)		(*)	CXL	04,07	40	37-39	2008	
PE	0112	Eggs		(*)	CXL	04,07	40	37-39	2008	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	04,07	40	37-39	2008	
ML	0106	Milks			CXL	04,07	40	37-39	2008	
PM	0110	Poultry meat		(*)	CXL	04,07	40	37-39	2008	
CM	1206	Rice bran, unprocessed	PoP		CXL	07	40	37-39	2008	
VD	0541	Soya bean (dry)			CXL	07	40		2008	
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	
CM	0654	Wheat bran, unprocessed	PoP		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	10			CXL	97,99	38	33-37	2006	
VC	0424 Cucumber	1			CXL	99	35	28,33,34	2003	
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	40			CXL	97,99	38	28,33-37	2006	
FB	0269 Grapes	10			CXL	97,99	38	33-37	2006	
VL	0482 Lettuce, head	50			CXL	99	38	33-37	2006	
VC	0046 Melons, except watermelon	3			CXL	97,99	35	33,34	2003	
VA	0385 Onion, bulb	1			CXL	99	35	33,34	2003	
VR	0589 Potato	0.1			CXL	99	35	33,34	2003	
FB	0275 Strawberry	5			CXL	99	38	28,33-37	2006	
VO	0448 Tomato	3			CXL	97,99	38	33-37	2006	

46 Hydrogen Phosphide

Main Uses: Fumigant

ADI: mg/kg bw 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			CXL	04	38	37	2006	
VS	0621	Asparagus			CXL	99	36	33-35	2004	
VD	0071	Beans (dry)			CXL	99	34	33	2003	
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)			CXL	99	36	33-35	2004	
FB	0020	Blueberries			CXL	99	36	33-35	2004	
FS	0013	Cherries (subgroup)			CXL	2013	46		2014	
FC	0001	Citrus fruits (group)			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			CXL	99	38	33-37	2006	
OC	0691	Cotton seed oil, crude			CXL	99	38	33-37	2006	
OR	0691	Cotton seed oil, edible			CXL	99	38	33-37	2006	
VC	0424	Cucumber			CXL	99	36	33-35	2004	
FB	0269	Grapes			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)
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)			CXL	99	34	33	2003	
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	

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

51 Methidathion

Main Uses: Insecticide

ADI: 0–0.002 mg/kg bw (2022)

ARfD: 0.01 mg/kg bw (2022)

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

For long-term dietary exposure assessment for plant commodities: Sum of methidathion, S-2,3,- dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O-methyl phosphorodithioate and 2,3-dihydro-5-methoxy-1,3,4-thiadiazol-2- one (free and conjugate), and 4x S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphorothioate, expressed as methidathion.

For acute dietary exposure assessment for plant commodities: sum of methidathion and 4x S-2,3- dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphorothioate, expressed as methidathion.

The Meeting was unable to reach a conclusion on the residue definitions for compliance with the MRL and dietary risk assessment for animal commodities.

The residue is not fat soluble

Note: CCPR agreed to keep this compound in the list of pesticides, wait for data submission on peach and mango to the 2020 JMPR, and agreed to consider withdrawing all existing CXLs at CCPR49 (2017) (48:36). JMPR (2022) established a new ADI and reconfirmed the ARfD established in 1997.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.5			CXL					Recommended for withdrawal by JMPR (2022)
FS	0013 Cherries (subgroup)	0.2			CXL					Recommended for withdrawal by JMPR (2022)
FB	0269 Grapes	1			CXL		30	28,29	1999	Recommended for withdrawal by JMPR (2022)
FC	0003 Mandarins (including mandarin-like hybrids) (subgroup)	5			CXL					Recommended for withdrawal by JMPR (2022)
FP	0230 Pear	1			CXL		30	28,29	1999	Recommended for withdrawal by JMPR (2022)
DT	1114 Tea, green, black (black, fermented and dried)	0.5			CXL		28		1997	Recommended for withdrawal by JMPR (2022)

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			3	2022	54			
VB	0402	Brussels sprouts			3	2022	54			
AB	0001	Citrus pulp, dried			3	2022	54			
VD	2065	Dry beans (subgroup)		(except soya bean)	3	2022	54			
MO	0105	Edible offal (mammalian)			3	2022	54			
PE	0112	Eggs			3	2022	54			
MF	0100	Mammalian fats (except milk fats)			3	2022	54			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)			3	2022	54			
ML	0106	Milks			3	2022	54			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			3	2022	54			On the basis of the information provided to 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.
PF	0111	Poultry fats			3	2022	54			
PM	0110	Poultry meat			3	2022	54			
PO	0111	Poultry, edible offal of			3	2022	54			
SO	0495	Rape seed			3	2022	54			
HS	0191	Spices, fruits and berries		Residues of omethoate resulting from the use of dimethoate.	CXL	10	44	43	2012	Recommended for withdrawal. These MRLs applied to residues that may have resulted from the use of dimethoate.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0193	Spices, roots and rhizomes		Residues of omethoate resulting from the use of dimethoate.	CXL	10	44	43	2012	Recommended for withdrawal. These MRLs applied to residues that may have resulted from the use of dimethoate.
VO	0448	Tomato			3	2022	54			
GC	0654	Wheat			3	2022	54			
CF	0654	Wheat bran, processed			3	2022	54			
CF	1210	Wheat germ			3	2022	54			
AS	0654	Wheat, hay and/or straw			3	2022	54			
VP	0544	Yard-long bean (pods)	(dw)		3	2022	54			

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
SO 0702	Sunflower seed	2			CXL	04	38	37	2006	
FT 0305	Table olives	0.1			CXL	04	38	37	2006	
DT 1114	Tea, green, black (black, fermented and dried)	0.2			CXL	04	38	37	2006	
TN 0085	Tree nuts (group)	0.05			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.2			CXL	00	36	34,35	2004	
VD 0071	Beans (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)

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
MO 1280	Cattle kidney	0.3		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
MO 1281	Cattle liver	1			CXL	01	36	34	2004	
MM 0812	Cattle meat	5	(fat)	The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
ML 0812	Cattle milk	0.2		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
GC 0080	Cereal grains (group)	30	Po		CXL	01,02	36	34	2004	
FC 0001	Citrus fruits (group)	5			CXL	01,02	36	34	2004	
JF 0001	Citrus juice	0.05			CXL	01	36	34	2004	
DF 0167	Dried fruits	0.2	Po		CXL	01,02	36	34	2004	
PE 0112	Eggs	1		The MRL accommodates external animal treatment.	CXL	01,02	36	34	2004	
VC 0045	Fruiting vegetables, cucurbits (group)	1			CXL	01,02	36	34	2004	
MO 0098	Kidney of cattle, goats, pigs and sheep	0.2		Except cattle kidney	CXL	02	36		2004	
VL 0483	Lettuce, leaf	50			CXL	01,02	36	34	2004	
MO 0099	Liver of cattle, goats, pigs & sheep	1			CXL	02	36		2004	
OC 0645	Maize oil, crude	80	PoP		CXL	01,02	36	34	2004	
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)	Except cattle meat	CXL	02	36		2004	
ML 0106	Milks	0.05	F		CXL		36	34	2004	
VL 0485	Mustard greens	50			CXL	01,02	36	34	2004	
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	
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									
PM	0110	Poultry meat	7	(fat)	The MRL accommodates external animal treatment.	CXL	02	36	34	2004
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.

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.

The Meeting was unable to reach a conclusion on the residue definition for dietary risk assessment in plant commodities.

The Meeting 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.

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)
HS	0444 Peppers chili, dried	0.1			CXL	04	38	37	2006	Recommended withdrawal by JMPR (2022)
VO	0445 Peppers, sweet (including pimento or pimienta)	0.05 (*)			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									
VD	0541	Soya bean (dry)	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AL	0541	Soya bean, hay and/or straw	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
HS	0191	Spices, fruits and berries	0.02		CXL		37		2005	Recommended withdrawal by JMPR (2022)
HS	0193	Spices, roots and rhizomes	2		CXL		37		2005	Recommended withdrawal by JMPR (2022)
HS	0190	Spices, seeds	0.1		CXL		37		2005	Recommended withdrawal by JMPR (2022)
VR	0596	Sugar beet	0.01	(*)	CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
VO	0448	Tomato	0.02		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
GC	0654	Wheat	0.01		CXL	98	34	32	2003	Recommended withdrawal by JMPR (2022)
AS	0654	Wheat, hay and/or straw	0.03		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. 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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 & 0.5 0.1 mg/kg body weight for woman of childbearing 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, carbendazime and thiophanate-methyl, expressed as carbendazim.

Note: 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.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FS 0240	Apricot	2	B		CXL	94	33	28,32	2001	
VS 0621	Asparagus	0.2	C		CXL	03	38	36,37	2006	
FI 0327	Banana	0.2	B		CXL	98	38	32,34,36,37	2006	
GC 0640	Barley	0.5	C		CXL	98	38	32,34,36,37	2006	
AS 0640	Barley, hay and/or straw	2	C		CXL	98	38	32,34,36,37	2006	
VD 0071	Beans (dry)	0.5	Th		CXL	98	38	32,34,36,37	2006	
FB 0018	Berries and other small fruits	1	B,Th	Except grapes	CXL	94	38	28,32-37	2006	
VB 0402	Brussels sprouts	0.5	B		CXL				1991	
VR 0577	Carrot	0.2	B		CXL	98	38	32,34,36,37	2006	
MM 0812	Cattle meat	0.05 (*)	B		CXL	98	38	32,34,36,37	2006	
FS 0013	Cherries (subgroup)	10	Th	Based on thiophanatemethyl use	CXL	03	40	36-39	2008	
PF 0840	Chicken fat	0.05 (*)	B		CXL	98	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	03	38	36,37	2006	
VC 0424	Cucumber	0.05 (*)	b,C		CXL	98	38	32,34,36,37	2006	
MO 0105	Edible offal (mammalian)	0.05 (*)	B		CXL	98	38	32,34,36,37	2006	
PE 0112	Eggs	0.05 (*)	B		CXL	98	38	32,34,36,37	2006	
VP 0529	Garden pea, shelled (succulent seeds)	0.02	Th		CXL	98	38	32,34,36,37	2006	
VC 0425	Gherkin	0.05 (*)	b,C		CXL	98	38	32,34,36,37	2006	
FB 0269	Grapes	3	b,Th		CXL	98	40	32,34,36-39	2008	
VL 0482	Lettuce, head	5	Th		CXL	94	40	28,32-39	2008	
FI 0345	Mango	5	C	Based on carbendazime use	CXL	03	40	36-39	2008	
ML 0106	Milks	0.05 (*)	B		CXL	98	38	32,34,36,37	2006	
FS 0245	Nectarine	2	B		CXL	94	33	28,32	2001	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1	B		CXL	98	40	32,34,36-39	2008	
FS 0247	Peach	2	B		CXL	94,98	33	28,32	2001	
SO 0697	Peanut	0.1 (*)	Th		CXL	03	38	36,37	2006	
AL 0697	Peanut fodder	3	Th		CXL	03	38	36,37	2006	
VO 0444	Peppers chili	2	Th		CXL	03	38	36,37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0444	Peppers chili, dried	20	C		CXL	04	38	37	2006
FI	0353	Pineapple	5	B		CXL	98	34	32	2003
FS	0014	Plums (including fresh prunes) (subgroup)	0.5	B		CXL	94,98	33	28,32	2001
FP	0009	Pome fruits (group)	3	B,c,th		CXL	98	33	28,32	2001
PM	0110	Poultry meat	0.05	(*)	B	CXL	98	38	32,34,36,37	2006
SO	0495	Rape seed	0.05	(*)	C	CXL	98	38	32,34,36,37	2006
AS	0649	Rice, hay and/or straw	15	C		CXL	98	38	32,34,36,37	2006
CM	0649	Rice, husked	2	(*)	B	CXL	98	38	32,34,36,37	2006
GC	0650	Rye	0.1		C,Th	CXL	94	38	32,34,36,37	2006
VD	0541	Soya bean (dry)	0.5		Th	CXL	03	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	03	38	36,37	2006
VR	0596	Sugar beet	0.1	(*)	Th	CXL	03	38	36,37	2006
VO	0448	Tomato	0.5		b,C	CXL	98	33	28,32	2001
TN	0085	Tree nuts (group)	0.1	(*)	B	CXL	98	32		2001
GC	0654	Wheat	0.05	(*)	b,Th	CXL	98	38	32,34,36,37	2006
AS	0654	Wheat, hay and/or straw	1		B,C	CXL	98	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	Beans (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	

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
VA 0387	Onion, Welsh	10			CXL	10	43		2011	
FI 0350	Papaya	20			CXL	10	43		2011	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	1.5			CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut			CXL	10	43		2011	
VO	0051	Peppers (subgroup)			CXL	2015	48		2016	
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 childbearing age; 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		CXL	98	34	32	2003	
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		2009	49	43,44,45,46,47	2017	
FC	0001	Citrus fruits (group)	2			09	45	42	2013	
MO	0105	Edible offal (mammalian)	0.01			09	43		2011	
VO	0440	Eggplant	1			09	42		2010	
PE	0112	Eggs	0.01	(*)		09	43		2011	
AB	0269	Grape pomace, dried	5			09	43		2011	
FB	0269	Grapes	1			09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)		09	43		2011	
FM	0183	Milk fats	0.01	(*)		09	43		2011	
ML	0106	Milks	0.01	(*)		09	43		2011	
VO	0051	Peppers (subgroup)	1			09	42		2010	
HS	0444	Peppers chili, dried	10			09	42		2010	
FP	0009	Pome fruits (group)	1			09	42		2010	
VR	0589	Potato	0.01	(*)		09	42		2010	
PM	0110	Poultry meat	0.01	(fat)		09	43		2011	
PO	0111	Poultry, edible offal of	0.01	(*)		09	43		2011	
HS	0191	Spices, fruits and berries	0.3				37		2005	
HS	0193	Spices, roots and rhizomes	5				37		2005	
HS	0190	Spices, seeds	1				37		2005	
FS	0012	Stone fruits (group)	0.5			09	42		2010	
FB	0275	Strawberry	0.06			09	42		2010	
VO	0448	Tomato	1			09	42		2010	
GC	0654	Wheat	3	Po		2009	49	43,44,45,46,47	2017	
CM	0654	Wheat bran, unprocessed	6	PoP		2009	49	43,44,45,46,47	2017	
CF	1210	Wheat germ	5	PoP		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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
AL 0061	Bean fodder	10			CXL	01	37	34-36	2005	
VD 0071	Beans (dry)	0.05			CXL	01	36	34,35	2004	
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	
VA 0385	Onion, bulb	0.2			CXL	01			1991	
FS 0247	Peach	0.2			CXL	01	36	34,35	2004	
FP 0230	Pear	0.3			CXL	08	41		2009	
VP 0063	Peas (pods and succulent=immature seeds)	5			CXL	01			1991	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)	0.7		CXL	04	37		2005	
HS	0444	Peppers chili, dried	10		CXL	04	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)	1		CXL	01	36	34,35	2004	
VR	0589	Potato	0.02	(*)	CXL	01	36	34,35	2004	
PM	0110	Poultry meat	0.02	(*)	CXL	01	36	34,35	2004	
PO	0111	Poultry, edible offal of	0.02	(*)	CXL	01	36	34,35	2004	
SO	0495	Rape seed	0.05		CXL	01	36	34,35	2004	
VD	0541	Soya bean (dry)	0.2		CXL	01				
AB	0541	Soya bean hulls	1		CXL	01	36	34,35	2004	
AB	1265	Soya bean meal	20		CXL	01	36	34,35	2004	
OC	0541	Soya bean oil, crude	0.2		CXL	01	36	34,35	2004	
OR	0541	Soya bean oil, refined	0.2		CXL	01	36	34,35	2004	
AL	0541	Soya bean, hay and/or straw	0.2		CXL	01	36	34,35	2004	
HS	0191	Spices, fruits and berries	0.07		CXL		43		2011	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass- like plants	10		CXL	01	36	34,35	2004	
VO	0448	Tomato	1		CXL	08	41		2009	
GC	0654	Wheat	2		CXL	01	37	34-36	2005	
CM	0654	Wheat bran, unprocessed	3		CXL	01	37	34-36	2005	
CF	1211	Wheat flour	0.03		CXL	01	37	34-36	2005	
CF	1210	Wheat germ	2		CXL	01	37	34-36	2005	
AS	0654	Wheat, hay and/or straw	5		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: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Carbofuran and 3-hydroxy carbofuran expressed as carbofuran.
The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0327	Banana	0.01 (*)			CXL	12	45		2013	
MF 0812	Cattle fat	0.05 (*)			CXL	97	31		1999	
AB 0001	Citrus pulp, dried	2		Based on the use of carbosulfan	CXL	97	32	31	2001	
SB 0716	Coffee beans	1			CXL	97	31		1999	
SO 0691	Cotton seed	0.1			CXL	02	36	35	2004	
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.05 (*)			CXL	97	31		1999	
MF 0814	Goat fat	0.05 (*)			CXL	97	31		1999	
MF 0816	Horse fat	0.05 (*)			CXL	97	31		1999	
GC 0645	Maize	0.05 (*)		Based on the use of carbosulfan	CXL	03	37	36	2005	
FC 0206	Mandarin	0.5		Based on the use of carbosulfan	CXL	99	42	33,36,37,38	2010	
MM 0096	Meat of cattle, goats, horses, pigs & sheep	0.05 (*)			CXL	97	31		1999	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.5			CXL	97,04	42	31-41	2010	
MF 0818	Pig fat	0.05 (*)			CXL	97	31		1999	
SO 0495	Rape seed	0.05 (*)			CXL	02	36	35	2004	
AS 0649	Rice, hay and/or straw	1			CXL	02	36	35	2004	
CM 0649	Rice, husked	0.1			CXL	02	36	35	2004	
MF 0822	Sheep fat	0.05 (*)			CXL	97	31		1999	
GC 0651	Sorghum grain	0.1 (*)			CXL	97	31		1999	
AS 0651	Sorghum straw and fodder, dry	0.5			CXL	97	32	31	2001	
HS 0193	Spices, roots and rhizomes	0.1			CXL		43		2011	
VR 0596	Sugar beet	0.2		Based on the use of carbosulfan	CXL	03	37	36	2005	
GS 0659	Sugar cane	0.1 (*)			CXL	97	31		1999	
SO 0702	Sunflower seed	0.1 (*)			CXL	97	31		1999	

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			CXL	03	37	36	2005	
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)			CXL	03	38	36,37	2006	
SO	0691	Cotton seed			CXL	03	37	36	2005	
MO	0105	Edible offal (mammalian)			CXL	03	37	36	2005	
PE	0112	Eggs			CXL	03	37	36	2005	
AM	1051	Fodder beet			CXL	03	37	36	2005	
MM	0095	Meat (from mammals other than marine mammals)			CXL	03	37	36	2005	
ML	0106	Milks			CXL	03	37	36	2005	
VR	0589	Potato			CXL	03	37	36	2005	
PM	0110	Poultry meat			CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of			CXL	03	37	36	2005	
AS	0649	Rice, hay and/or straw			CXL	11	44		2012	(arising from the use of acephate on rice)
CM	0649	Rice, husked			CXL	11	44		2012	(arising from the use of acephate on rice)
VD	0541	Soya bean (dry)			CXL	03	37	36	2005	
HS	0093	Spices			CXL		37		2005	
VR	0596	Sugar beet			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
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		Except soya bean (dry)	CXL	06	39		2007

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0495	Rape seed			CXL	06	39		2007	
VR	0075	Root and tuber vegetables (group)			CXL	06	39		2007	
HS	0190	Spices, seeds			CXL		37		2005	
FS	0012	Stone fruits (group)			CXL	06	39		2007	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	(dw)	Except rice straw and fodder, dry	CXL	06	39		2007	
SO	0702	Sunflower seed			CXL	06	39		2007	
VO	1275	Sweet corn (kernels)			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FS 0240	Apricot	10			CXL	97	40	31,33-39	2008	
FB 0020	Blueberries	10			CXL	07	40		2008	
MM 0812	Cattle meat	1	(fat) V		CXL		31		1999	
FC 0001	Citrus fruits (group)	3			CXL	02,07	45	35-40	2013	
SO 0691	Cotton seed	0.05			CXL	97	32	31	2001	
FB 0265	Cranberry	3			CXL	2014	47		2015	
FB 0269	Grapes	10			CXL	97	31		1999	
ML 0106	Milks	0.02			CXL		31		1999	
FS 0245	Nectarine	10			CXL	02,07	40	35-39	2008	
FS 0247	Peach	10			CXL	97	31		1999	
FP 0009	Pome fruits (group)	10			CXL	02	40	35-39	2008	
VR 0589	Potato	0.05	(*)		CXL	97	32	31	2001	
TN 0085	Tree nuts (group)	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	0.3			3	2022	54			
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	
PE 0112	Eggs	0.05 (*)	C,p		CXL	2004	37		2005	
HS 0731	Fennel, seed	0.1			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/Mancozeb(050).
VA 0381	Garlic	0.5	c		CXL	1995	31	28-30	1999	
VR 0604	Ginseng	0.3			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/Mancozeb(050).

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DV 0604	Ginseng, dried including red ginseng	1.5			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050).
FB 0269	Grapes	5	C,m,n		CXL	2004	37		2005	
DH 1100	Hops, dry	30	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)	15	c,N		CXL	1995	31	28-30	1999	
VA 0384	Leek	0.5	c		CXL	1995	31	28-30	1999	
VL 0482	Lettuce, head	0.5	C,N,m		CXL	1995	31	28-30	1999	
FI 0342	Longan	15			3	2022	54			
GC 0645	Maize	0.15			3	2022	54			
AS 0645	Maize fodder (dry)	2	c		CXL	1995	31	28-30	1999	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	10	c		CXL	1995	31	28-30	1999	
FI 0345	Mango	2	c		CXL	1995	31	28-30	1999	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	c,m,p		CXL	2004	37		2005	
VC 0046	Melons, except watermelon	0.5	C		CXL	2004	37		2005	
ML 0106	Milks	0.05 (*)	c,m,p		CXL	2004	37		2005	
VA 0385	Onion, bulb	0.5	C		CXL	2004	37		2005	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	2	c		CXL	1995	31	28-30	1999	
FI 0350	Papaya	5	c		CXL	1995	31	28-30	1999	
SO 0697	Peanut	0.1 (*)	c		CXL	1995	31	28-30	1999	
AL 0697	Peanut fodder	5	c		CXL	1995	31	28-30	1999	
TN 0672	Pecan	0.1 (*)	Z		CXL	2004	37		2005	
HS 0790	Pepper, black, white	0.1			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozeb(050) Refer to Dithiocarbamates(105)/ Mancozeb(050).
HS 0444	Peppers chili, dried	20			CXL	2014	47		2015	
VO 0445	Peppers, sweet (including pimento or pimiento)	1	c,n		CXL	1995	31	28-30	1999	
FP 0009	Pome fruits (group)	5	C,M,H,Z		CXL	2004	37		2005	
VR 0589	Potato	0.2	c,m,n,p		CXL	2004	37		2005	
PM 0110	Poultry meat	0.1	c,p		CXL	2004	37		2005	
PO 0111	Poultry, edible offal of	0.1	c,p		CXL	2004	37		2005	
VC 0429	Pumpkins	0.2	c		CXL	1995	31	28-30	1999	
GC 0649	Rice	3			3	2022	54			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CM	0649	Rice, husked			3	2022	54			
CM	1205	Rice, polished			3	2022	54			
VD	0541	Soya bean (dry)			3	2022	54			
VA	0389	Spring onion	n		CXL	1995	31	28-30	1999	
VC	0431	Squash, summer	c		CXL	1995	31	28-30	199	
FS	0012	Stone fruits (group)	h,p,Z		CXL	2004	37		2005	
FB	0275	Strawberry	H		CXL	1996	32	30	2001	
VR	0596	Sugar beet	C,n		CXL	1995	31	28-30	1999	
VO	0447	Sweet corn (corn-on-the-cob)	c	(*)	CXL	1995	31	28-30	1999	
VO	0448	Tomato	p		CXL	2004	38	37	2006	
VC	0432	Watermelon	c,N		CXL	1995	30	28,29	1999	
GC	0654	Wheat	C,n,m		CXL	1995	31	28-30	1999	
AS	0654	Wheat, hay and/or straw	C,n,m		CXL	1995	31	28-30	1999	
VC	0433	Winter squash	c		CXL	1995	31	28-30	1999	

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	2015	48		2016	
GC	0640	Barley			CXL	2015	48		2016	
AS	0640	Barley, hay and/or straw		(dw)	CXL	2015	48		2016	
FS	0013	Cherries (subgroup)			CXL	2015	48		2016	
SO	0691	Cotton seed			CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)			CXL	2015	48		2016	
PE	0112	Eggs		(*)	CXL	2015	48		2016	
FT	0297	Fig			CXL	2015	48		2016	
FB	0269	Grapes			CXL	2015	48		2016	
MF	0100	Mammalian fats (except milk fats)		(*)	CXL	2015	48		2016	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	2015	48		2016	
ML	0106	Milks		(*)	CXL	2015	48		2016	
FI	0353	Pineapple			CXL	2015	48		2016	
PF	0111	Poultry fats			CXL	2015	48		2016	
PM	0110	Poultry meat			CXL	2015	48		2016	
PO	0111	Poultry, edible offal of			CXL	2015	48		2016	
GC	0650	Rye			CXL	2015	48		2016	
AS	0650	Rye straw and fodder, dry		(dw)	CXL	2015	48		2016	
FT	0305	Table olives			CXL	2015	48		2016	
VO	0448	Tomato			CXL	2015	48		2016	
GC	0653	Triticale			CXL	2015	48		2016	
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2015	48		2016	
GC	0654	Wheat			CXL	2015	48		2016	
CM	0654	Wheat bran, unprocessed			CXL	2015	48		2016	
CF	1210	Wheat germ			CXL	2015	48		2016	
AS	0654	Wheat, hay and/or straw		(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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
TN 0660	Almonds	0.5			CXL				1995	
FI 0327	Banana	10			CXL		28		1997	
FS 0013	Cherries (subgroup)	10			CXL		28		1997	
PM 0840	Chicken meat	0.05 (*)			CXL				1995	
PO 0840	Chicken, edible offal of	0.05 (*)			CXL				1995	
FC 0001	Citrus fruits (group)	5		(including kumquats)	CXL				1995	
AB 0001	Citrus pulp, dried	25			CXL				1995	
VC 0424	Cucumber	0.5			CXL				1995	
MO 0105	Edible offal (mammalian)	0.2			CXL		28		1997	
PE 0112	Eggs	0.05			CXL				1995	
AB 0269	Grape pomace, dried	100			CXL				1995	
FB 0269	Grapes	5			CXL				1995	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)			CXL				1995	
ML 0106	Milks	0.05 (*)			CXL				1995	
FS 0247	Peach	7			CXL				1995	
TN 0672	Pecan	0.5			CXL				1995	
FS 0014	Plums (including fresh prunes) (subgroup)	3			CXL					
FP 0009	Pome fruits (group)	5			CXL				1995	
DF 0014	Prunes	10			CXL		28		1997	
DF 5263	Raisins (seedless white grape var., partially dried)	20			CXL		28		1997	
FB 0275	Strawberry	10			CXL				1995	
VO 0448	Tomato	1			CXL				1995	
TN 0678	Walnuts	0.5			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					

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 Beans (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	

113 Propargite

Main Uses: Acaricide

ADI: 0.01 mg/kg bw (1999)

ARfD: Unnecessary. Confirmed 2006. (1999)

Residue: For compliance with MRLs and for estimation of dietary intake: Propargite. This definition applies to both plant and animal commodities. 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	50			CXL	02	36	35	2004	
TN 0660	Almonds	0.1		(*)	CXL	02	36	35	2004	
FP 0226	Apple	3			CXL	02	36	35	2004	
JF 0226	Apple juice	0.2			CXL	02	36	35	2004	
VD 0071	Beans (dry)	0.3			CXL	06	39		2007	
VD 0523	Broad bean (dry)	0.3			CXL	06	39		2007	
VD 0524	Chick-pea (dry)	0.3			CXL	06	39		2007	
FC 0001	Citrus fruits (group)	3			CXL	02	36	35	2004	
AB 0001	Citrus pulp, dried	10			CXL	02	36	35	2004	
SO 0691	Cotton seed	0.1			CXL	02	36	35	2004	
OR 0691	Cotton seed oil, edible	0.2			CXL	02	36	35	2004	
MO 0105	Edible offal (mammalian)	0.1		(*)	CXL	02	36	35	2004	
PE 0112	Eggs	0.1		(*)	CXL	02	36	35	2004	
JF 0269	Grape juice	1			CXL	02	36	35	2004	
AB 0269	Grape pomace, dried	40			CXL	02				
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	12			CXL	02	36	35	2004	
FB 0269	Grapes	7			CXL	02	36	35	2004	
DH 1100	Hops, dry	100			CXL	02	36	35	2004	
VD 0545	Lipin (dry)	0.3			CXL	06	39		2007	
GC 0645	Maize	0.1		(*)	CXL	02				
CF 1255	Maize flour	0.2			CXL	02	36	35	2004	
OC 0645	Maize oil, crude	0.7			CXL	02	36	35	2004	
OR 0645	Maize oil, edible	0.5			CXL	02	36	35	2004	
MM 0095	Meat (from mammals other than marine mammals)	0.1		(*) (fat)	CXL	02	36	35	2004	
ML 0106	Milks	0.1		(*) F	CXL	02	36	35	2004	
JF 0004	Orange juice	0.3			CXL	02	36	35	2004	
SO 0697	Peanut	0.1		(*)	CXL	02				
OC 0697	Peanut oil, crude	0.3			CXL	02	36	35	2004	
OR 0697	Peanut oil, edible	0.3			CXL	02	36	35	2004	
VR 0589	Potato	0.03			CXL	06	39		2007	
PM 0110	Poultry meat	0.1		(*) (fat)	CXL	02	36	35	2004	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.02			CXL	94	28		1997	
AS 0640	Barley, hay and/or straw	0.05			CXL	94	28		1997	
VD 0071	Beans (dry)	0.1			CXL	94				
VB 0402	Brussels sprouts	0.1			CXL	93,94	28		1997	
FC 0001	Citrus fruits (group)	0.2			CXL	94				
SB 0716	Coffee beans	0.1			CXL	94				
SO 0691	Cotton seed	0.1			CXL	94				
OR 0691	Cotton seed oil, edible	0.01	(*)		CXL	94	28		1997	
FB 0269	Grapes	0.2			CXL	94	28		1997	
GC 0645	Maize	0.05			CXL	94				
AS 0645	Maize fodder (dry)	0.5			CXL	94	28		1997	
MM 0095	Meat (from mammals other than marine mammals)	0.01	(*)		CXL	94				
ML 0106	Milks	0.01	(*)		CXL	94				
VA 0385	Onion, bulb	0.1			CXL	94	28		1997	
SO 0697	Peanut	0.02			CXL	94	28		1997	
OR 0697	Peanut oil, edible	0.01	(*)		CXL	94	28		1997	
TN 0672	Pecan	1			CXL	94	28		1997	
GC 0651	Sorghum grain	0.1			CXL	94	28		1997	
AS 0651	Sorghum straw and fodder, dry	0.5			CXL	94				
VD 0541	Soya bean (dry)	0.02	(*)		CXL	94				
HS 0191	Spices, fruits and berries	0.07			CXL		43		2011	
HS 0193	Spices, roots and rhizomes	0.02			CXL		43		2011	
VR 0596	Sugar beet	0.05	(*)		CXL	94				
GS 0659	Sugar cane	0.1			CXL	94	28		1997	
SO 0702	Sunflower seed	0.05	(*)		CXL	94	28		1997	
VR 0508	Sweet potato	0.1			CXL	94				
GC 0654	Wheat	0.02			CXL	94	28		1997	
AS 0654	Wheat, hay and/or straw	0.05			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	
GC 0640	Barley	2	Po C		CXL	09	42		2010	
AL 0061	Bean fodder	2			CXL	08	41		2009	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	1			CXL	08	41		2009	
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	(excluding 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	
DV 0604	Ginseng, dried including red ginseng	0.15			CXL	2019	52		2021	
DM 0604	Ginseng, extracts	0.06	(*)		CXL	2019	52		2021	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	0.5			CXL	08	41		2009	
FB 0269	Grapes	0.2			CXL	08	41		2009	
VL 0053	Leafy vegetables (group)	0.7			CXL	08	41		2009	
VA 0384	Leek	0.05			CXL	08	41		2009	

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	CXL	09	42		2010	
CM	0654	Wheat bran, unprocessed		PoP	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 also 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									
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
MM 0812	Cattle meat	0.05		The MRL accommodates external animal treatment.	CXL					
FS 0013	Cherries (subgroup)	0.5			CXL					
SO 0691	Cotton seed	0.5			CXL					
OC 0691	Cotton seed oil, crude	0.05			CXL					
VC 0424	Cucumber	0.5			CXL					
MO 0097	Edible offal of cattle, pigs & sheep	0.2		The MRL accommodates external animal treatment.	CXL					
ML 0106	Milks	0.01 (*)		The MRL accommodates external animal treatment.	CXL					
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.5			CXL					
FS 0247	Peach	0.5			CXL					
MM 0818	Pig meat	0.05		The MRL accommodates external animal treatment.	CXL					
FP 0009	Pome fruits (group)	0.5			CXL					
MM 0822	Sheep meat	0.1		The MRL accommodates external animal treatment.	CXL					
VO 0448	Tomato	0.5			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 (*)		(except martynia, okra and roselle)	CXL	2017, 2018	51	50	2019	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.05 (*)			CXL	11	45	44	2013	
FC 0001	Citrus fruits (group)	0.5			CXL	02	36	35	2004	
MO 0105	Edible offal (mammalian)	0.1 (*)			CXL	02	36	35	2004	
PE 0112	Eggs	0.05 (*)			CXL	02				
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	3			CXL	11	45	44	2013	
MM 0095	Meat (from mammals other than marine mammals)	0.1 (fat)			CXL	02	36	35	2004	
ML 0106	Milks	0.02 (*) F			CXL	02	36	35	2004	
VO 0450	Mushrooms	0.3			CXL	02	36	35	2004	
VL 0485	Mustard greens	10			CXL	11	45	44	2013	
FS 0245	Nectarine	0.5			CXL	11	45	44	2013	
GC 0647	Oats	0.05 (*)			CXL	11	45	44	2013	
FS 0247	Peach	0.5			CXL	11	45	44	2013	
SO 0697	Peanut	0.1			CXL	11	45	44	2013	
AL 0697	Peanut fodder	40			CXL	11	45	44	2013	
VO 0444	Peppers chili	3			CXL	11	45	44	2013	
HS 0444	Peppers chili, dried	20			CXL	11	45	44	2013	
VO 0445	Peppers, sweet (including pimento or pimiento)	0.7			CXL	11	45	44	2013	
FS 0014	Plums (including fresh prunes) (subgroup)	0.5			CXL	11	45	44	2013	
FP 0009	Pome fruits (group)	5			CXL	02	36	35	2004	
PM 0110	Poultry meat	0.05 (*) (fat)			CXL	02	36	35	2004	
GC 0649	Rice	0.01 (*)			CXL	02	36	35	2004	
AS 0649	Rice, hay and/or straw	0.7			CXL	02	36	35	2004	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	1.5			CXL	11	45	44	2013	
TN 0085	Tree nuts (group)	0.2			CXL	11	45	44	2013	
GC 0653	Triticale	0.05 (*)			CXL	11	45	44	2013	
GC 0654	Wheat	0.05 (*)			CXL	11	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 pimienta)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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	

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)	0.02		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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.2			CXL	02	36	35	2004	
VR 0577	Carrot	0.02			CXL	02	36	35	2004	
GC 0080	Cereal grains (group)	2	Po		CXL	02	36	35	2004	
FC 0001	Citrus fruits (group)	0.02			CXL	02	36	35	2004	
PE 0112	Eggs	0.02		(*)	CXL	02	36	35	2004	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.1			CXL	02	36	35	2004	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL					
FB 0269	Grapes	0.2			CXL	02	36	35	2004	
TN 0666	Hazelnuts	0.02		(*)	CXL	02	36	35	2004	
MO 0098	Kidney of cattle, goats, pigs and sheep	0.03		(*)	CXL	02	36	35	2004	
VL 0053	Leafy vegetables (group)	2			CXL	02	38	36,37	2006	
VA 0384	Leek	0.2			CXL	02	36	35	2004	
VP 0060	Legume vegetables (group)	0.2			CXL	02	36	35	2004	
MO 0099	Liver of cattle, goats, pigs & sheep	0.03		(*)	CXL	02	36	35	2004	
MM 0095	Meat (from mammals other than marine mammals)	0.5	(fat)		CXL	02				The MRL accommodates external animal treatment.
ML 0106	Milks	0.05	F		CXL	02	36	35	2004	
VO 0450	Mushrooms	0.05			CXL	02	36	35	2004	
FS 0245	Nectarine	0.05			CXL	02	36	35	2004	
VA 0385	Onion, bulb	0.05			CXL	02	36	35	2004	
FS 0247	Peach	0.05			CXL	02	36	35	2004	
FS 0014	Plums (including fresh prunes) (subgroup)	0.05			CXL	02	36	35	2004	
VR 0589	Potato	0.01		(*)	CXL	02	36	35	2004	
PM 0110	Poultry meat	0.1	(fat)		CXL	02	36	35	2004	
PO 0111	Poultry, edible offal of	0.02		(*)	CXL	02	36	35	2004	
VD 0070	Pulses (group)	1	Po		CXL	02	36	35	2004	
VR 0494	Radish	0.01		(*)	CXL	02	36	35	2004	
SO 0495	Rape seed	0.2			CXL	2016	49		2017	
HS 0191	Spices, fruits and berries	0.03			CXL		43		2011	
HS 0193	Spices, roots and rhizomes	0.5			CXL		43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0275	Strawberry	0.2		CXL	02	36	35	2004	
SO	0702	Sunflower seed	0.05	(*)	CXL	02	36	35	2004	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	CXL	02	36	35	2004	
FT	0305	Table olives	1		CXL	02	36	35	2004	
DT	1114	Tea, green, black (black, fermented and dried)	5		CXL	02	36	35	2004	
VO	0448	Tomato	0.3		CXL	02	36	35	2004	
TN	0678	Walnuts	0.02	(*)	CXL	02	36	35	2004	
CM	0654	Wheat bran, unprocessed	5	PoP	CXL	02			1995	
CF	1211	Wheat flour	0.3	PoP	CXL	02	36	35	2004	
CF	1212	Wheat wholemeal	2	PoP	CXL	02	36	35	2004	

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).

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).
VR	0577 Carrot	0.02 (*)	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
FC	0001 Citrus fruits (group)	5 Po			CXL					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									
VC	0424	Cucumber			CXL				1991	Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VB	0042	Flowerhead brassicas (subgroup)	(M)	(Residue data that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	
VC	0425	Gherkin			CXL				1991	Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VR	0604	Ginseng	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
DV	0604	Ginseng, dried including red ginseng	(MM)		3	2022	54			
FB	0269	Grapes	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
DH	1100	Hops, dry			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VL	0483	Lettuce, leaf	(M)	(Residue data that was the basis for the estimation: Metalaxyl (M))	CXL	2021	53		2022	
VC	0046	Melons, except watermelon	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
VA	0385	Onion, bulb	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
OR	0004	Orange oil, edible			4	2021	53			CCPR retained the MRL for orange oil, edible at Step 4 awaiting submission of new data (53:53). CCPR retained the MRLs at Step 4 awaiting the submission of new data (53:53).
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	(M)	(Residue data that was the basis for the estimation: Metalaxyl (M))	4	2021	53			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0230 Pear	0.02 (*)	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
HS	0790 Pepper, black, white	2	(MM)	(Residue data that was the basis for the estimation: Metalaxyl-M (MM))	CXL	2021	53		2022	
VO	0051 Peppers (subgroup)	1			CXL					Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52). Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52). Withdrawal recommended by JMPR (2021). CCPR retained the MRL at Step 7 awaiting submission of new data (53:53)
HS	0444 Peppers chili, dried	10			CXL	04	38	37	2006	
VO	0445 Peppers, sweet (including pimento or pimienta)	0.5			7	2004	46	37, 38, 39, 40, 41, 42		
FI	0353 Pineapple	0.1	(M)		3	2022	54			
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). Withdrawal recommended by JMPR (2021). Retained under the 4-year rule (53:52).
VR	0596 Sugar beet	0.05 (*)			CXL					
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).

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

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FS 0240	Apricot	1			CXL	02				
FI 0327	Banana	0.5			CXL	99				
GC 0640	Barley	0.05 (*)			CXL	99	33		2001	
AS 0640	Barley, hay and/or straw	0.05 (*)			CXL	99	33		2001	
FS 0013	Cherries (subgroup)	1			CXL	99	33		2001	
VC 0424	Cucumber	0.5			CXL	99				
MO 0105	Edible offal (mammalian)	0.05 (*)			CXL	99	33		2001	
PE 0112	Eggs	0.01 (*)			CXL	99	33		2001	
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*) (fat)			CXL	99	33		2001	
ML 0106	Milks	0.05 (*)			CXL	99	33		2001	
FS 0245	Nectarine	1			CXL	99				
AS 0647	Oat straw and fodder, dry	0.05 (*)			CXL	99	33		2001	
GC 0647	Oats	0.05 (*)			CXL	99	33		2001	
FS 0247	Peach	1			CXL	99				
FS 0014	Plums (including fresh prunes) (subgroup)	2			CXL	99				
FP 0009	Pome fruits (group)	2			CXL	99				
PM 0110	Poultry meat	0.01 (*)			CXL	99	33		2001	
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	99	33		2001	
GC 0650	Rye	0.05 (*)			CXL	99	33		2001	
AS 0650	Rye straw and fodder, dry	0.05 (*)			CXL	99	33		2001	
VO 0448	Tomato	3			CXL	99	34	33	2003	
GC 0653	Triticale	0.05 (*)			CXL	99	33		2001	
AS 0653	Triticale, hay and/or straw	0.05 (*)			CXL	99	33		2001	
GC 0654	Wheat	0.05 (*)			CXL	99	33		2001	
AS 0654	Wheat, hay and/or straw	0.05 (*)			CXL	99	33		2001	

145 Carbosulfan

Main Uses: Insecticide

ADI: 0-0.01 mg/kg bw (1986)

ARfD: 0.02 mg/kg body weight. Group ARfD for woman of child-bearing age and unnecessary for the rest of the population. (2003)

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

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AB 0001	Citrus pulp, dried	0.1			CXL	97	37	31-36	2005	
SO 0691	Cotton seed	0.05			CXL	03	37	36	2005	
MO 0105	Edible offal (mammalian)	0.05		(*)	CXL	03	37	36	2005	
PE 0112	Eggs	0.05		(*)	CXL	03	37	36	2005	
GC 0645	Maize	0.05		(*)	CXL	03	37	36	2005	
FC 0206	Mandarin	0.1			CXL	99	42	31-41	2010	
MM 0095	Meat (from mammals other than marine mammals)	0.05		(*) (fat)	CXL	03	37	36	2005	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.1			CXL	97	42	31-41	2010	
PM 0110	Poultry meat	0.05		(*)	CXL	03	37	36	2005	
PO 0111	Poultry, edible offal of	0.05		(*)	CXL	03	37	36	2005	
AS 0649	Rice, hay and/or straw	0.05		(*)	CXL	03	37	36	2005	
HS 0191	Spices, fruits and berries	0.07			CXL		43		2011	
HS 0193	Spices, roots and rhizomes	0.1			CXL		43		2011	
VR 0596	Sugar beet	0.3			CXL	03	37	36	2005	

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	
FS	0245	Nectarine	0.5		CXL	08	41		2009	
GC	0647	Oats	0.05		CXL	08	41		2009	
SO	0088	Oilseeds and oilfruits (group)	0.2		CXL	08	41		2009	
FS	0247	Peach	0.5		CXL	08	41		2009	
HS	0444	Peppers chili, dried	3		CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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: 0.09 & 0.05 mg/kg bw 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						
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 (JMPR2007)
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 (JMPR2007)
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	07	40		2008	Residues are not expected as dietary burden in poultry is zero (JMPR2007)
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.1			CXL	07	40		2008	
VB 0041	Cabbages, head	0.08			CXL	07,12	45	43	2013	
VB 0404	Cauliflower	2			CXL	07	40		2008	
FC 0001	Citrus fruits (group)	0.3			CXL	07	40		2008	
AB 0001	Citrus pulp, dried	2			CXL	07	40		2008	
SO 0691	Cotton seed	0.7			CXL	07	40		2008	
OC 0691	Cotton seed oil, crude	1			CXL	07	40		2008	
MO 0105	Edible offal (mammalian)	0.02			CXL	12	45		2013	
VO 0440	Eggplant	0.2			CXL	07	40		2008	
PE 0112	Eggs	0.01		(*)	CXL	07	40		2008	
MM 0095	Meat (from mammals other than marine mammals)	0.2		(fat)	CXL	12	45		2013	
ML 0106	Milks	0.01			CXL	12	45		2013	
FP 0230	Pear	0.1			CXL	07	40		2008	
VO 0051	Peppers (subgroup)	0.2			CXL	07	40		2008	
HS 0444	Peppers chili, dried	1			CXL	07	40		2008	
VR 0589	Potato	0.01		(*)	CXL	07	40		2008	
PM 0110	Poultry meat	0.01		(*) (fat)	CXL	07	40		2008	
PO 0111	Poultry, edible offal of	0.01		(*)	CXL	07	40		2008	
SO 0495	Rape seed	0.07			CXL	07	40		2008	
VD 0541	Soya bean (dry)	0.03			CXL	12	45		2013	
AL 0541	Soya bean, hay and/or straw	4			CXL	12	45		2013	
HS 0191	Spices, fruits and berries	0.03			CXL		43		2011	
HS 0193	Spices, roots and rhizomes	0.05			CXL		43		2011	
VO 0448	Tomato	0.2			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 fodder			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	
SO	0702	Sunflower seed			CXL	05	38		2006	
VO	0447	Sweet corn (corn-on-the-cob)			CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed			CXL	05	38		2006	
AS	0654	Wheat, hay and/or straw			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 Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 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	
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	
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	
TN 0672	Pecan	0.02	(*)		CXL	2007	40		2008	
FI 0353	Pineapple	2	Po		CXL	2018	51		2019	
FS 0014	Plums (including fresh prunes) (subgroup)	0.4	Po		CXL	2018	51		2019	
GC 0656	Popcorn	0.05			CXL	2007	40		2008	
PM 0110	Poultry meat	0.01	(*) (fat)		CXL	2007	40		2008	

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)	4	Po		CXL	2018	51		2019
SO	0495	Rape seed	0.02			CXL	2007	40		2008
GC	0650	Rye	0.09			CXL	2015	48		2016
AS	0650	Rye straw and fodder, dry	15			CXL	2014	47		2015
VD	0541	Soya bean (dry)	0.07			CXL	2007	40		2008
AL	0541	Soya bean, hay and/or straw	5			CXL	2007	40		2008
VR	0596	Sugar beet	0.02			CXL	2007	40		2008
GS	0659	Sugar cane	0.02	(*)		CXL	2007	40		2008
VO	0447	Sweet corn (corn-on-the-cob)	0.05			CXL	2007	40		2008
VO	0448	Tomato	3	Po		CXL	2013	46		2014
GC	0653	Triticale	0.09			CXL	2015	48		2016
AS	0653	Triticale, hay and/or straw	15			CXL	2014	47		2015
GC	0654	Wheat	0.09			CXL	2015	48		2016
AS	0654	Wheat, hay and/or straw	15			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	07	40		2008	Based on triadimefon and triadimenol uses
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5		Except maize	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									
FB	0275 Strawberry	0.7			CXL	07	40		2008	Based on triadimenol use only
VR	0596 Sugar beet	0.05 (*)			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	Beans (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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
HS 0775	Cardamom	3			CXL	2015	48		2016	
SB 0716	Coffee beans	0.04			CXL	2018	51		2019	
HS 0779	Coriander, seed	0.1			CXL	2015	48		2016	
SO 0691	Cotton seed	3			CXL	2008	41		2009	
HS 0780	Cumin seed	5			CXL	2015	48		2016	
MO 0105	Edible offal (mammalian)	0.05		(*)	CXL	2008	41		2009	
PE 0112	Eggs	0.02		(*)	CXL	2008	41		2009	
HS 0731	Fennel, seed	0.1			CXL	2015	48		2016	
FI 0345	Mango	0.2			CXL	2008	41		2009	
FI 0346	Mangostan	10			CXL	2008	41		2009	
MM 0095	Meat (from mammals other than marine mammals)	0.05		(*)	CXL	2008	41		2009	
ML 0106	Milks	0.01		(*)	CXL	2008	41		2009	
VO 0444	Peppers chili	3			CXL	2011	44		2012	
HS 0444	Peppers chili, dried	20			CXL	2011	44		2012	
PM 0110	Poultry meat	0.05		(*)	CXL	2008	41		2009	
PO 0111	Poultry, edible offal of	0.05		(*)	CXL	2008	41		2009	
HS 0191	Spices, fruits and berries	0.07		(except cardamom)	CXL	2015	48		2016	
HS 0193	Spices, roots and rhizomes	0.05			CXL	2010	43		2011	
VO 0448	Tomato	10			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
VO 0051	Peppers (subgroup)	2			CXL	09	42		2010	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111	Poultry, edible offal of			CXL	2019	52		2021	
VD	0541	Soya bean (dry)			CXL	2016	49		2017	
FB	0275	Strawberry			CXL	09	42		2010	
FT	0305	Table olives			CXL	09	42		2010	
DT	1116	Tea, green			CXL	12	45		2013	
VO	0448	Tomato			CXL	08	41		2009	
TN	0085	Tree nuts (group)			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-acetyl-glufosinate, 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 sub-tropical fruits - edible peel	0.1		CXL	12	45		2013	
FI	0030	Assorted tropical and sub-tropical 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 fodder	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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0272	Raspberries, red, black			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	2014	47		2015	
FS	0012	Stone fruits (group)			CXL	12	45		2013	
FB	0275	Strawberry			CXL	12	45		2013	
VR	0596	Sugar beet			CXL	12	45		2013	
DM	0596	Sugar beet molasses			CXL	12	45		2013	
TN	0085	Tree nuts (group)			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FC 0001	Citrus fruits (group)	0.5			CXL	09	42		2010	
FT 0295	Date	2			CXL	09	42		2010	
MO 0105	Edible offal (mammalian)	0.05			CXL	09	42		2010	
VO 0440	Eggplant	0.1			CXL	09	42		2010	
PE 0112	Eggs	0.05			CXL	09	42		2010	
VC 0045	Fruiting vegetables, cucurbits (group)	0.05		Except watermelon.	CXL	09	42		2010	
AB 0269	Grape pomace, dried	15			CXL	09	42		2010	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	1			CXL	09	42		2010	
FB 0269	Grapes	1			CXL	09	42		2010	
DH 1100	Hops, dry	3			CXL	11	44		2012	
MF 0100	Mammalian fats (except milk fats)	0.05			CXL	09	42		2010	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(fat)		CXL	09	42		2010	
FM 0183	Milk fats	0.05			CXL	09	42		2010	
ML 0106	Milks	0.05			CXL	09	42		2010	
FP 0009	Pome fruits (group)	0.4			CXL	09	42		2010	
PM 0110	Poultry meat	0.05	(*) (fat)		CXL	09	42		2010	
PO 0111	Poultry, edible offal of	0.05			CXL	09	42		2010	
DF 0014	Prunes	1			CXL	09	42		2010	
FS 0012	Stone fruits (group)	0.3			CXL	09	42		2010	
FB 0275	Strawberry	6			CXL	11	45	44	2013	
DT 1114	Tea, green, black (black, fermented and dried)	15			CXL	11	44		2012	
VO 0448	Tomato	0.1			CXL	09	42		2010	
TN 0085	Tree nuts (group)	0.05	(*)		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	Beans (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	
HS	0444	Peppers chili, dried			CXL	2015	48		2016	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0353	Pineapple	0.002	(*)	CXL	2018	51		2019	
FS	0014	Plums (including fresh prunes) (subgroup)	0.005		CXL	2015	48		2016	
FP	0009	Pome fruits (group)	0.01		CXL	2015	48		2016	
VR	0589	Potato	0.005	(*)	CXL	2015	48		2016	
AS	0649	Rice, hay and/or straw	0.001		CXL	2015	48		2016	
CM	0649	Rice, husked	0.002		CXL	2015	48		2016	
VA	0388	Shallot	0.005		CXL	2015	48		2016	
VD	0541	Soya bean (dry)	0.002	(*)	CXL	2018	51		2019	
FB	0275	Strawberry	0.15		CXL	2015	48		2016	
VP	2062	Succulent beans without pods (subgroup)	0.002	(*)	CXL	2018	51		2019	
GC	2090	Sweet corns (subgroup)	0.002		CXL	2018	51		2019	
VR	0508	Sweet potato	0.005	(*)	CXL	2015	48		2016	
VO	0448	Tomato	0.05		CXL	2015	48		2016	
TN	0085	Tree nuts (group)	0.005	(*)	CXL	2015	48		2016	
VR	0600	Yams	0.005	(*)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0326	Avocado	0.5			3	2022	54			
FI 0327	Banana	0.1			CXL	2010	43		2011	
FB 0264	Blackberries	1			CXL	2010	43		2011	
FB 0020	Blueberries	3			CXL	2015	48		2016	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.4			CXL	2010	43		2011	
FC 0001	Citrus fruits (group)	0.05			CXL	2010	43		2011	
SO 0691	Cotton seed	0.5			CXL	2010	43		2011	
FB 0266	Dewberries (including boysenberry and loganberry)	1			CXL	2010	43		2011	
MO 0105	Edible offal (mammalian)	0.2			CXL	2010	43		2011	
VO 0440	Eggplant	0.3			CXL	2010	43		2011	
VO 2046	Eggplants (subgroup)	0.4			3	2022	54			
FB 0269	Grapes	0.3			CXL	2015	48		2016	
DH 1100	Hops, dry	20			CXL	2010	43		2011	
VL 0482	Lettuce, head	4			4	2015	48			CCPR retained 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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.8		3	2022	54			On the basis of information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of bifenthrin for the consumption of Peaches, Subgroup of and Pome fruit, Group of (except Japanese persimmon) may present a public health concern.
SO	0697	Peanut	0.05	(*)	3	2022				
VP	0063	Peas (pods and succulent=immature seeds)	0.9		CXL	2015	48		2016	
VP	0064	Peas, shelled (succulent seeds)	0.05	(*)	CXL	2015	48		2016	
VO	0051	Peppers (subgroup)	0.5		CXL	2010	43		2011	
VO	0051	Peppers (subgroup)	0.4	(except okra, martynia and roselle)	3	2022	54			
HS	0444	Peppers chili, dried	5		CXL	2010	43		2011	
HS	0444	Peppers chili, dried	4		3	2022	54			
FP	0009	Pome fruits (group)	0.7		3	2022	54			On the basis of information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of bifenthrin for the consumption of Peaches, Subgroup of and Pome fruit, Group of (except Japanese persimmon) may present a public health concern.
FI	0355	Pomegranate	0.5		3	2022	54			
VD	0070	Pulses (group)	0.3		CXL	2010	43		2011	
VL	0494	Radish leaves (including radish tops)	4		CXL	2010	43		2011	
SO	0495	Rape seed	0.05		CXL	2010	43		2011	
OR	0495	Rape seed oil, edible	0.1		CXL	2010	43		2011	
FB	0272	Raspberries, red, black	1		CXL	2010	43		2011	
VR	0075	Root and tuber vegetables (group)	0.05		CXL	2010	43		2011	
HS	0191	Spices, fruits and berries	0.03		CXL	2010	43		2011	
HS	0193	Spices, roots and rhizomes	0.05		CXL	2010	43		2011	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	1	(dw)	CXL	2019	52		2021	

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)	30		CXL	2010	43		2011	
VO	0448	Tomato	0.3		CXL	2010	43		2011	
TN	0085	Tree nuts (group)	0.05		CXL	2010	43		2011	
GC	0654	Wheat	0.5	Po	CXL	2010	43		2011	
CM	0654	Wheat bran, unprocessed	2	PoP	CXL	2010	43		2011	
CF	1210	Wheat germ	1	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	Beans (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	
VO 0051	Peppers (subgroup)	9			CXL	12	45		2013	
HS 0444	Peppers chili, dried	90			CXL	12	45		2013	
FP 0009	Pome fruits (group)	0.09	(*)		CXL	12	45		2013	
VR 0589	Potato	3			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	0.02			CXL	12	45		2013	
SO 0495	Rape seed	7			CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0649	Rice	0.09	(*)	CXL	12	45		2013	
AS	0649	Rice, hay and/or straw	0.09		CXL	12	45		2013	
VD	0541	Soya bean (dry)	80		CXL	12	45		2013	
FS	0012	Stone fruits (group)	0.09	(*)	CXL	12	45		2013	
FB	0275	Strawberry	3		CXL	12	45		2013	
VR	0596	Sugar beet	0.2		CXL	12	45		2013	
SO	0702	Sunflower seed	6		CXL	12	45		2013	
VR	0497	Swede	0.2		CXL	12	45		2013	
VO	0448	Tomato	1.5		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	
VO	0051	Peppers (subgroup)	3		CXL	2014	47		2015	
HS	0444	Peppers chili, dried	20		CXL	2014	47		2015	
FS	0014	Plums (including fresh prunes) (subgroup)	2		CXL	2014	47		2015	
FP	0009	Pome fruits (group)	0.6		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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0075	Root and tuber vegetables (group)	0.06		CXL	2014	47		2015	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	0.3		CXL	2014	47		2015	
FB	0275	Strawberry	0.8		CXL	2014	47		2015	
VO	0448	Tomato	0.3		CXL	2014	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	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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	11	44		2012	
VD	0071	Beans (dry)			CXL	11	44		2012	
MO	0105	Edible offal (mammalian)			CXL	11	44		2012	
PE	0112	Eggs		(*)	CXL	11	44		2012	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	11	44		2012	
FB	0269	Grapes			CXL	11	45	44	2013	
GC	0645	Maize		(*)	CXL	11	44		2012	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	11	44		2012	
ML	0106	Milks			CXL	11	44		2012	
FS	0245	Nectarine			CXL	11	44		2012	
FS	0247	Peach			CXL	11	44		2012	
FP	0230	Pear			CXL	11	44		2012	
PM	0110	Poultry meat		(*)	CXL	11	44		2012	
PO	0111	Poultry, edible offal of		(*)	CXL	11	44		2012	
SO	0495	Rape seed		(*)	CXL	11	44		2012	
GC	0649	Rice		(*)	CXL	11	44		2012	
AS	0649	Rice, hay and/or straw			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	
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
AL	0061	Bean fodder	10		CXL	99	35	33, 34	2003	Recommended for withdrawal
VD	0071	Beans (dry)	2		CXL	99	35	28, 31-34	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
VA	0385	Onion, bulb	0.5		CXL	97	35	31-34	2003	Recommended for withdrawal

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697 Peanut	5			CXL	97	35	31-34	2003	Recommended for withdrawal
VR	0589 Potato	0.5			CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
PM	0110 Poultry meat	0.2	(*)		CXL	99	35	33,34	2003	Recommended for withdrawal
PO	0111 Poultry, edible offal of	0.2	(*)		CXL	99	35	33	2003	Recommended for withdrawal
SO	0495 Rape seed	0.5			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OC	0495 Rape seed oil, crude	0.5	(*)		CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
OR	0495 Rape seed oil, edible	0.5	(*)		CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
VD	0541 Soya bean (dry)	10			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OC	0541 Soya bean oil, crude	1			CXL	94	35	28,31-34	2003	Recommended for withdrawal
OR	0541 Soya bean oil, refined	0.5	(*)		CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
VR	0596 Sugar beet	0.1			CXL	94,97	35	28,31-34	2003	Recommended for withdrawal
SO	0702 Sunflower seed	0.5			CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
OC	0702 Sunflower seed oil, crude	0.1	(*)		CXL	99	35	28,31,33,34	2003	Recommended for withdrawal
VO	0448 Tomato	1			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 childbearing 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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	Beans (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	
VL 0482	Lettuce, head	5			CXL	08	43	44	2012	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.7		Po	CXL	2019	52		2021	
FI 0345	Mango	0.05			CXL	11	44		2012	

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)	0.05	(*)		CXL	11	44		2012
VC	0046	Melons, except watermelon	0.15			CXL	11	44		2012
ML	0106	Milks	0.01	(*)		CXL	11	44		2012
FS	0245	Nectarine	2			CXL	11	44		2012
GC	0647	Oats	2			CXL	11	44		2012
VA	0385	Onion, bulb	0.15			CXL	2015	48		2016
OR	0004	Orange oil, edible	10			CXL	2019	52		2021
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4	Po		CXL	2019	52		2021
FI	0350	Papaya	2			CXL	11	44		2012
FI	0351	Passion fruit	0.1			CXL	11	44		2012
FS	0247	Peach	2			CXL	11	44		2012
SO	0697	Peanut	0.15			CXL	11	44		2012
AL	0697	Peanut fodder	40			CXL	11	44		2012
FP	0230	Pear	1			CXL	11	44		2012
HS	0444	Peppers chili, dried	10			CXL	11	44		2012
VO	0445	Peppers, sweet (including pimento or pimiento)	1			CXL	11	44		2012
FS	0014	Plums (including fresh prunes) (subgroup)	1		except prunes	CXL	11	44		2012
PM	0110	Poultry meat	0.05	(*)		CXL	11	44		2012
PO	0111	Poultry, edible offal of	0.05	(*)		CXL	11	44		2012
DF	0014	Prunes	3			CXL	11	44		2012
SO	0495	Rape seed	0.3			CXL	11	44		2012
GC	0649	Rice	1.5			CXL	11	44		2012
GC	0650	Rye	0.15			CXL	11	44		2012
AS	0650	Rye straw and fodder, dry	40			CXL	11	44		2012
VA	0388	Shallot	0.15			CXL	2015	48		2016
VD	0541	Soya bean (dry)	0.15			CXL	11	44		2012
VA	0389	Spring onion	2			CXL	2015	48		2016
VC	0431	Squash, summer	0.2			CXL	11	44		2012
SO	0702	Sunflower seed	0.1			CXL	2015	48		2016
VO	0447	Sweet corn (corn-on-the-cob)	0.6			CXL	11	44		2012
FT	0305	Table olives	0.05	(*)		CXL	11	44		2012
VO	0448	Tomato	0.7			CXL	11	44		2012
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)methyleneamino-oxy-methyl]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)methyleneamino-oxy-methyl]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)methyleneamino-oxy-methyl]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	
VC 0424	Cucumber	0.3			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)	0.8			CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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			CXL	2021	53		2022	
FC	0002	Lemons and limes (including citron) (subgroup)	(dw)		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).
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	CXL	2017	50		2018	
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		(dw)	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0327	Banana	0.02		(*)	CXL	09	42		2010	
VD 0071	Beans (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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
VO 0051	Peppers (subgroup)	0.6			CXL	09	45	43,44	2013	
HS 0444	Peppers chili, dried	2			CXL	09	45	43,44	2013	
FS 0014	Plums (including fresh prunes) (subgroup)	0.3			CXL	09	45	43,44	2013	
FP 0009	Pome fruits (group)	0.5			CXL	09	45	43,44	2013	
PM 0110	Poultry meat	0.01	(*)		CXL	09	42		2010	
PO 0111	Poultry, edible offal of	0.01	(*)		CXL	09	42		2010	
SO 0495	Rape seed	0.05	(*)		CXL	97	32	31	2001	
GC 0650	Rye	0.1			CXL	97	31		1999	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0431	Squash, summer	0.05		CXL	97	31		1999	
SO	0702	Sunflower seed	0.05	(*)	CXL	97	31		1999	
AS	0447	Sweet corn fodder	1		CXL	09	45	43	2013	
DT	1114	Tea, green, black (black, fermented and dried)	30		CXL	2021	53		2022	
TN	0085	Tree nuts (group)	0.01	(*)	CXL	09	42		2010	
GC	0654	Wheat	0.1		CXL	97	31		1999	
AS	0654	Wheat, hay and/or straw	3		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 Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
VO 0445	Peppers, sweet (including pimento or pimienta)	0.3			CXL	2018	51		2019	
FP 0009	Pome fruits (group)	0.15		(except Japanese persimmon)	CXL	2019	52		2021	
PF 0111	Poultry fats	0.02		(*)	CXL	2018	51		2019	
PM 0110	Poultry meat	0.02		(*)	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	0.02	(*)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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).
FI	0327	Banana	0.004 (*)		4	2021	53			
GC	0640	Barley	0.002 (*)		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
AS	0640	Barley, hay and/or straw	0.07		4	2021	53			
GC	2087	Barley, similar grains, and pseudocereals with husks (subgroup)	0.004 (*)		4	2021	53			
HH	0722	Basil, leaves	1.5		CXL	2016	49		2017	Recommended for withdrawal by JMPR (2021)
HH	0722	Basil, leaves	0.8		4	2021	53			
VP	2060	Beans with pods (subgroup)	0.01		4	2021	53			
VB	0041	Cabbages, head	0.02		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
MO	1280	Cattle kidney	0.02		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
MO	1281	Cattle liver	0.1		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
MM	0812	Cattle meat	0.5 (fat)		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
ML	0812	Cattle milk	0.02		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
SO	0691	Cotton seed	0.01		4	2021	53			
VD	2065	Dry beans (subgroup)	0.01	(except soya beans)	4	2021	53			
MO	0105	Edible offal (mammalian)	0.1		4	2021	53			
PE	0112	Eggs	0.02		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
PE	0112	Eggs	0.04		4	2021	53			

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)			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
VL	0053	Leafy vegetables (group)		(residues resulting from rotational cropping)	4	2021	53			
GC	0645	Maize			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
GC	2091	Maize cereals (subgroup)			4	2021	53			
AS	0645	Maize fodder (dry)	dry wt		CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
MF	0100	Mammalian fats (except milk fats)			4	2021	53			
MM	0095	Meat (from mammals other than marine mammals)			4	2021	53			
FM	0183	Milk fats			4	2021	53			
ML	0106	Milks			4	2021	53			
AS	3559	Oat, hay and/or straw	(dw)		4	2021	53			
GC	0647	Oats	(*)		CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
VA	0385	Onion, bulb			4	2021	53			
VR	0589	Potato			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
VR	0589	Potato			4	2021	53			
PF	0111	Poultry fats			4	2021	53			
PM	0110	Poultry meat	(*)		CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
PM	0110	Poultry meat			4	2021	53			
PO	0111	Poultry, edible offal of			CXL	01	35	34	2003	Recommended for withdrawal by JMPR (2021)
PO	0111	Poultry, edible offal of			4	2021	53			
GC	0649	Rice			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
CM	1206	Rice bran, unprocessed			4	2021	53			
GC	2088	Rice cereals (subgroup)			4	2021	53			
AS	0649	Rice, hay and/or straw	dry wt		CXL	01	35	34	2003	Withdrawal recommended by JMPR (2021)
AS	0649	Rice, hay and/or straw	(dw)		4	2021	53			
AS	3570	Rice, hulls			4	2021	53			
CM	0649	Rice, husked			4	2021	53			
CM	1205	Rice, polished			4	2021	53			

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			
				(except potato and sugar beet) (residues resulting from rotational cropping)						
GC	0650	Rye			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
AS	3560	Rye, hay and/or straw			4	2021	53			
VD	0541	Soya bean (dry)			4	2021	53			
OC	0541	Soya bean oil, crude			4	2021	53			
AL	3538	Soya bean, hulls			4	2021	53			
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)			4	2021	53			
				(except of barley, oats, rice, rye, triticale and wheat) (residues resulting from rotational cropping)						
VR	0596	Sugar beet			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
VR	0596	Sugar beet			4	2021	53			
GS	0659	Sugar cane			4	2021	53			
SO	0702	Sunflower seed			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
SO	2091	Sunflower seeds (subgroup)			4	2021	53			
VO	2045	Tomatoes (subgroup)			4	2021	53			
GC	0653	Triticale			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
AS	0653	Triticale, hay and/or straw			4	2021	53			
GC	0654	Wheat			CXL	01	35	34	2003	Recommended withdrawal by JMPR (2021)
AS	0654	Wheat, hay and/or straw			4	2021	53			
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			4	2021	53			

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		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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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)	(fat)		CXL	04	37			2005
VA	0385	Onion, bulb			CXL	11	44			2012
FI	0351	Passion fruit			CXL	11	44			2012
VO	0051	Peppers (subgroup)			CXL	01	35	34		2003
HS	0444	Peppers chili, dried			CXL	04	38	37		2006
VR	0589	Potato			CXL	01	35	34		2003
PM	0110	Poultry meat	(fat)		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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0345	Mango			CXL	02	36	35	2004	
MM	0095	Meat (from mammals other than marine mammals)			CXL	08	41		2009	
VC	0046	Melons, except watermelon			CXL	02	36	35	2004	
ML	0106	Milks			CXL	08	41		2009	
AS	0647	Oat straw and fodder, dry			CXL	02	36	35	2004	
SO	0305	Olives for oil production			CXL	2015	48		2016	
VA	0385	Onion, bulb			CXL	02	36	35	2004	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2015	48		2016	
SO	0697	Peanut			CXL	08	41		2009	
AL	0697	Peanut fodder			CXL	08	41		2009	
FP	0230	Pear			CXL	02	36	35	2004	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	08	41		2009	
VP	0064	Peas, shelled (succulent seeds)			CXL	08	41		2009	
VO	0051	Peppers (subgroup)			CXL	02	36	35	2004	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2015	48		2016	
FI	0355	Pomegranate			CXL	08	41		2009	
PM	0110	Poultry meat			CXL	08	41		2009	
PO	0111	Poultry, edible offal of			CXL	08	41		2009	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
FB 0269	Grapes	3			CXL	2003	37	36	2005	
FT 0336	Guava	1.5			CXL	2017	50		2018	
HH 0092	Herbs	40			CXL	2013	46		2014	
VL 0053	Leafy vegetables (group)	50		(except brassica leafy vegetables)	CXL	2013	46		2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0054	Leaves of Brassicaceae (subgroup)	15		CXL	2013	46			2014
MM	0095	Meat (from mammals other than marine mammals)	0.01 (*) (fat)		CXL	2003	37	36		2005
ML	0106	Milks	0.0004 (*) F	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 analyzed (JMPR 2003).	CXL	2003	37	36		2005
VA	0385	Onion, bulb	0.3		CXL	2003	37	36		2005
VR	0588	Parsnip	0.7		CXL	2013	46			2014
VP	2061	Peas with pods (subgroup)	2		CXL	2021	53			2022
HS	0444	Peppers chili, dried	9		CXL	2013	46			2014
FP	0009	Pome fruits (group)	2		CXL	2013	46			2014
FI	0355	Pomegranate	5	Po	CXL	2018	51			2019
VR	0589	Potato	0.01 (*)		CXL	2017	50			2018
PM	0110	Poultry meat	0.01 (*) (fat)		CXL	2003	37	36		2005
PO	0111	Poultry, edible offal of	0.01 (*)		CXL	2003	37	36		2005
DF	0014	Prunes	5		CXL	2003	37	36		2005
VR	0494	Radish	0.3		CXL	2013	46			2014
SO	0495	Rape seed	0.02		CXL	2015	48			2016
VD	0541	Soya bean (dry)	0.3		CXL	2019	52			2021
FS	0012	Stone fruits (group)	2		CXL	2003	37	36		2005
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	10		CXL	2003	37	36		2005
TN	0085	Tree nuts (group)	0.04	(except almond and pistachio)	CXL	2017	50			2018
GC	0654	Wheat	0.5		CXL	2003	37	36		2005
CM	0654	Wheat bran, unprocessed	2		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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.2			CXL	03	37	36	2005	
AS 0640	Barley, hay and/or straw	5			CXL	03	37	36	2005	
VA 2031	Bulb onions (subgroup)	0.4			3	2022	54			
FB 2005	Cane berries (subgroup)	10			3	2022	54			
VC 0424	Cucumber	0.2			CXL	03	37	36	2005	Recommended withdrawal by JMPR (2022)
MO 0105	Edible offal (mammalian)	0.5			CXL	03	37	36	2005	
PE 0112	Eggs	0.01		(*)	CXL	03	37	36	2005	
VC 2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.6			3	2022	54			
AB 0269	Grape pomace, dried	7			CXL	03	37	36	2005	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	5			CXL	03	37	36	2005	
FB 0269	Grapes	2			CXL	03	37	36	2005	
MU 1100	Hops, dried	50			3	2022	54			
MM 0095	Meat (from mammals other than marine mammals)	0.5		(fat)	CXL	03	37	36	2005	
ML 0106	Milks	0.03		F	CXL	03	37	36	2005	
VO 0444	Peppers chili	5			3	2022	54			
HS 0444	Peppers chili, dried	50			3	2022	54			
VO 0445	Peppers, sweet (including pimento or pimienta)	5			3	2022	54			
VR 0589	Potato	0.02		(*)	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	
VC 0431	Squash, summer	0.2			CXL	03	37	36	2005	Recommended for withdrawal by JMPR (2022)
VO 0448	Tomato	2			CXL	03	37	36	2005	
VO 0448	Tomato	2			3	2022	54			
GC 0654	Wheat	0.1			CXL	03	37	36	2005	
CM 0654	Wheat bran, unprocessed	0.2			CXL	03	37	36	2005	
AS 0654	Wheat, hay and/or straw	7			CXL	03	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	Beans (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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut			CXL	09	42		2010	
AL	0697	Peanut fodder			CXL	09	42		2010	
OR	0697	Peanut oil, edible			CXL	09	42		2010	
VD	0072	Peas (dry)			CXL	12	45		2013	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	12	45		2013	
VP	0064	Peas, shelled (succulent seeds)			CXL	09	42		2010	
VO	0051	Peppers (subgroup)			CXL	03	37	36	2005	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
FP	0009	Pome fruits (group)			CXL	03	37	36	2005	
PM	0110	Poultry meat		(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of		(*)	CXL	03	37	36	2005	
DF	0014	Prunes			CXL	03	37	36	2005	
VR	0494	Radish			CXL	09	42		2010	
VL	0494	Radish leaves (including radish tops)			CXL	09	42		2010	
FS	0012	Stone fruits (group)			CXL	03	37	36	2005	
FB	0275	Strawberry			CXL	09	42		2010	
VR	0596	Sugar beet			CXL	09	42		2010	
GS	0659	Sugar cane			CXL	2021	53		2022	
DM	0659	Sugar cane molasses			CXL	2021	53		2022	
VO	0447	Sweet corn (corn-on-the-cob)		(*)	CXL	03	37	36	2005	
AS	0447	Sweet corn fodder			CXL	03	37	36	2005	
VR	0508	Sweet potato			CXL	09	42		2010	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2021	53		2022	
VO	0448	Tomato			CXL	03	37	36	2005	
TN	0085	Tree nuts (group)			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 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	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	Beans (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	
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	

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)	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	
VO	0051	Peppers (subgroup)	0.5		CXL	2006	39		2007	
FI	0353	Pineapple	0.3		CXL	2018	51		2019	
TN	0675	Pistachio nuts	1		CXL	2004	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)	0.8		CXL	2014	47		2015	(includes all commodities in this subgroup)
FP	0009	Pome fruits (group)	0.7		CXL	2018	51		2019	
PM	0110	Poultry meat	0.05	(*) (fat)	CXL	2004	38	37	2006	
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	2004	38	37	2006	
VL	0494	Radish leaves (including radish tops)	20		CXL	2004	38	37	2006	
FB	0272	Raspberries, red, black	3		CXL	2011	44		2012	
GC	0649	Rice	1.5		CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0649	Rice, hay and/or straw	5	(dw)	CXL	2018	51		2019	
CM	0649	Rice, husked	0.09		CXL	2018	51		2019	
CM	1205	Rice, polished	0.03		CXL	2018	51		2019	
VR	2070	Root vegetables (subgroup)	0.5	(except sugar beet)	CXL	2019	52		2021	
GC	0650	Rye	0.2		CXL	2011	44		2012	
GC	0651	Sorghum grain	0.5		CXL	2011	44		2012	
VD	0541	Soya bean (dry)	0.05		CXL	2006	39		2007	
GC	4673	Spelt	0.2		CXL	2006	39		2007	
VL	0502	Spinach	0.6		CXL	2019	52		2021	
VA	0389	Spring onion	1.5		CXL	2011	44		2012	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	30		CXL	2004	38	37	2006	
FB	0275	Strawberry	1.5		CXL	2011	44		2012	
VP	2063	Succulent peas without pods (subgroup)	0.08		CXL	2018	51		2019	
GS	0659	Sugar cane	0.08		CXL	2018	51		2019	
FT	0305	Table olives	0.01		CXL	2018	51		2019	
DT	1114	Tea, green, black (black, fermented and dried)	6		CXL	2018	51		2019	
VO	0448	Tomato	0.3		CXL	2004	38	37	2006	
TN	0085	Tree nuts (group)	0.02	(*)	except pistachio nuts	CXL	2011	44	2012	
GC	0653	Triticale	0.2		CXL	2011	44		2012	
VR	2071	Tuberous and corm vegetables (subgroup)	0.02	(*)	CXL	2018	51		2019	
GC	0654	Wheat	0.2		CXL	2004	38	37	2006	
VL	2832	Witloof chicory (sprouts)	0.09		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			3	2022	54			
OR	0660	Almond oil			3	2022	54			
FI	0326	Avocado			CXL	2018	51		2019	
FI	0327	Banana			3	2022	54			
VD	0071	Beans (dry)			CXL	2013	46		2014	Recommended for withdrawal by JMPR (2022)
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)		(green pods and immature seeds)	CXL	2013	46		2014	Recommended for withdrawal by JMPR (2022)
VP	2060	Beans with pods (subgroup)		(except soya Beans) (succulent seeds in pods)	3	2022	54			
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	
VD	0524	Chick-pea (dry)			CXL	2018	51		2019	Recommended for withdrawal by JMPR (2022)
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)	3	2022	54			
VD	2066	Dry peas			(subgroup)		0.3	3	2022	54
MO	0105	Edible offal (mammalian)			CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)			3	2022	54			
VO	0440	Eggplant			CXL	2004	38	37	2006	
PE	0112	Eggs			CXL	2018	51		2019	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2013	46		2014	
VR	0604	Ginseng			CXL	2013	46		2014	
FB	0269	Grapes			CXL	2004	38	37	2006	
VA	2032	Green onions (subgroup)			CXL	2018	51		2019	
FT	0336	Guava			CXL	2018	51		2019	
HH	0092	Herbs			CXL	2013	46		2014	
FI	0341	Kiwifruit	Po		CXL	2004	38	37	2006	
VL	0054	Leaves of Brassicaceae (subgroup)		(except radish leaves)	CXL	2018	51		2019	
VD	0533	Lentil (dry)			CXL	2018	51		2019	Recommended withdrawal by JMPR (2022)
VL	0482	Lettuce, head			CXL	2004	38	37	2006	
VL	0483	Lettuce, leaf			CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)			CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)			3	2022	54			
FI	0345	Mango			CXL	2012	45		2013	
FI	0345	Mango	(Po)		3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	(fat)		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)			3	2022	54			
ML	0106	Milks			CXL	2018	51		2019	
ML	0106	Milks			3	2022	54			
FI	0350	Papaya	(Po)		3	2022				
VD	0072	Peas (dry)			CXL	2004	38	37	2006	Recommended withdrawal by JMPR (2022)
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2004	38	37	2006	Recommended withdrawal by JMPR (2022)
VP	2061	Peas with pods (subgroup)			3	2022	54			
VP	0064	Peas, shelled (succulent seeds)			CXL	2004	38	37	2006	
VO	0051	Peppers (subgroup)			CXL	2013	46		2014	
HS	0444	Peppers chili, dried			CXL	2013	46		2014	
FI	0353	Pineapple	Po		CXL	2018	51		2019	
TN	0675	Pistachio nuts			CXL	2004	38	37	2006	
FP	0009	Pome fruits (group)	Po		CXL	2006	39		2007	
FI	0355	Pomegranate	Po		CXL	2018	51		2019	
VR	0589	Potato	Po		CXL	2013	46		2014	
PF	0111	Poultry fats	(*)		CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PM	0110	Poultry meat	0.01	(*)	CXL	2018	51		2019	
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	
VP	4453	Snap bean (young pods)	0.6		CXL	2013	46		2014	Recommended withdrawal by JMPR (2022)
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)	3	2022	54			
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		3	2022	54			(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 (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	Beans (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).
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0440	Eggplant			CXL	12	45		2013	
PE	0112	Eggs		(*)	CXL	2021	53		2022	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)			CXL	04	38	37	2006	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	04	38	37	2006	
VR	0604	Ginseng		(*)	CXL	2017	50		2018	
FB	0268	Gooseberry			CXL	2021	53		2022	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	04	38	37	2006	
FB	0269	Grapes			CXL	04	38	37	2006	
DH	1100	Hops, dry			CXL	04	38	37	2006	
VA	0384	Leek			CXL	04	38	37	2006	
VD	0533	Lentil (dry)			CXL	2015	48		2016	
VL	0482	Lettuce, head			CXL	12	45		2013	
VL	0483	Lettuce, leaf			CXL	2021	53		2022	
SO	0693	Linseed			CXL	2021	53		2022	
GC	0645	Maize			CXL	04	38	37	2006	
AS	0645	Maize fodder (dry)			CXL	04	38	37	2006	
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	
ML	0106	Milks		(*)	CXL	2021	53		2022	
OR	0305	Olive oil, refined			CXL	12	45		2013	
OC	0305	Olive oil, virgin			CXL	12	45		2013	
FI	0350	Papaya			CXL	12	45		2013	
SO	0697	Peanut		(*)	CXL	04	38	37	2006	
AL	0697	Peanut fodder			CXL	04	38	37	2006	
VD	0072	Peas (dry)			CXL	2015	48		2016	
VP	2061	Peas with pods (subgroup)			CXL	2021	53		2022	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	04	38	37	2006	
FP	0009	Pome fruits (group)			CXL	04	38	37	2006	
VR	0589	Potato		(*)	CXL	04	38	37	2006	
PF	0111	Poultry fats		(*)	CXL	2021	53		2022	
PM	0110	Poultry meat		(*) (fat)	CXL	2021	53		2022	
PO	0111	Poultry, edible offal of		(*)	CXL	2021	53		2022	
VR	0494	Radish			CXL	12	45		2013	
VL	0494	Radish leaves (including radish tops)			CXL	12	45		2013	
GC	0649	Rice			CXL	04	38	37	2006	
CM	1206	Rice bran, unprocessed			CXL	04	38	37	2006	
AS	0649	Rice, hay and/or straw			CXL	04	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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									
AL	0061	Bean fodder	0.01	(*)	CXL	05	38		2006	
VD	0071	Beans (dry)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
VO 0051	Peppers (subgroup)	2			CXL	05	38		2006	
FS 0014	Plums (including fresh prunes) (subgroup)	1			CXL	05	38		2006	
FB 0272	Raspberries, red, black	15			CXL	05	38		2006	
VC 0431	Squash, summer	1			CXL	05	38		2006	
FB 0275	Strawberry	10			CXL	05	38		2006	
VO 0448	Tomato	2			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			CXL	05	38		2006	
AM	0660	Almond hulls	(dw)		3	2022	54			
FP	0226	Apple			CXL	05	38		2006	
VP	2060	Beans with pods (subgroup)		(except soya bean)	3	2022	54			
VR	0574	Beetroot			3	2022	54			
VB	0400	Broccoli			CXL	05	38		2006	
FB	2006	Bush berries (subgroup)			3	2022	54			
VB	0041	Cabbages, head			CXL	05,07	40	38,39	2008	
VB	0404	Cauliflower			CXL	05	38		2006	
VD	0524	Chick-pea (dry)			CXL	05	38		2006	
AM	0691	Cotton fodder, dry			CXL	05	38		2006	
SO	0691	Cotton seed			CXL	05	38		2006	
VD	0527	Cowpea (dry)			CXL	09	42		2010	
FB	0265	Cranberry			CXL	09	42		2010	
VD	2065	Dry beans (subgroup)		(except cowpea, mung bean and soya bean)	3	2022	54			
MO	0105	Edible offal (mammalian)			CXL	09	42		2010	
MO	0105	Edible offal (mammalian)			3	2022	54			
VO	0440	Eggplant			CXL	05	38		2006	
PE	0112	Eggs			CXL	09	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	09	42		2010	
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)			CXL	05	38		2006	
FB	0269	Grapes			CXL	05	38		2006	
VL	0482	Lettuce, head			CXL	05	38		2006	
VL	0483	Lettuce, leaf			CXL	12	45		2013	
GC	2091	Maize cereals (subgroup)			3	2022	54			
AS	0645	Maize fodder (dry)			CXL	05	38		2006	Withdrawal recommended by JMPR (2022)
AS	3558	Maize, stover	(dw)		3	2022	54			
MF	0100	Mammalian fats (except milk fats)			3	2022	54			

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)	2	(fat)	CXL	09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)	3	2022	54			
FM	0183	Milk fats	2		CXL	09	42		2010	
FM	0183	Milk fats	6		3	2022	54			
ML	0106	Milks	0.1		CXL	09	42		2010	
ML	0106	Milks	0.2		3	2022	54			
HH	0738	Mints	15		CXL	09	42		2010	
VD	0536	Mung bean (dry)	0.2		CXL	05	38		2006	
SO	0697	Peanut	0.02	(*)	CXL	05	38		2006	
AL	0697	Peanut fodder	50		CXL	05	38		2006	
FP	0230	Pear	0.2		CXL	05	38		2006	
VO	0051	Peppers (subgroup)	0.3		CXL	05	38		2006	
VR	0589	Potato	0.02		CXL	05	38		2006	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	09	42		2010	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	09	42		2010	
DF	0014	Prunes	3		CXL	09	42		2010	
VD	0541	Soya bean (dry)	0.5		CXL	05	38		2006	
FS	0012	Stone fruits (group)	1		CXL	09	42		2010	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	05	38		2006	
DT	1114	Tea, green, black (black, fermented and dried)	5		CXL	2013	46		2014	
VO	0448	Tomato	0.5		CXL	05	38		2006	
TN	0085	Tree nuts (group)	0.07		3	2022	54			

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VD 0071	Beans (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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	10			CXL	06	39		2007	
VD 0071	Beans (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 pimiento)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.1			CXL	07	40		2008	
MO 0105	Edible offal (mammalian)	0.05		Except kidney	CXL	07	40		2008	
PE 0112	Eggs	0.01 (*)			CXL	07	40		2008	
AS 0164	Fodder (dry) of cereal grains	3			CXL	07	40		2008	
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	70			CXL	07	40		2008	
MO 0098	Kidney of cattle, goats, pigs and sheep	1			CXL	07	40		2008	
MM 0095	Meat (from mammals other than marine mammals)	0.1			CXL	07	40		2008	
ML 0106	Milks	0.02			CXL	07	40		2008	
GC 0647	Oats	0.1			CXL	07	40		2008	
PM 0110	Poultry meat	0.01 (*)			CXL	07	40		2008	
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	07	40		2008	
AS 0163	Straw of cereal grains	0.3			CXL	07	40		2008	
GC 0653	Triticale	0.1			CXL	07	40		2008	
GC 0654	Wheat	0.1			CXL	07	40		2008	
CM 0654	Wheat bran, unprocessed	0.3			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	15			CXL	09	42		2010	
FI 0327	Banana	0.6			CXL	08	42	41	2010	
GC 0640	Barley	0.5			CXL	09	42		2010	
AS 0640	Barley, hay and/or straw	50	(dw)		CXL	09	42		2010	
FB 0018	Berries and other small fruits	10		Except strawberry and grapes.	CXL	09	42		2010	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	5			CXL	09	42		2010	
VA 0035	Bulb vegetables (group)	5			CXL	09	42		2010	
GC 0080	Cereal grains (group)	0.1		Except barley, oats, rye and wheat.	CXL	09	42		2010	
FS 0013	Cherries (subgroup)	5			CXL	2019	52		2021	
FC 0001	Citrus fruits (group)	2			CXL	10	43		2011	
OR 0001	Citrus oil, edible	50			CXL	10	43		2011	
AB 0001	Citrus pulp, dried	6			CXL	10	43		2011	
SB 0716	Coffee beans	0.05	(*)		CXL	09	42		2010	
MO 0105	Edible offal (mammalian)	0.2			CXL	09	42		2010	
PE 0112	Eggs	0.02			CXL	09	42		2010	
VC 0045	Fruiting vegetables, cucurbits (group)	3			CXL	09	42		2010	
VO 0050	Fruiting vegetables, other than cucurbits (group)	3		Except fungi, mushroom and sweet corn.	CXL	09	42		2010	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	10			CXL	09	42		2010	
FB 0269	Grapes	5			CXL	09	42		2010	
DH 1100	Hops, dry	60			CXL	10	43		2011	
FI 0341	Kiwifruit	5			CXL	09	42		2010	
VL 0053	Leafy vegetables (group)	40			CXL	10	43		2011	
VP 0060	Legume vegetables (group)	3			CXL	09	42		2010	
FI 0345	Mango	2			CXL	2019	52		2021	
MM 0095	Meat (from mammals other than marine mammals)	0.7	(fat)		CXL	09	42		2010	
FM 0183	Milk fats	2			CXL	09	42		2010	
ML 0106	Milks	0.1			CXL	09	42		2010	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0647	Oat straw and fodder, dry	50	(dw)	CXL	09	42		2010	
GC	0647	Oats	0.5		CXL	09	42		2010	
SO	0088	Oilseeds and oilfruits (group)	1		CXL	09	42		2010	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	4		CXL	2019	52		2021	
HS	0444	Peppers chili, dried	10		CXL	09	42		2010	
TN	0675	Pistachio nuts	1		CXL	09	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	
PF	0111	Poultry fats	0.02		CXL	09	42		2010	
PM	0110	Poultry meat	0.02		CXL	09	42		2010	
PO	0111	Poultry, edible offal of	0.02		CXL	09	42		2010	
DF	0014	Prunes	5		CXL	2019	52		2021	
VD	0070	Pulses (group)	3		CXL	09	42		2010	
VR	0075	Root and tuber vegetables (group)	2		CXL	09	42		2010	
GC	0650	Rye	0.5		CXL	09	42		2010	
AS	0650	Rye straw and fodder, dry	50	(dw)	CXL	09	42		2010	
VS	0078	Stalk and stem vegetables	30		CXL	10	43		2011	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5	(dw)	CXL	09	42		2010	Except straw and fodder of barley, oats, rye and wheat.
FB	0275	Strawberry	3		CXL	09	42		2010	
DT	1114	Tea, green, black (black, fermented and dried)	40		CXL	2019	52		2021	
TN	0085	Tree nuts (group)	0.05	(*)	CXL	09	42		2010	Except pistachio.
GC	0654	Wheat	0.5		CXL	09	42		2010	
AS	0654	Wheat, hay and/or straw	50	(dw)	CXL	09	42		2010	

222 Quinoxifen

Main Uses: Fungicide

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

ARfD: Unnecessary (2006)

Residue: For compliance with MRLs and estimation of dietary intake: Quinoxifen. The residue is fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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 animals commodities: Thiacloprid.

The residue is not fat soluble.

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

Residue is fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0620	Artichoke, globe	1.5			CXL	2017	50		2018	
VS 0621	Asparagus	0.03			CXL	07	40		2008	
FI 0326	Avocado	0.6			CXL	2015	48		2016	
FI 0327	Banana	0.1			CXL	07	40		2008	
VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.7			CXL	10	43		2011	
FB 0020	Blueberries	4			CXL	2017	50		2018	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2			CXL	2013	46		2014	
VR 0577	Carrot	0.2			CXL	07	40		2008	
VR 0578	Celeriac	0.5			CXL	07	40		2008	
VS 0624	Celery	3			CXL	07	40		2008	
FS 0013	Cherries (subgroup)	0.2			CXL	07	40		2008	
FC 0001	Citrus fruits (group)	0.6			CXL	2013	46		2014	
SB 0716	Coffee beans	0.01	(*)		CXL	2017	50		2018	
SO 0691	Cotton seed	0.4			CXL	2021	53		2022	
FB 0265	Cranberry	0.6			CXL	2021	53		2022	
VC 0424	Cucumber	0.2			CXL	2013	46		2014	
VD 2065	Dry beans (subgroup)	0.05		(except soya bean)	CXL	2017	50		2018	
VD 2066	Dry peas (subgroup)	0.15			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	1.5			CXL	2013	46		2014	
PE 0112	Eggs	0.03			CXL	2013	46		2014	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.6		(except chili peppers)	CXL	2017	50		2018	Replaces previous recommendation for Fruiting vegetables other than Cucurbits (except sweetcorn and mushrooms). Recommended for withdrawal by JMPR (2022).
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.6		(except goji berry and chili pepper)	3	2022	54			
VA 0381	Garlic	0.02	(*)		CXL	07	40		2008	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0425 Gherkin	0.2			CXL	2013	46		2014	
DV	0784 Ginger rhizome, dried	1.5			3	2022	54			
HS	0784 Ginger, rhizome	0.2			3	2022	54			
VR	0604 Ginseng	0.08			CXL	2013	46		2014	
DV	0604 Ginseng, dried including red ginseng	0.8			CXL	2017	50		2018	
DM	0604 Ginseng, extracts	0.6			CXL	2013	46		2014	
VO	2704 Goji berry	5			3	2022	54			
DV	2704 Goji berry, dried	15			3	2022	54			
DF	0269 Grape, dried (= Currants, Raisins and Sultanas)	6			CXL	2013	46		2014	
FB	0269 Grapes	3			CXL	2013	46		2014	
FT	0336 Guava	0.15			CXL	2021	53		2022	
VA	0384 Leek	0.3			CXL	07	40		2008	
VL	0482 Lettuce, head	2			CXL	07	40		2008	
VL	0483 Lettuce, leaf	2			CXL	07	40		2008	
FI	0345 Mango	0.07			CXL	07	40		2008	
MM	0095 Meat (from mammals other than marine mammals)	0.2	(fat)		CXL	2013	46		2014	
VC	0046 Melons, except watermelon	0.7			CXL	2013	46		2014	
ML	0106 Milks	0.02			CXL	2013	46		2014	
FS	0245 Nectarine	0.5			CXL	07	40		2008	
VA	0385 Onion, bulb	0.1			CXL	2013	46		2014	
FI	0350 Papaya	0.2			CXL	07	40		2008	
FI	0351 Passion fruit	0.05			CXL	10	43		2011	
FS	0247 Peach	0.5			CXL	07	40		2008	
SO	0697 Peanut	0.01	(*)		CXL	2015	48		2016	
VP	0063 Peas (pods and succulent=immature seeds)	0.7			CXL	10	43		2011	
VR	2950 Pencil yam	0.02			3	2022	54			
DV	2950 Pencil yam, dried	0.07			3	2022	54			
VO	0444 Peppers chili	0.9			CXL	2017	50		2018	
HS	0444 Peppers chili, dried	5			CXL	2017	50		2018	
FI	2540 Pitaya	0.15			CXL	2017	50		2018	
FS	0014 Plums (including fresh prunes) (subgroup)	0.2			CXL	07	40		2008	
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	07	40		2008	
PO	0111 Poultry, edible offal of	0.01	(*)		CXL	07	40		2008	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0389	Spring onion	9		CXL	2013	46		2014	
VC	0431	Squash, summer	0.2		CXL	2013	46		2014	
FB	0275	Strawberry	2		CXL	2017	50		2018	
VR	0596	Sugar beet	0.2		CXL	07	40		2008	
SO	0702	Sunflower seed	0.02		CXL	07	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	
FT	0305	Table olives	2		CXL	07	40		2008	
DT	1114	Tea, green, black (black, fermented and dried)	20		CXL	2021	53		2022	
DT	1114	Tea, green, black (black, fermented and dried)	20		3	2022	54			
TN	0085	Tree nuts (group)	0.03		CXL	10	43		2011	
VC	0432	Watermelon	0.02		CXL	2017	50		2018	
GC	0654	Wheat	0.02 (*)		CXL	07	40		2008	
AS	0654	Wheat, hay and/or straw	3		CXL	07	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 Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0275	Strawberry			CXL	2014	47		2015	
VL	0505	Taro leaves			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0389	Spring onion			CXL	07	40		2008	
AS	0447	Sweet corn fodder			CXL	07	40		2008	
VO	0448	Tomato			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	7			CXL	08	41		2009	
VS 0620	Artichoke, globe	5			CXL	08	41		2009	
VS 0621	Asparagus	0.01 (*)			CXL	08	41		2009	
FI 0327	Banana	2			CXL	08	41		2009	
GC 0640	Barley	1.5			CXL	2013	46		2014	
FB 0018	Berries and other small fruits	5		Except cranberry, grapes and strawberry	CXL	08	41		2009	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	5			CXL	08	41		2009	
VA 0035	Bulb vegetables (group)	10			CXL	08	41		2009	
FT 0289	Carambola	0.1			CXL	12	45		2013	
VS 0624	Celery	5			CXL	08	41		2009	
FC 0001	Citrus fruits (group)	15			CXL	08	41		2009	
SB 0716	Coffee beans	0.03			CXL	2013	46		2014	
SO 0691	Cotton seed	0.7			CXL	08	41		2009	
FB 0265	Cranberry	0.5			CXL	08	41		2009	
DH 0170	Dried herbs	300		Except hops (dry)	CXL	08	41		2009	
MO 0105	Edible offal (mammalian)	0.07			CXL	08	41		2009	
PE 0112	Eggs	0.01 (*)			CXL	08	41		2009	
VC 0045	Fruiting vegetables, cucurbits (group)	1			CXL	08	41		2009	
VO 0050	Fruiting vegetables, other than cucurbits (group)	3		Except mushrooms and sweet corn	CXL	08	41		2009	
VR 0604	Ginseng	0.1			CXL	11	44		2012	
DV 0604	Ginseng, dried including red ginseng	0.3			CXL	11,12	45	44	2013	
DM 0604	Ginseng, extracts	0.5			CXL	11,12	45	44	2013	
FB 0269	Grapes	2			CXL	08	41		2009	
FT 0336	Guava	0.2			CXL	2019	52		2021	
HH 0092	Herbs	70			CXL	08	41		2009	
DH 1100	Hops, dry	30			CXL	08	41		2009	
VP 0060	Legume vegetables (group)	3			CXL	08	41		2009	
VL 0482	Lettuce, head	3			CXL	08	41		2009	
VL 0483	Lettuce, leaf	3			CXL	08	41		2009	
GC 0645	Maize	0.02			CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0645	Maize fodder (dry)		(dw)	CXL	08	41			
OR	0645	Maize oil, edible			CXL	08	41		2009	
FI	0345	Mango			CXL	08	41		2009	
FI	0345	Mango		(Po)	3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	08	41		2009	
FM	0183	Milk fats			CXL	08	41		2009	
ML	0106	Milks			CXL	08	41		2009	
GC	0647	Oats			CXL	2013	46		2014	
FI	0350	Papaya			CXL	08	41		2009	
FI	0350	Papaya		(Po)	3	2022	54			
AL	0072	Pea, hay and/or straw		(dw)	CXL	2013	46		2014	
SO	0697	Peanut			CXL	08	41		2009	
AL	0697	Peanut fodder			CXL	08	41		2009	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
TN	0675	Pistachio nuts			CXL	08	41		2009	
FI	2540	Pitaya			CXL	2017	50		2018	
FI	0354	Plantain			CXL	08	41		2009	
VR	0589	Potato		Po	CXL	2013	46		2014	
PM	0110	Poultry meat		(*)	CXL	08	41		2009	
PO	0111	Poultry, edible offal of		(*)	CXL	08	41		2009	
VD	0070	Pulses (group)			CXL	2013	46		2014	
				(except soya beans)						
SO	0495	Rape seed			CXL	2017	50		2018	
GC	0649	Rice			CXL	08	41		2009	
VR	0075	Root and tuber vegetables (group)			CXL	2013	46		2014	Recommended for withdrawal by JMPR (2022)
VR	0075	Root and tuber vegetables (group)		(except potato and sugar beet)	3	2022	54			
GC	0650	Rye			CXL	08	41		2009	
GC	0651	Sorghum grain			CXL	2013	46		2014	
AS	0651	Sorghum straw and fodder, dry		(dw)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)			CXL	08	41		2009	
AL	0541	Soya bean, hay and/or straw			CXL	08	41		2009	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)		(dw)	CXL	2013	46		2014	
				(except maize and sorghum)						
FB	0275	Strawberry			CXL	08	41		2009	
VR	0596	Sugar beet		(Po)	3	2022	54			
GS	0659	Sugar cane			CXL	2017	50		2018	
SO	0702	Sunflower seed			CXL	08	41		2009	
TN	0085	Tree nuts (group)			CXL	08	41		2009	
GC	0653	Triticale			CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0654	Wheat			CXL	08	41		2009	
VL	2832	Witloof chicory (sprouts)			CXL	08	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 1020	Alfalfa, hay and/or straw	50			CXL	10	43		2011	
VS 0620	Artichoke, globe	2			CXL	2013	46		2014	
FI 0326	Avocado	0.3			3	2022	54			
VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.8		(green pods and immature seeds)	CXL	2013	46		2014	
FB 0018	Berries and other small fruits	1			CXL	10	43		2011	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	2			CXL	10	43		2011	
VR 0577	Carrot	0.08			CXL	2013	46		2014	
VS 0624	Celery	7			CXL	08	41		2009	
GC 0080	Cereal grains (group)	0.02		(except rice)	CXL	2013	46		2014	
FC 0001	Citrus fruits (group)	0.7			CXL	2014	47		2015	
SB 0716	Coffee beans	0.05			CXL	2013	46		2014	
SO 0691	Cotton seed	0.3			CXL	08	41		2009	
VD 2065	Dry beans (subgroup)	0.3		(except soya beans)	CXL	2019	52		2021	
VD 2066	Dry peas (subgroup)	0.3			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.2			CXL	10	43		2011	
PE 0112	Eggs	0.2			CXL	2016	49		2017	
VC 0045	Fruiting vegetables, cucurbits (group)	0.3			CXL	08	41		2009	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.6			CXL	08	41		2009	
DH 1100	Hops, dry	40			CXL	2013	46		2014	
VL 0053	Leafy vegetables (group)	20		(except radish leaves)	CXL	2013	46		2014	
MF 0100	Mammalian fats (except milk fats)	0.2			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	
ML 0106	Milks	0.05			CXL	10	43		2011	
HH 0738	Mints	15			CXL	10	43		2011	
SO 3160	Palm fruit (African oil palm)	0.8			CXL	2019	52		2021	
OC 1240	Palm kernel oil, crude	2			CXL	2019	52		2021	
SO 0697	Peanut	0.06			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0063	Peas (pods and succulent=immature seeds)	2		CXL	2013	46		2014	
VP	0064	Peas, shelled (succulent seeds)	0.05		CXL	2013	46		2014	
HS	0444	Peppers chili, dried	5		CXL	08	41		2009	
FP	0009	Pome fruits (group)	0.4		CXL	08	41		2009	
FI	0355	Pomegranate	0.4		CXL	2013	46		2014	
PF	0111	Poultry fats	0.08		CXL	2016	49		2017	
PM	0110	Poultry meat	0.02		CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.07		CXL	2016	49		2017	
VR	0494	Radish	0.5		CXL	2013	46		2014	
VL	0494	Radish leaves (including radish tops)	40		CXL	2013	46		2014	
SO	0495	Rape seed	2		CXL	2013	46		2014	
GC	0649	Rice	0.4		CXL	2013	46		2014	
CM	1205	Rice, polished	0.04		CXL	2013	46		2014	
VR	0075	Root and tuber vegetables (group)	0.02	(except carrot and radish)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)	0.05		CXL	2014	47		2015	
FS	0012	Stone fruits (group)	1		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		3	2022	54			
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		3	2022	54			
HH	0722	Basil, leaves	30		3	2022	54			
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		3	2022	54			
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	
VC	0424	Cucumber	0.2		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2021	53		2022	
VO	2046	Eggplants (subgroup)	0.7		3	2022	54			
PE	0112	Eggs	0.01	(*)	CXL	2018	51		2019	
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.2		3	2022	54			
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.4		3	2022	54			
VR	0604	Ginseng	0.15		3	2022	54			
DV	0604	Ginseng, dried including red ginseng	4		3	2022	54			
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0046	Melons, except watermelon	0.5		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
ML	0106	Milks	0.01	(*)	CXL	2018	51		2019	
VA	0385	Onion, bulb	0.1		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		CXL	2021	53		2022	
VO	0051	Peppers (subgroup)	1		CXL	2008	41		2009	
VO	0051	Peppers (subgroup)	0.7	(except martynia, okra and roselle)	3	2022	54			
HS	0444	Peppers chili, dried	10		CXL	2008	41		2009	
HS	0444	Peppers chili, dried	7		3	2022	54			
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	
VA	0389	Spring onion	7		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
VC	0431	Squash, summer	0.2		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
VO	0448	Tomato	0.3		CXL	2008	41		2009	Recommended for withdrawal by JMPR (2022)
VO	2045	Tomatoes (subgroup)	1		3	2022	54			

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 childbearing 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	
VD 0070	Pulses (group)	1		Except soya bean, dry.	CXL	09	42		2010	
SO 0495	Rape seed	0.2			CXL	2021	53		2022	
OR 0495	Rape seed oil, edible	0.15			CXL	2021	53		2022	
GC 0650	Rye	0.05			CXL	08	41			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0541	Soya bean (dry)	0.2		CXL	2014	47		2015	
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	4		CXL	09	42		2010	
VR	0596	Sugar beet	0.3		CXL	09	42		2010	
OC	0702	Sunflower seed oil, crude	0.5		CXL	2021	53		2022	
SO	2091	Sunflower seeds (subgroup)	0.5		CXL	2021	53		2022	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	2014	47		2015	
AS	0447	Sweet corn fodder	15		CXL	2014	47		2015	Tentative commodity code
GC	0653	Triticale	0.05		CXL	08	41		2009	
GC	0654	Wheat	0.1		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	
VC	0046	Melons, except watermelon		(*)	CXL	2017	50		2018	
FM	0183	Milk fats			CXL	2017	50		2018	
ML	0106	Milks			CXL	2017	50		2018	
FS	0245	Nectarine			CXL	2012	45		2013	
VA	0385	Onion, bulb		(*)	CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0387	Onion, Welsh			CXL	2012	45		2013	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2008	41		2009	
FI	0351	Passion fruit			CXL	2017	50		2018	
FS	0247	Peach			CXL	2012	45		2013	
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	CXL	2017	50		2018	
HS	0444	Peppers chili, dried			CXL	2017	50		2018	
FI	2540	Pitaya			CXL	2021	53		2022	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2017	50		2018	
FP	0009	Pome fruits (group)			CXL	2008	41		2009	
VR	0589	Potato			CXL	2017	50		2018	
PF	0111	Poultry fats			CXL	2017	50		2018	
PM	0110	Poultry meat			CXL	2017	50		2018	
PO	0111	Poultry, edible offal of			CXL	2017	50		2018	
FB	0272	Raspberries, red, black			CXL	2012	45		2013	
AS	0649	Rice, hay and/or straw			CXL	2017	50		2018	
CM	0649	Rice, husked			CXL	2017	50		2018	
VD	0541	Soya bean (dry)			CXL	2017	50		2018	
VL	0502	Spinach			CXL	2012	45		2013	
VA	0389	Spring onion			CXL	2012	45		2013	
FB	0275	Strawberry			CXL	2017	50		2018	
VR	0596	Sugar beet			CXL	2008	41		2009	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)			CXL	2017	50		2018	
AS	0447	Sweet corn fodder			CXL	2017	50		2018	
FT	0305	Table olives			CXL	2017	50		2018	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2021	53		2022	
VO	0448	Tomato			CXL	2008	41		2009	
TN	0085	Tree nuts (group)			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	10			CXL	08	41		2009	
VS 0620	Artichoke, globe	1			CXL	2013	46		2014	
FI 0326	Avocado	0.4			CXL	2015	48		2016	
FB 2006	Bush berries (subgroup)	1.5			CXL	2013	46		2014	
VB 0041	Cabbages, head	2			CXL	08	41		2009	
VR 0577	Carrot	0.04			CXL	2019	52		2021	
VS 0624	Celery	4			CXL	08	41		2009	
FC 0001	Citrus fruits (group)	0.5			CXL	08	41		2009	
SO 0691	Cotton seed	0.4			CXL	11	44		2012	
AB 1203	Cotton seed, meal	1			CXL	11	44		2012	
FB 0265	Cranberry	0.2			CXL	2013	46		2014	
MO 0105	Edible offal (mammalian)	1			CXL	11	44		2012	
PE 0112	Eggs	0.01			CXL	11	44		2012	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	1			CXL	08	41		2009	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL	08	41		2009	
VO 0050	Fruiting vegetables, other than cucurbits (group)	1		Except sweet corn, mushrooms and chili pepper	CXL	08	41		2009	
AB 0269	Grape pomace, dried	4			CXL	08	41		2009	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	4			CXL	08	41		2009	
FB 0269	Grapes	2			CXL	08	41		2009	
FT 0336	Guava	2			CXL	2015	48		2016	
DH 1100	Hops, dry	15			CXL	08	41		2009	
FI 0341	Kiwifruit	0.02 (*)			CXL	11	44		2012	
VL 0053	Leafy vegetables (group)	7			CXL	08	41		2009	
AL 0157	Legume animal feeds	30			CXL	11	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FP 0226	Apple	0.9			CXL	2019	52		2021	
VB 0402	Brussels sprouts	0.8			CXL	09	42		2010	
VL 0466	Chinese cabbage (type pack-choi)	6			CXL	09	42		2010	
SB 0716	Coffee beans	0.15			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.02		(*)	CXL	2019	52		2021	
VO 0440	Eggplant	0.6			CXL	09	42		2010	
PE 0112	Eggs	0.02			CXL	2019	52		2021	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	13			CXL	2019	52		2021	
FB 0269	Grapes	5			CXL	2019	52		2021	
FC 0002	Lemons and limes (including citron) (subgroup)	2			CXL	2019	52		2021	
VL 0482	Lettuce, head	7			CXL	09	42		2010	
GC 0645	Maize	0.04			CXL	2019	52		2021	
MF 0100	Mammalian fats (except milk fats)	0.15			CXL	2019	52		2021	
MM 0095	Meat (from mammals other than marine mammals)	0.02		(*) (fat)	CXL	2019	52		2021	
VC 0046	Melons, except watermelon	1			CXL	2019	52		2021	
FM 0183	Milk fats	0.6			CXL	2019	52		2021	
ML 0106	Milks	0.02			CXL	2019	52		2021	
OR 0004	Orange oil, edible	100			CXL	2019	52		2021	
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	3			CXL	2019	52		2021	
VO 0051	Peppers (subgroup)	0.6			CXL	09	42		2010	
HS 0444	Peppers chili, dried	6			CXL	09	42		2010	
VR 0589	Potato	0.02		(*)	CXL	09	42		2010	
PF 0111	Poultry fats	0.08			CXL	2019	52		2021	
PM 0110	Poultry meat	0.02		(*) (fat)	CXL	2019	52		2021	
PO 0111	Poultry, edible offal of	0.02		(*)	CXL	2019	52		2021	
VD 0541	Soya bean (dry)	0.2			CXL	2019	52		2021	
GS 0659	Sugar cane	0.02		(*)	CXL	2019	52		2021	
VO 0448	Tomato	0.6			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,T or C,t = combined clothianidin and thiamethoxam use.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0620	Artichoke, globe	0.05	T		CXL	10	43		2011	
FI 0326	Avocado	0.03	T		CXL	2014	47		2015	
FI 0327	Banana	0.02	C,t		CXL	10	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	10	43		2011	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.2	T		CXL	10	43		2011	
SB 0715	Cacao beans	0.02 (*)	T		CXL	10	43		2011	
VS 0624	Celery	0.04	T		CXL	10	43		2011	
FC 0001	Citrus fruits (group)	0.07	T		CXL	10	45	43	2013	
SB 0716	Coffee beans	0.05	T		CXL	10	43		2011	
MO 0105	Edible offal (mammalian)	0.02 (*)	C,t	Except liver.	CXL	10	44	43	2012	
PE 0112	Eggs	0.01 (*)			CXL	2021	53		2022	
VC 0045	Fruiting vegetables, cucurbits (group)	0.02 (*)	T		CXL	10	43		2011	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.05	T	Except sweet corn	CXL	10	43		2011	
JF 0269	Grape juice	0.2	C,t		CXL	10	43		2012	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	1	C,t		CXL	10	43,44		2012	
FB 0269	Grapes	0.7	C,t		CXL	10	44	43	2012	
DH 1100	Hops, dry	0.07	T		CXL	2014	47		2015	
VL 0053	Leafy vegetables (group)	2	T		CXL	10	43		2011	
VP 0060	Legume vegetables (group)	0.01 (*)	T		CXL	10	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0099	Liver of cattle, goats, pigs & sheep			CXL	2021	53		2022	
GC	0645	Maize			CXL	10	43		2011	
AS	0645	Maize fodder (dry)	(dw)		CXL	10	43		2011	
MF	0100	Mammalian fats (except milk fats)			CXL	10	44	43	2012	
FI	0345	Mango			CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)			CXL	10	44	43	2012	
ML	0106	Milks			CXL	2021	53		2022	
HH	0738	Mints			CXL	2014	47		2015	
AS	3559	Oat, hay and/or straw	(dw)		CXL	2021	53		2022	(combined clothianidin and thiamethoxam use)
GC	0647	Oats			CXL	2021	53		2022	(combined clothianidin and thiamethoxam use)
SO	0088	Oilseeds and oilfruits (group)			CXL	10	43		2011	
FI	0350	Papaya			CXL	10	43		2011	
AL	0072	Pea, hay and/or straw	(dw)		CXL	10	43		2011	
TN	0672	Pecan			CXL	10	43		2011	
HS	0444	Peppers chili, dried			CXL	10	43		2011	
FI	0353	Pineapple			CXL	10	43		2011	
FP	0009	Pome fruits (group)			CXL	10	44	43	2012	
GC	0656	Popcorn			CXL	10	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			CXL	10	43		2011	
VD	0070	Pulses (group)			CXL	10	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	(dw)		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)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CM	1205	Rice, polished	0.5	C,t	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022
VR	0075	Root and tuber vegetables (group)	0.2	C,T		CXL	2010	46	43,44,45	2014
AS	3560	Rye, hay and/or straw	1	(*)		CXL	2021	53		2022
GC	0651	Sorghum grain	0.15	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53		2022
AS	3562	Sorghum, hay and/or straw	0.8	(dw)	c,T	(combined clothianidin and thiamethoxam use)	CXL	2021	53	2022
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	10	44	43	2012
FS	0012	Stone fruits (group)	0.2	c,T		CXL	10	43		2011
GS	0659	Sugar cane	0.4	C		CXL	10	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	10	43		2011
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VD 0071	Beans (dry)	0.02 (*)			CXL	2010	43		2011	
GC 0080	Cereal grains (group)	0.08		Except maize, rice and sorghum	CXL	2010	43		2011	
SB 0716	Coffee beans	0.07			CXL	2013	46		2014	
SM 0716	Coffee beans, roasted	0.1			CXL	2013	46		2014	
MO 0105	Edible offal (mammalian)	0.5			CXL	2010	43		2011	
PE 0112	Eggs	0.01 (*)			CXL	2010	43		2011	
GC 0645	Maize	0.01 (*)			CXL	2010	43		2011	
AS 0645	Maize fodder (dry)	2			CXL	2010	43		2011	
MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)			CXL	2010	43		2011	
ML 0106	Milks	0.01			CXL	2010	43		2011	
VD 0072	Peas (dry)	0.02 (*)			CXL	2010	43		2011	
VP 0064	Peas, shelled (succulent seeds)	0.01			CXL	2010	43		2011	
PM 0110	Poultry meat	0.01 (*)			CXL	2010	43		2011	
PO 0111	Poultry, edible offal of	0.01 (*)			CXL	2010	43		2011	
SO 0495	Rape seed	0.4			CXL	2010	43		2011	
VD 0541	Soya bean (dry)	0.07			CXL	2010	43		2011	
OR 0541	Soya bean oil, refined	0.1			CXL	2010	43		2011	
AL 0541	Soya bean, hay and/or straw	3			CXL	2010	43		2011	
AS 0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	5		Except maize, rice and sorghum	CXL	2010	43		2011	
VR 0596	Sugar beet	0.05			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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	10		CXL	2010	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	4		CXL	2010	43		2011	
VS	0624	Celery	5		CXL	2010	43		2011	
SO	0691	Cotton seed	1.5		CXL	2010	43		2011	
MO	0105	Edible offal (mammalian)	1		CXL	2010	43		2011	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	2010	43		2011	
FB	0269	Grapes	2		CXL	2010	43		2011	
VP	0060	Legume vegetables (group)	2		CXL	2010	43		2011	
VL	0482	Lettuce, head	5		CXL	2010	43		2011	
VL	0483	Lettuce, leaf	7		CXL	2010	43		2011	
GC	0645	Maize	0.02		CXL	2010	43		2011	
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)	CXL	2010	43		2011	
FM	0183	Milk fats	5		CXL	2010	43		2011	
ML	0106	Milks	0.1		CXL	2010	43		2011	
SO	0088	Oilseeds and oilfruits (group)	0.04		3	2022	54			
AL	0072	Pea, hay and/or straw	40		CXL	2010	43		2011	
VO	0051	Peppers (subgroup)	0.7		CXL	2010	43		2011	
HS	0444	Peppers chili, dried	7		CXL	2010	43		2011	
FP	0009	Pome fruits (group)	0.8		CXL	2010	43		2011	
VD	0070	Pulses (group)	1		CXL	2010	43		2011	
AL	0541	Soya bean, hay and/or straw	60		CXL	2010	43		2011	
FS	0012	Stone fruits (group)	2		CXL	2010	43		2011	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	2010	43		2011	
DT	1114	Tea, green, black (black, fermented and dried)	50		CXL	2010	43		2011	
VO	0448	Tomato	2		CXL	2010	43		2011	
TN	0085	Tree nuts (group)	0.1		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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
AS 0640	Barley, hay and/or straw	2			CXL	2017	50		2018	
DH 0722	Basil leaves, dried	400			CXL	2017	50		2018	
HH 0722	Basil, leaves	70			CXL	2017	50		2018	
AL 0061	Bean fodder	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	
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	
VD 2065	Dry beans (subgroup)	0.15		(except soybean (dry))	CXL	2017	50		2018	
VD 2066	Dry peas (subgroup)	0.7			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	8			CXL	2017	50		2018	
VO 2046	Eggplants (subgroup)	0.5			CXL	2017	50		2018	
PE 0112	Eggs	2			CXL	2017	50		2018	
VA 0381	Garlic	0.07			CXL	2014	47		2015	

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)	5		CXL	2010	43		2011	
FB	0269	Grapes	2		CXL	2010	43		2011	
DH	1100	Hops, dry	50		CXL	2017	50		2018	
VA	0384	Leek	0.15		CXL	2014	47		2015	
FC	0002	Lemons and limes (including citron) (subgroup)	1		CXL	2017	50		2018	
VL	0482	Lettuce, head	15		CXL	2014	47		2015	
VL	0483	Lettuce, leaf	15		CXL	2014	47		2015	
GC	2091	Maize cereals (subgroup)	0.02		CXL	2017	50		2018	
AS	0645	Maize fodder (dry)	18		CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	1.5		CXL	2017	50		2018	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.6		CXL	2017	50		2018	
FI	0345	Mango	1		CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)	1.5		CXL	2017	50		2018	
ML	0106	Milks	0.8		CXL	2017	50		2018	
AS	0647	Oat straw and fodder, dry	2		CXL	2017	50		2018	
GC	0647	Oats	0.2		CXL	2017	50		2018	
VA	0385	Onion, bulb	0.07		CXL	2014	47		2015	
VA	0387	Onion, Welsh	2		CXL	2017	50		2018	
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	(except martynia, okra, roselle)	CXL	2017	50		2018	
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	
PM	0110	Poultry meat	1.5		CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	5		CXL	2017	50		2018	

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)	0.4		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	
AS	0650	Rye straw and fodder, dry	23		CXL	2017	50		2018	
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	
AS	0653	Triticale, hay and/or straw	23		CXL	2017	50		2018	
GC	0654	Wheat	0.9		CXL	2017	50		2018	
AS	0654	Wheat, hay and/or straw	23		CXL	2017	50		2018	
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*.
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
FC 0001	Citrus fruits (group)	0.5			CXL	2010	45	43	2013	
SB 0716	Coffee beans	0.2			CXL	2010	43		2011	
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			CXL	2010	43		2011	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks			CXL	2021	53			2022
HH	0738	Mints			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
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
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
FS	0012	Stone fruits (group)	1		CXL	2010	43			2011
AS	3563	Sweet corn, stover	0.25	(dw)	CXL	2021	53			2022
GC	2090	Sweet corns (subgroup)	0.01	(*)	CXL	2021	53			2022
DT	1114	Tea, green, black (black, fermented and dried)	20		CXL	2010	43			2011
GC	0653	Triticale	0.15		CXL	2021	53			2022
AS	0653	Triticale, hay and/or straw	8	(dw)	CXL	2021	53			2022
GC	0654	Wheat	0.15		CXL	2021	53			2022
CF	0654	Wheat bran, processed	0.4		CXL	2021	53			2022
CF	1210	Wheat germ	0.3		CXL	2021	53			2022
AS	0654	Wheat, hay and/or straw	8	(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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0621	Asparagus	0.8			CXL	2015	48		2016	
VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.4			CXL	2011	44		2012	
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.3			CXL	2011	44		2012	
FB 0018	Berries and other small fruits	2		except grapes and strawberries	CXL	2011	44		2012	
VB 0041	Cabbages, head	0.7			CXL	2011	44		2012	
VS 0624	Celery	1.5			CXL	2011	44		2012	
FS 0013	Cherries (subgroup)	1.5			CXL	2011	44		2012	
FC 0001	Citrus fruits (group)	1			CXL	2011	44		2012	
SO 0691	Cotton seed	0.7			CXL	2011	44		2012	
VC 0424	Cucumber	0.3			CXL	2015	48		2016	
MO 0105	Edible offal (mammalian)	1			CXL	2015	48		2016	
PE 0112	Eggs	0.01	(*)		CXL	2011	44		2012	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.4			CXL	2011	44		2012	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2		(except cucumber)	CXL	2015	48		2016	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.2		except sweet corn & mushrooms	CXL	2011	44		2012	
VA 0381	Garlic	0.02			CXL	2011	44		2012	
FB 0269	Grapes	0.5			CXL	2011	44		2012	
MF 0100	Mammalian fats (except milk fats)	0.3			CXL	2015	48		2016	
MM 0095	Meat (from mammals other than marine mammals)	0.5			CXL	2015	48		2016	
ML 0106	Milks	0.2			CXL	2015	48		2016	
FS 0245	Nectarine	0.7			CXL	2011	44		2012	
VA 0385	Onion, bulb	0.02			CXL	2011	44		2012	
FS 0247	Peach	0.7			CXL	2011	44		2012	
VP 0064	Peas, shelled (succulent seeds)	0.3			CXL	2011	44		2012	
HS 0790	Pepper, black, white	0.1			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	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	
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.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DH 0722	Basil leaves, dried	0.4			3	2022	54			
HH 0722	Basil, leaves	0.06			3	2022	54			
VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.015			CXL	2011	44		2012	
DH 2605	Chive, dried	0.05			3	2022	54			
VA 4155	Chives	0.01			3	2022	54			
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)	0.08			CXL	2011	44		2012	
MO 0105	Edible offal (mammalian)	0.1			3	2022	54			
VB 0042	Flowerhead brassicas (subgroup)	0.007			3	2022	54			
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			3	2022	54			
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	2011	44		2012	
MF 0100	Mammalian fats (except milk fats)	0.02			3	2022	54			
MM 0095	Meat (from mammals other than marine mammals)	0.004			CXL	2011	44		2012	
MM 0095	Meat (from mammals other than marine mammals)	0.005			3	2022	54			
ML 0106	Milks	0.002			CXL	2011	44		2012	
ML 0106	Milks	0.003			3	2022	54			
VL 0485	Mustard greens	0.2			CXL	2011	44		2012	
FS 0245	Nectarine	0.03			CXL	2011	44		2012	
FS 0247	Peach	0.03			CXL	2011	44		2012	
HS 0444	Peppers chili, dried	0.2			CXL	2011	44		2012	
FP 0009	Pome fruits (group)	0.02			CXL	2011	44		2012	
SO 0495	Rape seed	0.005 (*)			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0541	Soya bean (dry)	0.001	(*)	3	2022	54			
VL	0502	Spinach	0.05		3	2022	54			
DT	1114	Tea, green, black (black, fermented and dried)	0.1		3	2022	54			
TN	0085	Tree nuts (group)	0.001	(*)	CXL	2014			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	15 (dw)			3	2022	54			
TN 0660	Almonds	0.8			3	2022	54			
FI 0327	Banana	0.3			CXL	2011	44		2012	
GC 0640	Barley	1.5			3	2022	54			
AS 0640	Barley, hay and/or straw	10 (dw)			3	2022	54			
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	2015	48		2016	
MO 0105	Edible offal (mammalian)	1			3	2022	54			
PE 0112	Eggs	0.01 (*)			CXL	2015	48		2016	
PE 0112	Eggs	0.01 (*)			3	2022	54			
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	2015	48		2016	
MF 0100	Mammalian fats (except milk fats)	0.02			3	2022	54			
MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)			CXL	2015	48		2016	
MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)			3	2022	54			
ML 0106	Milks	0.01 (*)			CXL	2015	48		2016	
ML 0106	Milks	0.01 (*)			3	2022	54			
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)			CXL	2015	48		2016	
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	2015	48		2016	
PF	0111	Poultry fats			3	2022	54			
PM	0110	Poultry meat			CXL	2015	48		2016	
PM	0110	Poultry meat		(*) (fat)	3	2022	54			
PO	0111	Poultry, edible offal of			CXL	2015	48		2016	
PO	0111	Poultry, edible offal of			3	2022	54			
DF	0014	Prunes			CXL	2015	48		2016	
SO	0495	Rape seed			CXL	2015	48		2016	
GC	0649	Rice			3	2022	54			
AS	0649	Rice, hay and/or straw			3	2022	54			
AS	3570	Rice, hulls		(husks)	3	2022	54			
CM	0649	Rice, husked			3	2022	54			
CM	1205	Rice, polished			3	2022	54			
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	
FB	0275	Strawberry			CXL	2015	48		2016	
VR	0596	Sugar beet			CXL	2015	48		2016	
AV	0596	Sugar beet leaves or tops (dry)			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 pimiento)	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	
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									



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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GS	0659	Sugar cane			CXL	2016	49		2017	
DM	0659	Sugar cane molasses			CXL	2016	49		2017	
SO	0702	Sunflower seed			CXL	2016	49		2017	
GC	0447	Sweet corn			CXL	2011	44		2012	
TN	0085	Tree nuts (group)			CXL	2011	44		2012	
GC	0653	Triticale			CXL	2016	49		2017	
AS	0653	Triticale, hay and/or straw			CXL	2016	49		2017	
GC	0654	Wheat			CXL	2016	49		2017	
AS	0654	Wheat, hay and/or straw			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VS 0620	Artichoke, globe	0.9			3	2022	54			
VS 0621	Asparagus	0.015			CXL	2021	53		2022	
FI 0326	Avocado	0.15			CXL	2021	53		2022	
GC 0640	Barley	0.6			CXL	2011	45	44	2013	
AS 0640	Barley, hay and/or straw	3			CXL	2011	45	44	2013	
VD 0071	Beans (dry)	0.3			CXL	2013	46		2014	
VB 0400	Broccoli	3			CXL	2011	45	44	2013	
FB 2006	Bush berries (subgroup)	2			CXL	2021	53		2022	
VB 0041	Cabbages, head	0.4			CXL	2011	45	44	2013	
FB 2005	Cane berries (subgroup)	1.5			CXL	2021	53		2022	
VR 0577	Carrot	0.05			CXL	2013	46		2014	
VB 0404	Cauliflower	0.04			CXL	2011	45	44	2013	
VS 0624	Celery	1.5			CXL	2011	45	44	2013	
FS 0013	Cherries (subgroup)	1.5			CXL	2014	47		2015	
SB 0716	Coffee beans	0.3			CXL	2021	53		2022	
SO 0691	Cotton seed	0.4			CXL	2011	45	44	2013	
MO 0105	Edible offal (mammalian)	1			CXL	2018	51		2019	
PE 0112	Eggs	0.1			CXL	2011	45	44	2013	
FB 0267	Elderberries	2			CXL	2021	53		2022	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	2011	45	44	2013	
VO 0050	Fruiting vegetables, other than cucurbits (group)	1.5		(except sweet corn and mushrooms)	CXL	2011	45	44	2013	
VA 0381	Garlic	0.01		(*)	CXL	2011	45	44	2013	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	6			CXL	2011	45	44	2013	
FB 0269	Grapes	2			CXL	2011	45	44	2013	
VL 0053	Leafy vegetables (group)	6			CXL	2011	45	44	2013	
FC 0002	Lemons and limes (including citron) (subgroup)	0.4			CXL	2014	47		2015	
GC 0645	Maize	0.01		(*)	CXL	2018	51		2019	
AS 0645	Maize fodder (dry)	0.6			CXL	2018	51		2019	
MF 0100	Mammalian fats (except milk fats)	0.2			CXL	2018	51		2019	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.8			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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)			3	2022	54			
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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, 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	
GC 0645	Maize	0.01			CXL	2012	46	45	2014	
CF 1255	Maize flour	0.05			CXL	2012	46	45	2014	
AS 0645	Maize fodder (dry)	10 (DM)			CXL	2012	45		2017	
OC 0645	Maize oil, crude	0.15			CXL	2012	46	45	2014	

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	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.04		CXL	2013	46		2014	
ML	0106	Milks	0.04		CXL	2013	46		2014	
GC	0646	Millet	0.8		CXL	2012	46	45	2014	
AS	0646	Millet fodder, dry	10	(DM)	CXL	2012	46	45	2014	
AS	0647	Oat straw and fodder, dry	80	(DM)	CXL	2012	46	45	2014	
GC	0647	Oats	0.2		CXL	2013	46		2014	
VA	0385	Onion, bulb	0.7		CXL	2012	45		2013	
VA	0387	Onion, Welsh	4		CXL	2012	45		2013	
AL	0072	Pea, hay and/or straw	60	(DM)	CXL	2012	46	45	2014	
SO	0697	Peanut	0.05		CXL	2012	46	45	2014	
AL	0697	Peanut fodder	30	(DM)	CXL	2012	46	45	2014	
OR	0697	Peanut oil, edible	0.5		CXL	2012	46	45	2014	
VP	0063	Peas (pods and succulent=immature seeds)	3		CXL	2012	45		2013	
VP	0064	Peas, shelled (succulent seeds)	0.3		CXL	2012	45		2013	
HS	0444	Peppers chili, dried	14		CXL	2012	45		2013	
FP	0009	Pome fruits (group)	0.4		CXL	2012	46	45	2014	
VR	0589	Potato	0.05		CXL	2012	45		2013	
PF	0111	Poultry fats	0.03		CXL	2012	46	45	2014	
PM	0110	Poultry meat	0.03		CXL	2012	46	45	2014	
PO	0111	Poultry, edible offal of	0.03		CXL	2012	46	45	2014	
VD	0070	Pulses (group)	0.3	(except soya beans)	CXL	2012	45		2013	
VR	0494	Radish	3		CXL	2012	45		2013	
SO	0495	Rape seed	0.5		CXL	2012	46	45	2014	
OC	0495	Rape seed oil, crude	1		CXL	2012	46	45	2014	
OR	0495	Rape seed oil, edible	1		CXL	2012	46	45	2014	
GC	0650	Rye	0.1		CXL	2013	46		2014	
AS	0650	Rye straw and fodder, dry	80	(DM)	CXL	2012	46	45	2014	
GC	0651	Sorghum grain	0.8		CXL	2012	46	45	2014	
AS	0651	Sorghum straw and fodder, dry	10	(DM)	CXL	2012	46	45	2014	
VD	0541	Soya bean (dry)	0.3		CXL	2012	46	45	2014	
AL	0541	Soya bean, hay and/or straw	200	(DM)	CXL	2012	46	45	2014	
VA	0389	Spring onion	4		CXL	2012	45		2013	
FS	0012	Stone fruits (group)	4		CXL	2012	45		2013	
FB	0275	Strawberry	3		CXL	2012	45		2013	
VR	0596	Sugar beet	0.5		CXL	2012	46	45	2014	
SO	0702	Sunflower seed	1.5		CXL	2012	46	45	2014	
VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	2012	45		2013	
TN	0085	Tree nuts (group)	0.05		CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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: The 2018 JMPR Meeting 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			CXL	2018	51		2019	
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	
PO 0111	Poultry, edible offal of	0.01			CXL	2018	51		2019	
VD 0541	Soya bean (dry)	0.08			CXL	2018	51		2019	
OC 0541	Soya bean oil, crude	0.4			CXL	2018	51		2018	
AL 0541	Soya bean, hay and/or straw	7		(DM)	CXL	2018	51		2018	
DT 1114	Tea, green, black (black, fermented and dried)	60			CXL	2018	51		2019	
VO 0448	Tomato	0.4			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	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	12	45		2013	
VS 0624	Celery	0.6			CXL	12	45		2013	
SO 0691	Cotton seed	0.2			CXL	12	45		2013	
FB 0265	Cranberry	0.15			CXL	12	45		2013	
MO 0105	Edible offal (mammalian)	0.1			CXL	12	45		2013	
PE 0112	Eggs	0.02 (*)			CXL	12	45		2013	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	12	45		2013	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.5		(except sweet corn and mushrooms)	CXL	12	45		2013	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	3			CXL	12	45		2013	
FB 0269	Grapes	0.9			CXL	12	45		2013	
VL 0053	Leafy vegetables (group)	6		(except watercress)	CXL	12	45		2013	
MM 0095	Meat (from mammals other than marine mammals)	0.1			CXL	12	45		2013	
ML 0106	Milks	0.1			CXL	12	45		2013	
FS 0245	Nectarine	0.8			CXL	12	45		2013	
VA 0385	Onion, bulb	0.1			CXL	12	45		2013	
FS 0247	Peach	0.8			CXL	12	45		2013	
HS 0444	Peppers chili, dried	5			CXL	12	45		2013	
PM 0110	Poultry meat	0.02 (*)			CXL	12	45		2013	
PO 0111	Poultry, edible offal of	0.02 (*)			CXL	12	45		2013	
GC 0649	Rice	8			CXL	12	45		2013	
AS 0649	Rice, hay and/or straw	6			CXL	12	45		2013	
CM 1205	Rice, polished	0.3			CXL	12	45		2013	
VA 0389	Spring onion	4			CXL	12	45		2013	
VL 0473	Watercress	7			CXL	12	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-pyrzaole-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	Beans (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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
VP	0064	Peas, shelled (succulent seeds)	0.09		CXL	2012	45		2013	
HS	0444	Peppers chili, dried	6		CXL	2012	45		2013	
FS	0014	Plums (including fresh prunes) (subgroup)	1.5		CXL	2015	48		2016	
FP	0009	Pome fruits (group)	0.9		CXL	2012	45		2013	
VR	0589	Potato	0.07		CXL	2018	51		2019	
PF	0111	Poultry fats	0.05		CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.2			CXL	12	45		2013	
AS 0640	Barley, hay and/or straw	50			CXL	12	45		2013	
MO 0105	Edible offal (mammalian)	3			CXL	12	45		2013	
PE 0112	Eggs	0.05 (*)			CXL	12	45		2013	
SO 4711	Flaxseed	0.01 (*)			CXL	12	45		2013	
AS 0162	Hay and/or straw of grasses for animal feed (subgroup)	500			CXL	12	45		2013	
GC 0645	Maize	0.01 (*)			CXL	12	45		2013	
AS 0645	Maize fodder (dry)	0.3			CXL	12	45		2013	
MF 0100	Mammalian fats (except milk fats)	0.2			CXL	12	45		2013	
MM 0095	Meat (from mammals other than marine mammals)	0.1			CXL	12	45		2013	
ML 0106	Milks	0.04			CXL	12	45		2013	
AS 0647	Oat straw and fodder, dry	50			CXL	12	45		2013	
GC 0647	Oats	0.2			CXL	12	45		2013	
VD 0072	Peas (dry)	0.01 (*)			CXL	12	45		2013	
PF 0111	Poultry fats	0.05 (*)			CXL	12	45		2013	
PM 0110	Poultry meat	0.05 (*)			CXL	12	45		2013	
PO 0111	Poultry, edible offal of	0.05 (*)			CXL	12	45		2013	
GC 0650	Rye	0.2			CXL	12	45		2013	
AS 0650	Rye straw and fodder, dry	50			CXL	12	45		2013	
GC 0653	Triticale	0.2			CXL	12	45		2013	
AS 0653	Triticale, hay and/or straw	50			CXL	12	45		2013	
GC 0654	Wheat	0.2			CXL	12	45		2013	
AS 0654	Wheat, hay and/or straw	50			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 fodder	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 mg/kg bw (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 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)	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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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			3	2022	54			
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	
DT 0604	Ginseng, dried	0.3		(excluding red ginseng)	3	2022	54			Recommended to include new code DT 0604 Ginseng, dried or to not include this MRL as already covered by DV 0604 Ginseng, dried including red ginseng with the same number. DT 0604 does not exist in the old and new Classification.
DV 0604	Ginseng, dried including red ginseng	0.3			3	2022	54			
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			3	2022	54			
AS 3491	Maize bran, processed				CXL					
AS 3558	Maize, stover	7	(dw)		3	2022	54			
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut			CXL	2016	49			2017
AL	0697	Peanut fodder		(dw)	CXL	2016	49			2017
HS	0444	Peppers chili, dried			CXL	2016	49			2017
FP	0009	Pome fruits (group)			CXL	2016	49			2017
GC	0656	Popcorn			3	2022	54			
AS	0656	Popcorn, stover		(dw)	3	2022	54			
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
SO	0495	Rape seed			CXL	2016	49			2017
GC	0650	Rye			CXL	2016	49			2017
AS	0650	Rye straw and fodder, dry		(dw)	CXL	2016	49			2017
VD	0541	Soya bean (dry)			CXL	2016	49			2017
GS	0659	Sugar cane			CXL	2019	52			2021
VO	0447	Sweet corn (corn-on-the-cob)		(*)	CXL	2016	49			2017
GC	0653	Triticale			CXL	2016	49			2017
AS	0653	Triticale, hay and/or straw		(dw)	CXL	2016	49			2017
GC	0654	Wheat			CXL	2016	49			2017
AS	0654	Wheat, hay and/or straw		(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)
GC	0650	Rye	0.05		CXL	2016	49		2017	
AS	0650	Rye straw and fodder, dry	20	(dw)	CXL	2016	49		2017	
GC	0651	Sorghum grain	2		CXL	2021	53		2022	
VD	0541	Soya bean (dry)	0.08		CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
OR	0541	Soya bean oil, refined	0.15		CXL	2021	53		2022	
AL	3538	Soya bean, hulls	0.3		CXL	2021	53		2022	
SO	0702	Sunflower seed	3		CXL	2021	53		2022	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2021	53		2022	
GC	0653	Triticale	0.05		CXL	2016	49		2017	
AS	0653	Triticale, hay and/or straw	20	(dw)	CXL	2016	49		2017	
GC	0654	Wheat	0.3		CXL	2021	53		2022	
CF	0654	Wheat bran, processed	0.8		CXL	2021	53		2022	
CM	0654	Wheat bran, unprocessed	0.15		CXL	2016	49		2017	
AS	0654	Wheat, hay and/or straw	20	(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)-1H-pyrazol-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.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 0061	Bean fodder	40	(DM)		CXL	2015	48		2016	(DM) = dry matter
VD 0071	Beans (dry)	0.3			CXL	2015	48		2016	
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	
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	
MO 0105	Edible offal (mammalian)	1.5			CXL	2015	48		2016	
PE 0112	Eggs	0.15			CXL	2015	48		2016	
AM 1051	Fodder beet	0.02			CXL	2013	46		2014	
VC 0045	Fruiting vegetables, cucurbits (group)	0.3			CXL	2018	51		2019	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.5		(except mushrooms & sweet corn)	CXL	2013	46		2014	
VA 0381	Garlic	0.05			CXL	2013	46		2014	
VL 0053	Leafy vegetables (group)	20		(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	

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	2015	48		2016	
FI	0345	Mango			CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2015	48		2016	
ML	0106	Milks			CXL	2015	48		2016	
VA	0385	Onion, bulb			CXL	2013	46		2014	
VA	0387	Onion, Welsh			CXL	2013	46		2014	
AL	0072	Pea, hay and/or straw	(DM)		CXL	2015	48		2016	
FS	0247	Peach			CXL	2013	46		2014	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2015	48		2016	
VP	0064	Peas, shelled (succulent seeds)			CXL	2015	48		2016	
HS	0444	Peppers chili, dried			CXL	2013	46		2014	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2013	46		2014	
FP	0009	Pome fruits (group)			CXL	2013	46		2014	
FI	0355	Pomegranate		(*)	CXL	2015	48		2016	
VR	0589	Potato			CXL	2013	46		2014	
PF	0111	Poultry fats			CXL	2015	48		2016	
PM	0110	Poultry meat			CXL	2015	48		2016	
PO	0111	Poultry, edible offal of			CXL	2015	48		2016	
DF	0014	Prunes			CXL	2013	46		2014	
SO	0495	Rape seed			CXL	2015	48		2016	
AS	0649	Rice, hay and/or straw	(dw)		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 potato)	CXL	2013	46		2014	
VA	0388	Shallot			CXL	2013	46		2014	
VD	0541	Soya bean (dry)			CXL	2015	48		2016	
VP	0541	Soya bean (immature seeds)			CXL	2015	48		2016	
AL	0541	Soya bean, hay and/or straw	(DM)		CXL	2015	48		2016	
VA	0389	Spring onion			CXL	2013	46		2014	
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	(dw)		CXL	2013	46		2014	
FB	0275	Strawberry			CXL	2018	51		2019	
SO	0702	Sunflower seed			CXL	2015	48		2016	
TN	0085	Tree nuts (group)			CXL	2015	48		2016	
AM	0506	Turnip fodder			CXL	2013	46		2014	
FB	1236	Wine-grapes			CXL	2018	51		2019	

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 x (CRPA 412636 + CRPA 412708).

For the estimation of dietary intake for animal commodities: Sum of fenamidone 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 + 10 x (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	
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	

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

Residue is fat-soluble.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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		CXL	2016	49		2017	except sweetcorn and mushroom
DF	0269	Grape, dried (= Currants, Raisins and Sultanans)	2		CXL	2019	52		2021	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)	15		CXL	2019	52		2021	(except maize fodder and rice straw and fodder, dry)
VR	0583	Horseradish	4		CXL	2016	49		2017	
VL	0481	Komatsuma	9		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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)		(dw)	CXL	2019	52		2021	
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	
VC	0046	Melons, except watermelon			CXL	2016	49		2017	
ML	0106	Milks		(*)	CXL	2016	49		2017	
VL	0485	Mustard greens			CXL	2016	49		2017	
VR	0588	Parsnip			CXL	2016	49		2017	
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
FP	0009	Pome fruits (group)		(except persimmon, Japanese)	CXL	2021	53		2022	
VR	0589	Potato			CXL	2016	49		2017	
DV	0589	Potato, flakes/granules		(potato, dried)	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	2019	52		2021	
VR	0494	Radish			CXL	2016	49		2017	
VL	0494	Radish leaves (including radish tops)			CXL	2016	49		2017	
VR	0591	Radish, Japanese			CXL	2016	49		2017	
GC	2088	Rice cereals (subgroup)			CXL	2019	52		2021	
AS	0649	Rice, hay and/or straw		(dw)	CXL	2019	52		2021	
VR	0075	Root and tuber vegetables (group)		(not specified elsewhere) (R)	CXL	2016	49		2017	
FB	2008	Small fruit vine climbing (subgroup)			CXL	2019	52		2021	
GC	2089	Sorghum grain and millet (subgroup)			CXL	2019	52		2021	
VL	0502	Spinach			CXL	2016	49		2017	
VC	0431	Squash, summer			CXL	2016	49		2017	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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)			CXL	2019	52		2021	
VL	0506	Turnip greens			CXL	2016	49		2017	
VR	0506	Turnip, Garden			CXL	2016	49		2017	
VC	0432	Watermelon			CXL	2016	49		2017	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			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.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2017	50		2018	
AS	0640	Barley, hay and/or straw		(dw)	CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)			CXL	2015	48		2016	
PE	0112	Eggs		(*)	CXL	2013	46		2014	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			CXL	2015	48		2016	
VD	0533	Lentil (dry)			CXL	2013	46		2014	
GC	0645	Maize		(*)	CXL	2013	46		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	
PF	0111	Poultry fats		(*)	CXL	2013	46		2014	
PM	0110	Poultry meat		(*)	CXL	2013	46		2014	
PO	0111	Poultry, edible offal of		(*)	CXL	2013	46		2014	
SO	0495	Rape seed		(*)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)			CXL	2015	48		2016	
SO	0702	Sunflower seed			CXL	2013	46		2014	
GC	0654	Wheat		(*)	CXL	2013	46		2014	
AS	0654	Wheat, hay and/or straw		(*)	CXL	2013	46		2014	

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-mesy-4-trifluoromethylphenyl)-propane-1,3-dione) and RPA 207048 (1-cyclopropyl-2-hydroxymethylene-3-(2-mesy-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]phenoxy]benzoic acid and OH-PT-CA (4-[4-[[4-chloro-3(1-hydroxyethyl)-1-methylpyrazol-5-yl]carbonylamino]phenoxy] benzoic acid) (released with alkaline hydrolysis) expressed as tolfenpyrad.

The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	(except martynia, okra 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	
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 analyzed 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	
FC	0001	Citrus fruits (group)	0.3		CXL	2014	47		2015	
OR	0001	Citrus oil, edible	36		CXL	2014	47		2015	
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	
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	
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, the Meeting withdrew the ADI and ARfD established by the 2009 JMPR 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	
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	Beans (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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.5			CXL	2014	47		2015	
AS 0640	Barley, hay and/or straw	6	(dw)		CXL	2014	47		2015	
FS 0013	Cherries (subgroup)	2			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.01			CXL	2014	47		2015	
VO 0440	Eggplant	0.6			CXL	2016	49		2017	
PE 0112	Eggs	0.01		(*)	CXL	2014	47		2015	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	20			CXL	2014	47		2015	
FB 0269	Grapes	5			CXL	2014	47		2015	
DH 1100	Hops, dry	70			CXL	2016	49		2017	
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	
VO 0450	Mushrooms	0.5			CXL	2014	47		2015	
AS 0647	Oat straw and fodder, dry	6	(dw)		CXL	2014	47		2015	
GC 0647	Oats	0.5			CXL	2014	47		2015	
FS 2001	Peaches (including apricots and nectarine) (subgroup)	0.7			CXL	2016	49		2017	
VO 0444	Peppers chili	2			CXL	2016	49		2017	
HS 0444	Peppers chili, dried	20			CXL	2016	49		2017	
VO 0445	Peppers, sweet (including pimento or pimiento)	2			CXL	2016	49		2017	
FP 0009	Pome fruits (group)	1			CXL	2016	49		2017	
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	
GC 0650	Rye	0.06			CXL	2014	47		2015	
AS 0650	Rye straw and fodder, dry	10	(dw)		CXL	2014	47		2015	
FB 0275	Strawberry	0.6			CXL	2014	47		2015	
VO 0448	Tomato	0.6			CXL	2016	49		2017	
GC 0653	Triticale	0.06			CXL	2014	47		2015	
AS 0653	Triticale, hay and/or straw	10	(dw)		CXL	2014	47		2015	
GC 0654	Wheat	0.06			CXL	2014	47		2015	
CF 0654	Wheat bran, processed	0.25			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CF	1212	Wheat wholemeal	0.08							
AS	0654	Wheat, hay and/or straw	10	(dw)						



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									

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
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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 Code	Commodity 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)	0.4			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 Fonicamid

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: Fonicamid

For compliance with MRLs and estimation of dietary exposure) for animal commodities: Fonicamid and the metabolite TFNA-AM, expressed as fonicamid.

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	
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	

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		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 Fluzifop-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 fluzifop, defined as the sum of fluzifop-P-butyl, fluzifop-P-acid (II) and their conjugates, expressed as fluzifop-P-acid.

For dietary risk assessment for plant commodities: Sum of fluzifop-P-butyl, fluzifop-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 fluzifop-P-acid.

For compliance with MRLs and for dietary risk assessment for animal commodities: Total fluzifop, defined as the sum of fluzifop-P-butyl, fluzifop-P-acid (II) and their conjugates, expressed as fluzifop-P-acid.

The residue is fat soluble.

Note: The information provided to JMPR 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	
AL 0061	Bean fodder	7 (dw)			CXL	2016	49		2017	
VD 0071	Beans (dry)	40			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	
MF 0100	Mammalian fats (except milk fats)	0.09			CXL	2016	49		2017	
MM 0095	Meat (from mammals other than marine mammals)	0.09 (fat)			CXL	2016	49		2017	
ML 0106	Milks	0.2			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0305	Olives for oil production	0.01	(*)	CXL	2016	49		2017	
VA	0385	Onion, bulb	0.3		CXL	2016	49		2017	
OR	0004	Orange oil, edible	0.05	(*)	CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	2		CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)	15		CXL	2016	49		2017	
TN	0672	Pecan	0.01	(*)	CXL	2016	49		2017	
FP	0009	Pome fruits (group)	0.01	(*)	CXL	2016	49		2017	
VR	0589	Potato	0.6		CXL	2016	49		2017	
PF	0111	Poultry fats	0.03		CXL	2016	49		2017	
PM	0110	Poultry meat	0.03		CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.09		CXL	2016	49		2017	
VA	0388	Shallot	0.3		CXL	2016	49		2017	
VD	0541	Soya bean (dry)	15		CXL	2016	49		2017	
AL	0541	Soya bean, hay and/or straw	4	(dw)	CXL	2016	49		2017	
FS	0012	Stone fruits (group)	0.01	(*)	CXL	2016	49		2017	
FB	0275	Strawberry	3		CXL	2019	52		2021	
VR	0596	Sugar beet	0.5		CXL	2016	49		2017	
DM	0596	Sugar beet molasses	7		CXL	2016	49		2017	
AB	0596	Sugar beet pulp, dry	20		CXL	2016	49		2017	
GS	0659	Sugar cane	0.01	(*)	CXL	2016	49		2017	
SO	0702	Sunflower seed	7		CXL	2016	49		2017	
VR	0497	Swede	4		CXL	2016	49		2017	
FT	0305	Table olives	0.01	(*)	CXL	2016	49		2017	
VO	0448	Tomato	0.4		CXL	2016	49		2017	
VR	0506	Turnip, Garden	4		CXL	2016	49		2017	
TN	0678	Walnuts	0.01	(*)	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	Beans (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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
AL 3351	Bean hay	30			CXL	2016	49		2017	
VD 0071	Beans (dry)	0.4			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	
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	

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	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)			CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2016	49		2017	
VC	0046	Melons, except watermelon			CXL	2016	49		2017	
ML	0106	Milks			CXL	2016	49		2017	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2016	49		2017	
AL	3353	Pea hay		(dw)	CXL	2016	49		2017	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2017	50		2018	
SO	0697	Peanut			CXL	2016	49		2017	
AL	3352	Peanut hay		(dw)	CXL	2016	49		2017	
VD	0072	Peas (dry)			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	
VO	0051	Peppers (subgroup)			CXL	2016	49		2017	
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
FI	0353	Pineapple			3	2022	54			
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			3	2022	54			
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	40	(dw)	CXL	2016	49		2017	
FB	0275	Strawberry	1.5		CXL	2016	49		2017	
SO	2091	Sunflower seeds (subgroup)	0.8		3	2022	54			
VO	0447	Sweet corn (corn-on-the-cob)	0.05		CXL	2016	49		2017	
VR	0508	Sweet potato	0.05		CXL	2016	49		2017	
VO	0448	Tomato	1		CXL	2016	49		2017	
CM	0654	Wheat bran, unprocessed	8		CXL	2016	49		2017	
CF	1210	Wheat germ	5		CXL	2016	49		2017	
CF	1212	Wheat wholemeal	5		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		CXL	2018	51		2019	
VC	0424	Cucumber	0.09		CXL	2015	48		2016	
MO	0105	Edible offal (mammalian)	0.15		CXL	2018	51		2019	
PE	0112	Eggs	0.02		CXL	2015	48		2016	
FC	0205	Lime	0.4		CXL	2018	51		2019	
GC	0645	Maize	0.01		CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)	2		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	2	(fat)	CXL	2018	51		2019	
VC	0046	Melons, except watermelon	0.4		CXL	2015	48		2016	
FM	0183	Milk fats	5		CXL	2018	51		2019	
ML	0106	Milks	0.15		CXL	2018	51		2019	
OR	0004	Orange oil, edible	8		CXL	2018	51		2019	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.3		CXL	2018	51		2019	
VO	0445	Peppers, sweet (including pimento or pimiento)	0.8		CXL	2015	48		2012	
FP	0009	Pome fruits (group)	1		CXL	2018	51		2019	
VR	0589	Potato	0.01	(*)	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	0.02	(fat)	CXL	2015	48		2016	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2015	48		2016	
VO	0448	Tomato	0.4		CXL	2015	48		2016	

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	2015	48		2016	
FB	0265	Cranberry	1.5		3	2022	54			
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	2017	50		2018	
SO	0495	Rape seed	0.15		3	2022	54			
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	
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-glucopyranosyloxyethyl)-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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DH 0722	Basil leaves, dried	80			CXL	2018	51		2019	
HH 0722	Basil, leaves	10			CXL	2018	51		2019	
VB 0400	Broccoli	1.5			CXL	2016	49		2017	
VB 0041	Cabbages, head	0.7			CXL	2016	49		2017	
FB 2005	Cane berries (subgroup)	0.5			CXL	2018	51		2018	
VB 0404	Cauliflower	0.3			CXL	2016	49		2017	
FC 0001	Citrus fruits (group)	0.05			CXL	2018	51		2018	
OR 0001	Citrus oil, edible	3			CXL	2018	51		2019	
AB 0001	Citrus pulp, dried	0.15			CXL	2018	51		2019	
PE 0112	Eggs	0.01		(*)	CXL	2018	51		2019	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL	2016	49		2017	
VO 0050	Fruiting vegetables, other than cucurbits (group)	0.4		(except sweetcorn and mushrooms)	CXL	2016	49		2017	
VA 0381	Garlic	0.04			CXL	2016	49		2017	
VA 0382	Garlic, great-headed	0.04			CXL	2016	49		2017	
DV 0604	Ginseng, dried including red ginseng	0.15			CXL	2016	49		2017	
DF 0269	Grape, dried (= Currants, Raisins and Sultanas)	1.3			CXL	2016	49		2017	
FB 0269	Grapes	0.9			CXL	2016	49		2017	
VL 0054	Leaves of Brassicaceae (subgroup)	10			CXL	2018	51		2019	
VA 0384	Leek	2			CXL	2016	49		2017	
VL 0482	Lettuce, head	3			CXL	2016	49		2017	
VL 0483	Lettuce, leaf	5			CXL	2016	49		2017	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
AL 0061	Bean fodder	0.3 (dw)			CXL	2016	49		2017	
VD 0071	Beans (dry)	0.05			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 kale)	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	
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	

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)	0.2	(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. 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)	0.5			3	2022	54			
VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.15		(*)	3	2022	54			
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	3			CXL	2016	49		2017	
VR 0463	Cassava	0.02		(*)	CXL	2016	49		2017	
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		(*)	3	2022	54			
MO 0105	Edible offal (mammalian)	0.3			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.3			3	2022	54			
VO 0440	Eggplant	0.7			CXL	2016	49		2017	
PE 0112	Eggs	0.02			CXL	2016	49		2017	
PE 0112	Eggs	0.02			3	2022	54			
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	
MF 0100	Mammalian fats (except milk fats)	0.15			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)			3	2022	54			
FI	0345	Mango			3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	F		CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)			3	2022	54			
VC	0046	Melons, except watermelon			CXL	2016	49		2017	
ML	0106	Milks			CXL	2016	49		2017	
ML	0106	Milks			3	2022	54			
VO	0442	Okra			CXL	2016	49		2017	
OR	0004	Orange oil, edible			3	2022	54			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			3	2022	54			
FI	0350	Papaya			3	2022	54			
VO	0443	Pepino			CXL	2016	49		2017	
VO	0051	Peppers (subgroup)			CXL	2016	49		2017	
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	2016	49		2017	
PF	0111	Poultry fats			3	2022	54			
PM	0110	Poultry meat			CXL	2016	49		2017	
PM	0110	Poultry meat			3	2022	54			
PO	0111	Poultry, edible offal of			CXL	2016	49		2017	
PO	0111	Poultry, edible offal of			3	2022	54			
AL	3538	Soya bean, hulls		(*)	3	2022	54			
AL	3539	Soya bean, meal		(*)	3	2022	54			
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.3		CXL	2019	52		2021	
VO	0051	Peppers (subgroup)	0.15	(except martynia, okra and roselle)	CXL	2019	52		2021	
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	(excluding Japanese persimmons)	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	
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		3	2022	54			
FI	0326	Avocado	0.15		3	2022	54			
FB	2006	Bush berries (subgroup)	0.8		3	2022	54			
FB	2005	Cane berries (subgroup)	0.7		3	2022	54			
FS	0013	Cherries (subgroup)	2		CXL	2017	50		2018	
OR	0001	Citrus oil, edible	40		3	2022	54			
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	2019	52		2021	
MO	0105	Edible offal (mammalian)	0.02	(*)	3	2022	54			
VO	2046	Eggplants (subgroup)	0.3		3	2022	54			
VC	0045	Fruiting vegetables, cucurbits (group)	0.3		3	2022	54			
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	1.5		3	2022	54			
DH	1100	Hops, dry	30		CXL	2017	50		2018	
FC	0002	Lemons and limes (including citron) (subgroup)	0.3		3	2022	54			
FB	2009	Low growing berries (subgroup)	2		3	2022	54			
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	3	2022	54			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.3		3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*) (fat)	CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*) (fat)	3	2022	54			
FM	0183	Milk fats	0.02	(*)	CXL	2019	52		2021	
FM	0183	Milk fats	0.02	(*) (fat)	3	2022	54			
ML	0106	Milks	0.02	(*)	CXL	2019	52		2021	
ML	0106	Milks	0.02	(*) (fat)	3	2022	54			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		3	2022	54			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	2001	Peaches (including apricots and nectarine) (subgroup)			3	2022	54			
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	3	2022	54			
HS	0444	Peppers chili, dried			3	2022	54			
FS	0014	Plums (including fresh prunes) (subgroup)			3	2022	54			
DF	0014	Prunes			3	2022	54			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			3	2022	54			
FB	2008	Small fruit vine climbing (subgroup)			3	2022	54			
VO	2045	Tomatoes (subgroup)			3	2022	54			
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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 pimienta)	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 Natamicyn

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-aluminum 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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0326	Avocado	20			CXL	2017	50		2018	
FB 0264	Blackberries	70		(based on Fosetyl-AI use)	CXL	2019	52		2021	
SB 0716	Coffee beans	30		(based on Fosetyl-AI use)	CXL	2019	52		2021	
VC 0424	Cucumber	60			CXL	2017	50		2018	
MO 0105	Edible offal (mammalian)	0.5			CXL	2017	50		2018	
PE 0112	Eggs	0.05 (*)			CXL	2019	52		2021	
VB 0042	Flowerhead brassicas (subgroup)	0.2 (*)		(based on Fosetyl use)	CXL	2019	52		2021	
FB 0269	Grapes	60			CXL	2017	50		2018	
VB 2036	Head brassicas	0.2 (*)		(based on Fosetyl use)	CXL	2019	52		2021	
DH 1100	Hops, dry	1500			CXL	2017	50		2018	
VL 0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	0.2 (*)		(based on Fosetyl use)	CXL	2019	52		2021	
FI 0341	Kiwifruit	150		(based on Fosetyl-AI use)	CXL	2019	52		2021	
VL 0482	Lettuce, head	200			CXL	2017	50		2018	
VL 0483	Lettuce, leaf	40			CXL	2017	50		2018	
MF 0100	Mammalian fats (except milk fats)	0.3			CXL	2019	52		2021	
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	50			CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.15			CXL	2017	50		2018	
VC 0046	Melons, except watermelon	60			CXL	2017	50		2018	
ML 0106	Milks	0.1			CXL	2017	50		2018	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0353	Pineapple		(based on Fosetyl-AI use)	CXL	2019	52		2021	
FP	0009	Pome fruits (group)			CXL	2017	50		2018	
PF	0111	Poultry fats			CXL	2019	52		2021	
PM	0110	Poultry meat			CXL	2019	52		2021	
PO	0111	Poultry, edible offal of			CXL	2019			2021	
VL	0502	Spinach			CXL	2017	50		2018	
VC	0431	Squash, summer			CXL	2017	50		2018	
FB	0275	Strawberry			CXL	2017	50		2018	
VO	0448	Tomato			CXL	2017	50		2018	
TN	0085	Tree nuts (group)			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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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-[(3-hydroxy-4-methoxypyridin-2-yl)carbonyl]-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, offal 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 Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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: See JMPR Report, Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: Not established

ARfD: Not established

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

Commodity Code	Commodity Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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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-dimethylphenoxy)methyl]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-methylphenoxy)methyl]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-dimethylphenoxy)methyl]phenyl)-2-methoxy-N-methylacetamide (4-OH-mandestrobin), and its conjugates, expressed as parent compound.

The residue is fat-soluble.

Note: The 2018 JMPR was unable to complete an evaluation for residues (Chapter 2.2, 2018 JMPR).

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	
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2009	Low growing berries (subgroup)		(except cranberries)	CXL	2021	53		2022	
GC	2091	Maize cereals (subgroup)			CXL	2019	52		2021	
CF	1255	Maize flour			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		CXL	2021	53		2022	
DV	0589	Potato, flakes/granules	0.5		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	
VR	2070	Root vegetables (subgroup)	0.3		CXL	2021	53		2022	
VO	0446	Roselle	0.02		CXL	2019	52		2021	
AS	0650	Rye straw and fodder, dry	50	(dw)	CXL	2019	52		2021	
FB	2008	Small fruit vine climbing (subgroup)	1.5		CXL	2018	51		2019	
SO	2090	Small seed oilseeds (subgroup)	0.9		CXL	2019	52		2021	
GC	0651	Sorghum grain	3		CXL	2021	53		2022	
GC	2089	Sorghum grain and millet (subgroup)	0.03	(except sorghum grain)	CXL	2021	53		2022	
AS	3562	Sorghum, hay and/or straw	10	(dw)	CXL	2021	53		2022	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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)	40	(dw)	CXL	2021	53		2022	
SO	2091	Sunflower seeds (subgroup)	0.5		CXL	2021	53		2022	
GC	2090	Sweet corns (subgroup)	0.03		CXL	2019	52		2021	
DV	0448	Tomato, dried	7		CXL	2019	52		2021	
TN	0085	Tree nuts (group)	0.05		CXL	2021	53		2022	
AS	0653	Triticale, hay and/or straw	50	(dw)	CXL	2019	52		2021	
VR	2071	Tuberous and corm vegetables (subgroup)	0.1		CXL	2019	52		2021	
VP	2064	Underground immature beans and peas (subgroup)	0.02		(based on rotational crops)	CXL	2021	53		2022
CF	0654	Wheat bran, processed	1		CXL	2019	52		2021	
CF	1210	Wheat germ	0.6		CXL	2019	52		2021	
AS	0654	Wheat, hay and/or straw	50	(dw)	CXL	2019	52		2021	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)	0.4		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-[(cyclopropanecarbonyl)oxy]-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- [(cyclopropylcarbonyl)oxy]- 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- [(cyclopropylcarbonyl)oxy]- N, N, N-trimethylpropan-1- aminium chloride (CPCA-carnitine conjugate/M060) +

[(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-(cyclopropylcarbonyl)oxy]-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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 1020	Alfalfa, hay and/or straw	8 (dw)			3	2022	54			
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)			3	2022	54			
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)	0.2			CXL	2019	52		2021	
MO 0105	Edible offal (mammalian)	0.3			3	2022	54			
VO 2046	Eggplants (subgroup)	0.15			CXL	2019	52		2021	
PE 0112	Eggs	0.01 (*)			CXL	2019	52		2021	
PE 0112	Eggs	0.03			3	2022	54			
VB 0042	Flowerhead brassicas (subgroup)	0.4			CXL	2019	52		2021	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)			CXL	2019	52		2021	
HS	0784	Ginger, rhizome		(fresh)	CXL	2019	52		2021	
AS	0162	Hay and/or straw of grasses for animal feed (subgroup)			3	2022	54			
VL	2050	Leafy greens (subgroup)			CXL	2019	52		2021	
VL	0054	Leaves of Brassicaceae (subgroup)			CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)			CXL	2019	52		2021	
MF	0100	Mammalian fats (except milk fats)			3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)			CXL	2019	52		2021	
MM	0095	Meat (from mammals other than marine mammals)			3	2022	54			
ML	0106	Milks			CXL	2019	52		2021	
ML	0106	Milks			3	2022	54			
OR	0004	Orange oil, edible		(Based on processing studies on oranges)	CXL	2019	52		2021	
HH	0740	Parsley, leaves		(leaves)	CXL	2019	52		2021	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2019	52		2021	
VO	0051	Peppers (subgroup)		(excluding martynia, okra and roselle)	CXL	2019	52		2021	
HS	0444	Peppers chili, dried			CXL	2019	52		2021	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2019	52		2021	
FP	0009	Pome fruits (group)		(excluding persimmon)	CXL	2019	52		2021	
PF	0111	Poultry fats			CXL	2019	52		2021	
PF	0111	Poultry fats			3	2022	54			
PM	0110	Poultry meat			CXL	2019	52		2021	
PM	0110	Poultry meat			3	2022	54			
PO	0111	Poultry, edible offal of			CXL	2019	52		2021	
PO	0111	Poultry, edible offal of			3	2022	54			
GC	0651	Sorghum grain			3	2022	54			
AS	3561	Sorghum, stover			3	2022	54			
VD	0541	Soya bean (dry)			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			3	2022	54			
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

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	(*)						
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
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

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

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	(*)	3	2022	54			
MF	0100	Mammalian fats (except milk fats)	0.1	(*)	3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.1	(*) (fat)	3	2022	54			
ML	0106	Milks	0.01	(*)	3	2022	54			
VD	0541	Soya bean (dry)	0.1		3	2022	54			

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 mefentrifluconazole equivalents. The molecular weight conversion factor to express M750F022 in mefentrifluconazole equivalents = 1.15.

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	4			3	2022	54			
AB 0226	Apple pomace, dried	15			3	2022	54			
FI 0326	Avocado	1			3	2022	54			
FI 0327	Banana	1.5			3	2022	54			
GC 0640	Barley	3			3	2022	54			
CM 3510	Barley bran, unprocessed	15			3	2022	54			
CF 3511	Barley, flour	15			3	2022	54			
VP 2060	Beans with pods (subgroup)	0.05		(succulent seeds in pods) (except soya bean)	3	2022	54			
VA 2031	Bulb onions (subgroup)	0.2			3	2022	54			
FB 2006	Bush berries (subgroup)	5			3	2022	54			
FB 2005	Cane berries (subgroup)	3			3	2022	54			
FS 0013	Cherries (subgroup)	5			3	2022	54			
OR 0001	Citrus oil, edible	70			3	2022	54			
SB 0716	Coffee beans	0.4			3	2022	54			
SO 0691	Cotton seed	0.2			3	2022	54			
AS 3564	Dried distiller's grain from barley	8			3	2022	54			
VD 2065	Dry beans (subgroup)	0.07		(except soya bean (dry))	3	2022	54			
VD 2066	Dry peas (subgroup)	0.15		(except lentil (dry))	3	2022	54			
MO 0105	Edible offal (mammalian)	2			3	2022	54			
VO 2046	Eggplants (subgroup)	1.5			3	2022	54			
PE 0112	Eggs	0.04			3	2022	54			
FB 0267	Elderberries	5			3	2022	54			
VC 2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.15			3	2022	54			
VC 2040	Fruiting vegetables, cucurbits - melons, pumpkins and winter squashes (subgroup)	0.5			3	2022	54			
AB 0269	Grape pomace, dried	9			3	2022	54			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	2032	Green onions (subgroup)	4		3	2022	54			
FB	2254	Guelder rose	5		3	2022	54			
VL	2050	Leafy greens (subgroup)	30		3	2022	54			On the basis of the information provided to the JMPR 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.
VL	0054	Leaves of Brassicaceae (subgroup)	30		3	2022	54			On the basis of the information provided to the JMPR 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.
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		3	2022	54			
VD	0533	Lentil (dry)	1.5		3	2022	54			
FB	2009	Low growing berries (subgroup)	2		3	2022	54			
GC	0645	Maize	0.01	(*)	3	2022	54			
MF	0100	Mammalian fats (except milk fats)	1.5		3	2022	54			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	1.5		3	2022	54			
FI	0345	Mango	0.6		3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.15	(fat)	3	2022	54			
ML	0106	Milks	0.1		3	2022	54			
GC	0646	Millet	2		3	2022	54			
GC	0647	Oats	3		3	2022	54			

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)	1		3	2022	54			
FI	0350	Papaya	0.5		3	2022	54			
AL	0072	Pea, hay and/or straw	30	(dw)	3	2022	54			
FS	2001	Peaches (including apricots and nectarine) (subgroup)	2		3	2022	54			
SO	0697	Peanut	0.01	(*)	3	2022	54			
AL	0697	Peanut, hay and/or straw	40	(dw)	3	2022	54			
VP	2061	Peas with pods (subgroup)	0.15		3	2022	54			
VO	0051	Peppers (subgroup)	1.5		3	2022	54			(except martynia, okra and roselle)
HS	0444	Peppers chili, dried	15		3	2022	54			
FS	0014	Plums (including fresh prunes) (subgroup)	1.5		3	2022	54			
FP	0009	Pome fruits (group)	1.5		3	2022	54			(except persimmon, Japanese)
GC	0656	Popcorn	0.01	(*)	3	2022	54			
PF	0111	Poultry fats	0.2		3	2022	54			
PM	0110	Poultry meat	0.03	(fat)	3	2022	54			
PO	0111	Poultry, edible offal of	0.7		3	2022	54			
DF	0014	Prunes	7		3	2022	54			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.5		3	2022	54			
GC	0649	Rice	5		3	2022	54			
CM	0649	Rice, husked	1.5		3	2022	54			
VR	2070	Root vegetables (subgroup)	0.5		3	2022	54			(except sugar beet)
GC	0650	Rye	0.4		3	2022	54			
SO	2090	Small seed oilseeds (subgroup)	1		3	2022	54			
GC	0651	Sorghum grain	2		3	2022	54			
VD	0541	Soya bean (dry)	0.4		3	2022	54			
AL	0541	Soya bean, hay and/or straw	20	(dw)	3	2022	54			
AS	0081	Straw and hay of cereal grains (excluding pseudocereals) (subgroup)	50	(dw)	3	2022	54			
VP	2062	Succulent beans without pods (subgroup)	0.03		3	2022	54			(succulent seeds) (except soya bean)
VP	2063	Succulent peas without pods (subgroup)	0.01	(*)	3	2022	54			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GS	0659	Sugar cane			3	2022	54			
SO	2091	Sunflower seeds (subgroup)			3	2022	54			
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)			3	2022	54			
DV	0448	Tomato, dried			3	2022	54			
VO	2045	Tomatoes (subgroup)			3	2022	54			
TN	0085	Tree nuts (group)			3	2022	54			
GC	0653	Triticale			3	2022	54			
VR	2071	Tuberous and corm vegetables (subgroup)			3	2022	54			
GC	0654	Wheat			3	2022	54			
CF	3521	Wheat aspirated grain fractions			3	2022	54			
CM	0654	Wheat bran, unprocessed			3	2022	54			
CF	1210	Wheat germ			3	2022	54			
CF	3515	Wheat, shorts (cereal grain milling by-product)			3	2022	54			
FB	1236	Wine-grapes			3	2022	54			

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	(except martynia, okra, 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)	3	2022	54			
VB	0041	Cabbages, head	2		3	2022	54			
AS	3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.2	(dw)	3	2022	54			(excluding rice, maize/field corn and sweet corn)
FS	0013	Cherries (subgroup)	1.5		3	2022	54			
MO	0105	Edible offal (mammalian)	1		3	2022	54			
PE	0112	Eggs	0.01	(*)	3	2022	54			
VB	0042	Flowerhead brassicas (subgroup)	0.5		3	2022	54			
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.4		3	2022	54			(except okra, martynia and roselle)
DF	0269	Grape, dried (= Currants, Raisins and Sultanas)	2		3	2022	54			
VL	0054	Leaves of Brassicaceae (subgroup)	15		3	2022	54			
AL	3301	Legume feeds with low water (<20%) content (hay) (subgroup)	0.3	(dw)	3	2022	54			
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		3	2022	54			
GC	2091	Maize cereals (subgroup)	0.015		3	2022	54			
AS	3558	Maize, stover	30	(dw)	3	2022	54			
MF	0100	Mammalian fats (except milk fats)	0.15		3	2022	54			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	1		3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.1		3	2022	54			
ML	0106	Milks	0.15		3	2022	54			
OR	0004	Orange oil, edible	5		3	2022	54			

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)	0.5		3	2022	54			
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.7		3	2022	54			
HS	0444	Peppers chili, dried	4		3	2022	54			
FS	0014	Plums (including fresh prunes) (subgroup)	0.3		3	2022	54			
FP	0009	Pome fruits (group)	0.4	(excluding persimmon, Japanese)	3	2022	54			
PF	0111	Poultry fats	0.01	(*)	3	2022	54			
PM	0110	Poultry meat	0.01	(*)	3	2022	54			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2022	54			
DF	0014	Prunes	1.5		3	2022	54			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.9		3	2022	54			
GC	2088	Rice cereals (subgroup)	0.02		3	2022	54			
AS	0649	Rice, hay and/or straw	20	(dw)	3	2022	54			
CM	0649	Rice, husked	0.01	(*)	3	2022	54			
CM	1205	Rice, polished	0.01	(*)	3	2022	54			
FB	2008	Small fruit vine climbing (subgroup)	1.5		3	2022	54			
VD	0541	Soya bean (dry)	0.2		3	2022	54			
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	3	2022	54			
DM	0448	Tomato, puree	1.5	(tomato paste)	3	2022	54			
TN	0085	Tree nuts (group)	0.03		3	2022	54			
VR	2071	Tuberous and corm vegetables (subgroup)	0.02		3	2022	54			

325 Benzpyrimoxan

Main Uses: Insecticide

ADI: 0–0.1 mg/kg bw (2022)

ARfD: Unnecessary (2022)

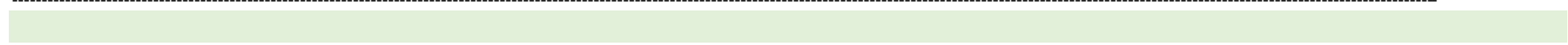
Residue: For compliance with the MRL for plant commodities: Benzpyrimoxan.

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		3	2022	54			
GC	0080	Cereal grains (group)	0.001	(*)		3	2022	54		
AS	3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.01	(dw)		3	2022	54		(except rice feed products)
VL	0466	Chinese cabbage (type pack-choi)	2		3	2022	54			
SB	0716	Coffee beans	0.01		3	2022	54			
MO	0105	Edible offal (mammalian)	0.03		3	2022	54			
PE	0112	Eggs	0.03		3	2022	54			
CF	1255	Maize flour	0.002		3	2022	54			
AS	3569	Maize, bran	0.002		3	2022	54			
MF	0100	Mammalian fats (except milk fats)	0.15		3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.15	(fat)	3	2022	54			
FM	0183	Milk fats	0.4		3	2022	54			
ML	0106	Milks	0.015		3	2022	54			
PF	0111	Poultry fats	0.15		3	2022	54			
PM	0110	Poultry meat	0.02	(*)	3	2022	54			
PO	0111	Poultry, edible offal of	0.03		3	2022	54			
VR	0591	Radish, Japanese	0.01		3	2022	54			
VR	2071	Tuberous and corm vegetables (subgroup)	0.04		3	2022	54			
CF	1210	Wheat germ	0.002		3	2022	54			

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 hydrolyzed using acid to IN-A5760, IN-F4106, IN-QZY47 and IN-TMQ01 (expressed as fluazaindolizine) OR compounds containing the phenyl ring and hydrolyzed 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 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)	0.02			3	2022	54			
VA 0035	Bulb vegetables (group)	0.04			3	2022	54			
VR 0577	Carrot	0.4			3	2022	54			
GC 0080	Cereal grains (group)	0.03			3	2022	54			
AS 3304	Cereal grains (including pseudocereals) feed products with low water (<20%) content (hay and/or straw) (subgroup)	0.09	(dw)		3	2022	54			
MO 0105	Edible offal (mammalian)	0.01			3	2022	54			
VO 2046	Eggplants (subgroup)	0.15			3	2022	54			
PE 0112	Eggs	0.01	(*)		3	2022	54			
VC 2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)	0.15			3	2022	54			
VC 2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)	0.1			3	2022	54			
VL 0053	Leafy vegetables (group)	0.04			3	2022	54			
AL 3301	Legume feeds with low water (<20%) content (hay) (subgroup)	0.17	(dw)		3	2022	54			
MF 0100	Mammalian fats (except milk fats)	0.01	(*)		3	2022	54			

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	(*)	3	2022	54			
FM	0183	Milk fats	0.01	(*)	3	2022	54			
ML	0106	Milks	0.01	(*)	3	2022	54			
SO	0088	Oilseeds and oilfruits (group)	0.04		3	2022	54			
VO	0051	Peppers (subgroup)	0.03		3	2022	54			(except martynia, okra, roselle)
HS	0444	Peppers chili, dried	0.3		3	2022	54			
PF	0111	Poultry fats	0.01	(*)	3	2022	54			
PM	0110	Poultry meat	0.01	(*)	3	2022	54			
PO	0111	Poultry, edible offal of	0.02		3	2022	54			
VD	0070	Pulses (group)	0.09		3	2022	54			
AM	3583	Rape seed, hay and/or straw	0.05	(dw)	3	2022	54			
VR	2070	Root vegetables (subgroup)	0.04		3	2022	54			(except carrot)
VS	0078	Stalk and stem vegetables	0.04		3	2022	54			
FB	0275	Strawberry	0.015		3	2022	54			
DV	0448	Tomato, dried	0.5		3	2022	54			
VO	2045	Tomatoes (subgroup)	0.15		3	2022	54			
VR	2071	Tuberous and corm vegetables (subgroup)	0.2		3	2022	54			

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)			3	2022	54			
GC	2091 Maize cereals (subgroup)	0.01 (*)			3	2022	54			
AS	3558 Maize, stover	5 (dw)			3	2022	54			
GC	2089 Sorghum grain and millet (subgroup)	1			3	2022	54			
AS	3561 Sorghum, stover	3 (dw)			3	2022	54			
GC	0447 Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01 (*)			3	2022	54			
AS	3563 Sweet corn, stover	30 (dw)			3	2022	54			
TN	0085 Tree nuts (group)	0.04			3	2022	54			
AS	0654 Wheat, hay and/or straw	15 (dw)			3	2022	54			
GC	2086 Wheat, similar grains, and pseudocereals without husks (subgroup)	0.4			3	2022	54			

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		3	2022	54			
MO	0105	Edible offal (mammalian)	0.02	(*)	3	2022	54			
PE	0112	Eggs	0.02	(*)	3	2022	54			
GC	0645	Maize	0.01	(*)	3	2022	54			
AS	3558	Maize, stover	0.02	(*)	3	2022	54			
MF	0100	Mammalian fats (except milk fats)	0.02	(*)	3	2022	54			
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	3	2022	54			
ML	0106	Milks	0.02	(*)	3	2022	54			
SO	0697	Peanut	0.01	(*)	3	2022	54			
AL	0697	Peanut, hay and/or straw	3		3	2022	54			
GC	0656	Popcorn	0.01	(*)	3	2022	54			
PF	0111	Poultry fats	0.02	(*)	3	2022	54			
PM	0110	Poultry meat	0.02	(*)	3	2022	54			
PO	0111	Poultry, edible offal of	0.02	(*)	3	2022	54			
CM	0649	Rice, husked	0.01	(*)	3	2022	54			
VD	0541	Soya bean (dry)	0.01	(*)	3	2022	54			
VR	0596	Sugar beet	0.01	(*)	3	2022	54			
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	3	2022	54			

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									

PART 2

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 3

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	