

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
the United Nations



World Health
Organization

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Agenda Item 6

CX/PR 21/52/5(REV)

July 2021

ORIGINAL LANGUAGE ONLY

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

52nd Session

(Virtual)

26-30 July and 3 August 2021

MAXIMUM RESIDUE LIMITS FOR PESTICIDES IN FOODS AND FEEDS

AT STEPS 7 AND 4

This document contains the following:

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

Note: Part I has been revised to correct some code numbers and commodity names and to include missing MRLs related to the extraordinary and regular meetings of JMPR held in 2019. In addition, Part I has been reorganized to facilitate the consideration of MRLs arising from the JMPR meetings in 2019. Parts II and III remain unchanged.

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

3. STEP NUMBERS

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

4. REFERENCES

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

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

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

5. JMPR EVALUATIONS

T : Toxicological Evaluation

R : Residue Evaluation

only year : Both toxicological and residue evaluations

after year : Periodic Review

brackets : Tentative year for JMPR evaluation

6. REPORTS OF CCPR SESSIONS

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

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

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 ALDRIN AND DIELDRIN (1)
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 AMINOCARB (134)
 AMINOCYCLOPYRACHLOR (272)
 AMINOMETHYL PHOPHONIC ACID (AMPA) (198)
 AMINOPYRALID (220)
 AMITRAZ (122)
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 ANILAZINE (163)
 AZINPHOS-ETHYL (68)
 AZINPHOS-METHYL (2)
 AZOCYCLOTIN (129)
 AZOXYSTROBIN (229)
 BENALAXYL (155)
 BENDIOCARB (137)
 BENOMYL (69)
 BENTAZONE (172)
 BENZOVINDIFLUPYR (261)
 BETA CYFLUTHRIN (228)
 BICYCLOPYRONE (295)
 BIFENAZATE (219)
 BIFENTHRIN (178)
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 BIORESMETHRIN (93)
 BITERTANOL (144)
 BIXAFEN (262)
 BOSCALID (221)
 BROMIDE ION (47)
 BROMOPHOS (4)
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 BROMOPROPYLATE (70)
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 CAMPHECHLOR (71)
 CAPTAFOL (6)
 CAPTAN (7)
 CARBARYL (8)
 CARBENDAZIM (72)
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 CARBON DISULPHIDE (9)
 CARBON TETRACHLORIDE (10)
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4	BROMOPHOS	51	METHIDATHION	98	DIALIFOS
5	BROMOPHOS-ETHYL	52	METHYL BROMIDE	99	EDIFENPHOS
6	CAPTAFOL	53	MEVINPHOS	100	METHAMIDOPHOS
7	CAPTAN	54	MONOCROTOPHOS	101	PIRIMICARB
8	CARBARYL	55	OMETHOATE	102	MALEIC HYDRAZIDE
9	CARBON DISULPHIDE	56	2-PHENYLPHENOL	103	PHOSMET
10	CARBON TETRACHLORIDE	57	PARAQUAT	104	DAMINOZIDE
11	CARBOPHENOTHION	58	PARATHION	105	DITHIOCARBAMATES
12	CHLORDANE	59	PARATHION-METHYL	106	ETHEPHON
13	CHLORDIMEFORM	60	PHOSALONE	107	ETHIOFENCARB
14	CHLORFENVINPHOS	61	PHOSPHAMIDON	108	ETHYLENE THIOUREA (ETU)
15	CHLORMEQUAT	62	PIPERONYL BUTOXIDE	109	FENBUTATIN OXIDE
16	CHLOROBENZILATE	63	PYRETHRINS	110	IMAZALIL
17	CHLORPYRIFOS	64	QUINTOZENE	111	IPRODIONE
18	COUMAPHOS	65	THIABENDAZOLE	112	PHORATE
19	CRUFOMATE	66	TRICHLORFON	113	PROPARGITE
20	2,4-D	67	CYHEXATIN	114	GUAZATINE
21	DDT	68	AZINPHOS-ETHYL	115	TECNAZENE
22	DIAZINON	69	BENOMYL	116	TRIFORINE
23	1,2-DIBROMOETHANE	70	BROMOPROPYLATE	117	ALDICARB
24	1,2-DICHLOROETHANE	71	CAMPHECHLOR	118	CYPERMETHRIN
25	DICHLORVOS	72	CARBENDAZIM	119	FENVALERATE
26	DICOFOL	73	DEMETON-S-METHYL	120	PERMETHRIN
27	DIMETHOATE	74	DISULFOTON	121	2,4,5-T
28	DIOXATHION	75	PROPOXUR	122	AMITRAZ
29	DIPHENYL	76	THIOMETON	123	ETRIMFOS
30	DIPHENYLAMINE	77	THIOPHANATE-METHYL	124	MECARBAM
31	DIQUAT	78	VAMIDOTHION	125	METHACRIFOS
32	ENDOSULFAN	79	AMITROLE	126	OXAMYL
33	ENDRIN	80	CHINOMETHIONAT	127	PHENOTHRIN
34	ETHION	81	CHLOROTHALONIL	128	PHENTHOATE
35	ETHOXYQUIN	82	DICHLOFUANID	129	AZOCYCLOTIN
36	FENCHLORPHOS	83	DICLORAN	130	DIFLUBENZURON
37	FENITROTHION	84	DODINE	131	ISOFENPHOS
38	FENSULFOTHION	85	FENAMIPHOS	132	METHIOCARB
39	FENTHION	86	PIRIMIPHOS-METHYL	133	TRIADIMEFON
40	FENTIN	87	DINOCAP	134	AMINOCARB
41	FOLPET	88	LEPTOPHOS	135	DELTAMETHRIN
42	FORMOTHION	89	SEC-BUTYLAMINE	136	PROCYMIDONE
43	HEPTACHLOR	90	CHLORPYRIFOS-METHYL	137	BENDIOCARB
44	HEXACHLOROENZENE	91	CYANOFENPHOS	138	METALAXYL
45	HYDROGEN CYANIDE	92	DEMETON	139	BUTOCARBOXIM
46	HYDROGEN PHOSPHIDE	93	BIORESMETHRIN	140	NITROFEN
47	BROMIDE ION	94	METHOMYL	141	PHOXIM

142	PROCHLORAZ	190	TEFLUBENZURON	238	CLOTHIANIDIN
143	TRIAZOPHOS	191	TOLCLOFOS-METHYL	239	CYPROCONAZOLE
144	BITERTANOL	192	FENARIMOL	240	DICAMBA
145	CARBOSULFAN	193	FENPYROXIMATE	241	ETOXAZOLE
146	CYHALOTHRIN	194	HALOXYFOP	242	FLUBENDIAMIDE
147	METHOPRENE	195	FLUMETHRIN	243	FLUOPYRAM
148	PROPAMOCARB	196	TEBUFENOZIDE	244	MEPTYLDINOCAP
149	ETHOPROPHOS	197	FENBUCONAZOLE	245	THIAMETHOXAM
150	PROPYLENE THIOUREA (PTU)	198	AMINOMETHYL PHOPHONIC ACID (AMPA)	246	ACETAMIPRID
151	DIMETHIPIN	199	KRESOXIM-METHYL	247	EMAMECTIN BENZOATE
152	FLUCYTHRINATE	200	PYRIPROXYFEN	248	FLUTRIAFOL
153	PYRAZOPHOS	201	CHLORPROPHAM	249	ISOPYRAZAM
154	THIODICARB	202	FIPRONIL	250	PROPYLENE OXIDE
155	BENALAXYL	203	SPINOZAD	251	SAFLUFENACIL
156	CLOFENTEZINE	204	ESFENVALERATE	252	SULFOXAFLOL
157	CYFLUTHRIN	205	FLUTOLANIL	253	PENTHIOPYRAD
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160	PROPICONAZOLE	208	FAMOXADONE	256	FLUXAPYROXAD
161	PACLOBUTRAZOL	209	METHOXYFENOZIDE	257	MCPA
162	TOLYLFLUANID	210	PYRACLOSTROBIN	258	PICOXYSTROBIN
163	ANILAZINE	211	FLUDIOXONIL	259	SEDAXANE
164	DEMETON-S-METHYLSULPHON	212	METALAXYL-M	260	AMETOCTRADIN
165	FLUSILAZOLE	213	TRIFLOXYSTROBIN	261	BENZOVINDIFLUPYR
166	OXYDEMETON-METHYL	214	DIMETHENAMID-P	262	BIXAFEN
167	TERBUFOS	215	FENHEXAMID	263	CYANTRANILIPROLE
168	TRIADIMENOL	216	INDOXACARB	264	FENAMIDONE
169	CYROMAZINE	217	NOVALURON	265	FLUENSULFONE
170	HEXACONAZOLE	218	SULFURYL FLUORIDE	266	IMAZAPIC
171	PROFENOFOS	219	BIFENAZATE	267	IMAZAPYR
172	BENTAZONE	220	AMINOPYRALID	268	ISOXAFLUTOLE
173	BUPROFEZIN	221	BOSCALID	269	TOLFENPYRAD
174	CADUSAFOS	222	QUINOXYFEN	270	TRIFLUMIZOLE
175	GLUFOSINATE-AMMONIUM	223	THIACLOPRID	271	TRINEXAPAC-ETHYL
176	HEXYTHIAZOX	224	DIFENOCONAZOLE	272	AMINOCYCLOPYRACHLOR
177	ABAMECTIN	225	DIMETHOMORPH	273	CYFLUMETOFEN
178	BIFENTHRIN	226	PYRIMETHANIL	274	DICHLOBENIL
179	CYCLOXYDIM	227	ZOXAMIDE	275	FLUFENOXURON
180	DITHIANON	228	BETA CYFLUTHRIN	276	IMAZAMOX
181	MYCLOBUTANIL	229	AZOXYSTROBIN	277	MESOTRIONE
182	PENCONAZOLE	230	CHLORANTRANILIPROLE	278	METRAFENONE
183	PROPHAM	231	MANDIPROPAMID	279	PYMETROZINE
184	ETOFENPROX	232	PROTHIOCONAZOLE	280	ACETOCHLOR
185	FENPROPATHRIN	233	SPINETORAM	281	CYAZOFAMID
186	METIRAM	234	SPIROTETRAMATE	282	FLONICAMID
187	CLETHODIM	235	FLUOPICOLIDE	283	FLUAZIFOP-P-BUTYL
188	FENPROPIMORPH	236	METAFLUMIZONE	284	FLUMIOXAZIN
189	TEBUCONAZOLE	237	SPIRODICLOFEN	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

**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	
34	Ethion	2004	
36	Fenclorphos	1991	
38	Fensulfothion	1995	
40	Fentin	2007	
42	Formothion	1995	
44	Hexachlorobenzene	1986	
45	Hydrogen Cyanide	1995	
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
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	
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	
140	Nitrofen	1987	
141	Phoxim	1999	

Code	Name	Year of Withdrawn by Codex Alimentarius Commission	Notes
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
198	Aminomethyl Phophonic 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 ANIMAL FEEDS

This file is organized as follows:

- **Part 1-A: Pesticides which are for consideration by CCPR52 arising from the JMPR 2019 evaluations in May and September 2019 (extraordinary/regular meetings)**
 - **New evaluations (new MRLs/compounds)**
 - **Other/additional evaluations (new/revised MRLs, revocation of CXLs – existing compounds)**
 - **Periodic review**
- **Part 1-B: Pesticides which are not for consideration by CCP52 presented for completeness/information only.**

For the consideration of Part 1-A, all MRLs arising from the JMPR evaluations in May and September 2019 (extraordinary/regular meetings) are grouped to facilitate their consideration.

Part 1-A: Pesticides which are for consideration by CCPR52 arising from the JMPR 2019 evaluations in May and September 2019 (extraordinary/regular meetings)

1. NEW EVALUATIONS (new MRLs/compounds)

312 Afidopyropen

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.08 mg/kg bw

ARfD: 0.2 mg/kg bw (for women of child-bearing age) (2019)

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

For dietary risk assessment for plant commodities: Sum of afidopyropen + dimer of [(3R,6R,6aR,12S,12bR)-3-[(cyclopropanecarbonyloxy)-6,12-dihydroxy-4,6a,12b-trimethyl-11-oxo-9-(pyridin-3-yl)-1,3,4,4a,5,6,6a,12,12a,12b-decahydro-2H,11H-naphtho[2,1-b]pyrano[3,4-e]pyran-4-yl]methyl rac-cyclopropanecarboxylate(M007), expressed as afidopyropen.

For compliance with the MRL for animal commodities: Afidopyropen.

For dietary risk assessment for animal commodities, excluding liver: Afidopyropen + (3S,4R,4aR,6S, 6aS, 12R,12aS,12bS)-3,6,12-trihydroxy-4-(hydroxymethyl)-4,6a,12b-trimethyl--9-(pyridin-3-yl)-1, 3,4,4a,5,6,6a,12, 12a,12b-decahydro-2H,11H-benzo- [f] pyrano[4,3-b]chromen-11-one (M001) + Cyclopropane carboxylic acid (CPCA/M061) and (2R)-3-carboxy-2- [(cyclopropylcarbonyloxy)- N, N, N-trimethylpropan-1- aminium chloride (CPCA-carnitine conjugate/M060), expressed as afidopyropen.

For dietary risk assessment for animal commodities, liver: Afidopyropen + (3S,4R,4aR,6S, 6aS, 12R,12aS,12bS)-3,6,12-trihydroxy-4-(hydroxymethyl)-4,6a,12b-trimethyl--9-(pyridin-3-yl)-1, 3,4,4a,5,6,6a,12, 12a,12b-decahydro-2H,11H-benzo- [f] pyrano[4,3-b]chromen-11-one (M001) + Cyclopropane carboxylic acid (CPCA/M061) and (2R)-3-carboxy-2- [(cyclopropylcarbonyloxy)- N, N, N-trimethylpropan-1- aminium chloride (CPCA-carnitine conjugate/M060) + [(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-(cyclopropylcarbonyloxy)-6,12-dihydroxy-4,6a,12b-trimethyl-9-(1-oxidopyridin-3-yl)-11-oxo-1,3,4,4a,5,6,6a,12,12a,12b-decahydro-2H,11H-benzo[f]pyrano[4,3-b]chromen-4-yl]methyl cyclopropane-carboxylate (M017), expressed as afidopyropen. The residue is not fat-soluble.

Note: ARfD: 0.3 mg/kg bw (for general population)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	0.6 (dw)			3	2019	52			
DF	0226 Apples, dried	0.02		(peeled)	3	2019	52			
VB	0041 Cabbages, head	0.5			3	2019	52			
FS	0013 Cherries (subgroup)	0.03			3	2019	52			
FC	0001 Citrus fruits (group)	0.15			3	2019	52			
AB	0001 Citrus pulp, dry	0.4		(Based on processing studies on oranges)	3	2019	52			
HH	3209 Coriander, leaves	5			3	2019	52			
AB	1204 Cotton gin trash	1.5			3	2019	52			
SO	0691 Cotton seed	0.08			3	2019	52			
VC	0424 Cucumber	0.7			3	2019	52			
HH	0730 Dill, leaves	5			3	2019	52			
MO	0105 Edible offal (mammalian)	0.2			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	2046	Eggplants (subgroup)			3	2019	52			
PE	0112	Eggs			3	2019	52			
VB	0042	Flowerhead brassicas (subgroup)			3	2019	52			
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)			3	2019	52			
HS	0784	Ginger, rhizomese		(fresh)	3	2019	52			
VL	2050	Leafy greens (subgroup)			3	2019	52			
VL	0054	Leaves of Brassicaceae			3	2019	52			
MF	0100	Mammalian fats (except milk fats)			3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)			3	2019	52			
ML	0106	Milks			3	2019	52			
OR	0004	Orange oil, edible		(Based on processing studies on oranges)	3	2019	52			The name of the food category for OR 0004 is orange oil, edible as opposed to Citrus oil (Annex I, JMPR 2019 regular meeting)
HH	0740	Parsley		(leaves)	3	2019	52			
FS	2001	Peaches (including apricots and nectarine) (subgroup)			3	2019	52			
VO	0051	Peppers (subgroup)		(excluding martynia, okra and roselle)	3	2019	52			
HS	0444	Peppers chili, dried			3	2019	52			
FS	0014	Plums (including fresh prunes) (subgroup)			3	2019	52			
FP	0009	Pome fruits (group)		(excluding persimmon)	3	2019	52			
PF	0111	Poultry fats			3	2019	52			
PM	0110	Poultry meat			3	2019	52			
PO	0111	Poultry, edible offal of			3	2019	52			
VD	0541	Soya bean (dry)			3	2019	52			
VC	0431	Squash, summer			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	2080	Stems and petioles (subgroup)	3		3	2019	52			
DV	0448	Tomato, dried	0.7		3	2019	52			
VO	2045	Tomatoes (subgroup)	0.15		3	2019	52			
TN	0085	Tree nuts (group)	0.01	(*)	3	2019	52			
VR	2071	Tuberous and corm vegetables (subgroup)	0.01	(*)	3	2019	52			
HS	0794	Turmeric, root	0.01	(*)						(fresh)

313 Metconazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0327	Banana	0.1 (*)			3	2019	52			
AS 0640	Barley straw and fodder, dry	25 (dw)			3	2019	52			
VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.05 (*)			3	2019	52			
FB 0020	Blueberries	0.5			3	2019	52			
FS 0013	Cherries (subgroup)	0.3			3	2019	52			
AB 1204	Cotton gin trash	10 (dw)			3	2019	52			
SO 0691	Cotton seed	0.3			3	2019	52			
VD 2065	Dry beans (subgroup)	0.04 (*)		(except soya beans)	3	2019	52			
VD 2066	Dry peas					(subgroup)	0.15	3	2019	52
MO 0105	Edible offal (mammalian)	0.04 (*)			3	2019	52			
PE 0112	Eggs	0.04 (*)			3	2019	52			
VA 0381	Garlic	0.05 (*)			3	2019	52			
GC 0645	Maize	0.015			3	2019	52			
AS 0645	Maize fodder (dry)	7 (dw)			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)	0.04	(*)	3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)	0.04	(*)	3	2019	52			
ML	0106	Milks	0.04	(*)	3	2019	52			
AS	0647	Oat straw and fodder, dry	25	(dw)	3	2019	52			
VA	0385	Onion, bulb	0.05	(*)	3	2019	52			
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.2		3	2019	52			
SO	0697	Peanut	0.04	(*)	3	2019	52			
OR	0697	Peanut oil, edible	0.06		3	2019	52			
FS	0014	Plums (including fresh prunes) (subgroup)	0.1		3	2019	52			
PF	0111	Poultry fats	0.04	(*)	3	2019	52			
PM	0110	Poultry meat	0.04	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.04	(*)	3	2019	52			
DF	0014	Prunes	0.5		3	2019	52			
SO	0495	Rape seed	0.15		3	2019	52			
OR	0495	Rape seed oil, edible	0.5		3	2019	52			
AS	0650	Rye straw and fodder, dry	25	(dw)	3	2019	52			
VD	0541	Soya bean (dry)	0.04		3	2019	52			
AL	3354	Soya bean hay	8	(dw)	3	2019	52			
VR	0596	Sugar beet	0.07		3	2019	52			
GS	0659	Sugar cane	0.06		3	2019	52			
SO	2091	Sunflower seeds (subgroup)	1.5		3	2019	52			
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.015		3	2019	52			
TN	0085	Tree nuts (group)	0.04	(*)	3	2019	52			
AS	0653	Triticale straw and fodder, dry	25	(dw)	3	2019	52			
VR	2071	Tuberous and corm vegetables (subgroup)	0.04	(*)	3	2019	52			
AS	0654	Wheat straw and fodder, dry	25	(dw)	3	2019	52			

314 Pyflubumide

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.007 mg/kg bw

ARfD: 0.008 mg/kg bw (2019)

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

For estimation of dietary risk assessment for plant commodities: Sum of pyflubumide and 3'-isobutyl-1,3,5-trimethyl-4'-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethyl]pyrazole-4-carboxanilide, expressed as pyflubumide.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	1			3	2019	52			On the basis of the information provided to JMPR, it was concluded that the estimated acute dietary exposure to residues of pyflubumide for the consumption of apple and tea may present a public health concern.
DT	1114 Tea, green, black (black, fermented and dried)	80			3	2019	52			On the basis of the information provided to JMPR, it was concluded that the estimated acute dietary exposure to residues of pyflubumide for the consumption of apple and tea may present a public health concern.

315 Pyridate

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.2 mg/kg bw

ARfD: 2 mg/kg bw (2019)

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

316 Pyrifluquinazon

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									

318 Valifenalate

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	(*)	3	2019	52			
VO	0440	Egg plant	0.4		3	2019	52			VO 0440 egg plant. VO 2046 Eggplants (Annex I, JMPR 2019 regular meeting indicar VO 0440 Eggplants - need clarification)
PE	0112	Eggs	0.01	(*)	3	2019	52			
FB	0269	Grapes	0.3		3	2019	52			
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	3	2019	52			
ML	0106	Milks	0.01	(*)	3	2019	52			
VA	0385	Onion, bulb	0.5		3	2019	52			
PF	0111	Poultry fats	0.01	(*)	3	2019	52			
PM	0110	Poultry meat	0.01	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2019	52			
VA	0388	Shallot	0.5		3	2019	52			
VO	0448	Tomato	0.4		3	2019	52			

Part 1-A: Pesticides which are for consideration by CCPR52 arising from the JMPR 2019 evaluations in May and September 2019 (extraordinary/regular meetings)

2. OTHER/ADDITIONAL EVALUATIONS (new/revised MRLs, revocation of CXLs – existing compounds)

65 Thiabendazole

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	2060	Beans with pods (subgroup)	0.01	(*)	3	2019	52			
VD	2065	Dry beans (subgroup)	0.01	(*)	3	2019	52			
VD	2066	Dry peas (subgroup)	0.01	(*)	3	2019	52			
FI	0345	Mango	7	Po	3	2019	52			
FI	0345	Mango	5	Po	CXL	00	35	34	2003	
VP	2061	Peas with pods (subgroup)	0.01	(*)	3	2019	52			
VP	2062	Succulent beans without pods (subgroup)	0.01	(*)	3	2019	52			
VP	2063	Succulent peas without pods (subgroup)	0.01	(*)	3	2019	52			
VR	0508	Sweet potato	9	Po	3	2019	52			
FI	0326	Avocado	15	Po	CXL	00	35	34	2003	
FI	0327	Banana	5	Po	CXL	97	31		1999	
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	
PE	0112	Eggs	0.1		CXL	97	33		2001	
VO	0450	Mushrooms	60		CXL	97	37	31-36	2005	
FI	0350	Papaya	10	Po	CXL	00	35	34	2003	
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	
VL	2832	Witloof chicory (sprouts)	0.05	(*)	CXL	97	31		1999	

81 Chlorothalonil

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.6 mg/kg bw (2009)

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

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

The residue is not fat-soluble.

Note: Chlorothalonil Metabolite SDS-3701

ADI: 0–0.008 mg/kg bw(2009)

ARfD: 0.03 mg/kg bw(2009)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0265 Cranberry	5			CXL					Withdrawal recommended (JMPR 2019). The CCPR decided to retain the CXL for four years under the periodic review, nothing the manufacturers would submit supporting data for these commodities (43-34). The CCPR agreed to maintain the CXL for cranberry, until the submission of data for evaluation by the 2018 JMPR.
FB	0265 Cranberry	15			3	2019	52			
FS	0013 Cherries (subgroup)	3			CXL	2015	48			2016
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
VC	0424 Cucumber	3			CXL	10	43			2011
FB	0021 Currants, black, red, white	20			CXL	10	43			2011

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)			CXL	10	43		2011	
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)			CXL	10	43		2011	
VC	0425	Gherkin			CXL	10	43		2011	
DV	0604	Ginseng, dried including red ginseng			CXL	2015	48		2016	
FB	0268	Gooseberry			CXL	10	43		2011	
FB	0269	Grapes			CXL	10	43		2011	
VR	0583	Horseradish			CXL	2015	48		2016	
VA	0384	Leek			CXL	10	43		2011	
MF	0100	Mammalian fats (except milk fats)			CXL	10	43		2011	
MM	0095	Meat (from mammals other than marine mammals)			CXL	10	43		2011	
VC	0046	Melons, except watermelon			CXL	10	43		2011	
ML	0106	Milks			CXL	10	43		2011	
VA	0385	Onion, bulb			CXL	2015	48		2016	
VA	0386	Onion, Chinese			CXL	10	43		2011	
VA	0387	Onion, Welsh			CXL	10	43		2011	
FI	0350	Papaya			CXL	10	43		2011	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2015	48		2016	
SO	0697	Peanut			CXL	10	43		2011	
VO	0051	Peppers (subgroup)			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			CXL	10	43		2011	
VS	0627	Rhubarb			CXL	2015	48		2016	
VR	0075	Root and tuber vegetables		(except horseradish)	CXL	2015	48		2016	
VA	0388	Shallot			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	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	

118 Cypermethrins (including alpha- and zeta- cypermethrin)

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0604 Ginseng	0.03 (*)			3	2019	52			
DV	0604 Ginseng, dried including red ginseng	0.15			3	2019	52			
DM	0604 Ginseng, extracts	0.06 (*)			3	2019	52			
AL	1020 Alfalfa fodder	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	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.5			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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0440	Egg plant			CXL	08	41		2009	
PE	0112	Eggs		(*)	CXL	11	44		2012	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	08	41		2009	
FB	0269	Grapes			CXL	08	41		2009	
VL	0053	Leafy vegetables			CXL	08	41		2009	
VA	0384	Leek			CXL	08	41		2009	
VP	0060	Legume vegetables (group)			CXL	08	41		2009	
FI	0343	Litchi			CXL	08	41		2009	
FI	0342	Longan			CXL	08	41		2009	
FI	0345	Mango			CXL	08	41		2009	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	The MRL accommodates external animal treatment.	CXL	08	41	2009	
FM	0183	Milk fats			CXL	08	41		2009	
ML	0106	Milks			The MRL accommodates external animal treatment.	CXL	08	41	2009	
GC	0647	Oats	Po	C	CXL	09	42		2010	
SO	0088	Oilseed			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 or pea fodder (dry)			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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0070	Pulses			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		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 fodder (dry) of cereal grains			CXL	08	41		2009	
FB	0275	Strawberry			CXL	08	41		2009	
VR	0596	Sugar beet			CXL	08	41		2009	
GS	0659	Sugar cane			CXL	08	41		2009	
VO	0447	Sweet corn (corn-on-the- cob)			CXL	08	41		2009	
FT	0305	Table olives			CXL	08	41		2009	
DT	1114	Tea, green, black (black, fermented and dried)		C	CXL	11	44		2012	
VO	0448	Tomato			CXL	08	41		2009	
TN	0085	Tree nuts (group)		a,Z	CXL	11	44		2012	
GC	0654	Wheat	Po	C	CXL	09	42		2010	
CM	0654	Wheat bran, unprocessed	PoP	C	CXL	09	42		2010	

147 Methoprene

Main Uses: Insect growth regulator

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 (JMPR 2005).

ARfD: Unnecessary (2005)

Residue: For compliance with the MRL and for 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									
SO	0703 Peanut, whole	5	Po		3	2019	52			
GC	0080 Cereal grains	10	Po		CXL	05	38		2006	
MO	0105 Edible offal (mammalian)	0.02			CXL	05	38		2006	
PE	0112 Eggs	0.02			CXL	05	38		2006	
OC	0645 Maize oil, crude	200	PoP		CXL	05	38		2006	
MM	0095 Meat (from mammals other than marine mammals)	0.2	(fat)		CXL	05	38		2006	
ML	0106 Milks	0.1	F		CXL	05	38		2006	
SO	0089 Oilseed, except peanut	4	Po		CXL	2016	49		2017	
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	
CM	0654 Wheat bran, unprocessed	25	PoP		CXL	05	38		2006	

158 Glyphosate

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
VD	2065	Dry beans (subgroup)		(except soya beans)	3	2019	52			
VD	0071	Beans (dry)			CXL	05	38		2006	Recommended for withdrawal
VD	0533	Lentil (dry)			CXL	11	44		2012	Recommended for withdrawal
VD	2066	Dry peas (subgroup)			3	2019	52			
VD	0072	Peas (dry)			CXL	05	38		2006	Recommended for withdrawal
AL	1020	Alfalfa fodder			CXL	05	38		2006	
FI	0327	Banana		(*)	CXL	05	38		2006	
AS	0640	Barley straw and fodder, dry			CXL	05	38		2006	
AL	0061	Bean fodder			CXL	05	38		2006	
GC	0080	Cereal grains		Except maize and rice	CXL	05	38		2006	
SO	0691	Cotton seed			CXL	05	38		2006	
MO	0105	Edible offal (mammalian)		Except pigs	CXL	05	38		2006	
PE	0112	Eggs		(*)	CXL	05	38		2006	
AS	0162	Hay or fodder (dry) of grasses			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 or pea fodder (dry)			CXL	05	38		2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0818	Pig, edible offal of	0.5		CXL	05	38		2006	
PM	0110	Poultry meat	0.05	(*)	CXL	05	38		2006	
PO	0111	Poultry, edible offal of	0.5		CXL	05	38		2006	
SO	0495	Rape seed	30		CXL	2013	46		2014	
AS	0651	Sorghum straw and fodder, dry	50		CXL	05	38		2006	
VD	0541	Soya bean (dry)	20		CXL	05	38		2006	
VR	0596	Sugar beet	15		CXL	11	44		2012	
GS	0659	Sugar cane	2		CXL	05	38		2006	
DM	0659	Sugar cane molasses	10		CXL	05	38		2006	
SO	0702	Sunflower seed	7		CXL	05	38		2006	
VO	0447	Sweet corn (corn-on-the-	3		CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed	20		CXL	05	38		2006	
AS	0654	Wheat straw and fodder, dry	300		CXL	05	38		2006	

160 Propiconazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	2001	Peaches (including apricots and nectarine) (subgroup)	4	Po	3	2019	52			
FS	0247	Peach	5	Po	CXL	2013	46		2014	Maintain the existing CXL for peach under the 4-year rule awaiting the JMPR re-evaluation (51:74)
FS	0247	Peach	1.5	Po	4	2017	50			Keep the proposed MRL at Step 4 awaiting JMPR re-evaluation in 2018 (50:42).
FS	0247	Peach	0.7	Po	4	2018	51			Retain the proposed MRL at Step 4 and maintain the existing CXL for peach under the 4-year rule, awaiting the JMPR re-evaluation (51:74).
FI	0327	Banana	0.1		CXL	2007	40			2008
GC	0640	Barley	2		CXL	2015	48			2016
AS	0640	Barley straw and fodder, dry	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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	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
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
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 fodder	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 straw and fodder, dry	15			CXL	2014	47		2015
GC	0654	Wheat	0.09			CXL	2015	48		2016
AS	0654	Wheat straw and fodder, dry	15			CXL	2014	47		2015

173 Buprofezin

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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.

Notes: Aniline

ADI: 0–0.02 mg/kg bw

ARfD: 0.02 mg/kg bw

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	3		3	2019	52			
AM	0660	Almond hulls	2		CXL	09	45	42	2010	
TN	0660	Almonds	0.05	(*)	CXL	09	42			Recommended for withdrawal
TN	0085	Tree nuts (group)	0.05	(*)	3	2019	52			
OR	0001	Citrus oil, edible	6		3	2019	52			
AB	0001	Citrus pulp, dry	5		3	2019	52			
PE	0112	Eggs	0.01	(*)	3	2019	52			
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	3	2019	52			
OC	0305	Olive oil, virgin	20		3	2019	52			The name for this category is OC 0305 Olive oil, virgun as opposed to olive oil, crude (Annex I, JMPR 2019 regular meeting)
PF	0111	Poultry fats	0.01	(*)	3	2019	52			
PM	0110	Poultry meat	0.01	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.01		3	2019	52			
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	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	
AB	0001	Citrus pulp, dry	2		CXL	08	41		2009	
SB	0716	Coffee beans	0.4		CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0269	Dried grapes (=currants, raisins and sultanas)	2		CXL	09	42		2010	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	09	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)	0.7		CXL	09	42		2010	
FB	0269	Grapes	1		CXL	09	42		2010	
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	
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	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2016	49		2017	
FB	0275	Strawberry	3		CXL	09	42		2010	
FT	0305	Table olives	5		CXL	09	42		2010	
DT	1116	Tea, green	30		CXL	12	45		2013	
VO	0448	Tomato	1		CXL	08	41		2009	

178 Bifenthrin

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.01 mg/kg bw (2009)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.05 (*)			CXL	2010	43	28,29,30	2011	Withdrawal recommended (JMPR 2010). The manufacturer would submit supporting data for barley, barley straw and fodder dry, therefore the CCPR decided to retain these CXLs under 4 years Periodic Review Procedure (43-50). The CCPR agreed to retain the existing CXLs for barley and barley straw and fodder, dry, awaiting the outcome of the 2018 JMPR (48-60)
AS	0640 Barley straw and fodder, dry	0.5			CXL	2010	43		2011	See barley
AS	0081 Straw and fodder (dry) of cereal grains	1 (dw)			3	2019	52			
VS	0624 Celery	3			4	2015	48			CCPR retained the proposed MRLs for strawberry, celery and lettuce, head at Step 4 (in light of acute intake risk identified by the 2015 JMPR) and await an alternative GAP for review by the 2017 JMPR.(48-58). CCPR noted that the 2019 would evaluate this compound (50:45).
VL	0482 Lettuce, head	4			4	2015	48			See celery.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0442 Okra	0.2			7	2010	44	43		CCPR49 held the proposed MRL at Step 7 awaiting data from India (49:48). CCPR noted that JMPR (2019) would evaluate this compound (50:45).
FB	0275 Strawberry	3			3	2019	52			On the basis of the information provided to JMPR it was concluded that the estimated acute dietary exposure to residues of bifenthrin for the consumption of strawberries may present a public health concern
FB	0275 Strawberry	1			CXL				1995	
FB	0275 Strawberry	3			4	2015	48	43		See celery.
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 Egg plant	0.3			CXL	2010	43			2011
FB	0269 Grapes	0.3			CXL	2015	48			2016
DH	1100 Hops, dry	20			CXL	2010	43			2011
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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 or pea fodder (dry)	0.7		CXL	2010	43		2011	
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	
HS	0444	Peppers chili, dried	5		CXL	2010	43		2011	
VD	0070	Pulses	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	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	
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	

189 Tebuconazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.3 mg/kg bw (2010)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Tebuconazole. Residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AB	0001	Citrus pulp, dry	3	(dw)	3	2019	52			
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.7	Po	3	2019	52			
OR	0004	Orange oil, edible	10		3	2019	52			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4	Po	3	2019	52			
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 straw and fodder, dry	40		CXL	11	44			2012
VD	0071	Beans (dry)	0.3		CXL	11	44			2012
VP	2060	Beans with pods	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
SB	0716	Coffee beans	0.1		CXL	11	44			2012
SO	0691	Cotton seed	2		CXL	11	44			2012
VC	0424	Cucumber	0.2		CXL	2015	48			2016
DF	0269	Dried grapes (=currants, raisins and sultanas)	7		CXL	11	44			2012
MO	0105	Edible offal (mammalian)	0.2		CXL	11	44			2012

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0440	Egg plant			CXL	11	44		2012	
PE	0112	Eggs		(*)	CXL	11	44		2012	
FB	0267	Elderberries			CXL	11	44		2012	
VA	0381	Garlic			CXL	11	44		2012	
VR	0604	Ginseng			CXL	2015	48		2016	
DV	0604	Ginseng, dried including red ginseng			CXL	2015	48		2016	
DM	0604	Ginseng, extracts			CXL	2015	48		2016	
FB	0269	Grapes			CXL	11	44		2012	
DH	1100	Hops, dry			CXL	11	44		2012	
VA	0384	Leek			CXL	11	44		2012	
VL	0482	Lettuce, head			CXL	08	43	44	2012	
FI	0345	Mango			CXL	11	44		2012	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	11	44		2012	
VC	0046	Melons, except watermelon			CXL	11	44		2012	
ML	0106	Milks		(*)	CXL	11	44		2012	
FS	0245	Nectarine			CXL	11	44		2012	
GC	0647	Oats			CXL	11	44		2012	
VA	0385	Onion, bulb			CXL	2015	48		2016	
FI	0350	Papaya			CXL	11	44		2012	
FI	0351	Passion fruit			CXL	11	44		2012	
FS	0247	Peach			CXL	11	44		2012	
SO	0697	Peanut			CXL	11	44		2012	
AL	0697	Peanut fodder			CXL	11	44		2012	
FP	0230	Pear			CXL	11	44		2012	
HS	0444	Peppers chili, dried			CXL	11	44		2012	
VO	0445	Peppers, sweet (including pimento or pimienta)			CXL	11	44		2012	
FS	0014	Plums (including fresh prunes) (subgroup)		except prunes	CXL	11	44		2012	
PM	0110	Poultry meat		(*)	CXL	11	44		2012	
PO	0111	Poultry, edible offal of		(*)	CXL	11	44		2012	
DF	0014	Prunes			CXL	11	44		2012	
SO	0495	Rape seed			CXL	11	44		2012	
GC	0649	Rice			CXL	11	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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-	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 straw and fodder, dry	40			CXL	11	44		2012	

199 Kresoxim-Methyl

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.3 mg/kg bw (2018)

ARfD: Unnecessary (2018)

Residue: For compliance with the MRL for plant commodities: Kresoxim-methyl.

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

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

The residue is not fat-soluble

Note: The 2018 JMPR concluded that the ADI could be applied to the metabolites 490M1 and 490M9 and their conjugates. JMPR also concluded that if future uses of kresoxim-methyl result in an increase of the exposure for metabolite 490M2, a reconsideration of the residue definition for dietary exposure purposes may become necessary.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0009 Pome fruits (group)	0.15		(except Japanese persimmon)	3	2019	52			
FP	0009 Pome fruits (group)	0.2			CXL	1998, 2018	51	32, 34	2003	Withdrawal recommended by JMPR 2018. CCPR agreed to maintain the CXL for pome fruit on the request of the EU, Norway and Switzerland, awaiting the data by 2023 (51:87). Recommended for withdrawal.
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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	3			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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0381	Garlic			CXL	2018	51		2019	
FB	0269	Grapes			CXL	2018	51		2019	
VA	0384	Leek			CXL	2018	51		2019	
MF	0100	Mammalian fats (except milk fats)		(*)	CXL	2018	51		2019	
FI	0345	Mango			CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	2018	51		2019	
ML	0106	Milks		(*)	CXL	2018	51		2019	
OC	0305	Olive oil, virgin			CXL	2018	51		2019	
SO	0305	Olives for oil production			CXL	2018	51		2019	
FS	0247	Peach			CXL	2018	51		2019	
TN	0672	Pecan		(*)	CXL	2018	51		2019	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2018	51		2019	
PF	0111	Poultry fats		(*)	CXL	2018	51		2019	
PM	0110	Poultry meat		(*)	CXL	2018	51		2019	
PO	0111	Poultry, edible offal of		(*)	CXL	2018	51		2019	
AS	0081	Straw and fodder (dry) of cereal grains		(DM)	CXL	2018	51		2019	
VR	0596	Sugar beet		(*)	CXL	2018	51		2019	
FT	0305	Table olives			CXL	2018	51		2019	
VR	4571	Turnip		(*)	CXL	2018	51		2019	
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			CXL	2018	51		2019	

200 Pyriproxyfen

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.1 mg/kg bw (1999)

ARfD: Unnecessary (1999)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0345 Mango	0.02 (*)			3	2019	52			
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 Egg plant	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	
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	

207 Cyprodinil

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2003)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0541 Soya bean (dry)	0.3			3	2019	52			
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	
VD	0071 Beans (dry)	0.2			CXL	2013	46		2014	
VP	2060 Beans with pods	2			CXL	2017	50		2018	
VP	0062 Beans, shelled	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	5			CXL	2003	37	36	2005	
DH	0170 Dried herbs	300		(except hops, dry)	CXL	2013	46		2014	
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	
FB	0269 Grapes	3			CXL	2003	37	36	2005	
FI	0336 Guava	1.5			CXL	2017	50		2018	

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

210 Pyraclostrobin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.7 mg/kg bw (2018)

Residue: For compliance with MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Pyraclostrobin. The residue is fat-soluble.

Commodity			MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name										
VR	0577	Carrot	0.5			CXL	2004	38	37	2006	Withdrawal recommended by JMPR 2018. 91. CCPR noted the reservation of EU, Norway and Switzerland on the advancement of the proposed MRLs for root vegetables due to the lack of trials on sugar beet or beetroot and for spinach because of an incorrect HR value in the 2018 JMPR report. The JMPR Secretariat: (i) informed CCPR that a new US label for root vegetables had been submitted for JMPR evaluation in 2019 and a re-consideration of the CXL for root vegetables would be undertaken and (b) clarified that the reported HR of 0.91 mg/kg for spinach came from the raw data and the correct data should be submitted by the manufacturer. CCPR retained the proposed MRLs for root vegetables and spinach at Step 4 and maintained the CXLs for carrot; sugar beet and radish, awaiting the outcome of the JMPR re- evaluation on the group MRL for root vegetables and the clarification on the HR for spinach by the manufacturer (51:91:93-95).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0494	Radish			CXL	2004	38	37	2006	See carrots.
VR	0596	Sugar beet			CXL	2004	38	37	2006	See carrot.
VR	2070	Root vegetables (subgroup)			4	2018	51			See carrot. Recommended for
VR	2070	Root vegetables (subgroup)		(except sugar beet)	3	2019	52			withdrawal.
VL	0502	Spinach			3	2019	52			
VL	0502	Spinach			4	2018	51			See carrot..
AL	1020	Alfalfa fodder			CXL	2011	44		2012	
VS	0620	Artichoke, globe			CXL	2011	44		2012	
VS	0621	Asparagus			CXL	2018	51		2019	
FI	0326	Avocado			CXL	2018	51		2019	
FI	0327	Banana			CXL	2004	38	37	2006	
GC	0640	Barley			CXL	2011	44		2012	
VD	0071	Beans (dry)			CXL	2004	38	37	2006	
VP	2060	Beans with pods		(except common beans)	CXL	2018	51		2019	
FB	0264	Blackberries			CXL	2011	44		2012	
FB	0020	Blueberries			CXL	2011	44		2012	
VP	0523	Broad bean, without pods (succulent seeds)			CXL	2018	51		2019	
VB	0402	Brussels sprouts			CXL	2006	39		2007	
VB	0041	Cabbages, head			CXL	2006	39		2007	
SB	0715	Cacao beans			CXL	2018	51		2019	
VC	4199	Cantaloupe			CXL	2006	39		2007	
VS	0624	Celery			CXL	2018	51		2019	
FS	0013	Cherries (subgroup)		(includes all commodities in this subgroup)	CXL	2014	47		2015	
FC	0001	Citrus fruits (group)			CXL	2011	45	44	2013	
OR	0001	Citrus oil, edible			CXL	2012	45		2013	
SB	0716	Coffee beans			CXL	2006	39		2007	
VP	0526	Common bean (pods and/or immature seeds)			CXL	2018	51		2019	
VP	2845	Common beans (succulent seeds)			CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0269	Dried grapes (=currants, raisins and sultanas)	5		CXL	2004	38	37	2006	
VD	2066	Dry peas (subgroup)	0.3		CXL	2018	51		2019	
MO	0105	Edible offal (mammalian)	0.05		CXL	2018	51		2019	
VO	0440	Egg plant	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	
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 or pea fodder (dry)	30		CXL	2004	38	37	2006	

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)			CXL	2014	47		2015	
AL	0697	Peanut fodder			CXL	2004	38	37	2006	
SO	0703	Peanut, whole		(*)	CXL	2004	38	37	2006	
VP	2061	Peas with pods (subgroup)			CXL	2018	51		2019	
VO	0051	Peppers (subgroup)			CXL	2006	39		2007	
FI	0353	Pineapple			CXL	2018	51		2019	
TN	0675	Pistachio nuts			CXL	2004	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)		(includes all commodities in this subgroup)	CXL	2014	47		2015	
FP	0009	Pome fruits (group)			CXL	2018	51		2019	
PM	0110	Poultry meat		(*) (fat)	CXL	2004	38	37	2006	
PO	0111	Poultry, edible offal of		(*)	CXL	2004	38	37	2006	
VL	0494	Radish leaves (including radish tops)			CXL	2004	38	37	2006	
FB	0272	Raspberries, red, black			CXL	2011	44		2012	
GC	0649	Rice			CXL	2018	51		2019	
AS	0649	Rice straw and fodder, dry		(dw)	CXL	2018	51		2019	
CM	0649	Rice, husked			CXL	2018	51		2019	
CM	1205	Rice, polished			CXL	2018	51		2019	
GC	0650	Rye			CXL	2011	44		2012	
GC	0651	Sorghum			CXL	2011	44		2012	
VD	0541	Soya bean (dry)			CXL	2006	39		2007	
GC	4673	Spelt			CXL	2006	39		2007	
VA	0389	Spring onion			CXL	2011	44		2012	
AS	0081	Straw and fodder (dry) of cereal grains			CXL	2004	38	37	2006	
FB	0275	Strawberry			CXL	2011	44		2012	
VP	2063	Succulent peas without pods (subgroup)			CXL	2018	51		2019	
GS	0659	Sugar cane			CXL	2018	51		2019	
FT	0305	Table olives			CXL	2018	51		2019	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	2018	51		2019	
VO	0448	Tomato			CXL	2004	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0085	Tree nuts (group)		except pistachio nuts	CXL	2011	44		2012	
GC	0653	Triticale			CXL	2011	44		2012	
VR	2071	Tuberous and corm vegetables (subgroup)			CXL	2018	51		2019	
GC	0654	Wheat			CXL	2004	38	37	2006	
VL	2832	Witloof chicory (sprouts)			CXL	2018	51		2019	

221 Boscalid

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2006)

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

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

The residue is fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	2			CXL	09	42		2010	Recommended for withdrawal
FP	0009 Pome fruits (group)	2			3	2019	52			
FS	0013 Cherries (subgroup)	5			3	2019	52			
FI	0345 Mango	2			3	2019	52			
FS	2001 Peaches (including apricots and nectarine) (subgroup)	4			3	2019	52			
FS	0014 Plums (including fresh prunes) (subgroup)	1.5			3	2019	52			
DF	0014 Prunes	10			CXL	09	42		2010	
DF	0014 Prunes	5			3	2019	52			
FS	0012 Stone fruits (group)	3			CXL	09	42		2010	Recommended for withdrawal
DT	1114 Tea, green, black (black, fermented and dried)	40			3	2019	52			
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 straw and fodder, dry	50	dry wt		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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0080	Cereal grains		Except barley, oats, rye and wheat.	CXL	09	42		2010	
FC	0001	Citrus fruits (group)			CXL	10	43		2011	
OR	0001	Citrus oil, edible			CXL	10	43		2011	
AB	0001	Citrus pulp, dry			CXL	10	43		2011	
SB	0716	Coffee beans			CXL	09	42		2010	
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	09	42		2010	
MO	0105	Edible offal (mammalian)			CXL	09	42		2010	
PE	0112	Eggs			CXL	09	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	09	42		2010	
VO	0050	Fruiting vegetables, other than cucurbits (group)		Except fungi, mushroom and sweet corn.	CXL	09	42		2010	
FB	0269	Grapes			CXL	09	42		2010	
DH	1100	Hops, dry			CXL	10	43		2011	
FI	0341	Kiwifruit			CXL	09	42		2010	
VL	0053	Leafy vegetables			CXL	10	43		2011	
VP	0060	Legume vegetables (group)			CXL	09	42		2010	
MM	0095	Meat (from mammals other than marine mammals)			CXL	09	42		2010	
FM	0183	Milk fats			CXL	09	42		2010	
ML	0106	Milks			CXL	09	42		2010	
AS	0647	Oat straw and fodder, dry			CXL	09	42		2010	
GC	0647	Oats			CXL	09	42		2010	
SO	0088	Oilseed			CXL	09	42		2010	
HS	0444	Peppers chili, dried			CXL	09	42		2010	
TN	0675	Pistachio nuts			CXL	09	42		2010	
PF	0111	Poultry fats			CXL	09	42		2010	
PM	0110	Poultry meat			CXL	09	42		2010	
PO	0111	Poultry, edible offal of			CXL	09	42		2010	
VD	0070	Pulses			CXL	09	42		2010	
VR	0075	Root and tuber vegetables			CXL	09	42		2010	
GC	0650	Rye			CXL	09	42		2010	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0650	Rye straw and fodder, dry	50	dry wt		CXL	09	42		2010
VS	0078	Stalk and stem vegetables	30			CXL	10	43		2011
AS	0081	Straw and fodder (dry) of cereal grains	5	dry wt	Except straw and fodder of barley, oats, rye and wheat.	CXL	09	42		2010
FB	0275	Strawberry	3			CXL	09	42		2010
TN	0085	Tree nuts (group)	0.05	(*)	Except	CXL	09	42		2010
GC	0654	Wheat	0.5			CXL	09	42		2010
AS	0654	Wheat straw and fodder, dry	50	dry wt		CXL	09	42		2010

229 Azoxystrobin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2008)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FT	0336 Guava	0.2			3	2019	52			
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DV	0604	Ginseng, dried including red ginseng			CXL	11,12	45	44	2013	
DM	0604	Ginseng, extracts			CXL	11,12	45	44	2013	
FB	0269	Grapes			CXL	08	41		2009	
HH	0092	Herbs			CXL	08	41		2009	
DH	1100	Hops, dry			CXL	08	41		2009	
VP	0060	Legume vegetables (group)			CXL	08	41		2009	
VL	0482	Lettuce, head			CXL	08	41		2009	
VL	0483	Lettuce, leaf			CXL	08	41		2009	
GC	0645	Maize			CXL	08	41		2009	
AS	0645	Maize fodder (dry)	dry wt		CXL	08	41			
OR	0645	Maize oil, edible			CXL	08	41		2009	
FI	0345	Mango			CXL	08	41		2009	
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	
AL	0072	Pea hay or pea fodder (dry)	dry wt		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		(except soya beans)	CXL	2013	46		2014	
SO	0495	Rape seed			CXL	2017	50		2018	
GC	0649	Rice			CXL	08	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0075	Root and tuber vegetables		(except potato)	CXL	2013	46		2014	
GC	0650	Rye			CXL	08	41		2009	
GC	0651	Sorghum			CXL	2013	46		2014	
AS	0651	Sorghum straw and fodder, dry	dry wt		CXL	2013	46		2014	
VD	0541	Soya bean (dry)			CXL	08	41		2009	
AL	0541	Soya bean fodder			CXL	08	41		2009	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
AS	0081	Straw and fodder (dry) of cereal grains	dry wt	(except maize and sorghum)	CXL	2013	46		2014	
FB	0275	Strawberry			CXL	08	41		2009	
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	
GC	0654	Wheat			CXL	08	41		2009	
VL	2832	Witloof chicory (sprouts)			CXL	08	41		2009	

230 Chlorantraniliprole

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2008)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	2065	Dry beans (subgroup)			3	2019	52			
VD	2066	Dry peas (subgroup)		(except soya beans)	3	2019	52			
SO	3160	Palm fruit (African oil palm)			3	2019	52			
OC	1240	Palm kernel oil, crude			3	2019	52			
AL	1020	Alfalfa fodder			CXL	10	43		2011	
VS	0620	Artichoke, globe			CXL	2013	46		2014	
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)		(green pods and immature seeds)	CXL	2013	46		2014	
FB	0018	Berries and other small fruits			CXL	10	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	10	43		2011	
VR	0577	Carrot			CXL	2013	46		2014	
VS	0624	Celery			CXL	08	41		2009	
GC	0080	Cereal grains		(except rice)	CXL	2013	46		2014	
FC	0001	Citrus fruits (group)			CXL	2014	47		2015	
SB	0716	Coffee beans			CXL	2013	46		2014	
SO	0691	Cotton seed			CXL	08	41		2009	
MO	0105	Edible offal (mammalian)			CXL	10	43		2011	
PE	0112	Eggs			CXL	2016	49		2017	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	08	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)			CXL	08	41		2009	
DH	1100	Hops, dry			CXL	2013	46		2014	
VL	0053	Leafy vegetables		(except radish leaves)	CXL	2013	46		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)	0.2		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	0697	Peanut	0.06		CXL	2016	49		2017	
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	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-	0.01	(*)	CXL	10	43		2011	
TN	0085	Tree nuts (group)	0.02		CXL	10	43		2011	

234 Spirotetramat

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 1.0 mg/kg bw (2008)

Residue: For compliance with MRL for plant commodities: Spirotetramat and its enol metabolite, 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat.

For estimation of dietary intake for plant commodities: Spirotetramat, enol metabolite 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, ketohydroxy metabolite 3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro[4.5]decane-2,4-dione, monohydroxy metabolite cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]decan-2-one, and enol glucoside metabolite glucoside of 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0577	Carrot	0.04		3	2019	52			
FB	0275	Strawberry	0.3		3	2019	52			
VR	0596	Sugar beet	0.06		3	2019	52			
AV	0596	Sugar beet leaves or tops (dry)	8 (dw)		3	2019	52			
DM	0596	Sugar beet molasses	0.3		3	2019	42			
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	
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	
DF	0269	Dried grapes (=currants, raisins and sultanas)	4		CXL	08	41		2009	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	08	41		2009	
VO	0050	Fruiting vegetables, other than cucurbits (group)		Except sweet corn, mushrooms and chili pepper	CXL	08	41		2009	
AB	0269	Grape pomace, dry			CXL	08	41		2009	
FB	0269	Grapes			CXL	08	41		2009	
FI	0336	Guava			CXL	2015	48		2016	
DH	1100	Hops, dry			CXL	08	41		2009	
FI	0341	Kiwifruit			CXL	11	44		2012	
VL	0053	Leafy vegetables			CXL	08	41		2009	
AL	0157	Legume animal feeds			CXL	11	44		2012	
VP	0060	Legume vegetables (group)			CXL	11	44		2012	
FI	0343	Litchi			CXL	11	44		2012	
FI	0345	Mango			CXL	11	44		2012	
MM	0095	Meat (from mammals other than marine mammals)			CXL	11	44		2012	
ML	0106	Milks			CXL	12	45		2013	
VA	0385	Onion, bulb			CXL	11	44		2012	
FI	0350	Papaya			CXL	11	44		2012	
VO	0444	Peppers chili		Non-bell	CXL	08	41		2009	
HS	0444	Peppers chili, dried			CXL	08	41		2009	
FP	0009	Pome fruits (group)			CXL	2008	41		2009	
VR	0589	Potato			CXL	08	41		2009	
PM	0110	Poultry meat			CXL	11	44		2012	
PO	0111	Poultry, edible offal of			CXL	11	44		2012	
DF	0014	Prunes			CXL	08	41		2009	
VD	0070	Pulses		except soya bean (dry)	CXL	11	44		2012	except soya bean (dry)
VD	0541	Soya bean (dry)			CXL	11	44		2012	
FS	0012	Stone fruits (group)			CXL	08	41		2009	
GC	0447	Sweet corn			CXL	2015	48		2016	
TN	0085	Tree nuts (group)			CXL	08	41		2009	

236 Metaflumizone

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.1 mg/kg bw

ARfD: Unnecessary

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple	0.9		3	2019	52			
FP	0226	Apple	0.9		3	2019	52			
SB	0716	Coffee beans	0.15		3	2019	52			
DF	0269	Dried grapes (=currants, raisins and sultanas)	13		3	2019	52			
MO	0105	Edible offal (mammalian)	0.02	(*)	CXL	09	42		2010	Recommended for withdrawal
MO	0105	Edible offal (mammalian)	0.02	(*)	3	2019	52			
PE	0112	Eggs	0.02		3	2019	52			
FB	0269	Grapes	5		3	2019	52			
FC	0002	Lemons and limes (including citron) (subgroup)	2		3	2019	52			
GC	0645	Maize	0.04		3	2019	52			
MF	0100	Mammalian fats (except milk fats)	0.6		3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*) (fat)	CXL	09	42		2010	Recommended for withdrawal
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*) (fat)	3	2019	52			
VC	0046	Melons, except watermelon	1		3	2019	52			The name of this food category is VC 0046 Melons, except
FM	0183	Milk fats	0.02		CXL	09	42		2010	Recommended for withdrawal
FM	0183	Milk fats	0.7		3	2019	52			
ML	0106	Milks	0.01	(*)	CXL	09	42		2010	Recommended for withdrawal
ML	0106	Milks	0.02		3	2019	52			
OR	0004	Orange oil, edible	100		3	2019	52			

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)	3		3	2019	52			
PF	0111	Poultry fats	0.08		3	2019	52			
PM	0110	Poultry meat	0.02	(*) (fat)	3	2019	52			
PO	0111	Poultry, edible offal of	0.02	(*)	3	2019	52			
VD	0541	Soya bean (dry)	0.2		3	2019	52			
GS	0659	Sugar cane	0.02	(*)	3	2019	52			
VB	0402	Brussels sprouts	0.8		CXL	09	42		2010	
VL	0466	Chinese cabbage (type pack-choi)	6		CXL	09	42		2010	
VO	0440	Egg plant	0.6		CXL	09	42		2010	
VL	0482	Lettuce, head	7		CXL	09	42		2010	
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	
VO	0448	Tomato	0.6		CXL	09	42		2010	

240 Dicamba

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
SO	0691 Cotton seed	0.04 (*)			CXL	10	43		2011	Recommended for withdrawal
SO	0691 Cotton seed	3			3	2019	52			
GC	0645 Maize	0.01 (*)			CXL	10	43		2011	Recommended for withdrawal
GC	0645 Maize	0.01 (*)			3	2019	52			
AS	0645 Maize fodder (dry)	0.6			CXL	10	43		2011	Recommended for withdrawal
AS	0645 Maize fodder (dry)	0.6 (*)			3	2019				
VD	0541 Soya bean (dry)	10			3	2019	52			
AL	0541 Soya bean fodder	150 (dw)			3	2019	52			
AB	0541 Soya bean hulls	15			3	2019	52			
AB	1265 Soya bean meal	15			3	2019	52			
VD	4521 Soybean (dry)	10			CXL	2013	46		2014	Recommended for withdrawal
VS	0621 Asparagus	5			CXL	10	43		2011	
GC	0640 Barley	7			CXL	10	43		2011	
AS	0640 Barley straw and fodder, dry	50			CXL	10	43		2011	
MO	0105 Edible offal (mammalian)	0.7			CXL	10	43		2011	
PE	0112 Eggs	0.01 (*)			CXL	10	43		2011	
AS	0162 Hay or fodder (dry) of grasses	30			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)	0.03			CXL	10	43		2011	
ML	0106 Milks	0.2			CXL	10	43		2011	
PF	0111 Poultry fats	0.04			CXL	10	43		2011	
PM	0110 Poultry meat	0.02			CXL	10	43		2011	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
PO 0111	Poultry, edible offal of	0.07			CXL	10	43		2011	
GC 0651	Sorghum	4			CXL	10	43		2011	
AS 0651	Sorghum straw and fodder, dry	8			CXL	10	43		2011	
GS 0659	Sugar cane	1			CXL	10	43		2011	
VO 1275	Sweet corn (kernels)	0.02			CXL	10	43		2011	
GC 0654	Wheat	2			CXL	10	43		2011	
AS 0654	Wheat straw and fodder, dry	50			CXL	10	43		2011	

253 Penthiopyrad

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 1 mg/kg bw (2011)

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

For compliance with MRL for animal commodities and for the estimation of dietary intake for plant and animal commodities: Sum of penthiopyrad and 1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide (PAM), expressed as penthiopyrad. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2006	Bush berries (subgroup)	7			3	2019	52		
FB	2005	Cane berries (subgroup)	10			3	2019	52		
FB	0267	Elderberries	7			3	2019	52		
FB	2254	Guelder rose	7			3	2019	52		
AL	1020	Alfalfa fodder	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 straw and fodder, dry	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, shelled	0.3			CXL	12	45		2013
VB	0041	Cabbages, head	4			CXL	2012	46	45	2014
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
VB	0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	5			CXL	2012	45		2013
VC	0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	2012	45		2013
VO	0050	Fruiting vegetables, other than cucurbits (group)	2		(except sweet corn and mushroom)	CXL	2012	45		2013

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0053	Leafy vegetables		(except brassica leafy vegetables)	CXL	2012	45		2013	
GC	0645	Maize			CXL	2012	46	45	2014	
CF	1255	Maize flour			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	
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 (Including barnyard millet, bulrush millet, common millet, finger millet, foxtail millet, little 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 or pea fodder (dry)	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	0.3	(except soya beans)	CXL	2012	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0494	Radish			CXL	2012	45			2013
SO	0495	Rape seed			CXL	2012	46	45		2014
OC	0495	Rape seed oil, crude			CXL	2012	46	45		2014
OR	0495	Rape seed oil, edible			CXL	2012	46	45		2014
GC	0650	Rye			CXL	2013	46			2014
AS	0650	Rye straw and fodder, dry		(DM)	CXL	2012	46	45		2014
GC	0651	Sorghum			CXL	2012	46	45		2014
AS	0651	Sorghum straw and fodder, dry		(DM)	CXL	2012	46	45		2014
VD	0541	Soya bean (dry)			CXL	2012	46	45		2014
AL	0541	Soya bean fodder		(DM)	CXL	2012	46	45		2014
VA	0389	Spring onion			CXL	2012	45			2013
FS	0012	Stone fruits (group)			CXL	2012	45			2013
FB	0275	Strawberry			CXL	2012	45			2013
VR	0596	Sugar beet			CXL	2012	46	45		2014
SO	0702	Sunflower seed			CXL	2012	46	45		2014
VO	0447	Sweet corn (corn-on-the-			CXL	2012	45			2013
TN	0085	Tree nuts (group)			CXL	2012	45			2013
GC	0653	Triticale			CXL	2013	46			2014
AS	0653	Triticale straw and fodder, dry		(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 straw and fodder, dry		(DM)	CXL	2012	46	45		2014

256 Fluxapyroxad

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.3 mg/kg bw (2012)

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

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

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

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

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FC 0001	Citrus fruits (group)	1			4	2018	51			CCPR noted the reservation of the EU, Norway and Switzerland on the advancement of the proposed MRL for citrus fruits due to a lack of trials to establish the group CXL. CCPR kept the proposed MRLs for citrus fruits and citrus oil, edible at Step 4, awaiting the reconsideration by the 2019 JMPR (51:107-108). Recommended for withdrawal.
OR 0001	Citrus oil, edible	60			4	2018	51			See citrus fruits.
OR 0001	Citrus oil, edible	90			3	2019	52			
AB 0001	Citrus pulp, dry	8			3	2019	52			
FC 0002	Lemons and limes (including citron) (subgroup)	1			3	2019	52			
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	1			3	2019	52			
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.3			CXL	2015	48		2016	Withdrawal recommended by JMPR 2018.
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	1.5			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others grapefruit) (subgroup)	0.6		3	2019	52			
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 straw and fodder, dry	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, shelled	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	
SB	0716	Coffee beans	0.15		CXL	2018	51		2019	
SO	0691	Cotton seed	0.5		CXL	2018	51		2019	
DF	0269	Dried grapes (=currants, raisins and sultanas)	15		CXL	2015	48		2016	
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	
AB	0269	Grape pomace, dry	150		CXL	2015	48		2016	
FB	0269	Grapes	3		CXL	2015	48		2016	
VL	0054	Leaves of Brassicaceae	4		CXL	2015	48		2016	
VD	0533	Lentil (dry)	0.4		CXL	2012	45		2013	
VL	0482	Lettuce, head	4		CXL	2015	48		2016	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0645	Maize		(*)	CXL	2012	45		2013	
AS	0645	Maize fodder (dry)			CXL	2012	45		2013	
FI	0345	Mango			CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2012	45		2013	
FM	0183	Milk fats			CXL	2012	45		2013	
ML	0106	Milks			CXL	2012	45		2013	
AS	0647	Oat straw and fodder, dry			CXL	2012	45		2013	
GC	0647	Oats			CXL	2012	45		2013	
SO	0088	Oilseed		(except peanut and cotton)	CXL	2012	45		2013	
VA	0385	Onion, bulb			CXL	2015	48		2016	
FI	0350	Papaya			CXL	2018	51		2019	
VR	0588	Parsnip			CXL	2015	48		2016	
AL	0072	Pea hay or pea fodder (dry)		dry wt	CXL	2012	45		2013	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2015	48		2016	
SO	0697	Peanut			CXL	2012	45		2013	
VD	0072	Peas (dry)			CXL	2012	45		2013	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	2012	45		2013	
VP	0064	Peas, shelled (succulent seeds)			CXL	2012	45		2013	
HS	0444	Peppers chili, dried			CXL	2012	45		2013	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2015	48		2016	
FP	0009	Pome fruits (group)			CXL	2012	45		2013	
VR	0589	Potato			CXL	2018	51		2019	
PF	0111	Poultry fats			CXL	2012	45		2013	
PM	0110	Poultry meat			CXL	2012	45		2013	
PO	0111	Poultry, edible offal of			CXL	2012	45		2013	
DF	0014	Prunes			CXL	2012	45		2013	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0649	Rice straw and fodder, dry	50	(dw)	CXL	2015	48		2016	
CM	0649	Rice, husked	3		CXL	2015	48		2016	
CM	1205	Rice, polished	0.4		CXL	2015	48		2016	
GC	0650	Rye	0.3		CXL	2012	45		2013	
AS	0650	Rye straw and fodder, dry	30		CXL	2012	45		2013	
VA	0388	Shallot	0.6		CXL	2015	48		2016	
GC	0651	Sorghum	0.7		CXL	2015	48		2016	
AS	0651	Sorghum straw and fodder, dry	7	(dw)	CXL	2015	48		2016	
VD	0541	Soya bean (dry)	0.15		CXL	2012	45		2013	
VP	0541	Soya bean (immature)	0.5		CXL	2012	45		2013	
VP	0546	Soya bean (young pod)	1.5		CXL	2012	45		2013	
AL	0541	Soya bean fodder	30	dry wt	CXL	2012	45		2013	
AB	0541	Soya bean hulls	0.3		CXL	2012	45		2013	
VR	0596	Sugar beet	0.15		CXL	2012	45		2013	
VO	0447	Sweet corn (corn-on-the-	0.15		CXL	2012	45		2013	
TN	0085	Tree nuts (group)	0.04		CXL	2015	48		2016	
GC	0653	Triticale	0.3		CXL	2012	45		2013	
AS	0653	Triticale straw and fodder, dry	30		CXL	2012	45		2013	
VR	2071	Tuberous and corm vegetables (subgroup)	0.03	(except potato)	CXL	2018	51		2019	
GC	0654	Wheat	0.3		CXL	2012	45		2013	
CM	0654	Wheat bran, unprocessed	1		CXL	2012	45		2013	
AS	0654	Wheat straw and fodder, dry	30		CXL	2012	45		2013	

258 Picoxystrobin

Main Uses: Fungicide

JMPR:

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

ARfD: 0.09 mg/kg bw (2012)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa fodder	10 (dw)			3	2019	52			
SB	0716 Coffee beans	0.04			3	2019	52			
SO	0691 Cotton seed	2			3	2019	52			
MO	0105 Edible offal (mammalian)	0.02			CXL	2017	50		2018	
MO	0105 Edible offal (mammalian)	0.02			3	2019	52			
MF	0100 Mammalian fats (except milk fats)	0.02			3	2019	52			
MM	0095 Meat (from mammals other than marine mammals)	0.02 (fat)			3	2019	52			
MM	0095 Meat (from mammals other than marine mammals)	0.02			CXL	2017	50		2018	
ML	0106 Milks	0.01 (*)			3	2019	52			
ML	0106 Milks	0.01 (*)			CXL	2017	50		2018	
GC	0651 Sorghum	0.02			3	2019	52			
AS	0651 Sorghum straw and fodder, dry	1 (dw)			3	2019	52			
DT	1114 Tea, green, black (black, fermented and dried)	15			3	2019	52			
GC	0640 Barley	0.3			CXL	2017	50		2018	
AS	0640 Barley straw and fodder, dry	7 (dw)			CXL	2017	50		2018	
VD	2065 Dry beans (subgroup)	0.06			CXL	2017	50		2018	
VD	2066 Dry peas (subgroup)	0.06			CXL	2017	50		2018	
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	2017	50		2018	
AS	0647 Oat straw and fodder, dry	7 (dw)			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0647 Oats	0.3			CXL	2017	50		2018	
AL	0072 Pea hay or pea fodder (dry)	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	
AL	0541 Soya bean fodder	5	(dw)		CXL	2017	50		2018	
OR	0541 Soya bean oil, refined	0.2			CXL	2017	50		2018	
GC	0447 Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)		CXL	2017	50		2018	
GC	0653 Triticale	0.04			CXL	2017	50		2018	
AS	0653 Triticale straw and fodder, dry	7	(dw)		CXL	2017	50		2018	
GC	0654 Wheat	0.04			CXL	2017	50		2018	
CF	0654 Wheat bran, processed	0.15			CXL	2017	50		2018	
CF	1210 Wheat germ	0.15			CXL	2017	50		2018	
AS	0654 Wheat straw and fodder, dry	7	(dw)		CXL	2017	50		2018	

261 Benzovindiflupyr

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.05 mg/kg bw (2013)

ARfD: 0.1 mg/kg bw (2013)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	2031	Bulb onions (subgroup)	0.02		3	2019	52			
GS	0659	Sugar cane	0.04		CXL	2016	49		2017	
GS	0659	Sugar cane	0.4		3	2019	52			
GC	0640	Barley	1		CXL	2016	49		2017	
AS	0640	Barley straw and fodder, dry	15	(dw)	CXL	2016	49		2017	
SB	0716	Coffee beans	0.15		CXL	2016	49		2017	
DF	0269	Dried grapes (=currants, raisins and sultanas)	3		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	
FB	0269	Grapes	1		CXL	2016	49		2017	
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 or pea fodder (dry)	8	(dw)	CXL	2016	49		2017	
SO	0697	Peanut	0.04		CXL	2016	49		2017	
AL	0697	Peanut fodder	15	(dw)	CXL	2016	49		2017	
HS	0444	Peppers chili, dried	9		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0009	Pome fruits (group)	0.2		CXL	2016	49		2017	
VR	0589	Potato	0.02		CXL	2016	49		2017	
PF	0111	Poultry fats	0.01	(*)	CXL	2016	49		2017	
PM	0110	Poultry meat	0.01	(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2016	49		2017	
SO	0495	Rape seed	0.2		CXL	2016	49		2017	
GC	0650	Rye	0.1		CXL	2016	49		2017	
AS	0650	Rye straw and fodder, dry	15	(dw)	CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.08		CXL	2016	49		2017	
VO	0447	Sweet corn (corn-on-the-	0.01	(*)	CXL	2016	49		2017	
GC	0653	Triticale	0.1		CXL	2016	49		2017	
AS	0653	Triticale straw and fodder, dry	15	(dw)	CXL	2016	49		2017	
GC	0654	Wheat	0.1		CXL	2016	49		2017	
AS	0654	Wheat straw and fodder, dry	15	(dw)	CXL	2016	49		2017	

265 Fluensulfone

Main Uses: Nematocide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)			3	2019	52			
JF	0226 Apple juice	0.4			3	2019	52			
DF	0226 Apples, dried	1			3	2019	52			
GC	2087 Barley, similar grains, and pseudocereals with husks (subgroup)	0.08			3	2019	52			
FC	0001 Citrus fruits (group)	0.2			3	2019	52			
OR	0001 Citrus oil, edible	1.5			3	2019	52			
AB	0001 Citrus pulp, dry	1.5			3	2019	52			
SB	0716 Coffee beans	0.05			3	2019	52			
DF	0269 Dried grapes (=currants, raisins and sultanas)	2			3	2019	52			DF 0269 Dried grapes (=currants, raisins and sultanas). DF 5259 Dried vine fruits, see Dried grapes
AS	0162 Hay or fodder (dry) of grasses	15		(except maize fodder and rice straw and fodder, dry)	3	2019	52			
GC	2091 Maize cereals (subgroup)	0.15			3	2019	52			
AS	0645 Maize fodder (dry)	0.6 (dw)			3	2019	52			
FP	0009 Pome fruits (group)	0.2		(excluding Japanese persimmon)	3	2019	52			
DF	0014 Prunes	0.3			3	2019	52			
GC	2088 Rice cereals (subgroup)	0.04			3	2019	52			
AS	0649 Rice straw and fodder, dry	0.06 (dw)			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2008	Small fruit vine climbing (subgroup)			3	2019	52			
GC	2089	Sorghum grain and millet (subgroup)			3	2019	52			
FS	0012	Stone fruits (group)			3	2019	52			
AS	0081	Straw and fodder (dry) of cereal grains	(dw)	(except maize fodder and rice straw and fodder dry)	3	2019	52			
GS	0659	Sugar cane			3	2019	52			
DM	0659	Sugar cane molasses			3	2019	52			
GC	2090	Sweet corns (subgroup)			3	2019	52			
TN	0085	Tree nuts (group)	(*)		3	2019	52			
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)			3	2019	52			
VR	0574	Beetroot			CXL	2016	49		2017	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2016	49		2017	
VR	0577	Carrot			CXL	2016	49		2017	
VR	0578	Celeriac			CXL	2016	49		2017	
VS	0624	Celery			CXL	2016	49		2017	
VR	0579	Chervil, turnip-rooted			CXL	2016	49		2017	
VC	0424	Cucumber			CXL	2016	49		2017	
MO	0105	Edible offal (mammalian)	(*)		CXL	2016	49		2017	
PE	0112	Eggs	(*)		CXL	2016	49		2017	
VO	0050	Fruiting vegetables, other than cucurbits (group)		except sweetcorn and mushroom	CXL	2016	49		2017	
VR	0583	Horseradish			CXL	2016	49		2017	
VL	0481	Komatsuna			CXL	2016	49		2017	
VL	0053	Leafy vegetables		(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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2009	Low growing berries (subgroup)			CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)			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	
VL	0485	Mustard greens			CXL	2016	49		2017	
VR	0588	Parsnip			CXL	2016	49		2017	
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
VR	0589	Potato			CXL	2016	49		2017	
DV	0589	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	
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	
VR	0075	Root and tuber vegetables		(not specified elsewhere) (R)	CXL	2016	49		2017	
VL	0502	Spinach			CXL	2016	49		2017	
VC	0431	Squash, summer			CXL	2016	49		2017	
VR	0497	Swede			CXL	2016	49		2017	
VR	0508	Sweet potato			CXL	2016	49		2017	
VW	0448	Tomato paste			CXL	2016	49		2017	
DV	0448	Tomato, dried			CXL	2016	49		2017	
VL	0506	Turnip greens			CXL	2016	49		2017	
VR	0506	Turnip, Garden			CXL	2016	49		2017	
VC	0432	Watermelon			CXL	2016	49		2017	

269 Tolfenpyrad

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.006 mg/kg bw (2013)

ARfD: 0.01 mg/kg bw (2013)

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

For compliance with the MRL and estimation of dietary intake) for animal commodities: Sum of tolfenpyrad, and free and conjugated PT-CA (4-[4-[[4-chloro-3-ethyl-1-methylpyrazol-5-yl]carbonylamino]methyl]phenoxy]benzoic acid_and OH-PT-CA (4-[4-[[4-chloro-3(1-hydroxyethyl)-1-methylpyrazol-5-yl]carbonylamino]methyl]phenoxy] benzoic acid) (released with alkaline hydrolysis) expressed as tolfenpyrad. The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VA 2031	Bulb onions	0.09			3	2019	52			
OR 0001	Citrus oil, edible	80			3	2019	52			
AB 0001	Citrus pulp, dry	6			3	2019	52			
MO 0105	Edible offal (mammalian)	0.4			3	2019	52			
VO 2046	Eggplants (subgroup)	0.7			3	2019	52			On the basis of the information provided to the JMPR, it was concluded that the estimated acute dietary exposure to residues of tolfenpyrad for the consumption of these commodities may present a public health concern.
PE 0112	Eggs	0.01 (*)			3	2019	52			
FC 0002	Lemons and limes (including citron) (subgroup)	0.9			3	2019	52			
MF 0100	Mammalian fats (except milk fats)	0.01 (*)			3	2019	52			
FC 0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.9			3	2019	52			
MM 0095	Meat (from mammals other than marine mammals)	0.01 (*)			3	2019	52			
ML 0106	Milks	0.01 (*)			3	2019	52			
FC 0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.6			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	3	2019	52			
HS	0444	Peppers chili, dried			3	2019	52			
PF	0111	Poultry fats			3	2019	52			
PM	0110	Poultry meat			3	2019	52			
PO	0111	Poultry, edible offal of			3	2019	52			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			3	2019	52			
VO	2045	Tomatoes (subgroup)			3	2019	52			On the basis of the information provided to the JMPR, it was concluded that the estimated acute dietary exposure to residues of tolfenpyrad for the consumption of these commodities may present a public health concern.
TN	0672	Pecan			CXL	2016	49		2017	
VR	0589	Potato			CXL	2016	49		2017	
DT	1116	Tea, green			CXL	2013	46		2014	

277 Mesotrione

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.5 mg/kg bw (2014)

ARfD: Unnecessary (2014)

Residue: For compliance with MRL and for estimation of dietary intake) for animal and plant commodities: Mesotrione. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	0.04 (dw)			3	2019	52			
FC	0001 Citrus fruits (group)	0.01 (*)			3	2019	52			
FP	0009 Pome fruits (group)	0.01 (*)			3	2019	52			
FS	0012 Stone fruits (group)	0.01 (*)			3	2019	52			
TN	0085 Tree nuts (group)	0.01 (*)			3	2019	52			
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	
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 (Including barnyard millet, bulrush millet, common millet, finger millet, foxtail millet, little 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	
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	0.01 (*)			CXL	2014	47		2015	
VD	0541 Soya bean (dry)	0.03			CXL	2014	47		2015	
GS	0659 Sugar cane	0.01			CXL	2014	47		2015	
VO	0447 Sweet corn (corn-on-the-	0.01 (*)			CXL	2014	47		2015	

280 Acetochlor

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)	3					
MO	0105	Edible offal (mammalian)	0.05		3	2019	52			
AL	0157	Legume animal feeds	3		CXL	2015	48		2016	Recommended for withdrawal
AL	0157	Legume animal feeds	3	(dw)		2019	52			
				(except alfalfa hay)	3					
VD	0541	Soya bean (dry)	1.5		3	2019	52			
GC	0640	Barley	0.04	(*)	CXL	2015	48		2016	
AS	0640	Barley straw and fodder, dry	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)	0.02	(*)	CXL	2015	48		2016	
PE	0112	Eggs	0.02	(*)	CXL	2015	48		2016	
VD	0531	Hyacinth bean (dry)	0.15		CXL	2015	48		2016	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0646	Millet (Including barnyard millet, bulrush millet, common millet, finger millet, foxtail millet, little 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	
VR	0596	Sugar beet	0.15		CXL	2015	48		2016	
AV	0596	Sugar beet leaves or tops (dry)	3		CXL	2015	48		2016	
DM	0596	Sugar beet molasses	0.3		CXL	2015	48		2016	
AB	0596	Sugar beet pulp, dry	0.3		CXL	2015	48		2016	
SO	0702	Sunflower seed	0.04	(*)	CXL	2015	48		2016	
VO	0447	Sweet corn (corn-on-the-	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 straw and fodder, dry	0.2		CXL	2015	48		2016	
GC	0655	Wild rice	0.04	(*)	CXL	2015	48		2016	

282 Fonicamid

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
AB	0001	Citrus pulp, dry	3	(dw)	3	2019	52			
FC	0002	Lemons and limes (including citron) (subgroup)	1.5		3	2019	52			
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.4		3	2019	52			
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.3		3	2019	52			
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	0.7		CXL	2017	50		2018	(except soya bean (succulent seweds 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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.4		(except mushrooms and sweet corn)	CXL	2015	48		2016
DH	1100	Hops, dry	20			CXL	2015	48		2016
VL	0054	Leaves of Brassicaceae	15			CXL	2015, 2016	48,49		2017
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
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
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

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VW 0448	Tomato paste	7			CXL	2015	48		2016	
GC 0654	Wheat	0.08			CXL	2015	48		2017	
AS 0654	Wheat straw and fodder, dry	0.3			CXL	2015, 2016	48,49		2017	

283 Fluazifop-p-butyl

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.004 mg/kg bw (2016)

ARfD: 0.4 mg/kg bw (2016)

Residue: For compliance with MRLs for plant commodities: Total fluazifop, defined as the sum of fluazifop-P-butyl, fluazifop-P-acid (II) and their conjugates, expressed as fluazifop-P-acid.

For dietary risk assessment for plant commodities: Sum of fluazifop-P-butyl, fluazifop-P-acid (II), 2-[4-(3-hydroxy-5-trifluoromethyl-2-phenoxy)pyridyloxy] propionic acid (XL), 5-trifluoromethyl-2-pyridone (X) and their conjugates, expressed as fluazifop-P-acid.

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

Note: The information provided to JMPR 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
FB 2006	Bush berries (subgroup)	0.3			3	2019	52			
FB 2005	Cane berries (subgroup)	0.08			3	2019	52			
FB 0021	Currants, black, red, white	0.01 (*)			CXL	2016	49		2017	Recommended for withdrawal
FB 0267	Elderberries	0.3			3	2019	52			
FB 0268	Gooseberry	0.01 (*)			CXL	2016	49		2017	Recommended for withdrawal
FB 2254	Guelder rose	0.3			3	2019	52			
FB 0275	Strawberry	3			3	2019	52			
FB 0275	Strawberry	0.3			CXL	2016	49		2017	
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	
VB 0041	Cabbages, head	3			CXL	2016	49		2017	
FB 2005	Cane berries (subgroup)	0.01 (*)			CXL	2016	49		2017	
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, dry	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)	0.2		CXL	2016	49		2017	
VO	0440	Egg plant	0.4		CXL	2016	49		2017	
PE	0112	Eggs	0.03		CXL	2016	49		2017	
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	
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	
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 fodder	4	(dw)	CXL	2016	49		2017	
FS	0012	Stone fruits (group)	0.01	(*)	CXL	2016	49		2017	
VR	0596	Sugar beet	0.5		CXL	2016	49		2017	
DM	0596	Sugar beet molasses	7		CXL	2016	49		2017	

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

285 Flupyradifurone

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado	0.6		3	2019	52			
SB	0715	Cacao beans	0.01	(*)	3	2019	52			
FB	2005	Cane berries (subgroup)	6		3	2019	52			
SB	0716	Coffee beans	0.9		3	2019	52			
DH	1100	Hops, dry	10		3	2019	52			
AL	3350	Alfalfa hay	30	(dw)	CXL	2016	49		2017	
DF	0226	Apples, dried	2		CXL	2016	49		2017	
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, shelled	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	
VB	0404	Cauliflower	6		CXL	2016	49		2017	
GC	0080	Cereal grains	3		(except maize and rice)	CXL	2016	49	2017	
FS	0013	Cherries (subgroup)	2		CXL	2017	50		2018	
SO	0691	Cotton seed	0.8		CXL	2016	49		2017	
VC	0424	Cucumber	0.4		CXL	2016	49		2017	
DF	0269	Dried grapes (=currants, raisins and sultanas)	8		CXL	2016	49		2017	
MO	0105	Edible offal (mammalian)	4		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs			CXL	2016	49		2017	
FB	0269	Grapes			CXL	2016	49		2017	
FC	0002	Lemons and limes (including citron) (subgroup)			CXL	2016	49		2017	
VL	0482	Lettuce, head			CXL	2016	49		2017	
GC	0645	Maize			CXL	2016	49		2017	
AS	3490	Maize bran, unprocessed			CXL	2016	49		2017	
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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		(except potato)	CXL	2016	49		2017	
VD	0541	Soya bean (dry)			CXL	2016	49		2017	
AL	3354	Soya bean hay		(dw)	CXL	2016	49		2017	
VC	0431	Squash, summer			CXL	2016	49		2017	
AS	0081	Straw and fodder (dry) of cereal grains		(dw)	CXL	2016	49		2017	
FB	0275	Strawberry			CXL	2016	49		2017	
VO	0447	Sweet corn (corn-on-the- cob)			CXL	2016	49		2017	
VR	0508	Sweet potato			CXL	2016	49		2017	
VO	0448	Tomato			CXL	2016	49		2017	
CM	0654	Wheat bran, unprocessed			CXL	2016	49		2017	
CF	1210	Wheat germ			CXL	2016	49		2017	
CF	1212	Wheat wholemeal			CXL	2016	49		2017	

290 Isofetamid

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.05 mg/kg bw (2016)

ARfD: 3 mg/kg bw (2016)

Residue: For compliance with MRLs and for dietary risk assessment for plant commodities: Isofetamid.

For compliance with MRLs and for dietary risk assessment for animal commodities: Sum of isofetamid and 2-[3-methyl-4-[2-methyl-2-(3-methylthiophene-2-carboxamido)propanoyl]phenoxy]propanoic acid (PPA), expressed as isofetamid. The residue is fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FB 2006	Bush berries (subgroup)	5			4	2018	51			CCPR kept the proposed MRLs for bush berries (subgroup); dry beans (except soya bean, (dry)) (subgroup); and dry peas (subgroup) at Step 4 awaiting for a re-evaluation by the 2019 JMPR, in light of the reservation (bush berries) and comments (remaining aforesaid commodities) of the EU, Norway and Switzerland on the calculations used to derive the proposed MRLs (51:121).
FB 2006	Bush berries (subgroup)	4			3	2019	52			
VD 2065	Dry beans (subgroup)	0.05		(except soya beans (dry))	4	2018	51			See bush berries (subgroup).
VD 2065	Dry beans (subgroup)	0.09		(except soya beans)	3	2019	52			
VD 2066	Dry peas (subgroup)	0.05			4	2018	51			See bush berries (subgroup).
VD 2066	Dry peas (subgroup)	0.09			3	2019	52			
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	0.6			CXL	2018	51		2019	
FB 2005	Cane berries (subgroup)	3			CXL	2018	51		2019	
FS 0013	Cherries (subgroup)	4			CXL	2018	51		2019	
DF 0269	Dried grapes (=currants, raisins and sultanas)	7			CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	Edible offal (mammalian)			CXL	2016	49		2017	
PE	0112	Eggs			CXL	2016	49		2017	
VL	0482	Lettuce, head			CXL	2016	49		2017	
VL	0483	Lettuce, leaf			CXL	2016	49		2017	
FB	2009	Low growing berries (subgroup)		(includes all commodities in this subgroup)	CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)			CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2016	49		2017	
ML	0106	Milks			CXL	2016	49		2017	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2018	51		2019	
VP	2061	Peas with pods (subgroup)			CXL	2018	51		2019	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2018	51		2019	
FP	0009	Pome fruits (group)			CXL	2018	51		2019	
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	2018	51		2019	
SO	0495	Rape seed			CXL	2016	49		2017	
OR	0495	Rape seed oil, edible			CXL	2016	49		2017	
FB	2008	Small fruit vine climbing (subgroup)			CXL	2016	49		2017	

292 Pendimethalin

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.1 mg/kg bw (2016)

ARfD: 1 mg/kg bw (2016)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	2006	Bush berries (subgroup)	0.05	(*)	3	2019	52			
FB	2005	Cane berries (subgroup)	0.05	(*)	3	2019	52			
HH	0738	Mints	0.2		3	2019	52			
OR	0738	Peppermint oil, edible	6		3	2019	52			
FB	0275	Strawberry	0.05	(*)	3	2019	52			
AL	1020	Alfalfa fodder	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
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	
VA	0381	Garlic	0.05	(*)	CXL	2016	49		2017	
AS	0162	Hay or fodder (dry) of grasses	2500	(dw)	CXL	2016	49		2017	
DH	1100	Hops, dry	0.05		CXL	2016	49		2017	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)	0.5		CXL	2016	49		2017	
VL	0054	Leaves of Brassicaceae	0.3		except kale	CXL	2016	49		2017
VL	0483	Lettuce, leaf	4			CXL	2016	49		2017

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)			CXL	2016	49		2017	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	2016	49		2017	
FM	0183	Milk fats			CXL	2016	49		2017	
ML	0106	Milks			CXL	2016	49		2017	
VA	0385	Onion, bulb		(*)	CXL	2016	49		2017	
VA	0387	Onion, Welsh			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	
PF	0111	Poultry fats		(*)	CXL	2016	49		2017	
PM	0110	Poultry meat		(*)	CXL	2016	49		2017	
PO	0111	Poultry, edible offal of		(*)	CXL	2016	49		2017	
VA	0388	Shallot		(*)	CXL	2016	49		2017	
VA	0389	Spring onion			CXL	2016	49		2017	
TN	0085	Tree nuts (group)			CXL	2016	49		2017	

296 Cyclaniliprole

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	6			3	2019	52			
TN 0660	Almonds	0.03			3	2019	52			
FB 2006	Bush berries (subgroup)	1.5			3	2019	52			
VB 0041	Cabbages, head	0.7			3	2019	52			
FB 2005	Cane berries (subgroup)	0.8			3	2019	52			
FS 0013	Cherries (subgroup)	0.9			4	2017	50			CCPR agreed to keep all the proposed MRLs at Step 4 pending the evaluation of new data and revised GAP information by the 2019 JMPR. CCPR also invited JMPR to engage with national regulators to continue validation of the model
FS 0013	Cherries (subgroup)	0.7			3	2019	52			
VO 2700	Cherry tomato	0.1			4	2017	50			See cherries. Recommended for withdrawal.
FC 0001	Citrus fruits (group)	0.4			3	2019	52			
OR 0001	Citrus oil, edible	50			3	2019	52			
MO 0105	Edible offal (mammalian)	0.01		(*)	4	2017	50			See cherries
MO 0105	Edible offal (mammalian)	0.2			3	2019	52			
VO 2046	Eggplants (subgroup)	0.1			4	2017	50			See cherries
VO 2046	Eggplants (subgroup)	0.15			3	2019	52			
PE 0112	Eggs	0.01		(*)	3	2019	52			
FB 0267	Elderberries	1.5			3	2019	52			
VB 0042	Flowerhead brassicas (subgroup)	1			4	2017	50			See cherries

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0042	Flowerhead brassicas (subgroup)			3	2019	52			
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)			4	2017	50			See cherries
VC	2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes (subgroup)			3	2019	52			
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)			4	2017	50			See cherries
VC	2040	Fruiting vegetables, cucurbits – melons, pumpkins and winter squashes (subgroup)			3	2019	52			
FB	0269	Grapes			4	2017	50			See cherries
FB	0269	Grapes			3	2019	52			
FB	2254	Guelder rose			3	2019	52			
VB	2036	Head brassicas			4	2017	50			See cherries. Recommended for withdrawal.
VL	2050	Leafy greens (subgroup)			3	2019	52			
VL	0054	Leaves of Brassicaceae			3	2019	52			
VL	0054	Leaves of Brassicaceae (subgroup)			4	2017	50			See cherries
FB	2009	Low growing berries (subgroup)		(except cranberries)	3	2019	52			
MF	0100	Mammalian fats (except milk fats)			4	2017	50			See cherries
MF	0100	Mammalian fats (except milk fats)			3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)			4	2017	50			See cherries
MM	0095	Meat (from mammals other than marine mammals)			3	2019	52			
FM	0183	Milk fats			4	2017	50			See cherries
FM	0183	Milk fats			3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks			4	2017	50			See cherries
ML	0106	Milks			3	2019	52			
FS	2001	Peaches (including apricots and nectarine) (subgroup)			4	2017	50			See cherries
FS	2001	Peaches (including apricots and nectarine) (subgroup)			3	2019	52			
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	4	2017	50			See cherries
VO	0051	Peppers (subgroup)		(except martynia, okra and roselle)	3	2019	52			
HS	0444	Peppers chili, dried			4	2017	50			See cherries
HS	0444	Peppers chili, dried			3	2019	52			
FS	0014	Plums (including fresh prunes) (subgroup)			4	2017	50			See cherries
FS	0014	Plums (including fresh prunes) (subgroup)			3	2019	52			
FP	0009	Pome fruits (group)			4	2017	50			See cherries. Recommended for withdrawal.
FP	0009	Pome fruits (group)		(excluding Japanese persimmons)	3	2019	52			
PF	0111	Poultry fats			3	2019	52			
PM	0110	Poultry meat			3	2019	52			
PO	0111	Poultry, edible offal of			3	2019	52			
DF	0014	Prunes			4	2017	50			See cherries
DF	0014	Prunes			3	2019	52			
AS	0081	Straw and fodder (dry) of cereal grains		(dw)	4	2017	50			See cherries
DT	1114	Tea, green, black (black, fermented and dried)			3	2019	52			
VO	0448	Tomato			4	2017	50			See cherries. Recommended for withdrawal.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DV	0448	Tomato, dried	0.4		4	2017	50			See cherries
DV	0448	Tomato, dried	0.35		3	2019	52			
VO	2045	Tomatoes (subgroup)	0.08		3	2019	52			
VR	2071	Tuberous and corm vegetables (subgroup)	0.01 (*)		3	2019	52			

297 Fenazaquin

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)			3	2019	52			
MO 0105	Edible offal (mammalian)	0.02 (*)			3	2019	52			
MF 0100	Mammalian fats (except milk fats)	0.02 (*)			3	2019	52			
MM 0095	Meat (from mammals other than marine mammals)	0.02 (*) (fat)			3	2019	52			
FM 0183	Milk fats	0.02 (*)			3	2019	52			
ML 0106	Milks	0.02 (*)			3	2019	52			
TN 0085	Tree nuts (group)	0.02			3	2019	52			
FS 0013	Cherries (subgroup)	2			CXL	2017	50		2018	
DH 1100	Hops, dry	30			CXL	2017	50		2018	

302 Fosetyl AI

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-1 mg/kg bw (The ADI applied directly to Fosetyl-AI and to Phosphonic acid).

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid. For compliance with the MRL and for estimation of dietary exposure for animal commodities: Phosphonic acid. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0264	Blackberries	70		(Based on Fosetyl-AI use)	3	2019	52		
SB	0716	Coffee beans	30		(Based on Fosetyl-AI use)	3	2019	52		
PE	0112	Eggs	0.05	(*)		3	2019	52		
VB	0042	Flowerhead brassicas (subgroup)	0.2	(*)	(Based on Fosetyl use)	3	2019	52		
VB	2036	Head brassicas	0.2	(*)	(Based on Fosetyl use)	3	2019	52		
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)	3	2019	52		
FI	0341	Kiwifruit	150		(Based on Fosetyl-AI use)	3	2019	52		
MF	0100	Mammalian fats (except milk fats)	0.3			3	2019	52		
FI	0353	Pineapple	15		(Based on Fosetyl-AI use)	3	2019	52		
PF	0111	Poultry fats	0.05	(*)		3	2019	52		
PM	0110	Poultry meat	0.05	(*)		3	2019	52		
PO	0111	Poultry, edible offal of	0.05	(*)		3	2019			
FI	0326	Avocado	20			CXL	2017	50		2018
VC	0424	Cucumber	60			CXL	2017	50		2018
MO	0105	Edible offal (mammalian)	0.5			CXL	2017	50		2018
FB	0269	Grapes	60			CXL	2017	50		2018
DH	1100	Hops, dry	1500			CXL	2017	50		2018
VL	0482	Lettuce, head	200			CXL	2017	50		2018

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0483	Lettuce, leaf			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	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2017	50		2018	
VC	0046	Melons, except watermelon			CXL	2017	50		2018	
ML	0106	Milks			CXL	2017	50		2018	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)			CXL	2017	50		2018	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2017	50		2018	
FP	0009	Pome fruits (group)			CXL	2017	50		2018	
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	

307 Mandestrobin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.2 mg/kg bw (2018)

ARfD: 3 mg/kg bw (for women of child-bearing age) (2018)

Residue: Definition of the residue for compliance with MRL in plant and animal commodities and for dietary risk assessment in plant commodities: Mandestrobin.Definition of the residue for acute dietary risk assessment in animal commodities: Sum of parent,(2RS)-2-[2-(4-hydroxy-2,5-dimethylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (4-OH-mandestrobin) + (2RS)-2-(2-hydroxymethylphenyl)-2-methoxy-N-methylacetamide (De-XY-mandestrobin) + 2RS)-2-[2-(2-hydroxymethyl-5-methylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (2-CH₂-OH-mandestrobin) +

2-({2-[(1RS)-1-methoxy-2-(methylamino)-2-oxoethyl]benzyl}oxy)-4-methylbenzoic acid (2-COOH-mandestrobin), +

3-({2-[(1RS)-1-methoxy-2-(methylamino)-2-oxoethyl]benzyl}oxy)-4-methylbenzoic acid (5-COOH-mandestrobin) and their conjugates, expressed as parent compound.

Definition of the residue for long-term dietary risk assessment in animal commodities: Sum of parent,

(2RS)-2-[2-(4-hydroxy-2,5-dimethylphenoxyethyl)phenyl]-2-methoxy-N-methylacetamide (4-OH-mandestrobin), and its conjugates, expressed as parent compound.

The residue is fat-soluble.

Note: 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									
DF	0269 Dried grapes (=currants, raisins and sultanas)	10			3	2019	52			
MO	0105 Edible offal (mammalian)	0.01 (*)			3	2019	52			
PE	0112 Eggs	0.01 (*)			3	2019	52			
FB	0269 Grapes	5			3	2019	52			
MF	0100 Mammalian fats (except milk fats)	0.01 (*)			3	2019	52			
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)			3	2019	52			
ML	0106 Milks	0.01 (*)			3	2019	52			
PF	0111 Poultry fats	0.01 (*)			3	2019	52			
PM	0110 Poultry meat	0.01 (*)			3	2019	52			
PO	0111 Poultry, edible offal of	0.01 (*)			3	2019	52			
SO	0495 Rape seed	0.2			3	2019	52			
FB	0275 Strawberry	3			3	2019	52			

309 Pydiflumetofen

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0640	50			3	2019	52			
		(dw)								
GC	2087	3			3	2019	52			
VB	0040	0.1		(except Brassica leafy vegetables)	3	2019	52			
SO	0691	0.3			3	2019	52			
VD	2065	0.4			3	2019	52			
VD	2066				(subgroup)		0.4	3	2019	52
MO	0105	0.1			3	2019	52			
PE	0112	0.02			3	2019	52			
VC	0045	0.4			3	2019	52			
VO	0050	0.5		(except martynia, okra and roselle)	3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	2050	Leafy greens (subgroup)			3	2019	52			On the basis of the information provided to JMPR, it was concluded that the estimated acute dietary exposure to residues of pydiflumetofen for the consumption of leafy greens may present a public health concern
VL	0054	Leaves of Brassicaceae			3	2019	52			
VL	2052	Leaves of root and tuber vegetables (subgroup)		(except leaves of tuber vegetables)	3	2019	52			
AL	0157	Legume animal feeds	30	(dw)	3	2019	52			
VP	0060	Legume vegetables (group)	0.02		3	2019	52			
GC	2091	Maize cereals (subgroup)	0.04		3	2019	52			
CF	1255	Maize flour	0.07		3	2019	52			
AS	0645	Maize fodder (dry)	18	(dw)	3	2019	52			
OR	0645	Maize oil, edible	0.08		3	2019	52			
MF	0100	Mammalian fats (except milk fats)	0.1		3	2019	52			
VO	2709	Martynia	0.02		3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	3	2019	52			
ML	0106	Milks	0.01	(*)	3	2019	52			
AS	0646	Millet fodder, dry	0.3	(dw)	3	2019	52			
AS	0647	Oat straw and fodder, dry	50	(dw)	3	2019	52			
VO	0442	Okra	0.02		3	2019	52			
SO	0697	Peanut	0.05		3	2019	52			
OR	0697	Peanut oil, edible	0.15		3	2019	52			
HS	0444	Peppers chili, dried	5		3	2019	52			
DV	0589	Potato, dried	0.5		3	2019	52			
PF	0111	Poultry fats	0.01	(*)	3	2019	52			
PM	0110	Poultry meat	0.01	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2019	52			
GC	2088	Rice cereals (subgroup)	0.03		3	2019	52			
AS	0649	Rice straw and fodder, dry	0.3	(dw)	3	2019	52			
VR	2070	Root vegetables (subgroup)	0.1		3	2019	52			

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0446	Roselle	0.02		3	2019	52			
AS	0650	Rye straw and fodder, dry	50	(dw)	3	2019	52			
SO	2090	Small seed oilseeds (subgroup)	0.9		3	2019	52			
GC	2089	Sorghum grain and millet (subgroup)	0.03		3	2019	52			
AS	0651	Sorghum straw and fodder, dry	0.3	(dw)	3	2019	52			
VS	2080	Stems and petioles (subgroup)	15		3	2019	52			
SO	2091	Sunflower seeds (subgroup)	0.3		3	2019	52			
GC	2090	Sweet corns (subgroup)	0.03		3	2019	52			
DV	0448	Tomato, dried	7		3	2019	52			
AS	0653	Triticale straw and fodder, dry	50	(dw)	3	2019	52			
VR	2071	Tuberous and corm vegetables (subgroup)	0.1		3	2019	52			
CF	0654	Wheat bran, processed	1		3	2019	52			
CF	1210	Wheat germ	0.6		3	2019	52			
AS	0654	Wheat straw and fodder, dry	50	(dw)	3	2019	52			
GC	2086	Wheat, similar grains, and pseudocereals without husks (subgroup)	0.4		3	2019	52			
DF	0269	Dried grapes (=currants, raisins and sultanas)	4		CXL	2018	51		2019	
FB	2008	Small fruit vine climbing (subgroup)	1.5		CXL	2018	51		2019	

310 Pyriofenone

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
MO	0105	Edible offal (mammalian)	0.01	(*)	3	2019	52			
PE	0112	Eggs	0.01	(*)	3	2019	52			
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	3	2019	52			
ML	0106	Milks	0.01	(*)	3	2019	52			
PF	0111	Poultry fats	0.01	(*)	3	2019	52			
PM	0110	Poultry meat	0.01	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2019	52			
FB	2006	Bush berries (subgroup)	1.5		CXL	2018	51		2019	
FB	2005	Cane berries (subgroup)	0.9		CXL	2018	51		2019	
DF	0269	Dried grapes (=currants, raisins and sultanas)	2.5		CXL	2018	51		2019	
VC	0045	Fruiting vegetables, cucurbits (group)	0.2		CXL	2018	51		2019	
FB	2009	Low growing berries (subgroup)	0.5		CXL	2018	51		2019	
FB	2008	Small fruit vine climbing (subgroup)	0.8		CXL	2018	51		2019	

Part 1-A: Pesticides which are for consideration by CCPR52 arising from the JMPR 2019 evaluations in May and September 2019 (extraordinary/regular meetings)

3. PERIODIC REVIEW

27 Dimethoate

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.02 mg/kg bw (2019, reaffirmed)

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

Residue definition for dietary risk assessment for plant and animal commodities: The Meeting was unable to recommend a definition for dietary risk assessment.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe			CXL	03	37		2005	Recommended for withdrawal
VS	0621	Asparagus			CXL	98	34	32	2003	Recommended for withdrawal
GC	0640	Barley			CXL	98	38	32,34-37	2006	Recommended for withdrawal
VB	0402	Brussels sprouts			CXL	03	37	36	2005	Recommended for withdrawal
VB	0403	Cabbage, Savoy			CXL	98	34	32	2003	Recommended for withdrawal
MO	0812	Cattle, edible offal of			CXL	98	34	32	2003	Recommended for withdrawal
VB	0404	Cauliflower			CXL	03	37	36	2005	Recommended for withdrawal
VS	0624	Celery			CXL	03	37		2005	Recommended for withdrawal
FS	0013	Cherries (subgroup)			CXL	98				Recommended for withdrawal
FC	0001	Citrus fruits (group)		(excluding kumquats)	CXL	03	45	36-38	2013	Recommended for withdrawal
PE	0112	Eggs			CXL	98	34	32	2003	Recommended for withdrawal
VL	0482	Lettuce, head			CXL	08	41		2009	Recommended for withdrawal
MF	0100	Mammalian fats (except milk fats)			CXL	98	34	32	2003	Recommended for withdrawal
FI	0345	Mango		Po	CXL	03	37	36	2005	Recommended for withdrawal

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0096	Meat of cattle, goats, horses, pigs & sheep	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
ML	0107	Milk of cattle, goats & sheep	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
FP	0230	Pear	1		CXL				1991	Recommended for withdrawal
VP	0063	Peas (pods and succulent=immature seeds)	1		CXL	98	37	32,34-36	2005	Recommended for withdrawal
HS	0444	Peppers chili, dried	3		CXL	08	41		2009	Recommended for withdrawal
VO	0445	Peppers, sweet (including pimento or pimienta)	0.5		CXL	08	41		2009	Recommended for withdrawal
VR	0589	Potato	0.05		CXL					Recommended for withdrawal
PF	0111	Poultry fats	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
PM	0110	Poultry meat	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
PO	0111	Poultry, edible offal of	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
MO	0822	Sheep, edible offal of	0.05	(*)	CXL	98	34	32	2003	Recommended for withdrawal
HS	0191	Spices, fruits and berries	0.5		CXL		37		2005	Recommended for withdrawal
HS	0193	Spices, roots and rhizomes	0.1	(*)	CXL		37		2005	Recommended for withdrawal
HS	0190	Spices, seeds	5		CXL		37		2005	Recommended for withdrawal
VR	0596	Sugar beet	0.05		CXL	98				Recommended for withdrawal
FT	0305	Table olives	0.5		CXL	03	37	36	2005	Recommended for withdrawal
VL	0506	Turnip greens	1		CXL	98	37	32,35,36	2005	Recommended for withdrawal
VR	0506	Turnip, Garden	0.1		CXL	98	37	32,34-36	2005	Recommended for withdrawal

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0654	Wheat			CXL	03	37	36	2005	Recommended for withdrawal
AS	0654	Wheat straw and fodder, dry			CXL	03	37	36	2005	Recommended for withdrawal

CONSEQUENTIAL REVIEW

55 Omethoate

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
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 apply to residues that may have resulted from The use of dimethoate (see also Spices, roots and rhizomes)
HS	0193	Spices, roots and rhizomes		Residues of omethoate resulting from the use of dimethoate.	CXL	10	44	43	2012	Recommended for withdrawal See spices, fruits and berries

187 Clethodim

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2019)

Residue: Definition of the 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.

Definition of the residue 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.

Definition of the residue 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									
AL	1020 Alfalfa fodder	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

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	(*)	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
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

191 Tolclofos-Methyl

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2019)

Residue: Definition of the residue for compliance with the MRL for plant and animal commodities: Tolclofos-methyl.

Definition of the residue 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.

Definition of the residue for dietary risk assessment for animal commodities: Sum of tolclofos-methyl and 3,5-dichloro-4-hydroxybenzoic acid (ph-COOH), expressed as tolclofos-methyl. 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)	0.01	(*)	3	2019	52			
PE	0112	Eggs	0.01	(*)	3	2019	52			
VL	2050	Leafy greens (subgroup)	0.7		3	2019	52			
				(except spinach, purslane and chard)						
VL	0482	Lettuce, head	2		CXL	94	28		1997	Recommended for withdrawal
VL	0483	Lettuce, leaf	2		CXL	94	28		1997	Recommended for withdrawal
MF	0100	Mammalian fats (except milk fats)	0.01	(*)	3	2019	52			
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	3	2019	52			
ML	0106	Milks	0.01	(*)	3	2019	52			
VR	0589	Potato	0.2		CXL	94	28		1997	
VR	0589	Potato	0.3		3	2019	52			
PF	0111	Poultry fats	0.01	(*)	3	2019	52			
PM	0110	Poultry meat	0.01	(*)	3	2019	52			
PO	0111	Poultry, edible offal of	0.01	(*)	3	2019	52			
VR	0494	Radish	0.1		CXL	94	28		1997	Recommended for withdrawal

PART 1.2

COMPOUNDS IN THE CODEX DATABASE OR MRLs FOR PESTICIDES IN FOOD AND FEED WHICH ARE NOT FOR CONSIDERATION BY CCPR52

Presented for completeness/information only

2 Azinphos-Methyl

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

Residue: For compliance with MRLs and for estimation of dietary exposure for plant and animal commodities: Captan. The residue is not fat soluble.

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

8 Carbaryl

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.2 mg/kg bw (2001)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	50		CXL	02	36	35	2004	
VS	0621	Asparagus	15		CXL	02	36	35	2004	
VR	0574	Beetroot	0.1		CXL	02	36	35	2004	
VR	0577	Carrot	0.5		CXL	02	36	35	2004	
FC	0001	Citrus fruits (group)	15		CXL	02	45	35-41	2013	
FB	0265	Cranberry	5		CXL	07	40		2008	
VO	0440	Egg plant	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 pimiento)	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 straw and fodder, dry	120		CXL	02	36	35	2004	
CM	1205	Rice, polished	1		CXL	02	36	35	2004	
GC	0651	Sorghum	10	Po T	CXL		31		1999	
AF	1053	Sorghum forage (dry)	50		CXL	02	36	35	2004	

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	02	35		2003	
AL	0541	Soya bean fodder	15		CXL	02	36	35	2004	
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	
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-	0.1		CXL	02	36	35	2004	
AB	0447	Sweet corn cannery waste	7.4		CXL	02	36	35	2004	
VR	0508	Sweet potato	0.02	(*)	CXL	02	36	35	2004	
FT	0305	Table olives	30		CXL	02	36	35	2004	
VO	0448	Tomato	5		CXL	02	36	35	2004	
JF	0448	Tomato juice	3		CXL	02	36	35	2004	
VW	0448	Tomato paste	10		CXL	02	36	35	2004	
TN	0085	Tree nuts (group)	1		CXL	02	36	35	2004	
VR	0506	Turnip, Garden	1		CXL	02	36	35	2004	
GC	0654	Wheat	2		CXL	02	36	35	2004	
CM	0654	Wheat bran, unprocessed	2		CXL	02	36	35	2004	
CF	1211	Wheat flour	0.2		CXL	02	36	35	2004	
CF	1210	Wheat germ	1		CXL	02	36	35	2004	
AS	0654	Wheat straw and fodder, dry	30		CXL	02	36	35	2004	

15 Chlormequat

Main Uses: Plant growth regulator

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.05 mg/kg bw (1999)

Residue: For compliance with MRLs and for estimation of dietary exposure for plant and animal commodities: Sum of chlormequat cation. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley	2		CXL	2017	50		2018	
AS	0640	Barley straw and fodder, dry	50	(dw)	CXL	2017	50		2018	
SO	0691	Cotton seed	0.5		CXL	2017	50		2018	Recommended for withdrawal by JMPR 2017.
MO	0105	Edible offal (mammalian)	1		CXL	2017	50		2018	
PE	0112	Eggs	0.1		CXL	2017	50		2018	
FB	0269	Grapes	0.04	(*)	CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.1		CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)	0.2		CXL	2017	50		2018	
ML	0106	Milks	0.3		CXL	2017	50		2018	
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	
PM	0110	Poultry meat	0.04	(*)	CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.1		CXL	2017	50		2018	
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 straw and fodder, dry	80	(dw)	CXL	2017	50		2018	
GC	0654	Wheat	2		CXL	2017	50		2018	
CM	0654	Wheat bran, unprocessed	7		CXL	2017	50		2018	
AS	0654	Wheat straw and fodder, dry	80	(dw)	CXL	2017	50		2018	

17 Chlorpyrifos

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.1 mg/kg bw (2006)

Residue: For compliance with MRLs and estimation of dietary intake in plant and animal commodities: Chlorpyrifos. The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa fodder	5			CXL	00	35	34	2003	
TN	0660 Almonds	0.05			CXL	00	35	34	2003	
FI	0327 Banana	2			CXL	00	35	34	2003	
VB	0400 Broccoli	2			CXL	00	35	34	2003	
VB	0041 Cabbages, head	1			CXL	00	35	34	2003	
VR	0577 Carrot	0.1			CXL	00	35	34	2003	
MO	1280 Cattle kidney	0.01			CXL	00	35	34	2003	
MO	1281 Cattle liver	0.01			CXL	00	35	34	2003	
MM	0812 Cattle meat	1	(fat)		CXL	00	35	34	2003	
VB	0404 Cauliflower	0.05			CXL	00	35	34	2003	
VL	0467 Chinese cabbage (type pe-tsai)	1			CXL	00				
FC	0001 Citrus fruits (group)	1			CXL	00	45	30	2013	
SB	0716 Coffee beans	0.05			CXL	00	35	34	2003	
VP	0526 Common bean (pods and/or immature seeds)	0.01			CXL	00	35	34	2003	
SO	0691 Cotton seed	0.3			CXL	04	37		2005	
OR	0691 Cotton seed oil, edible	0.05	(*)		CXL	04	37		2005	
FB	0265 Cranberry	1			CXL	06	39		2007	
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.1			CXL	00	35	34	2003	
PE	0112 Eggs	0.01	(*)		CXL	00	35	34	2003	
FB	0269 Grapes	0.5			CXL	00	35	34	2003	
GC	0645 Maize	0.05			CXL	00	35	34	2003	
AS	0645 Maize fodder (dry)	10			CXL	00	35	34	2003	
OR	0645 Maize oil, edible	0.2			CXL	00	35	34	2003	
ML	0107 Milk of cattle, goats & sheep	0.02			CXL	00	35	34	2003	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0385	Onion, bulb			CXL	00	35	34	2003	
FS	0247	Peach			CXL	00	35	34	2003	
VP	0063	Peas (pods and succulent=immature seeds)			CXL	00	35	34	2003	
TN	0672	Pecan		(*)	CXL	00	35	34	2003	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	00	35	34	2003	
MM	0818	Pig meat		(fat)	CXL	00	35	34	2003	
MO	0818	Pig, edible offal of		(*)	CXL	00	35	34	2003	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	00	35	34	2003	
FP	0009	Pome fruits (group)			CXL	00	35	34	2003	
VR	0589	Potato			CXL	04	37		2005	
PM	0110	Poultry meat		(fat)	CXL	00	35	34	2003	
PO	0111	Poultry, edible offal of		(*)	CXL	00	35	34	2003	
GC	0649	Rice			CXL	04	37		2005	
MM	0822	Sheep meat		(fat)	CXL	00	35	34	2003	
MO	0822	Sheep, edible offal of			CXL	00	35	34	2003	
GC	0651	Sorghum			CXL	00	35	34	2003	
AS	0651	Sorghum straw and fodder, dry			CXL	00	35	34	2003	
VD	0541	Soya bean (dry)			CXL	04	37		2005	
OR	0541	Soya bean oil, refined			CXL	04	37		2005	
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	
FB	0275	Strawberry			CXL	00	35	34	2003	
VR	0596	Sugar beet			CXL	00	35	34	2003	
VO	0447	Sweet corn (corn-on-the-			CXL	00	35	34	2003	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	04	37		2005	
TN	0678	Walnuts		(*)	CXL	00	35	34	2003	
GC	0654	Wheat			CXL	00	35	34	2003	
CF	1211	Wheat flour			CXL	00	35	34	2003	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AS 0654	Wheat straw and fodder, dry	5			CXL	00	35	34	2003	

20 2,4-D

Main Uses: Herbicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2001)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0018	Berries and other small fruits	0.1		CXL	1998	34	32	2003	
FC	0001	Citrus fruits (group)	1	Po	CXL	2001	36	34,35	2004	
MO	0105	Edible offal (mammalian)	5		CXL	1998	34	32	2003	
PE	0112	Eggs	0.01	(*)	CXL	1998	32		2001	
AS	0162	Hay or fodder (dry) of grasses	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 straw and fodder, dry	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	0.01	(*)	CXL	1998	34	32	2003	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	1998	34	32	2003	
AL	0541	Soya bean fodder	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-	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 straw and fodder, dry	100		CXL	1998	32		2001	

22 Diazinon

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.005 mg/kg bw (2006)

ARfD: 0.03 mg/kg bw (2006)

Residue: For compliance with MRLs and estimation of dietary intake: Diazinon. 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				1995	
TN	0660	Almonds	0.05		CXL				1995	
FB	0264	Blackberries	0.1		CXL		28		1997	
FB	4079	Boysenberry	0.1		CXL		28		1997	
VB	0400	Broccoli	0.5		CXL		28		1997	
VB	0041	Cabbages, head	0.5		CXL	99	37	33-36	2005	
VC	4199	Cantaloupe	0.2		CXL		28		1997	
VR	0577	Carrot	0.5		CXL		28		1997	
FS	0013	Cherries (subgroup)	1		CXL		28		1997	
PE	0840	Chicken eggs	0.02	(*)	CXL	96	30		1999	
PM	0840	Chicken meat	0.02	(*)	CXL	96	30		1999	
PO	0840	Chicken, edible offal of	0.02	(*)	CXL	96	30		1999	
VL	0467	Chinese cabbage (type pe-tsai)	0.05		CXL		28		1997	
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL		28		1997	
FB	0265	Cranberry	0.2		CXL	06	39		2007	
VC	0424	Cucumber	0.1		CXL		28		1997	
FB	0021	Currants, black, red, white	0.2		CXL		28		1997	
VP	0529	Garden pea, shelled (succulent seeds)	0.2		CXL		28		1997	
MM	0814	Goat meat	2	(fat) V	CXL	99	36	33-35	2004	The MRL accommodates external animal treatment.
DH	1100	Hops, dry	0.5		CXL	94	28		1997	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)			CXL				1995	
MO	0098	Kidney of cattle, goats, pigs and sheep	V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	
FI	0341	Kiwifruit			CXL		28		1997	
VB	0405	Kohlrabi			CXL		28		1997	
VL	0482	Lettuce, head			CXL		28		1997	
VL	0483	Lettuce, leaf			CXL		28		1997	
MO	0099	Liver of cattle, goats, pigs & sheep	V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	
GC	0645	Maize			CXL				1995	
MM	0097	Meat of cattle, pigs & sheep	(*) (fat) V	The MRL accommodates external animal treatment.	CXL	96,99	36	30,33-35	2004	
ML	0106	Milks	F	The MRL accommodates external animal treatment.	CXL	96,99			1995	
VA	0385	Onion, bulb			CXL				1995	
FS	0247	Peach			CXL		28		1997	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
VO	0445	Peppers, sweet (including pimento or pimienta)			CXL				1995	
FI	0353	Pineapple			CXL		28		1997	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL		28		1997	
FP	0009	Pome fruits (group)			CXL	99	36	33-35	2004	
VR	0589	Potato	(*)		CXL				1995	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
DF	0014	Prunes	2		CXL		28		1997	
VR	0494	Radish	0.1		CXL		28		1997	
FB	0272	Raspberries, red, black	0.2		CXL		28		1997	
HS	0191	Spices, fruits and berries	0.1	(*)	CXL		37		2005	
HS	0193	Spices, roots and rhizomes	0.5		CXL		37		2005	
HS	0190	Spices, seeds	5		CXL		37		2005	
VL	0502	Spinach	0.5		CXL		28		1997	
VA	0389	Spring onion	1		CXL		28		1997	
VC	0431	Squash, summer	0.05		CXL		28		1997	
FB	0275	Strawberry	0.1		CXL		28		1997	
VR	0596	Sugar beet	0.1		CXL				1995	
VO	0447	Sweet corn (corn-on-the-	0.02		CXL				1995	
VO	0448	Tomato	0.5		CXL		28		1997	
TN	0678	Walnuts	0.01	(*)	CXL				1995	

25 Dichlorvos

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

30 Diphenylamine

Main Uses: Storage scald preventer

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	Po		CXL	01	35	34	2003	
JF	0226	Apple juice	PoP		CXL	01	35	34	2003	
MO	1280	Cattle kidney	(*)		CXL	01	35	34	2003	
MO	1281	Cattle liver			CXL	01	35	34	2003	
MM	0812	Cattle meat	(*) (fat)		CXL	01	35	34	2003	
FM	0183	Milk fats			CXL	08	41		2009	
ML	0106	Milks	(*)		CXL	08	41		2009	
FP	0230	Pear	Po		CXL	01	36	34,35	2004	

31 Diquat

Main Uses: Herbicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.006 mg/kg bw (2013)

ARfD: 0.8 mg/kg bw (2013)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Diquat ion. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.02 (*)			CXL	2013	46		2014	
GC	0640 Barley	5			CXL	2018	51		2019	
AS	0640 Barley straw and fodder, dry	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) peas, dry)	0.9	(except chick-	CXL		2018	51 2019
MO	0105 Edible offal (mammalian)	0.01 (*)			CXL	2013, 2018	51	46	2019	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PE	0112	Eggs			CXL	2013, 2018	51	46	2019	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except sweetcorn, fungi and mushrooms)	CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)			CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2013, 2018	51	46	2019	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks	0.001	(*)	CXL	2013, 2018	51	46	2019	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).
AL	0072	Pea hay or pea fodder (dry)	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	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111 Poultry, edible offal of	0.01 (*)			CXL	2013, 2018	51	46	2019	Maintained the MRLs for beans (dry), edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; and poultry, edible offal of at Step 4 (46:40). CCPR noted that MRLs for beans, dry and for livestock commodities at Step 4 and CXLs were retained awaiting data from Canada and Australia (47:44).
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 straw and fodder, dry	40 (dw)			CXL	2018	51		2019	

32 Endosulfan

Main Uses: Acaricide and Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.006 mg/kg bw (1998)

ARfD: 0.02 mg/kg bw (1998)

Residue: For compliance with MRL and for estimation of dietary intake for animal and plant commodities: Sum of alpha endosulfan, beta endosulfan and endosulfan sulfate.
The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado	0.5		CXL	06	39		2007	
SB	0715	Cacao beans	0.2		CXL	06	39		2007	
SB	0716	Coffee beans	0.2		CXL	06	39		2007	
SO	0691	Cotton seed	0.3		CXL	06	39		2007	
VC	0424	Cucumber	1		CXL	06	39		2007	
FI	0322	Custard apple	0.5		CXL	06	39		2007	
VO	0440	Egg plant	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	

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.002 mg/kg bw (1990)

ARfD: N/A

Residue: Ethion (fat-soluble)

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

37 Fenitrothion

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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-
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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Dried grapes (=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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: Not necessary.

ARfD: N/A

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

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

47 Bromide Ion

Main Uses: Generic

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 1 mg/kg bw (confirmed 1988)

ARfD: N/A

Residue: Bromide ion from all sources but not including covalently bound bromine.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0326	Avocado			CXL					
VP	0522	Broad bean (green pods and immature seeds)			CXL		28		1997	
VB	0400	Broccoli			CXL		28		1997	
VB	0041	Cabbages, head			CXL				1991	
VS	0624	Celery			CXL				1991	
GC	0080	Cereal grains			CXL				1991	
FC	0001	Citrus fruits (group)			CXL					
VC	0424	Cucumber			CXL		28		1997	
DF	0295	Dates, dried or dried and candied			CXL					
DF	0167	Dried fruits		Except as otherwise listed.	CXL					
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL					
DH	0170	Dried herbs			CXL					
DF	0297	Figs, dried or dried and candied			CXL					
AO	0002	Fruits (except as otherwise listed)			CXL					
VP	0528	Garden pea (young pods)=(succulent, immature seeds)			CXL		28		1997	
VL	0482	Lettuce, head			CXL					
VO	0442	Okra			CXL		28		1997	
DF	0247	Peach, dried			CXL					
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL		28		1997	
FS	4072	Prunes (see plums)			CXL					

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VR	0494	Radish			CXL		28		1997	
HS	0093	Spices			CXL					
VC	0431	Squash, summer			CXL					
FB	0275	Strawberry			CXL					
VO	0448	Tomato			CXL					
VL	0506	Turnip greens			CXL		28		1997	
VR	0506	Turnip, Garden			CXL		28		1997	
CF	1212	Wheat wholemeal			CXL					

49 Malathion

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 2 mg/kg bw (2003)

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0269	Grapes	5		CXL	04	38	37	2006	The Committee noted the CXL was based on European GAPs which no longer existed. The Committee agreed to retain the CXL, awaiting the outcome of the periodic review by JMPR to be considered in 2014 for scheduling. (42-31,32)
GC	0645	Maize	0.05		CXL	99	38	33-37	2006	
VL	0485	Mustard greens	2		CXL	99	36	33-35	2004	
VA	0385	Onion, bulb	1		CXL	99	36	33-35	2004	
VO	0051	Peppers (subgroup)	0.1		CXL	99	34	33	2003	
HS	0444	Peppers chili, dried	1		CXL	04	38	37	2006	
GC	0651	Sorghum	3		CXL	99	38	33-37	2006	
HS	0191	Spices, fruits and berries	1		CXL		37		2005	
HS	0193	Spices, roots and rhizomes	0.5		CXL		37		2005	
HS	0190	Spices, seeds	2		CXL		37		2005	
VL	0502	Spinach	3		CXL	99	34	33	2003	
VA	0389	Spring onion	5		CXL	99	36	33,35	2004	
FB	0275	Strawberry	1		CXL	99				
VO	0447	Sweet corn (corn-on-the-	0.02		CXL	99	36	33-35	2004	
VO	0448	Tomato	0.5		CXL	99	34	33	2003	
JF	0448	Tomato juice	0.01		CXL	99	36	33-35	2004	
VL	0506	Turnip greens	5		CXL	99	36	33-35	2004	
VR	0506	Turnip, Garden	0.2		CXL	99	34	33	2003	
GC	0654	Wheat	10		CXL	08	41		2009	
CM	0654	Wheat bran, unprocessed	25		CXL	08	41		2009	
CF	1211	Wheat flour	0.2		CXL	00	38	33,35-37	2006	

51 Methidathion

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.001 mg/kg bw (1992), confirmed (1997)

ARfD: 0.01 mg/kg bw (1997)

Residue: Methidathion

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) except those listed below.

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

56 2-Phenylphenol

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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, dry	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.006 mg/kg bw (2009)

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	0.01 (*)			CXL	04	38	37	2006	
FI	0030 Assorted tropical and sub-tropical fruits - inedible peel	0.01 (*)			CXL	04	38	37	2006	
FB	0018 Berries and other small fruits	0.01 (*)			CXL	04	38	37	2006	
FC	0001 Citrus fruits (group)	0.02			CXL	04	38	37	2006	
SO	0691 Cotton seed	2			CXL	04	38	37	2006	
MO	0105 Edible offal (mammalian)	0.05			CXL	04	38	37	2006	
PE	0112 Eggs	0.005 (*)			CXL	04	38	37	2006	
VC	0045 Fruiting vegetables, cucurbits (group)	0.02			CXL	04	38	37	2006	
VO	0050 Fruiting vegetables, other than cucurbits (group)	0.05			CXL	04	38	37	2006	
DH	1100 Hops, dry	0.1			CXL	04	38	37	2006	
VL	0053 Leafy vegetables	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	0.5			CXL	04	38	37	2006	
GC	0649 Rice	0.05			CXL	09	42		2010	
AS	0649 Rice straw and fodder, dry	0.05			CXL	09	42		2010	
VR	0075 Root and tuber vegetables	0.05			CXL	04	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0651 Sorghum	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 fodder	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.004 mg/kg bw (1995)

ARfD: 0.01 mg/kg bw (1995)

Residue: Parathion

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

59 Parathion-Methyl

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.003 mg/kg bw (1995)

ARfD: 0.03 mg/kg bw (1995)

Residue: For compliance with MRLs: Parathion-methyl. For estimation of dietary intake: Sum of parathion-methyl and para-oxon methyl expressed as parathion-methyl.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.2			CXL	00	36	34,35	2004	
VD	0071 Beans (dry)	0.05 (*)			CXL	94,00	29	28	1997	
VB	0041 Cabbages, head	0.05			CXL	00	36	34,35	2004	
DF	0269 Dried grapes (=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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.2 mg/kg bw (1995)

ARfD: Unnecessary (2001)

Residue: Piperonyl butoxide (fat-soluble)

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

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)	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 or pea fodder (dry)	200	dry wt		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
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	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	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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 or pea fodder (dry)	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	0.1	Po		CXL	00	35	34	2003
VR	0075	Root and tuber vegetables	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.01 mg/kg bw for quintozene containing less than 0.1% hexachlorobenzene (1995)

ARfD: N/A

Residue: Plant commodities: Quintozene (fat-soluble). Animal commodities: Sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulphide, expressed as quintozene (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.01 (*)			CXL	98	34	32	2003	
AS	0640 Barley straw and fodder, dry	0.01 (*)			CXL	98	34	32	2003	
VB	0400 Broccoli	0.05			CXL	98	34	32	2003	
VB	0041 Cabbages, head	0.1			CXL	98	34	32	2003	
PM	0840 Chicken meat	0.1 (*) (fat)			CXL	98	34	32	2003	
PO	0840 Chicken, edible offal of	0.1 (*)			CXL	98	34	32	2003	
VD	0526 Common bean (dry)	0.02			CXL	98	34	32	2003	
VP	0526 Common bean (pods and/or immature seeds)	0.1			CXL	98	34	32	2003	
SO	0691 Cotton seed	0.01			CXL	98	34	32	2003	
PE	0112 Eggs	0.03 (*)			CXL	98	34	32	2003	
GC	0645 Maize	0.01 (*)			CXL	98	34	32	2003	
AS	0645 Maize fodder (dry)	0.01			CXL	98	34	32	2003	
AL	0072 Pea hay or pea fodder (dry)	0.05			CXL	98	34	32	2003	
SO	0697 Peanut	0.5			CXL	98	34	32	2003	
VD	0072 Peas (dry)	0.01			CXL	98	34	32	2003	
HS	0444 Peppers chili, dried	0.1			CXL	04	38	37	2006	
VO	0445 Peppers, sweet (including pimento or pimiento)	0.05 (*)			CXL	98	34	32	2003	
VD	0541 Soya bean (dry)	0.01 (*)			CXL	98	34	32	2003	
AL	0541 Soya bean fodder	0.01 (*)			CXL	98	34	32	2003	
HS	0191 Spices, fruits and berries	0.02			CXL		37		2005	
HS	0193 Spices, roots and rhizomes	2			CXL		37		2005	
HS	0190 Spices, seeds	0.1			CXL		37		2005	
VR	0596 Sugar beet	0.01 (*)			CXL	98	34	32	2003	
VO	0448 Tomato	0.02			CXL	98	34	32	2003	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC	0654	Wheat			CXL	98	34	32	2003	
AS	0654	Wheat straw and fodder, dry			CXL	98	34	32	2003	

67 Cyhexatin

Main Uses: Acaricide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
HS 0444	Peppers chili, dried	5			CXL	04	38	37	2006	

70 Bromopropylate

Main Uses: Acaricide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.03 mg/kg bw (1993)

ARfD: N/A

Residue: Bromopropylate

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0001 Citrus fruits (group)	2			CXL	93	29	28	1997	
VP	0526 Common bean (pods and/or immature seeds)	3			CXL	93	28		1997	
VC	0424 Cucumber	0.5			CXL	93	28		1997	
FB	0269 Grapes	2			CXL	93	28		1997	
VC	0046 Melons, except watermelon	0.5			CXL	93	28		1997	
FS	0014 Plums (including fresh prunes) (subgroup)	2			CXL	93	28		1997	
FP	0009 Pome fruits (group)	2			CXL	93	28		1997	
VC	0431 Squash, summer	0.5			CXL	93	28		1997	
FB	0275 Strawberry	2			CXL	93	28		1997	

72 Carbendazim

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.03 mg/kg bw (1995)

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

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

Note: 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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 straw and fodder, dry	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0345	Mango	C	Based on carbendazime use	CXL	03	40	36-39	2008	
ML	0106	Milks	B		CXL	98	38	32,34,36,37	2006	
FS	0245	Nectarine	B		CXL	94	33	28,32	2001	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	B		CXL	98	40	32,34,36-39	2008	
FS	0247	Peach	B		CXL	94,98	33	28,32	2001	
SO	0697	Peanut	Th		CXL	03	38	36,37	2006	
AL	0697	Peanut fodder	Th		CXL	03	38	36,37	2006	
VO	0444	Peppers chili	Th		CXL	03	38	36,37	2006	
HS	0444	Peppers chili, dried	C		CXL	04	38	37	2006	
FI	0353	Pineapple	B		CXL	98	34	32	2003	
FS	0014	Plums (including fresh prunes) (subgroup)	B		CXL	94,98	33	28,32	2001	
FP	0009	Pome fruits (group)	B,c,th		CXL	98	33	28,32	2001	
PM	0110	Poultry meat	B		CXL	98	38	32,34,36,37	2006	
SO	0495	Rape seed	C		CXL	98	38	32,34,36,37	2006	
AS	0649	Rice straw and fodder, dry	C		CXL	98	38	32,34,36,37	2006	
CM	0649	Rice, husked	B		CXL	98	38	32,34,36,37	2006	
GC	0650	Rye	C,Th		CXL	94	38	32,34,36,37	2006	
VD	0541	Soya bean (dry)	Th		CXL	03	38	36,37	2006	
AL	0541	Soya bean fodder	C		CXL		32		2001	
HS	0191	Spices, fruits and berries			CXL		43		2011	
HS	0193	Spices, roots and rhizomes			CXL		43		2011	
HS	0190	Spices, seeds			3	2019	2019	52		
VC	0431	Squash, summer	Th		CXL	03	38	36,37	2006	
VR	0596	Sugar beet	Th		CXL	03	38	36,37	2006	
VO	0448	Tomato	b,C		CXL	98	33	28,32	2001	
TN	0085	Tree nuts (group)	B		CXL	98	32		2001	
GC	0654	Wheat	b,Th		CXL	98	38	32,34,36,37	2006	
AS	0654	Wheat straw and fodder, dry	B,C		CXL	98	38	32,34,36,37	2006	

74 Disulfoton

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa fodder	5			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 straw and fodder, dry	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 or fodder	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-	0.02		(*)	CXL		35	28-34		2003

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 straw and fodder, dry	5			CXL	94	35	28-34	2003	

79 Amitrole

Main Uses: Herbicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

83 Dichloran

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.01 mg/kg bw (1998)

ARfD: Unnecessary (2003)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0577 Carrot	15	Po		CXL	98	34	32	2003	
FB	0269 Grapes	7			CXL	03	36		2004	
FS	0245 Nectarine	7	Po		CXL	03	36		2004	
VA	0385 Onion, bulb	0.2			CXL	98	32		2001	
FS	0247 Peach	7	Po		CXL	03	36		2004	

84 Dodine

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.008 mg/kg bw (1998)

ARfD: 0.008 mg/kg body weight for women of child bearing 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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	3	Po		CXL	2009	49	43,44,45,46, 47	2017	
FC	0001 Citrus fruits (group)	2			CXL	09	45	42	2013	
MO	0105 Edible offal (mammalian)	0.01			CXL	09	43		2011	
VO	0440 Egg plant	1			CXL	09	42		2010	
PE	0112 Eggs	0.01	(*)		CXL	09	43		2011	
AB	0269 Grape pomace, dry	5			CXL	09	43		2011	
FB	0269 Grapes	1			CXL	09	42		2010	
MM	0095 Meat (from mammals other than marine mammals)	0.1	(fat)		CXL	09	43		2011	
FM	0183 Milk fats	0.01	(*)		CXL	09	43		2011	
ML	0106 Milks	0.01	(*)		CXL	09	43		2011	
VO	0051 Peppers (subgroup)	1			CXL	09	42		2010	
HS	0444 Peppers chili, dried	10			CXL	09	42		2010	
FP	0009 Pome fruits (group)	1			CXL	09	42		2010	
VR	0589 Potato	0.01	(*)		CXL	09	42		2010	
PM	0110 Poultry meat	0.01	(fat)		CXL	09	43		2011	
PO	0111 Poultry, edible offal of	0.01	(*)		CXL	09	43		2011	
HS	0191 Spices, fruits and berries	0.3			CXL		37		2005	
HS	0193 Spices, roots and rhizomes	5			CXL		37		2005	
HS	0190 Spices, seeds	1			CXL		37		2005	
FS	0012 Stone fruits (group)	0.5			CXL	09	42		2010	
FB	0275 Strawberry	0.06			CXL	09	42		2010	
VO	0448 Tomato	1			CXL	09	42		2010	
GC	0654 Wheat	3	Po		CXL	2009	49	43,44,45,46, 47	2017	
CM	0654 Wheat bran, unprocessed	6	PoP		CXL	2009	49	43,44,45,46, 47	2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CF	1210 Wheat germ	5	PoP		CXL	2009	49	43,44,45,46, 47	2017	

94 Methomyl

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.02 mg/kg bw (2001)

ARfD: 0.02 mg/kg bw (2001)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Sum of methomyl and thiodicarb, expressed as methomyl. MRLs related to methomyl and (154) thiodicarb are combined into a single list.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa fodder	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, dry	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	

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	(*)	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	
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				
AL	0541	Soya bean fodder	0.2		CXL	01	36	34,35	2004	
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	
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 straw and fodder, dry	5		CXL				1991	

95 Acephate

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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			CXL	03	37	36	2005	
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)			CXL	03	38	36,37	2006	
VB	0041	Cabbages, head			CXL	96	30		1999	
FB	0265	Cranberry			CXL	06	39		2007	
MO	0105	Edible offal (mammalian)			CXL	03	37	36	2005	
PE	0112	Eggs		(*)	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	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
PF	0111	Poultry fats			CXL					
PM	0110	Poultry meat		(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of		(*)	CXL	03	37	36	2005	
AS	0649	Rice straw and fodder, dry			CXL	11	44		2012	
CM	0649	Rice, husked			CXL	11	44		2012	
VD	0541	Soya bean (dry)			CXL	03	37	36	2005	
HS	0093	Spices		(*)	CXL		37		2005	
VO	0448	Tomato			CXL	96	30		1999	

96 Carbofuran

Main Uses: Acaricide, Insecticide and Nematocide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.01 (*)			CXL	12	45		2013	
MF	0812 Cattle fat	0.05 (*)			CXL	97	31		1999	
AB	0001 Citrus pulp, dry	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 straw and fodder, dry	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	0.1 (*)			CXL	97	31		1999	

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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.01 mg/kg bw (2002)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Methamidophos. The residue is not fat-soluble.

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

101 Pirimicarb

Main Uses: Aphicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		Except strawberries and grapes	CXL	06	39		2007
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	0.5			CXL	06	39		2007
GC	0080	Cereal grains	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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
ML	0106	Milks			CXL	06	39		2007	
VA	0385	Onion, bulb			CXL	06	39		2007	
AL	0072	Pea hay or pea fodder (dry)	dry wt		CXL	06	39		2007	
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
FP	0009	Pome fruits (group)			CXL	06	39		2007	
PM	0110	Poultry meat			CXL	06	39		2007	
PO	0111	Poultry, edible offal of			CXL	06	39		2007	
VD	0070	Pulses		Except soya bean (dry)	CXL	06	39		2007	
SO	0495	Rape seed			CXL	06	39		2007	
VR	0075	Root and tuber vegetables			CXL	06	39		2007	
HS	0190	Spices, seeds			CXL		37		2005	
FS	0012	Stone fruits (group)			CXL	06	39		2007	
AS	0081	Straw and fodder (dry) of cereal grains	dry wt	Except rice straw and fodder,	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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.3 mg/kg bw (1996)

ARfD: N/A

Residue: Maleic hydrazide

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

103 Phosmet

Main Uses: Insecticide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.2 mg/kg bw (2003)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Phosmet. The residue is not fat-soluble.

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

105 Dithiocarbamates

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	20			CXL	1995	31	28-30	1999	
TN	0660 Almonds	0.1 (*)			CXL	1995	31	28-30	1999	
VS	0621 Asparagus	0.1			CXL	1995	31	28-30	1999	
FI	0327 Banana	2			CXL	1995	31	28-30	1999	
GC	0640 Barley	1			CXL	1995	31	28-30	1999	
AS	0640 Barley straw and fodder, dry	25			CXL	1995	31	28-30	1999	
VB	0041 Cabbages, head	5			CXL	1995	31	28-30	1999	
HS	0775 Cardamom	0.1			CXL	2014	47		2015	
VR	0577 Carrot	1			CXL	1995	31	28-30	1999	
FS	0013 Cherries (subgroup)	0.2			CXL	2004	38	37	2006	
HS	0779 Coriander, seed	0.1			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).
VL	0510 Cos lettuce	10			CXL	1995	31	28-30	1999	
FB	0265 Cranberry	5			CXL	1995	31	28-30	1999	
VC	0424 Cucumber	2			CXL	2004	37		2005	
HS	0780 Cumin seed	10			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).
FB	0021 Currants, black, red, white	10			CXL	1995	31	28-30	1999	
MO	0105 Edible offal (mammalian)	0.1			CXL	2004	37		2005	
PE	0112 Eggs	0.05 (*)			CXL	2004	37		2005	
HS	0731 Fennel, seed	0.1			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VA	0381	Garlic			CXL	1995	31	28-30	1999	
VR	0604	Ginseng			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).
DV	0604	Ginseng, dried including red ginseng			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).
FB	0269	Grapes	C,m,n		CXL	2004	37		2005	
DH	1100	Hops, dry	m		CXL	1995	31	28-30	1999	
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand- headed kale; not including Marrow-stem kele)	c,N		CXL	1995	31	28-30	1999	
VA	0384	Leek	c		CXL	1995	31	28-30	1999	
VL	0482	Lettuce, head	C,N,m		CXL	1995	31	28-30	1999	
AS	0645	Maize fodder (dry)	c		CXL	1995	31	28-30	1999	
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	c		CXL	1995	31	28-30	1999	
FI	0345	Mango	c		CXL	1995	31	28-30	1999	
MM	0095	Meat (from mammals other than marine mammals)	c,m,p		CXL	2004	37		2005	
VC	0046	Melons, except watermelon	C		CXL	2004	37		2005	
ML	0106	Milks	c,m,p		CXL	2004	37		2005	
VA	0385	Onion, bulb	C		CXL	2004	37		2005	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	c		CXL	1995	31	28-30	1999	
FI	0350	Papaya	c		CXL	1995	31	28-30	1999	
SO	0697	Peanut	c		CXL	1995	31	28-30	1999	
AL	0697	Peanut fodder	c		CXL	1995	31	28-30	1999	
TN	0672	Pecan	Z		CXL	2004	37		2005	
HS	0790	Pepper, black, white			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).
HS	0444	Peppers chili, dried			CXL	2014	47		2015	Refer to Dithiocarbamates(105)/ Mancozed(050).

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)	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	
VA	0389	Spring onion	10	n	CXL	1995	31	28-30	1999	
VC	0431	Squash, summer	1	c	CXL	1995	31	28-30	1999	
FS	0012	Stone fruits (group)	7	h,p,Z	CXL	2004	37		2005	
FB	0275	Strawberry	5	H	CXL	1996	32	30	2001	
VR	0596	Sugar beet	0.5	C,n	CXL	1995	31	28-30	1999	
VO	0447	Sweet corn (corn-on-the-	0.1	(*)	c	CXL	1995	31	28-30	1999
VO	0448	Tomato	2	p	CXL	2004	38	37	2006	
VC	0432	Watermelon	1	c,N	CXL	1995	30	28,29	1999	
GC	0654	Wheat	1	C,n,m	CXL	1995	31	28-30	1999	
AS	0654	Wheat straw and fodder, dry	25	C,n,m	CXL	1995	31	28-30	1999	
VC	0433	Winter squash	0.1	c	CXL	1995	31	28-30	1999	

106 Ethephon

Main Uses: Plant growth regulator

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.05 mg/kg bw (2015)

ARfD: 0.05 mg/kg bw (2015)

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

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

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

The residue is not fat-soluble.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS 0654	Wheat straw and fodder, dry	7 (dw)			CXL	2015	48		2016	

109 Fenbutatin Oxide

Main Uses: Acaricide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: N/A

Residue: Fenbutatin oxide

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

110 Imazalil

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.03 mg/kg bw

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 straw and fodder, dry	0.01			CXL	2018	51		2019	
FC	0001 Citrus fruits (group)	5	Po	(except subgroups of oranges, sweet, sour and lemons and limes)	CXL	2018	51		2019	
MO	0105 Edible offal (mammalian)	0.3			CXL	2018	51		2019	
PE	0112 Eggs	0.01	(*)		CXL	2018	51		2019	
FC	0002 Lemons and limes (including citron) (subgroup)	15	Po		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	
FC	0004 Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	8	Po		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	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AS	0653	Triticale straw and fodder, dry	0.01		CXL	2018	51		2019	
GC	0654	Wheat	0.01	(*)	CXL					
AS	0654	Wheat straw and fodder, dry	0.01		CXL-D	2018	51		2019	

111 Iprodione

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.06 mg/kg bw (1995)

Residue: Iprodione.

Note: ARfD may be necessary but has not been established (2001 JMPR).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0660 Almonds	0.2			CXL	94	28			1997
GC	0640 Barley	2			CXL	94	28			1997
VD	0071 Beans (dry)	0.1			CXL		28			1997
FB	0264 Blackberries	30			CXL	94	29	28		1997
VB	0400 Broccoli	25			CXL	94	28			1997
VR	0577 Carrot	10	Po		CXL	94	29	28		1997
FS	0013 Cherries	10			CXL	94	29	28		1997
VP	0526 Common bean (pods and/or immature seeds)	2			CXL	94	29	28		1997
VC	0424 Cucumber	2			CXL	94	28			1997
FB	0269 Grapes	10			CXL	94				
FI	0341 Kiwifruit	5			CXL	94				
VL	0482 Lettuce, Head	10			CXL	94				
VL	0483 Lettuce, Leaf	25			CXL	94	28			1997
VA	0385 Onion, Bulb	0.2			CXL	94	28			1997
FS	0247 Peach	10			CXL	94	28			1997
FP	0009 Pome fruits	5	Po		CXL	94	28			1997
SO	0495 Rape seed	0.5			CXL	94	28			1997
FB	0272 Raspberries, Red, Black	30			CXL	94	28			1997
CM	0649 Rice, Husked	10			CXL	94	29	28		1997
HS	0193 Spices, Roots and Rhizomes	0.1			CXL		37			2005
HS	0190 Spices, Seeds	0.05	(*)		CXL		37			2005
FB	0275 Strawberry	10			CXL	94				
VR	0596 Sugar beet	0.1	(*)		CXL	94	28			1997
SO	0702 Sunflower seed	0.5			CXL	94				
VO	0448 Tomato	5			CXL		31			1999
VL	2832 Witloof chicory (sprouts)	1			CXL	94				

112 Phorate

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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		(except coriander seed and fennel seed)	CXL	2015	48		2016	
VR	0596 Sugar beet	0.05 (*)			CXL	05	38		2006	

113 Propargite

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	50			CXL	02	36	35	2004	
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, dry	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	12			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, dry	40			CXL	02				
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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	(*)		2014	47			2015
VO	0440	Egg plant	1			2014	47			2015
MF	0100	Mammalian fats (except milk fats)	0.01	(*)		2014	47			2015
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)		2014	47			2015
ML	0106	Milks	0.01	(*)		2014	47			2015
VO	0448	Tomato	0.7			2014	47			2015

117 Aldicarb

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.003 mg/kg bw (1992)

ARfD: 0.003 mg/kg bw (1995)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.02			CXL	94	28		1997	
AS	0640 Barley straw and fodder, dry	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	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	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VR	0508	Sweet potato			CXL	94				
GC	0654	Wheat			CXL	94	28		1997	
AS	0654	Wheat straw and fodder, dry			CXL	94	28		1997	

119 Fenvalerate

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 fenvalerate 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									
MO	0105	Edible offal (mammalian)		The MRL accommodates external animal treatment.	CXL					
VO	0440	Egg plant			CXL					
PE	0112	Eggs			CXL					
VC	0425	Gherkin			CXL					
FB	0268	Gooseberry			CXL					
FB	0269	Grapes			CXL					
DH	1100	Hops, dry			CXL					
VR	0583	Horseradish			CXL					
VL	0480	Kale (including among others: Collards, curly kale, Scotch kale, thousand-headed kale; not including Marrow-stem kele)			CXL					
FI	0341	Kiwifruit			CXL					
VB	0405	Kohlrabi			CXL					
VA	0384	Leek			CXL					
VL	0482	Lettuce, head			CXL					
AS	0645	Maize fodder (dry)	dry wt		CXL					
MM	0095	Meat (from mammals other than marine mammals)	(fat)	The MRL accommodates external animal treatment.	CXL					
VC	0046	Melons, except watermelon			CXL					
ML	0106	Milks	F		CXL					
VO	0450	Mushrooms			CXL					
SO	0697	Peanut			CXL					
VP	0064	Peas, shelled (succulent seeds)			CXL					
VO	0051	Peppers (subgroup)			CXL					
HS	0444	Peppers chili, dried			CXL	04	38	37	2006	
TN	0675	Pistachio nuts			CXL					
FP	0009	Pome fruits (group)			CXL					
VR	0589	Potato			CXL					

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PM	0110	Poultry meat			CXL					
VR	0591	Radish, Japanese			CXL					
SO	0495	Rape seed		(*)	CXL					
FB	0272	Raspberries, red, black			CXL					
AS	0651	Sorghum straw and fodder, dry			CXL					
VD	0541	Soya bean (dry)		(*)	CXL					
AL	0541	Soya bean fodder	dry wt		CXL					
OC	0541	Soya bean oil, crude			CXL					
HS	0093	Spices		(*)	CXL		37		2005	
VL	0502	Spinach			CXL					
VA	0389	Spring onion			CXL					
VC	0431	Squash, summer			CXL					
FS	0012	Stone fruits (group)			CXL					
FB	0275	Strawberry			CXL					
VR	0596	Sugar beet		(*)	CXL					
SO	0702	Sunflower seed			CXL					
OC	0702	Sunflower seed oil, crude			CXL					
OR	0702	Sunflower seed oil, edible			CXL					
VO	0447	Sweet corn (corn-on-the-			CXL					
AS	0447	Sweet corn fodder			CXL					
FT	0305	Table olives			CXL					
DT	1114	Tea, green, black (black, fermented and dried)			CXL					
VO	0448	Tomato			CXL					
CM	0654	Wheat bran, unprocessed		PoP	CXL					
CF	1211	Wheat flour		PoP	CXL					
CF	1210	Wheat germ		PoP	CXL					
CF	1212	Wheat wholemeal		PoP	CXL					
VC	0433	Winter squash			CXL					

122 Amitraz

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.01 mg/kg bw (1998)

ARfD: 0.01 mg/kg bw (1998)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MM	0812	Cattle meat	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.009 mg/kg bw (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Oxamyl. The residue is not fat-soluble

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0402 Brussels sprouts	0.01 (*)			CXL	2017	50		2018	
VR	0577 Carrot	0.01 (*)			CXL	2017	50		2018	
VO	2700 Cherry tomato	0.01 (*)			CXL	2017	50		2018	
IM	1000 Clams				CXL					
VC	0424 Cucumber	0.02			CXL	2017	50		2018	
MO	0105 Edible offal (mammalian)	0.01 (*)			CXL	2017	50		2018	
VO	2046 Eggplants (subgroup)	0.01 (*)			CXL	2017	50		2018	
MF	0100 Mammalian fats (except milk fats)	0.01 (*)			CXL	2017	50		2018	
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)			CXL	2017	50		2018	
VC	0046 Melons, except watermelon	0.01			CXL	2017	50		2018	
ML	0106 Milks	0.01 (*)			CXL	2017	50		2018	
VR	0588 Parsnip	0.01 (*)			CXL	2017	50		2018	
VO	0051 Peppers (subgroup)	0.01 (*)		(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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2001)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.05 (*)			CXL	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 or fodder (dry) of grasses	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 straw and fodder, dry	0.7			CXL	02	36	35	2004	
AS	0081 Straw and fodder (dry) of cereal grains	1.5			CXL	11	45	44	2013	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.02 mg/kg bw (2005)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.05	(*)	CXL	05	38		2006	
GC	0640	Barley	0.05	(*)	CXL	05	38		2006	
AS	0640	Barley straw and fodder, dry	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 or pea fodder (dry)	0.5		CXL	05	38		2006	
VD	0072	Peas (dry)	0.1		CXL	05	38		2006	
VP	0063	Peas (pods and succulent=immature seeds)	0.1		CXL	05	38		2006	
VO	0445	Peppers, sweet (including pimento or pimiento)	2		CXL	05	38		2006	
VR	0589	Potato	0.05	(*)	CXL	05	38		2006	
SO	0495	Rape seed	0.05	(*)	CXL	05	38		2006	
HS	0191	Spices, fruits and berries	0.07		CXL		43		2011	
HS	0193	Spices, roots and rhizomes	0.1		CXL		43		2005	
FB	0275	Strawberry	1		CXL	99	34	33	2003	
VR	0596	Sugar beet	0.05	(*)	CXL	05	38		2006	
SO	0702	Sunflower seed	0.05	(*)	CXL	05	38		2006	
GC	0654	Wheat	0.05	(*)	CXL	05	38		2006	
AS	0654	Wheat straw and fodder, dry	0.05		CXL	05	38		2006	

133 Triadimefon

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.08 mg/kg bw (2004)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.3		Based on triadimenol use only	CXL	07	40		2008	
VS	0620 Artichoke, globe	0.7		Based on triadimenol use only	CXL	07	40		2008	
FI	0327 Banana	1		Based on triadimenol use only	CXL	07	41	40	2009	
GC	0080 Cereal grains	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	1		based on triadimenol uses	CXL	2014	47		2015	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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
FB	0269	Grapes	0.3		based on triadimenol uses	CXL	2014	47		2015
MM	0095	Meat (from mammals other than marine mammals)	0.02		Based on triadimefon and triadimenol uses	CXL	07	40		2008
ML	0106	Milks	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
HS	0444	Peppers chili, dried	5		Based on triadimefon and triadimenol uses	CXL	07	40		2008
FI	0353	Pineapple	5	Po	Based on triadimenol use only	CXL	07	40		2008
PM	0110	Poultry meat	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
PO	0111	Poultry, edible offal of	0.01	(*)	Based on triadimefon and triadimenol uses	CXL	07	40		2008
AS	0081	Straw and fodder (dry) of cereal grains	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.05 mg/kg bw (2000)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.2			CXL	02	36	35	2004	
VR	0577 Carrot	0.02			CXL	02	36	35	2004	
GC	0080 Cereal grains	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	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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.08 mg/kg bw Group ADI for metalaxyl and metalaxyl-M (alone or in combination) (2002)

ARfD: Unnecessary (2002)

Residue: Metalaxyl

Note: All MRLs to be revoked in 2008, superseded by metalaxyl-M.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0621 Asparagus	0.05 (*)			CXL					
FI	0326 Avocado	0.2			CXL					
VB	0400 Broccoli	0.5			CXL				1993	
VB	0402 Brussels sprouts	0.2			CXL				1991	
VB	0041 Cabbages, head	0.5			CXL				1993	
SB	0715 Cacao beans	0.2			CXL				1991	
VR	0577 Carrot	0.05 (*)			CXL				1991	
VB	0404 Cauliflower	0.5			CXL				1993	
GC	0080 Cereal grains	0.05 (*)			CXL					
FC	0001 Citrus fruits (group)	5 Po			CXL					
SO	0691 Cotton seed	0.05 (*)			CXL					
VC	0424 Cucumber	0.5			CXL				1991	
VC	0425 Gherkin	0.5			CXL				1991	
FB	0269 Grapes	1			CXL					
DH	1100 Hops, dry	10			CXL					
VL	0482 Lettuce, head	2			CXL				1995	
VC	0046 Melons, except watermelon	0.2			CXL					
VA	0385 Onion, bulb	2			CXL				1995	
SO	0697 Peanut	0.1			CXL					
VP	0064 Peas, shelled (succulent seeds)	0.05 (*)			CXL					
VO	0051 Peppers (subgroup)	1			CXL					
HS	0444 Peppers chili, dried	10			CXL	04	38	37	2006	
FP	0009 Pome fruits (group)	1 Po			CXL				1993	
VR	0589 Potato	0.05 (*)			CXL					
FB	0272 Raspberries, red, black	0.2			CXL				1991	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0541	Soya bean (dry)	0.05	(*)	CXL					
HS	0190	Spices, seeds	5		CXL		37		2005	
VL	0502	Spinach	2		CXL					
VC	0431	Squash, summer	0.2		CXL					
VR	0596	Sugar beet	0.05	(*)	CXL					
SO	0702	Sunflower seed	0.05	(*)	CXL					
VO	0448	Tomato	0.5		CXL					
VC	0432	Watermelon	0.2		CXL					
VC	0433	Winter squash	0.2		CXL					

142 Prochloraz

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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 fodder (dry) of cereal grains	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)			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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (1998)

Residue: Bitertanol (fat-soluble).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0240	Apricot	1		CXL	02				
FI	0327	Banana	0.5		CXL	99				
GC	0640	Barley	0.05	(*)	CXL	99	33		2001	
AS	0640	Barley straw and fodder, dry	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 straw and fodder, dry	0.05	(*)	CXL	99	33		2001	
GC	0654	Wheat	0.05	(*)	CXL	99	33		2001	
AS	0654	Wheat straw and fodder, dry	0.05	(*)	CXL	99	33		2001	

145 Carbosulfan

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AB	0001	Citrus pulp, dry	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 straw and fodder, dry	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.3			CXL	08	41			2009
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
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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0345	Mango			CXL	08	41			2009
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	08	41			2009
ML	0106	Milks			CXL	08	41			2009
FS	0245	Nectarine			CXL	08	41			2009
GC	0647	Oats			CXL	08	41			2009
SO	0088	Oilseed			CXL	08	41			2009
FS	0247	Peach			CXL	08	41			2009
HS	0444	Peppers chili, dried			CXL	08	41			2009
FS	0014	Plums (including fresh prunes) (subgroup)		Except prunes	CXL	08	41			2009
FP	0009	Pome fruits (group)			CXL	08	41			2009
VD	0070	Pulses			CXL	08	41			2009
GC	0649	Rice			CXL	08	41			2009
VR	0075	Root and tuber vegetables		(*)	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 fodder (dry) of cereal grains			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

148 Propamocarb

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 2 mg/kg bw (2005)

Residue: For compliance with MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Propamocarb. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0400 Broccoli	3			CXL	2014	47			2015
VB	0402 Brussels sprouts	2			CXL	2014	47			2015
VB	0041 Cabbages, head	1			CXL	2014, 2018	51	47		2019
VB	0404 Cauliflower	2			CXL	2014	47			2015
MO	0105 Edible offal (mammalian)	1.5			CXL	2018	51			2019
VO	0440 Egg plant	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

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
DF 0269	Dried grapes (=currants, raisins and sultanas)	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
FB 0269	Grapes	2			CXL	07	40		2008	
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
PO 0111	Poultry, edible offal of	0.05		(*)	CXL	07	40		2008	Residues are not expected as dietary burden in poultry is zero
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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	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, dry	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 Egg plant	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 fodder	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	

159 Vinclozolin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.01 mg/kg bw (1995)

ARfD: N/A

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

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

165 Flusilazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

166 Oxydemeton-Methyl

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	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 straw and fodder, dry	0.1		CXL	04	38	32,34-37	2006	

167 Terbufos

Main Uses: Nematocide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.01 (*)			CXL	05	38		2006	
AS	0651 Sorghum straw and fodder, dry	0.3	dry wt		CXL	05	38		2006	
VR	0596 Sugar beet	0.02			CXL	05	38		2006	
VO	0447 Sweet corn (corn-on-the-	0.01			CXL	05	38		2006	

168 Triadimenol

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.08 mg/kg bw (2004)

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.3			CXL	07	40		2008	Based on triadimenol use only
VS	0620 Artichoke, globe	0.7			CXL	07	40		2008	Based on triadimenol use only
FI	0327 Banana	1			CXL	07	41	40	2009	Based on triadimenol use only
GC	0080 Cereal grains	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	1	TN	based on triadimenol uses	CXL	2014	47		2015	
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
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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 fodder (dry) of cereal grains	5		Except maize	CXL	07	40		2008	Based on triadimefon and triadimenol uses
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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 1.0 mg/kg bw (2007)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Profenofos. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HS	0775	Cardamom	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		CXL	2015	48		2016	
				(except cardamom)						
HS	0193	Spices, roots and rhizomes	0.05		CXL	2010	43		2011	
DT	0171	Teas (tea and herb teas)	0.5		CXL	1994	29		1997	
										NOTE (CXSEC): CCPR52 (2020) may consider to recommend revocation of this CXL.
VO	0448	Tomato	10		CXL	2008	41		2009	

172 Bentazone

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.5 mg/kg bw (2016)

Residue: For compliance with the MRL and dietary risk assessment for plant and animal commodities: Bentazone. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020	Alfalfa fodder	0.5		CXL	2013	46		2014	
AS	0640	Barley straw and fodder, dry	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, shelled	0.01	(*)	(succulent=immature seeds)	CXL	2013	46	2014	
GC	0080	Cereal grains	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 or fodder (dry) of grasses	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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-	0.01	(*)	CXL	2013	46		2014	
AS	0653	Triticale straw and fodder, dry	0.3		CXL	2013	46		2014	
AS	0654	Wheat straw and fodder, dry	0.3		CXL	2013	46		2014	

174 Cadusafos

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

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	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	
FB	0272	Raspberries, red, black	0.1		CXL	12	45		2013	
GC	0649	Rice	0.9		CXL	12	45		2013	
AS	0649	Rice straw and fodder, dry	2		CXL	12	45		2013	
VD	0541	Soya bean (dry)	2		CXL	2014	47		2015	
FS	0012	Stone fruits (group)	0.15		CXL	12	45		2013	
FB	0275	Strawberry	0.3		CXL	12	45		2013	
VR	0596	Sugar beet	1.5		CXL	12	45		2013	
DM	0596	Sugar beet molasses	8		CXL	12	45		2013	
TN	0085	Tree nuts (group)	0.1		CXL	12	45		2013	

176 Hexythiazox

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2008)

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

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

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0001 Citrus fruits (group)	0.5			CXL	09	42		2010	
FT	0295 Date	2			CXL	09	42		2010	
DF	0269 Dried grapes (=currants, raisins and sultanas)	1			CXL	09	42		2010	
MO	0105 Edible offal (mammalian)	0.05			CXL	09	42		2010	
VO	0440 Egg plant	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, dry	15			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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.2			CXL	2015	48		2016	
FI	0326 Avocado	0.015			CXL	2015	48		2016	
VD	0071 Beans (dry)	0.005			CXL	2015	48		2016	
VP	0061 Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.08		(immature beans with pods)	CXL	2015	48		2016	
FB	2005 Cane berries (subgroup)	0.2			CXL	2018	51		2019	
VS	0624 Celery	0.03			CXL	2015	48		2016	
FS	0013 Cherries (subgroup)	0.07			CXL	2015	48		2016	
DH	2605 Chive, dry	0.08			CXL	2018	51		2019	
FC	0001 Citrus fruits (group)	0.02			CXL	2015	48		2016	
SO	0691 Cotton seed	0.015			CXL	2015	48		2016	
VC	0424 Cucumber	0.03			CXL	2015	48		2016	
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.1			CXL	2018	51		2019	
VO	0440 Egg plant	0.05			CXL	2015	48		2016	
VA	0381 Garlic	0.005			CXL	2015	48		2016	
VC	0425 Gherkin	0.03			CXL	2015	48		2016	
JF	0269 Grape juice	0.05			CXL	2018	51		2019	
FB	0269 Grapes	0.03			CXL	2018	51		2019	
VA	2032 Green onions	0.01			CXL	2018	51		2019	
HH	2095 Herbs	0.015			CXL	2018	51		2019	
DH	1100 Hops, dry	0.15			CXL	2015	48		2016	
VL	0482 Lettuce, head	0.15			CXL	2015	48		2016	
FI	0345 Mango	0.01			CXL	2015	48		2016	
VC	0046 Melons, except watermelon	0.01			CXL	2015	48		2016	

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

179 Cycloxydim

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
GC	0649	Rice	0.09	(*)	CXL	12	45		2013	
AS	0649	Rice straw and fodder, dry	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	
DF	0269	Dried grapes (=currants, raisins and sultanas)	3.5		CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2013	46		2014	
PE	0112	Eggs	0.01	(*)	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 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	
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	
DF 0269	Dried grapes (=currants, raisins and sultanas)	6			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	
FB 0269	Grapes	0.9			CXL	2014	47		2015	
DH 1100	Hops, dry	5			CXL	2014	47		2015	
VL 0053	Leafy vegetables	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
VR	0075	Root and tuber vegetables	0.06		CXL	2014	47		2015	
AS	0081	Straw and fodder (dry) of cereal grains	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	
DF 0269	Dried grapes (=currants, raisins and sultanas)	1.5			CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	0.05		(*)	CXL	2016	49		2017	
VO 0440	Egg plant	0.09			CXL	2016	49		2017	
PE 0112	Eggs	0.05		(*)	CXL	2016	49		2017	
VC 0425	Gherkin	0.06			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 pimienta)	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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.6			CXL	11	44		2012	
VD	0071 Beans (dry)	0.05			CXL	11	44		2012	
DF	0269 Dried grapes (=currants, raisins and sultanas)	8			CXL	11	44		2012	
MO	0105 Edible offal (mammalian)	0.05			CXL	11	44		2012	
PE	0112 Eggs	0.01		(*)	CXL	11	44		2012	
FB	0269 Grapes	4			CXL	11	45	44	2013	
GC	0645 Maize	0.05		(*)	CXL	11	44		2012	
MM	0095 Meat (from mammals other than marine mammals)	0.5		(fat)	CXL	11	44		2012	
ML	0106 Milks	0.02			CXL	11	44		2012	
FS	0245 Nectarine	0.6			CXL	11	44		2012	
FS	0247 Peach	0.6			CXL	11	44		2012	
FP	0230 Pear	0.6			CXL	11	44		2012	
PM	0110 Poultry meat	0.01		(*)	CXL	11	44		2012	
PO	0111 Poultry, edible offal of	0.01		(*)	CXL	11	44		2012	
SO	0495 Rape seed	0.01		(*)	CXL	11	44		2012	
GC	0649 Rice	0.01		(*)	CXL	11	44		2012	
AS	0649 Rice straw and fodder, dry	0.05			CXL	11	44		2012	

185 Fenpropathrin

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

188 Fenpropimorph

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

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

For compliance with the MRLs and for estimation of dietary exposure for animal commodities: 2-methyl-2-{4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl}propionic acid, expressed as fenpropimorph. The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
FI 0327	Banana	2			CXL	2017	50		2018	
GC 0640	Barley	0.2			CXL	2017	50		2018	
AS 0640	Barley straw and fodder, dry	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 straw and fodder, dry	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	
AS 0654	Wheat straw and fodder, dry	0.5			CXL	2017	50		2018	
CF 1212	Wheat wholemeal	0.1			CXL	2017	50		2018	

190 Teflubenzuron

Main Uses: Insect growth regulator

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

192 Fenarimol

Main Uses: Fungicide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0.01 mg/kg bw (1995)

Residue: Fenarimol

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe			CXL	95,96	30	29		1999
FI	0327	Banana			CXL	95,96	30	29		1999
MO	1280	Cattle kidney		(*)	CXL	95,96	30	29		1999
MO	1281	Cattle liver			CXL	95,96	30	29		1999
MM	0812	Cattle meat		(*)	CXL	95,96	30	29		1999
FS	0013	Cherries			CXL	95,96	30	29		1999
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	95,96	30	29		1999
FB	0269	Grapes			CXL	95,96	30	29		1999
DH	1100	Hops, Dry			CXL	96	30			1999
VC	0046	Melons, except watermelon			CXL	95,96	30	29		1999
FS	0247	Peach			CXL	95,96	30	29		1999
TN	0672	Pecan		(*)	CXL	95,96	30	29		1999
HS	0444	Peppers Chili, dried			CXL	04	38	37		2006
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	95,96	30	29		1999
FP	0009	Pome fruits			CXL	95,96	30	29		1999
FB	0275	Strawberry	T		CXL	95,96	30			1999
AS	0447	Sweet corn fodder			CXL	95,96	30	29		1999

193 Fenpyroximate

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.01 mg/kg bw (2017)

ARfD: 0.01 mg/kg bw (2017)

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

For estimation of dietary exposure for plant and animal commodities: Sum of parent fenpyroximate and itert-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, 2-hydroxymethyl-2propyl ϵ -4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)-methylenaminooxymethyl]benzoate(Fen-OH), and ϵ -4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methyleneaminooxymethyl]benzoic acid(M-3), expressed as fenpyroximate. For estimation of dietary exposure) for animal commodities: Sum of fenpyroximate, 2-hydroxymethyl-2propyl ϵ -4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)-methylenaminooxymethyl]benzoate(Fen-OH), ϵ -4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methyleneaminooxymethyl]benzoic acid(M-3), and ϵ -4-[(1,3-dimethyl-5-(4-hydroxyphenoxy)pyrazol-4-yl)methyleneaminooxymethyl]benzoic acid (M-5, free and its conjugates), expressed as fenpyroximate.

The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.2			CXL	2017	50		2018	
DF	0226 Apples, dried	1			CXL	2017	50		2018	
FS	0240 Apricot	0.4			4	2017	50			CCPR kept the proposed MRLs for apricot; cherries; peach; plums (including fresh prunes); and watermelon at Step 4, awaiting the evaluation by the 2020 JMPR (51:82).
FI	0326 Avocado	0.2			CXL	2017	50		2018	
VP	2060 Beans with pods	0.5			CXL	2017	50		2018	
FS	0013 Cherries (subgroup)	2			CXL	2013	46		2014	
FS	0013 Cherries (subgroup)	2			4	2017	50			The information provided to JMPR precludes an estimate that the dietary exposure for cherry, peach, plums, watermelon, dried tomatoes and dried plums would be below the ARfD. CCPR kept the proposed MRLs for apricot; cherries; peach; plums (including fresh prunes); and watermelon at Step 4, awaiting the evaluation by the 2020 JMPR (51:82).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0001	Citrus fruits (group)	0.6		CXL	2017	50		2018	
OR	0001	Citrus oil, edible	25		CXL	2017	50		2018	
SB	0716	Coffee beans	0.07		CXL	2017	50		2018	
VC	0424	Cucumber	0.3		CXL	2017	50		2018	
DF	0269	Dried grapes (=currants, raisins and sultanas)	0.2		CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)	0.5		CXL	2018	51		2019	
VO	2046	Eggplants (subgroup)	0.3		CXL	2017	50		2018	
FB	0269	Grapes	0.1		CXL	2017	50		2018	
DH	1100	Hops, dry	15		CXL	2017	50		2018	
GC	0645	Maize	0.01	(*)	CXL	2017	50		2018	
AS	0645	Maize fodder (dry)	5		CXL	2017	50		2018	
MF	0100	Mammalian fats (except milk fats)	0.1		CXL	2018	51		2019	
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL	2018	51		2019	
VC	0046	Melons, except watermelon	0.2		CXL	2017	50		2018	
ML	0106	Milks	0.01		CXL	2018	51		2019	
FS	0247	Peach	0.8		4	2017	50			See cherries.
FP	0230	Pear	0.2		CXL	2017	50		2018	
VO	0051	Peppers (subgroup)	0.2		CXL	2017	50		2018	
				(except martynia, okra and roselle)						
FS	0014	Plums (including fresh prunes) (subgroup)	0.8		4	2017	50			See apricot.
VR	0589	Potato	0.05	(*)	CXL	2017	50		2018	
DF	0014	Prunes	0.7		CXL	2013	46		2014	Recommended for withdrawal by JMPR 2017.
FB	0272	Raspberries, red, black	0.2		CXL	2017	50		2018	
VC	0431	Squash, summer	0.06		CXL	2017	50		2018	
FS	0012	Stone fruits (group)	0.4		CXL	2013	46		2014	Recommended for withdrawal by JMPR 2017.
				(except cherries)						
FB	0275	Strawberry	0.3		CXL	2017	50		2018	
DT	1114	Tea, green, black (black, fermented and dried)	8		CXL	2017	50		2018	
VO	2045	Tomatoes (subgroup)	0.3		CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
TN	0085	Tree nuts (group)	0.05	(*)	CXL	2017	50		2018	
VC	0432	Watermelon	0.05		4	2017	50			See cherries.

194 Haloxyfop

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.08 mg/kg bw (2009)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.02 (*)			CXL	09	42		2010	
VD	0071 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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR:

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

ARfD: 0.9 mg/kg bw (2003)

Residue: For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Tebufenozide. The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	30			CXL	01	36	34,35	2004	
TN	0660 Almonds	0.05			CXL	01	36	34,35	2004	
FI	0326 Avocado	1			CXL	01	36	34,35	2004	
FB	0020 Blueberries	3			CXL	01	36	34,35	2004	
VB	0400 Broccoli	0.5			CXL	01	36	34,35	2004	
VB	0041 Cabbages, head	5			CXL	01	36	34,35	2004	
ML	0812 Cattle milk	0.05			CXL	01	36	34,35	2004	
FC	0001 Citrus fruits (group)	2			CXL	01	45	34-36	2013	
FB	0265 Cranberry	0.5			CXL	01	36	34,35	2004	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2			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	
FB	0269 Grapes	2			CXL	01	36	35	2004	
FI	0341 Kiwifruit	0.5			CXL	97	31		1999	
VL	0053 Leafy vegetables	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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.2 mg/kg bw (2012)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Fenbuconazole. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	3			CXL	09	45	43,44	2013	
FS	0240 Apricot	0.5			CXL	97	32	31	2001	
FI	0327 Banana	0.05			CXL	97	31		1999	
GC	0640 Barley	0.2			CXL	97	32	31	2001	
CM	0640 Barley bran, unprocessed	1			CXL	09	45	43,44	2013	
AS	0640 Barley straw and fodder, dry	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, dry	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
SO	0697	Peanut			CXL	09	45	43,44	2013	
AL	0697	Peanut fodder			CXL	09	45	43,44	2013	
VO	0051	Peppers (subgroup)			CXL	09	45	43,44	2013	
HS	0444	Peppers chili, dried			CXL	09	45	43,44	2013	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	09	45	43,44	2013	
FP	0009	Pome fruits (group)			CXL	09	45	43,44	2013	
PM	0110	Poultry meat		(*)	CXL	09	42		2010	
PO	0111	Poultry, edible offal of		(*)	CXL	09	42		2010	
SO	0495	Rape seed		(*)	CXL	97	32	31	2001	
GC	0650	Rye			CXL	97	31		1999	
VC	0431	Squash, summer			CXL	97	31		1999	
SO	0702	Sunflower seed		(*)	CXL	97	31		1999	
AS	0447	Sweet corn fodder			CXL	09	45	43	2013	
TN	0085	Tree nuts (group)		(*)	CXL	09	42		2010	
GC	0654	Wheat			CXL	97	31		1999	
AS	0654	Wheat straw and fodder, dry			CXL	97	31		1999	

201 Chlorpropham

Main Uses: Plant growth regulator

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.0002 mg/kg bw group ADI for fipronil and fipronil-desulfinyl [5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylpyrazole (MB 46513)] (JMPR 2000).

ARfD: 0.003 mg/kg body weight for fipronil and fipronil-desulfinyl, alone or in combination (2000)

Residue: For compliance with MRLs and for dietary risk assessment for plant commodities: Fipronil.

For compliance with MRLs and for dietary risk assessment) for animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulphonylpyrazole (MB 46136), expressed as fipronil. 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	0.005			CXL	01	35	34	2003	
GC 0640	Barley	0.002 (*)			CXL	01	35	34	2003	
HH 0722	Basil	1.5			CXL	2016	49		2017	
VB 0041	Cabbages, head	0.02			CXL	01	35	34	2003	
MO 1280	Cattle kidney	0.02			CXL	01	35	34	2003	
MO 1281	Cattle liver	0.1			CXL	01	35	34	2003	
MM 0812	Cattle meat	0.5 (fat)			CXL	01	35	34	2003	
ML 0812	Cattle milk	0.02			CXL	01	35	34	2003	
PE 0112	Eggs	0.02			CXL	01	35	34	2003	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.02			CXL	01	35	34	2003	
GC 0645	Maize	0.01			CXL	01	35	34	2003	
AS 0645	Maize fodder (dry)	0.1	dry wt		CXL	01	35	34	2003	
GC 0647	Oats	0.002 (*)			CXL	01	35	34	2003	
VR 0589	Potato	0.02			CXL	01	35	34	2003	
PM 0110	Poultry meat	0.01 (*)			CXL	01	35	34	2003	
PO 0111	Poultry, edible offal of	0.02			CXL	01	35	34	2003	
GC 0649	Rice	0.01			CXL	01	35	34	2003	
AS 0649	Rice straw and fodder, dry	0.2	dry wt		CXL	01	35	34	2003	
GC 0650	Rye	0.002 (*)			CXL	01	35	34	2003	
VR 0596	Sugar beet	0.2			CXL	01	35	34	2003	
SO 0702	Sunflower seed	0.002 (*)			CXL	01	35	34	2003	
GC 0653	Triticale	0.002 (*)			CXL	01	35	34	2003	
GC 0654	Wheat	0.002 (*)			CXL	01	35	34	2003	

203 Spinosad

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2001)

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

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226	Apple			CXL	01	36	34,35	2004	
FB	0264	Blackberries			CXL	11	44		2012	
FB	0020	Blueberries			CXL	11	44		2012	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	01	35		2004	
MO	1280	Cattle kidney		The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
MO	1281	Cattle liver		The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
MM	0812	Cattle meat	(fat)	The MRL accommodates external animal treatment.	CXL	01	35	34	2003	
ML	0812	Cattle milk		The MRL accommodates external animal treatment.	CXL	01	36	34,35	2004	
FM	0812	Cattle milk fat			CXL	04	37		2005	
VS	0624	Celery			CXL	01	35	34	2003	
GC	0080	Cereal grains	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FB	0265	Cranberry			CXL	11	44		2012	
FB	0266	Dewberries (including boysenberry and loganberry)			CXL	11	44		2012	
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	04	37		2005	
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	
FB	0269	Grapes			CXL	04	37		2005	
FI	0341	Kiwifruit			CXL	01	35	34	2003	
VL	0053	Leafy vegetables			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)	2	(fat)	CXL	04	37		2005	
VA	0385	Onion, bulb	0.1		CXL	11	44		2012	
FI	0351	Passion fruit	0.7		CXL	11	44		2012	
VO	0051	Peppers (subgroup)	0.3		CXL	01	35	34	2003	
HS	0444	Peppers chili, dried	3		CXL	04	38	37	2006	
VR	0589	Potato	0.01	(*)	CXL	01	35	34	2003	
PM	0110	Poultry meat	0.2	(fat)	CXL	01	35	34	2003	
FB	0272	Raspberries, red, black	1		CXL	11	44		2012	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	01	35	34	2003	
VA	0389	Spring onion	4		CXL	11	44		2012	
FS	0012	Stone fruits (group)	0.2		CXL	01	35	34	2003	
VO	0447	Sweet corn (corn-on-the-	0.01	(*)	CXL	01	35	34	2003	
VO	0448	Tomato	0.3		CXL	01	35	34	2003	
TN	0085	Tree nuts (group)	0.07		CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed	2		CXL	04	37		2005	
AS	0654	Wheat straw and fodder, dry	1		CXL	01	35	34	2003	

204 Esfenvalerate

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	2			CXL	02	36	35	2004	

205 Flutolanil

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.05		(*)	CXL	2013	46		2014	
MO	0105	0.5			CXL	2013	46		2014	
PE	0112	0.05		(*)	CXL	02	36	35	2004	
VL	0054	0.07			CXL	2013	46		2014	
MM	0095	0.05		(*)	CXL	02	36	35	2004	
ML	0106	0.05		(*)	CXL	02	36	35	2004	
PM	0110	0.05		(*)	CXL	02	36	35	2004	
PO	0111	0.05		(*)	CXL	02	36	35	2004	
CM	1206	10			CXL	02	36	35	2004	
AS	0649	10			CXL	02	36	35	2004	
CM	0649	2			CXL	02	36	35	2004	
CM	1205	1			CXL	02	36	35	2004	

206 Imidacloprid

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	1			CXL	02	36	35		2004
HH	0722 Basil	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	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, dry	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 Egg plant	0.2			CXL	02	36	35		2004
PE	0112 Eggs	0.02			CXL	08	41			2009

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
FI	0345	Mango	0.2		CXL	02	36	35	2004	
MM	0095	Meat (from mammals other than marine mammals)	0.1		CXL	08	41		2009	
VC	0046	Melons, except watermelon	0.2		CXL	02	36	35	2004	
ML	0106	Milks	0.1		CXL	08	41		2009	
AS	0647	Oat straw and fodder, dry	1		CXL	02	36	35	2004	
SO	0305	Olives for oil production	2		CXL	2015	48		2016	
VA	0385	Onion, bulb	0.1		CXL	02	36	35	2004	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	1.5		CXL	2015	48		2016	
SO	0697	Peanut	1		CXL	08	41		2009	
AL	0697	Peanut fodder	30		CXL	08	41		2009	
FP	0230	Pear	1		CXL	02	36	35	2004	
VP	0063	Peas (pods and succulent=immature seeds)	5		CXL	08	41		2009	
VP	0064	Peas, shelled (succulent seeds)	2		CXL	08	41		2009	
VO	0051	Peppers (subgroup)	1		CXL	02	36	35	2004	
HS	0444	Peppers chili, dried	10		CXL	04	38	37	2006	
FS	0014	Plums (including fresh prunes) (subgroup)	1.5		CXL	2015	48		2016	
FI	0355	Pomegranate	1		CXL	08	41		2009	
PM	0110	Poultry meat	0.02		CXL	08	41		2009	
PO	0111	Poultry, edible offal of	0.05		CXL	08	41		2009	
DF	0014	Prunes	5		CXL	2015	48		2016	
VD	0070	Pulses	2	(except soya beans)	CXL	12	45		2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VL	0494	Radish leaves (including radish tops)	5		CXL	08	41		2009	
SO	0495	Rape seed	0.05	(*)	CXL	02	36	35	2004	
VR	0075	Root and tuber vegetables	0.5		CXL	08	41		2009	
AS	0650	Rye straw and fodder, dry	1		CXL	02	36	35	2004	
VD	0541	Soya bean (dry)	3		CXL	2015	48		2016	
AL	0541	Soya bean fodder	50		CXL	2015	48		2016	
VC	0431	Squash, summer	1		CXL	02	36	35	2004	
FB	0275	Strawberry	0.5		CXL	08	41		2009	
SO	0702	Sunflower seed	0.05	(*)	CXL	08	41		2009	
VO	0447	Sweet corn (corn-on-the-	0.02	(*)	CXL	02	36	35	2004	
AS	0447	Sweet corn fodder	5		CXL	02	36	35	2004	
FT	0305	Table olives	2		CXL	2015	48		2016	
DT	1114	Tea, green, black (black, fermented and dried)	50		CXL	2015	48		2016	
VO	0448	Tomato	0.5		CXL	02	36	35	2004	
TN	0085	Tree nuts (group)	0.01		CXL	07	41		2009	
VC	0432	Watermelon	0.2		CXL	02	36	35	2004	
CM	0654	Wheat bran, unprocessed	0.3		CXL	02	36	35	2004	
CF	1211	Wheat flour	0.03		CXL	02	36	35	2004	
AS	0654	Wheat straw and fodder, dry	1		CXL	02	36	35	2004	

208 Famoxadone

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.6 mg/kg bw (2003)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	03	37	36	2005	
AS	0640	Barley straw and fodder, dry			CXL	03	37	36	2005	
VC	0424	Cucumber			CXL	03	37	36	2005	
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	03	37	36	2005	
MO	0105	Edible offal (mammalian)			CXL	03	37	36	2005	
PE	0112	Eggs		(*)	CXL	03	37	36	2005	
AB	0269	Grape pomace, dry			CXL	03	37	36	2005	
FB	0269	Grapes			CXL	03	37	36	2005	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	03	37	36	2005	
ML	0106	Milks		F	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	
VC	0431	Squash, summer			CXL	03	37	36	2005	
VO	0448	Tomato			CXL	03	37	36	2005	
GC	0654	Wheat			CXL	03	37	36	2005	
CM	0654	Wheat bran, unprocessed			CXL	03	37	36	2005	
AS	0654	Wheat straw and fodder, dry			CXL	03	37	36	2005	

209 Methoxyfenozide

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.9 mg/kg bw (2003)

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

The residue is fat-soluble, but is not classified as fat-soluble with respect to its distribution in milk.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	50			CXL	03	37	36	2005	
FI	0326 Avocado	0.7			CXL	09	42		2010	
VD	0071 Beans (dry)	0.5			CXL	09	42		2010	
VP	0062 Beans, shelled	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	
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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2			CXL	03	37	36	2005	
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	
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			CXL	03	37	36	2005	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MF	0100	Mammalian fats (except milk fats)	0.3		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	
SO	0697	Peanut	0.03		CXL	09	42		2010	
AL	0697	Peanut fodder	80		CXL	09	42		2010	
OR	0697	Peanut oil, edible	0.1		CXL	09	42		2010	
VD	0072	Peas (dry)	5		CXL	12	45		2013	
VP	0063	Peas (pods and succulent=immature seeds)	2		CXL	12	45		2013	
VP	0064	Peas, shelled (succulent seeds)	0.3		CXL	09	42		2010	
VO	0051	Peppers (subgroup)	2		CXL	03	37	36	2005	
HS	0444	Peppers chili, dried	20		CXL	04	38	37	2006	
FP	0009	Pome fruits (group)	2		CXL	03	37	36	2005	
PM	0110	Poultry meat	0.01	(*)	CXL	03	37	36	2005	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	03	37	36	2005	
DF	0014	Prunes	2		CXL	03	37	36	2005	
VR	0494	Radish	0.4		CXL	09	42		2010	
VL	0494	Radish leaves (including radish tops)	7		CXL	09	42		2010	
FS	0012	Stone fruits (group)	2		CXL	03	37	36	2005	
FB	0275	Strawberry	2		CXL	09	42		2010	
VR	0596	Sugar beet	0.3		CXL	09	42		2010	
VO	0447	Sweet corn (corn-on-the-	0.02	(*)	CXL	03	37	36	2005	
AS	0447	Sweet corn fodder	7		CXL	03	37	36	2005	
VR	0508	Sweet potato	0.02		CXL	09	42		2010	
VO	0448	Tomato	2		CXL	03	37	36	2005	
TN	0085	Tree nuts (group)	0.1		CXL	03	37	36	2005	

211 Fludioxonil

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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									
FI	0326	Avocado			CXL	2018	51			2019
VD	0071	Beans (dry)			CXL	2013	46			2014
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)		(green pods and immature seeds)	CXL	2013	46			2014
VP	0062	Beans, shelled			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			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		(*)	CXL	2004	38	37		2006
VD	0524	Chick-pea (dry)			CXL	2018	51			2019
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
MO	0105	Edible offal (mammalian)			CXL	2018	51			2019
VO	0440	Egg plant			CXL	2004	38	37		2006
PE	0112	Eggs			CXL	2018	51			2019
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2013	46			2014

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VR	0604 Ginseng	4			CXL	2013	46		2014	
FB	0269 Grapes	2			CXL	2004	38	37	2006	
VA	2032 Green onions	0.8			CXL	2018	51		2019	
FI	0336 Guava	0.5			CXL	2018	51		2019	
HH	0092 Herbs	9			CXL	2013	46		2014	
FI	0341 Kiwifruit	15	Po		CXL	2004	38	37	2006	
VL	0054 Leaves of Brassicaceae	15		(except radish leaves)	CXL	2018	51		2019	
VD	0533 Lentil (dry)	0.3			CXL	2018	51		2019	
VL	0482 Lettuce, head	10			CXL	2004	38	37	2006	
VL	0483 Lettuce, leaf	40			CXL	2013	46		2014	
MF	0100 Mammalian fats (except milk fats)	0.02			CXL	2018	51		2019	
FI	0345 Mango	2			CXL	2012	45		2013	
MM	0095 Meat (from mammals other than marine mammals)	0.02	(fat)		CXL	2018	51		2019	
ML	0106 Milks	0.04			CXL	2018	51		2019	
VD	0072 Peas (dry)	0.07			CXL	2004	38	37	2006	
VP	0063 Peas (pods and succulent=immature seeds)	0.3			CXL	2004	38	37	2006	
VP	0064 Peas, shelled (succulent seeds)	0.03			CXL	2004	38	37	2006	
VO	0051 Peppers (subgroup)	1			CXL	2013	46		2014	
HS	0444 Peppers chili, dried	4			CXL	2013	46		2014	
FI	0353 Pineapple	5	Po		CXL	2018	51		2019	
TN	0675 Pistachio nuts	0.2			CXL	2004	38	37	2006	
FP	0009 Pome fruits (group)	5	Po		CXL	2006	39		2007	
FI	0355 Pomegranate	3	Po		CXL	2018	51		2019	
VR	0589 Potato	5	Po		CXL	2013	46		2014	
PF	0111 Poultry fats	0.01	(*)		CXL	2018	51		2019	
PM	0110 Poultry meat	0.01	(*)		CXL	2018	51		2019	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
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 fodder (dry) of cereal grains	0.06 (*)			CXL	2004	38	37	2006	
FB	0275 Strawberry	3			CXL	2004	38	37	2006	
VO	0447 Sweet corn (corn-on-the-	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	
VL	0473 Watercress	10			CXL	2004	38	37	2006	
VR	0600 Yams	10	Po		CXL	2010	43		2011	

212 Metalaxyl-M

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.08 mg/kg bw for metalaxyl-M + metalaxyl (alone or in combination) (2004)

ARfD: Unnecessary (2004)

Residue: Residue (of metalaxyl including metalaxyl-M) for compliance with MRLs and estimation of dietary intake in plant commodities: Metalaxyl.

Residue (of metalaxyl including metalaxyl-M) for compliance with MRLs and estimation of dietary intake in animal commodities: Sum of metalaxyl and metabolites containing the 2,6-dimethylaniline moiety, expressed as metalaxyl.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FP	0226 Apple	0.02 (*)			7	2004	46	37,38,39,40,41,42		See note
SB	0715 Cacao beans	0.02			7	2004	46	37,38,39,40,41,42		See apple.
FB	0269 Grapes	1			7	2004	46	37,38,39,40,41,42		See apple.
VL	0482 Lettuce, head	0.5			7	2004	46	37,38,39,40,41,42		See apple.
VA	0385 Onion, bulb	0.03			7	2004	46	37,38,39,40,41,42		See apple.
VO	0445 Peppers, sweet (including pimento or pimiento)	0.5			7	2004	46	37,38,39,40,41,42		See apple.
VR	0589 Potato	0.02 (*)			7	2004	46	37,38,39,40,41,42		See apple.
VL	0502 Spinach	0.1			7	2004	46	37,38,39,40,41,42		See apple.
SO	0702 Sunflower seed	0.02 (*)			7	2004	46	37,38,39,40,41,42		See apple.
VO	0448 Tomato	0.2			7	2004	46	37,38,39,40,41,42		See apple.

Note: Step 5 (37:174). Noted that metalaxyl was no longer supported by the original manufacturer. Several delegations informed CCPR that there are generic producers of this compound hence there could be continued support for metalaxyl MRLs. Returned all MRLs to Step 6 and considered revocation of all CXLs for metalaxyl in 2 years time (38:129-130). Returned all MRLs to Step 6 awaiting phasing out of metalaxyl (138) and requested information on support for metalaxyl CXLs. Thailand informed CCPR that metalaxyl was used in Thailand and that the phase-out of metalaxyl would cause trade problems (39:126). Retained all MRLs at Step 7 awaiting the periodic review of metalaxyl by JMPR in 2012 (toxicology) and 2013 (residues) (40:96). Retained all MRLs at Step 7 awaiting the periodic review by JMPR for both toxicology and residues in 2013 (41:122). Awaiting the outcome of the JMPR periodic re-evaluation of methalaxyl (138) for toxicology and residue in 2013 (42:74). Noted the concern form submitted by Cameroon, relating to the proposed reduction in the MRL for cocoa beans. The JMPR Secretariat advised that the advancement of the MRLs for metalaxyl-M was dependent on the outcome of the metalaxyl periodic review in 2015. Agreed to retain all MRLs for metalaxyl-M at Step 7 awaiting this review and to apply the 4 year rule for metalaxyl awaiting data on cocoa beans from Cameroon (46:76). CCPR agreed to retain all the MRLs for Metalaxyl-M at Step 7, awaiting the outcome of the Metalaxyl periodic re-evaluation scheduled for 2017 (47:76). Agreed to include Metalaxyl (138) and Metalaxyl-M (212) for periodic review by JMPR (2020) (51:250:App.X).

213 Trifloxystrobin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)ethylideneaminoxymethyl]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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 straw and fodder, dry	7			CXL	04	38	37	2006	
VD 0071	Beans (dry)	0.01		(*)	CXL	2015	48		2016	
VB 0402	Brussels sprouts	0.1			CXL	04	38	37	2006	
VB 0041	Cabbages, head	1.5			CXL	2017	50		2018	
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	
AB 0001	Citrus pulp, dry	1			CXL	04	38	37	2006	
SO 0691	Cotton seed	0.4			CXL	2017	50		2018	
DF 0269	Dried grapes (=currants, raisins and sultanas)	5			CXL	04	38	37	2006	
VO 0440	Egg plant	0.7			CXL	12	45		2013	
PE 0112	Eggs	0.04		(*)	CXL	04	38	37	2006	
VB 0042	Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.5			CXL	04	38	37	2006	
VC 0045	Fruiting vegetables, cucurbits (group)	0.3			CXL	04	38	37	2006	
VR 0604	Ginseng	0.03		(*)	CXL	2017	50		2018	
FB 0269	Grapes	3			CXL	04	38	37	2006	
DH 1100	Hops, dry	40			CXL	04	38	37	2006	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0098	Kidney of cattle, goats, pigs and sheep	0.04	(*)	CXL	04	38	37	2006	
VA	0384	Leek	0.7		CXL	04	38	37	2006	
VD	0533	Lentil (dry)	0.01		CXL	2015	48		2016	
VL	0482	Lettuce, head	15		CXL	12	45		2013	
MO	0099	Liver of cattle, goats, pigs & sheep	0.05		CXL	04	38	37	2006	
GC	0645	Maize	0.02		CXL	04	38	37	2006	
AS	0645	Maize fodder (dry)	10		CXL	04	38	37	2006	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	CXL	04	38	37	2006	
ML	0106	Milks	0.02	(*)	CXL	04	38	37	2006	
OR	0305	Olive oil, refined	1.2		CXL	12	45		2013	
OC	0305	Olive oil, virgin	0.9		CXL	12	45		2013	
FI	0350	Papaya	0.6		CXL	12	45		2013	
SO	0697	Peanut	0.02	(*)	CXL	04	38	37	2006	
AL	0697	Peanut fodder	5		CXL	04	38	37	2006	
VD	0072	Peas (dry)	0.01		CXL	2015	48		2016	
VO	0445	Peppers, sweet (including pimento or pimienta)	0.3		CXL	04	38	37	2006	
FP	0009	Pome fruits (group)	0.7		CXL	04	38	37	2006	
VR	0589	Potato	0.02	(*)	CXL	04	38	37	2006	
PM	0110	Poultry meat	0.04	(*) (fat)	CXL	04	38	37	2006	
PO	0111	Poultry, edible offal of	0.04	(*)	CXL	04	38	37	2006	
VR	0494	Radish	0.08		CXL	12	45		2013	
VL	0494	Radish leaves (including radish tops)	15		CXL	12	45		2013	
GC	0649	Rice	5		CXL	04	38	37	2006	
CM	1206	Rice bran, unprocessed	7		CXL	04	38	37	2006	
AS	0649	Rice straw and fodder, dry	10		CXL	04	38	37	2006	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 straw and fodder, dry	5		CXL	04	38	37	2006	

214 Dimethenamid-P

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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-	0.01	(*)	CXL	05	38		2006	
VR	0508	Sweet potato	0.01	(*)	CXL	05	38		2006	

215 Fenhexamid

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2005)

Residue: For compliance with MRLs and for estimation of dietary intake in plant and animal commodities: Fenhexamid. The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	2		CXL	05	38		2006	
TN	0660	Almonds	0.02	(*)	CXL	05	38		2006	
FS	0240	Apricot	10		CXL	05	38		2006	
FB	0261	Bilberry	5		CXL	05	38		2006	
FB	0264	Blackberries	15		CXL	05	38		2006	
FB	0020	Blueberries	5		CXL	05	38		2006	
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	
DF	0269	Dried grapes (=currants, raisins and sultanas)	25		CXL	05	38		2006	
MO	0105	Edible offal (mammalian)	0.05	(*)	CXL	05	38		2006	
VO	0440	Egg plant	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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0247	Peach	10		CXL	05	38		2006	
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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 1020	Alfalfa fodder	60			CXL	05	38		2006	
FP 0226	Apple	0.5			CXL	05	38		2006	
VB 0400	Broccoli	0.2			CXL	05	38		2006	
VB 0041	Cabbages, head	3			CXL	05,07	40	38,39	2008	
VB 0404	Cauliflower	0.2			CXL	05	38		2006	
VD 0524	Chick-pea (dry)	0.2			CXL	05	38		2006	
AM 0691	Cotton fodder, dry	20			CXL	05	38		2006	
SO 0691	Cotton seed	1			CXL	05	38		2006	
VD 0527	Cowpea (dry)	0.1			CXL	09	42		2010	
FB 0265	Cranberry	1			CXL	09	42		2010	
DF 0269	Dried grapes (=currants, raisins and sultanas)	5			CXL	05	38		2006	
MO 0105	Edible offal (mammalian)	0.05			CXL	09	42		2010	
VO 0440	Egg plant	0.5			CXL	05	38		2006	
PE 0112	Eggs	0.02			CXL	09	42		2010	
VC 0045	Fruiting vegetables, cucurbits (group)	0.5			CXL	09	42		2010	
FB 0269	Grapes	2			CXL	05	38		2006	
VL 0482	Lettuce, head	7			CXL	05	38		2006	
VL 0483	Lettuce, leaf	3			CXL	12	45		2013	
AS 0645	Maize fodder (dry)	25			CXL	05	38		2006	
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)		CXL	09	42		2010	
FM 0183	Milk fats	2			CXL	09	42		2010	
ML 0106	Milks	0.1			CXL	09	42		2010	
HH 0738	Mints	15			CXL	09	42		2010	

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

217 Novaluron

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2005)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071 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	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2006)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	10			CXL	06	39		2007	
VD	0071 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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2			CXL	06	39		2007	
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	
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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2007)

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

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

222 Quinoxifen

Main Uses: Fungicide

JMPR:

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.01		(*)	CXL	06	39		2007	
FS	0013 Cherries (subgroup)	0.4			CXL	06	39		2007	
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

JMPR:

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660	Almond hulls	10		CXL	06	39		2007	
FB	0018	Berries and other small fruits	1		CXL	06	39		2007	
SO	0691	Cotton seed	0.02	(*)	CXL	06	39		2007	
VC	0424	Cucumber	0.3		CXL	06	39		2007	
MO	0105	Edible offal (mammalian)	0.5		CXL	06	39		2007	
VO	0440	Egg plant	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 straw and fodder, dry	5		CXL	06	39		2007	
VC	0433	Winter squash	0.2		CXL	06	39		2007	

224 Difenoconazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe			CXL	2017	50		2018	
VS	0621	Asparagus			CXL	07	40		2008	
FI	0326	Avocado			CXL	2015	48		2016	
FI	0327	Banana			CXL	07	40		2008	
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)			CXL	10	43		2011	
FB	0020	Blueberries			CXL	2017	50		2018	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)			CXL	2013	46		2014	
VR	0577	Carrot			CXL	07	40		2008	
VR	0578	Celeriac			CXL	07	40		2008	
VS	0624	Celery			CXL	07	40		2008	
FS	0013	Cherries (subgroup)			CXL	07	40		2008	
FC	0001	Citrus fruits (group)			CXL	2013	46		2014	
SB	0716	Coffee beans			CXL	2017	50		2018	
VC	0424	Cucumber			CXL	2013	46		2014	
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	2013	46		2014	
VD	2065	Dry beans (subgroup)		(except soya bean)	CXL	2017	50		2018	
VD	2066	Dry peas			(subgroup)		0.15		CXL	2017 50 2018
MO	0105	Edible offal (mammalian)			CXL	2013	46		2014	
PE	0112	Eggs			CXL	2013	46		2014	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except peppers, chilli)	CXL	2017	50		2018	Replaces previous recommendation for Fruiting vegetables other than Cucurbits (except sweetcorn and mushrooms).
VA	0381	Garlic	0.02	(*)	CXL	07	40		2008	
VC	0425	Gherkin	0.2		CXL	2013	46		2014	
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	
FB	0269	Grapes	3		CXL	2013	46		2014	
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 straw and fodder, dry	17	(dw)	CXL	2017	50		2018	
CM	1205	Rice, polished	0.07		CXL	2017	50		2018	
VD	0541	Soya bean (dry)	0.1		CXL	2015	48		2016	
VA	0389	Spring onion	9		CXL	2013	46		2014	
VC	0431	Squash, summer	0.2		CXL	2013	46		2014	
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	former sweet corn (before the revision of the Classification for Type 03 Grasses)
AS	0447	Sweet corn fodder	0.01	(*) (dw)	CXL	2017	50		2018	
FT	0305	Table olives	2		CXL	07	40		2008	
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 straw and fodder, dry	3		CXL	07	40		2008	

225 Dimethomorph

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.6 mg/kg bw (2007)

Residue: For compliance with the MRL and estimation of dietary intake for plant and animal commodities: Dimethomorph (sum of isomers). The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	2		CXL	2014	47		2015	
VP	0062	Beans, shelled	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	
DF	0269	Dried grapes (=currants, raisins and sultanas)	5		CXL	2014	47		2015	
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
FB	0275	Strawberry	0.5		CXL	2014	47		2015	
VL	0505	Taro leaves	10		CXL	2014	47		2015	

226 Pyrimethanil

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2007)

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

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

For compliance with the MRL and for dietary intake estimation) for livestock tissues (excluding poultry): Sum of pyrimethanil and 2-(4-hydroxyanilino)-4,6-dimethylpyrimidine, expressed as pyrimethanil. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AM	0660 Almond hulls	12			CXL	07	40		2008	
TN	0660 Almonds	0.2			CXL	07	40		2008	
FS	0240 Apricot	3			CXL	07	40		2008	
FI	0327 Banana	0.1			CXL	07	40		2008	
FB	0264 Blackberries	15			CXL	2015	48		2016	
FB	0020 Blueberries	8			CXL	2015	48		2016	
VR	0577 Carrot	1			CXL	07	40		2008	
FS	0013 Cherries (subgroup)	4	Po		CXL	07	40		2008	
FC	0001 Citrus fruits (group)	7	Po		CXL	07	40		2008	
VP	0526 Common bean (pods and/or immature seeds)	3			CXL	07	40		2008	
VC	0424 Cucumber	0.7			CXL	2015	48		2016	
DF	0269 Dried grapes (=currants, raisins and sultanas)	5			CXL	07	40		2008	
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	
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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	0072	Pea hay or pea fodder (dry)	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	
VA	0389	Spring onion	3		CXL	07	40		2008	
AS	0447	Sweet corn fodder	40		CXL	07	40		2008	
VO	0448	Tomato	0.7		CXL	07	40		2008	

227 Zoxamide

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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
DF 0269	Dried grapes (=currants, raisins and sultanas)	15			CXL	07	40		2008	
VC 0045	Fruiting vegetables, cucurbits (group)	2			CXL	09	42		2010	
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	

231 Mandipropamid

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2008)

Residue: For compliance with the MRL and for estimation of dietary intake for plant and animal commodities: Mandipropamid. The residue not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	2060	Beans with pods	1		CXL	2018	51		2019	
VB	0400	Broccoli	2		CXL	2008	41		2009	
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	
VC	0424	Cucumber	0.2		CXL	2008	41		2009	
DF	0269	Dried grapes (=currants, raisins and sultanas)	5		CXL	2008	41		2009	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	2018	51		2019	
PE	0112	Eggs	0.01	(*)	CXL	2018	51		2019	
FB	0269	Grapes	2		CXL	2008	41		2009	
DH	1100	Hops, dry	90		CXL	2013	46		2014	
VL	0053	Leafy vegetables	25		CXL	2008	41		2009	
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	
VC	0046	Melons, except watermelon	0.5		CXL	2008	41		2009	
ML	0106	Milks	0.01	(*)	CXL	2018	51		2019	
VA	0385	Onion, bulb	0.1		CXL	2008	41		2009	
VO	0051	Peppers (subgroup)	1		CXL	2008	41		2009	
HS	0444	Peppers chili, dried	10		CXL	2008	41		2009	
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	
VA	0389	Spring onion	7		CXL	2008	41		2009	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
VC 0431	Squash, summer	0.2			CXL	2008	41		2009	
VO 0448	Tomato	0.3			CXL	2008	41		2009	

232 Prothioconazole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

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

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

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

The residue is not fat soluble

Note: Prothioconazole ARfD: Unnecessary (general population)

Prothioconazole-desthio:

ADI: 0–0.01 mg/kg bw

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

ARfD: 1 mg/kg bw (general population)

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	09	42		2010	
FB	2006	Bush berries (subgroup)			CXL	2014	47		2015	
SO	0691	Cotton seed			CXL	17	50	20	2018	
FB	0265	Cranberry			CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)			CXL	2017	50		2018	
PE	0112	Eggs			CXL	2017	50		2018	
AS	0164	Fodder (dry) of cereal grains			CXL	09	42		2010	
VC	0045	Fruiting vegetables, cucurbits (group)		(except watermelon)	CXL	2014	47		2015	
GC	0645	Maize			CXL	2014	47		2015	
AS	0645	Maize fodder (dry)			CXL	2014	47		2015	
MF	0100	Mammalian fats (except milk fats)			CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)			CXL	2017	50		2018	
ML	0106	Milks			CXL	2017	50		2018	
GC	0647	Oats			CXL	08	41		2009	
SO	0697	Peanut			CXL	08	41		2009	
AL	0697	Peanut fodder			CXL	2014	47		2015	
GC	0656	Popcorn			CXL	2014	47		2015	
VR	0589	Potato			CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
VD	0070	Pulses		Except soya bean, dry.	CXL	09	42		2010	
SO	0495	Rape seed			CXL	09	42		2010	
GC	0650	Rye			CXL	08	41			
VD	0541	Soya bean (dry)			CXL	2014	47		2015	
AS	0081	Straw and fodder (dry) of cereal grains			CXL	09	42		2010	
VR	0596	Sugar beet			CXL	09	42		2010	
VO	0447	Sweet corn (corn-on-the-			CXL	2014	47		2015	
AS	0447	Sweet corn fodder			CXL	2014	47		2015	Tentative commodity code
GC	0653	Triticale			CXL	08	41		2009	
GC	0654	Wheat			CXL	09	42		2010	

233 Spinetoram

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.15		CXL	2017	50		2018	
FI	0345	Mango	0.01	(*)	CXL	2017	50		2018	
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)	CXL	2017	50		2018	
VC	0046	Melons, except watermelon	0.01	(*)	CXL	2017	50		2018	
FM	0183	Milk fats	0.15		CXL	2017	50		2018	
ML	0106	Milks	0.02		CXL	2017	50		2018	
FS	0245	Nectarine	0.3		CXL	2012	45		2013	
VA	0385	Onion, bulb	0.01	(*)	CXL	2012	45		2013	
VA	0387	Onion, Welsh	0.8		CXL	2012	45		2013	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.07		CXL	2008	41		2009	
FI	0351	Passion fruit	0.4		CXL	2017	50		2018	
FS	0247	Peach	0.3		CXL	2012	45		2013	
VO	0051	Peppers (subgroup)	0.4	(except martynia, okra and roselle)	CXL	2017	50		2018	
HS	0444	Peppers chili, dried	4		CXL	2017	50		2018	
FS	0014	Plums (including fresh prunes) (subgroup)	0.09		CXL	2017	50		2018	
FP	0009	Pome fruits (group)	0.05		CXL	2008	41		2009	
VR	0589	Potato	0.01	(*)	CXL	2017	50		2018	
PF	0111	Poultry fats	0.01	(*)	CXL	2017	50		2018	
PM	0110	Poultry meat	0.01	(*) (fat)	CXL	2017	50		2018	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2017	50		2018	
FB	0272	Raspberries, red, black	0.8		CXL	2012	45		2013	
AS	0649	Rice straw and fodder, dry	1.5		CXL	2017	50		2018	
CM	0649	Rice, husked	0.02	(*)	CXL	2017	50		2018	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2017	50		2018	
VL	0502	Spinach	8		CXL	2012	45		2013	
VA	0389	Spring onion	0.8		CXL	2012	45		2013	
FB	0275	Strawberry	0.15		CXL	2017	50		2018	
VR	0596	Sugar beet	0.01	(*)	CXL	2008	41		2009	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2017	50		2018	
AS	0447	Sweet corn fodder	0.15		CXL	2017	50		2018	
FT	0305	Table olives	0.07		CXL	2017	50		2018	
VO	0448	Tomato	0.06		CXL	2008	41		2009	
TN	0085	Tree nuts (group)	0.01		CXL	2008	41		2009	

235 Fluopicolide

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	10			CXL	09	42		2010	
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, dry	7			CXL	09	42		2010	
FB	0269 Grapes	2			CXL	09	42		2010	
VL	0053 Leafy vegetables	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 fodder (dry) of cereal grains	0.2			CXL	09	42		2010	

237 Spirodiclofen

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 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 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	
DF 0269	Dried grapes (=currants, raisins and sultanas)	0.3			CXL	09	42		2010	
MO 0105	Edible offal (mammalian)	0.05		(*)	CXL	09	42		2010	
VC 0425	Gherkin	0.07			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 pimienta)	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe		T		CXL	10	43		2011
FI	0326	Avocado		T		CXL	2014	47		2015
FI	0327	Banana		C,t		CXL	10	44	43	2012
GC	0640	Barley		c,T		CXL	10	43		2011
AS	0640	Barley straw and fodder, dry	dry wt	T,c		CXL	10	43		2011
VP	0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)		T		CXL	2014	47		2015
FB	0018	Berries and other small fruits		c,T	Except grapes	CXL	10	43		2011
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)		T		CXL	10	43		2011
SB	0715	Cacao beans		T		CXL	10	43		2011
VS	0624	Celery		T		CXL	10	43		2011
FC	0001	Citrus fruits (group)		T		CXL	10	45	43	2013
SB	0716	Coffee beans		T		CXL	10	43		2011
DF	0269	Dried grapes (=currants, raisins and sultanas)		C,t		CXL	10	43,44		2012
MO	0105	Edible offal (mammalian)		C,t	Except liver.	CXL	10	44	43	2012
PE	0112	Eggs		C,t		CXL	10	44	43	2012
VC	0045	Fruiting vegetables, cucurbits (group)		T		CXL	10	43		2011
VO	0050	Fruiting vegetables, other than cucurbits (group)		T	Except sweet corn	CXL	10	43		2011
JF	0269	Grape juice		C,t		CXL	10	43		2012
FB	0269	Grapes		C,t		CXL	10	44	43	2012
DH	1100	Hops, dry		T		CXL	2014	47		2015
VL	0053	Leafy vegetables		T		CXL	10	43		2011

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0060	Legume vegetables (group)			CXL	10	43		2011	
MO	0099	Liver of cattle, goats, pigs & sheep			CXL	10	43		2011	
GC	0645	Maize			CXL	10	43		2011	
AS	0645	Maize fodder (dry)	dry wt		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	10	44	43	2012	
HH	0738	Mints			CXL	2014	47		2015	
SO	0088	Oilseed			CXL	10	43		2011	
FI	0350	Papaya			CXL	10	43		2011	
AL	0072	Pea hay or pea fodder (dry)	dry wt		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	10	44	43	2012	
PM	0110	Poultry meat			CXL	10	44	43	2012	
PO	0111	Poultry, edible offal of			CXL	10	43		2011	
DF	0014	Prunes			CXL	10	43		2011	
VD	0070	Pulses			CXL	10	43		2011	
GC	0649	Rice			CXL	10	44	43	2012	
VR	0075	Root and tuber vegetables			CXL	2010	46	43,44,45	2014	
GC	0651	Sorghum			CXL	10	44	43	2012	
AS	0651	Sorghum straw and fodder, dry	dry wt		CXL	10	44	43	2012	
VS	0078	Stalk and stem vegetables		Except artichoke and celery	CXL	10	44	43	2012	
FS	0012	Stone fruits (group)			CXL	10	43		2011	
GS	0659	Sugar cane			CXL	10	44	43	2012	
VO	0447	Sweet corn (corn-on-the-			CXL	10	44	43	2012	

Commodity											
Code	Name	MRL (mg/kg)		Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DT	1114	Tea, green, black (black, fermented and dried)	0.7			T					
							CXL	10		43	2011
GC	0654	Wheat	0.02	(*)		c,T					
							CXL	10		43	2011
AS	0654	Wheat straw and fodder, dry	0.2			dry wt					
							CXL	10		43	2011

239 Cyproconazole

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.06 mg/kg bw (2010)

Residue: For compliance with the MRL for animal and plant commodities: Cyproconazole. For estimation of dietary intake for plant commodities: Cyproconazole.
For estimation of dietary intake for animal commodities: Cyproconazole, free and conjugated. The residue is fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	0071	Beans (dry)			CXL	10	43		2011	
GC	0080	Cereal grains		Except maize, rice and	CXL	10	43		2011	
SB	0716	Coffee beans			CXL	2013	46		2014	
SM	0716	Coffee beans, roasted			CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)			CXL	10	43		2011	
PE	0112	Eggs			CXL	10	43		2011	
GC	0645	Maize			CXL	10	43		2011	
AS	0645	Maize fodder (dry)			CXL	10	43		2011	
MM	0095	Meat (from mammals other than marine mammals)		(fat)	CXL	10	43		2011	
ML	0106	Milks			CXL	10	43		2011	
VD	0072	Peas (dry)			CXL	10	43		2011	
VP	0064	Peas, shelled (succulent seeds)			CXL	10	43		2011	
PM	0110	Poultry meat			CXL	10	43		2011	
PO	0111	Poultry, edible offal of			CXL	10	43		2011	
SO	0495	Rape seed			CXL	10	43		2011	
VD	0541	Soya bean (dry)			CXL	10	43		2011	
AL	0541	Soya bean fodder			CXL	10	43		2011	
OR	0541	Soya bean oil, refined			CXL	10	43		2011	
AS	0081	Straw and fodder (dry) of cereal grains		Except maize, rice and	CXL	10	43		2011	
VR	0596	Sugar beet			CXL	10	43		2011	

241 Etoxazole

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AM 0660	Almond hulls	10			CXL	10	43		2011	
VB 0040	Brassica vegetables (except Brassica leafy vegetables) (group)	4			CXL	10	43		2011	
VS 0624	Celery	5			CXL	10	43		2011	
SO 0691	Cotton seed	1.5			CXL	10	43		2011	
MO 0105	Edible offal (mammalian)	1			CXL	10	43		2011	
VC 0045	Fruiting vegetables, cucurbits (group)	0.2			CXL	10	43		2011	
FB 0269	Grapes	2			CXL	10	43		2011	
VP 0060	Legume vegetables (group)	2			CXL	10	43		2011	
VL 0482	Lettuce, head	5			CXL	10	43		2011	
VL 0483	Lettuce, leaf	7			CXL	10	43		2011	
GC 0645	Maize	0.02			CXL	10	43		2011	
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)		CXL	10	43		2011	
FM 0183	Milk fats	5			CXL	10	43		2011	
ML 0106	Milks	0.1			CXL	10	43		2011	
AL 0072	Pea hay or pea fodder (dry)	40			CXL	10	43		2011	
VO 0051	Peppers (subgroup)	0.7			CXL	10	43		2011	
HS 0444	Peppers chili, dried	7			CXL	10	43		2011	
FP 0009	Pome fruits (group)	0.8			CXL	10	43		2011	
VD 0070	Pulses	1			CXL	10	43		2011	
AL 0541	Soya bean fodder	60			CXL	10	43		2011	
FS 0012	Stone fruits (group)	2			CXL	10	43		2011	
VO 0447	Sweet corn (corn-on-the-	0.02			CXL	10	43		2011	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
DT 1114	Tea, green, black (black, fermented and dried)	50			CXL	10	43		2011	
VO 0448	Tomato	2			CXL	10	43		2011	
TN 0085	Tree nuts (group)	0.1			CXL	10	43		2011	

243 Fluopyram

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.5 mg/kg bw (2010)

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

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

For estimation of dietary intake for animal commodities: Sum of fluopyram, 2(trifluoromethyl)benzamide and the combined residues of the E-olefine and Z-olefine isomers of fluopyram, all expressed as fluopyram. Although fluopyram (parent compound) is fat-soluble, the 2-(trifluoromethyl)benzamide metabolite (the major component of the residue) is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.4		CXL	2017	50		2018	
VS	0621	Asparagus	0.01	(*)	CXL	2014	47		2015	
FI	0327	Banana	0.8		CXL	2012	45		2013	
GC	0640	Barley	0.2		CXL	2017	50		2018	
AS	0640	Barley straw and fodder, dry	2		CXL	2017	50		2018	
HH	0722	Basil	70		CXL	2017	50		2018	
DH	0722	Basil, dry	400		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, shelled	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	
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	
DF	0269	Dried grapes (=currants, raisins and sultanas)	5		CXL	2010	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VD	2065	Dry beans (subgroup)		(except soy bean (dru))	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	
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 or pea fodder (dry)	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	0697	Peanut fodder			CXL	2017	50		2018	
VP	0064	Peas, shelled (succulent seeds)			CXL	2015	48		2016	
VO	0051	Peppers (subgroup)		(except martynia, okra, roselle)	CXL	2017	50		2018	
HS	0444	Peppers chili, dried			CXL	2017	50		2018	
FS	0014	Plums (including fresh prunes) (subgroup)			CXL	2014	47		2015	
FP	0009	Pome fruits (group)			CXL	2012	45		2013	
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	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)			CXL	2017	50		2018	
SO	0495	Rape seed			CXL	2014	47		2015	
GC	0649	Rice			CXL	2017	50		2018	
AS	0649	Rice straw and fodder, dry			CXL	2017	50		2018	
CM	0649	Rice, husked			CXL	2018	51		2019	
CM	1205	Rice, polished			CXL	2018	51		2019	
GC	0650	Rye			CXL	2017	50		2018	
AS	0650	Rye straw and fodder, dry			CXL	2017	50		2018	
VD	0541	Soya bean (dry)			CXL	2017	50		2018	
AL	0541	Soya bean fodder			CXL	2017	50		2018	
VA	0389	Spring onion			CXL	2017	50		2018	
FB	0275	Strawberry			CXL	2012	45		2013	
VR	0596	Sugar beet			CXL	2012	45		2013	
SO	0702	Sunflower seed			CXL	2017	50		2018	
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)			CXL	2017	50		2018	
										(*)
VO	2045	Tomatoes (subgroup)			CXL	2018	51		2019	
TN	0085	Tree nuts (group)			CXL	2012	45		2013	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC	0653	Triticale			CXL	2017	50		2018	
AS	0653	Triticale straw and fodder, dry			CXL	2017	50		2018	
GC	0654	Wheat			CXL	2017	50		2018	
AS	0654	Wheat straw and fodder, dry			CXL	2017	50		2018	
VL	2832	Witloof chicory (sprouts)			CXL	2017	50		2018	

244 Meptyldinocap

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 1 mg/kg bw (2010)

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

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

For estimation of the dietary intake for poultry: Sum of thiamethoxam, CGA 265307 and MU3, expressed as thiamethoxam; and clothianidin (clothianidin to be considered separately from thiamethoxam). The residue is not fat-soluble.

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0620	Artichoke, globe	0.5		CXL	10	43		2011	
FI	0326	Avocado	0.5		CXL	2014	47		2015	
FI	0327	Banana	0.02	(*)	CXL	10	43		2011	
GC	0640	Barley	0.4		CXL	10	43		2011	
AS	0640	Barley straw and fodder, dry	2		CXL	10	43		2011	
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	10	43		2011	
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	5		CXL	10	43		2011	
SB	0715	Cacao beans	0.02	(*)	CXL	10	43		2011	
VS	0624	Celery	1		CXL	10	43		2011	
FC	0001	Citrus fruits (group)	0.5		CXL	10	45	43	2013	
SB	0716	Coffee beans	0.2		CXL	10	43		2011	
MO	0105	Edible offal (mammalian)	0.01	(*)	CXL	10	43		2011	
PE	0112	Eggs	0.01	(*)	CXL	10	43		2011	
VC	0045	Fruiting vegetables, cucurbits (group)	0.5		CXL	10	43		2011	
VO	0050	Fruiting vegetables, other than cucurbits (group)	0.7		CXL	10	43		2011	
DH	1100	Hops, dry	0.09		CXL	2014	47		2015	
VL	0053	Leafy vegetables	3		CXL	10	43		2011	
VP	0060	Legume vegetables (group)	0.01	(*)	CXL	10	43		2011	
GC	0645	Maize	0.05		CXL	10	43		2011	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AS	0645	Maize fodder (dry)			CXL	10	43		2011	
FI	0345	Mango			CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)			CXL	10	43		2011	
ML	0106	Milks			CXL	10	43		2011	
HH	0738	Mints			CXL	2014	47		2015	It is noted that there are several types of mints (native mints HH0764, Vietnamese mint HH0765). The reported CCN code is listed for several types of mints, including spearmint and peppermint
SO	0088	Oilseed			CXL	10	43		2011	
FI	0350	Papaya			CXL	10	43		2011	
AL	0072	Pea hay or pea fodder (dry)			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	43		2011	
GC	0656	Popcorn			CXL	10	43		2011	
PM	0110	Poultry meat			CXL	10	43		2011	
PO	0111	Poultry, edible offal of			CXL	10	43		2011	
VD	0070	Pulses			CXL	10	43		2011	
VR	0075	Root and tuber vegetables			CXL	10	43		2011	
FS	0012	Stone fruits (group)			CXL	10	43		2011	
VO	0447	Sweet corn (corn-on-the-			CXL	10	43		2011	
DT	1114	Tea, green, black (black, fermented and dried)			CXL	10	43		2011	
GC	0654	Wheat			CXL	10	43		2011	
AS	0654	Wheat straw and fodder, dry			CXL	10	43		2011	

246 Acetamiprid

Main Uses: Insecticide

JMPR: listed for several types

ADI: 0–0.07 mg/kg bw (2011)

ARfD: 0.1 mg/kg bw (2011)

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

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

The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VS	0621 Asparagus	0.8			CXL	2015	48		2016	
VP	0061 Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.4			CXL	11	44		2012	
VP	0062 Beans, shelled	0.3			CXL	11	44		2012	
FB	0018 Berries and other small fruits	2		except grapes and strawberries	CXL	11	44		2012	
VB	0041 Cabbages, head	0.7			CXL	11	44		2012	
HS	0775 Cardamom	0.1			CXL	2015	48		2016	Recommended for withdrawal
VS	0624 Celery	1.5			CXL	11	44		2012	
FS	0013 Cherries (subgroup)	1.5			CXL	11	44		2012	
FC	0001 Citrus fruits (group)	1			CXL	11	44		2012	
SO	0691 Cotton seed	0.7			CXL	11	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	11	44		2012	
VB	0042 Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	0.4			CXL	11	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	11	44		2012	
VA	0381 Garlic	0.02			CXL	11	44		2012	
FB	0269 Grapes	0.5			CXL	11	44		2012	
MF	0100 Mammalian fats (except milk fats)	0.3			CXL	2015	48		2016	

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)			CXL	2015	48		2016	
ML	0106	Milks			CXL	2015	48		2016	
FS	0245	Nectarine			CXL	11	44		2012	
VA	0385	Onion, bulb			CXL	11	44		2012	
FS	0247	Peach			CXL	11	44		2012	
VP	0064	Peas, shelled (succulent seeds)			CXL	11	44		2012	
HS	0790	Pepper, black, white			CXL	2015	48		2016	
HS	0444	Peppers chili, dried			CXL	11	44		2012	
FS	0014	Plums (including fresh prunes) (subgroup)		except prunes	CXL	11	44		2012	
FP	0009	Pome fruits (group)			CXL	11	44		2012	
PM	0110	Poultry meat			CXL	11	44		2012	
PO	0111	Poultry, edible offal of			CXL	11	44		2012	
DF	0014	Prunes			CXL	11	44		2012	
HS	0190	Spices, seeds			3	2019	52			
VA	0389	Spring onion			CXL	11	44		2012	
FB	0275	Strawberry			CXL	11	44		2012	
VO	0447	Sweet corn (corn-on-the-			CXL	2015	48		2016	
AS	0447	Sweet corn fodder			CXL	2015	48		2016	
TN	0085	Tree nuts (group)			CXL	11	44		2012	

247 Emamectin benzoate

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		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)	0.015			CXL	11	44		2012	
VL	0510 Cos lettuce	0.7			CXL	2014	47		2015	
SO	0691 Cotton seed	0.002		(*)	CXL	11	44		2012	
MO	0105 Edible offal (mammalian)	0.08			CXL	11	44		2012	
VC	0045 Fruiting vegetables, cucurbits (group)	0.007			CXL	11	44		2012	
VO	0050 Fruiting vegetables, other than cucurbits (group)	0.02		except sweet corn and mushrooms	CXL	11	44		2012	
FB	0269 Grapes	0.03			CXL	11	44		2012	
VL	0482 Lettuce, head	1			CXL	11	44		2012	
VL	0483 Lettuce, leaf	0.7			CXL	2014	47		2015	
MF	0100 Mammalian fats (except milk fats)	0.02			CXL	11	44		2012	
MM	0095 Meat (from mammals other than marine mammals)	0.004			CXL	11	44		2012	
ML	0106 Milks	0.002			CXL	11	44		2012	
VL	0485 Mustard greens	0.2			CXL	11	44		2012	
FS	0245 Nectarine	0.03			CXL	11	44		2012	
FS	0247 Peach	0.03			CXL	11	44		2012	
HS	0444 Peppers chili, dried	0.2			CXL	11	44		2012	
FP	0009 Pome fruits (group)	0.02			CXL	11	44		2012	
SO	0495 Rape seed	0.005		(*)	CXL	2014	47		2015	
TN	0085 Tree nuts (group)	0.001		(*)	CXL	2014			2015	

248 Flutriafol

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.01 mg/kg bw (2011)

ARfD: 0.05 mg/kg bw (2011)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327	Banana	0.3		CXL	11	44		2012	
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	11	44		2012	
SO	0691	Cotton seed	0.5		CXL	2015	48		2016	
DF	0269	Dried grapes (=currants, raisins and sultanas)	2		CXL	11	45	44	2013	
MO	0105	Edible offal (mammalian)	1		3	2015	48		2016	
PE	0112	Eggs	0.01	(*)	CXL	2015	48		2016	
VC	0045	Fruiting vegetables, cucurbits (group)	0.3		CXL	2015	48		2016	
FB	0269	Grapes	0.8		CXL	11	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	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(fat)	CXL	2015	48		2016	
ML	0106	Milks	0.01	(*)	CXL	2015	48		2016	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.6		CXL	2015	48		2016	
SO	0697	Peanut	0.15		CXL	11	44		2012	
AL	0697	Peanut fodder	20		CXL	11	44		2012	
VO	0051	Peppers (subgroup)	1		CXL	2015	48		2016	
HS	0444	Peppers chili, dried	10		CXL	11	44		2012	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FS	0014	Plums (including fresh prunes) (subgroup)	0.4		CXL	2015	48		2016	
FP	0009	Pome fruits (group)	0.4		CXL	2015	48		2016	
PF	0111	Poultry fats	0.02		CXL	2015	48		2016	
PM	0110	Poultry meat	0.01	(*)	CXL	2015	48		2016	
PO	0111	Poultry, edible offal of	0.03		CXL	2015	48		2016	
DF	0014	Prunes	0.9		CXL	2015	48		2016	
SO	0495	Rape seed	0.5		CXL	2015	48		2016	
GC	0651	Sorghum	1.5		CXL	2015	48		2016	
AS	0651	Sorghum straw and fodder, dry	7		CXL	2015	48		2016	
VD	0541	Soya bean (dry)	0.4		CXL	11	44		2012	
FB	0275	Strawberry	1.5		CXL	2015	48		2016	
VR	0596	Sugar beet	0.02		CXL	2015	48		2016	
AV	0596	Sugar beet leaves or tops (dry)	3	(dw)	CXL	2015	48		2016	
VO	0448	Tomato	0.8		CXL	2015	48		2016	
GC	0654	Wheat	0.15		CXL	11	44		2012	
CM	0654	Wheat bran, unprocessed	0.3		CXL	11	44		2012	
AS	0654	Wheat straw and fodder, dry	8		CXL	11	44		2012	

249 Isopyrazam

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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)-(1R, 4R, 9R)-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	11	44		2012	
GC 0640	Barley	0.6			CXL	2017	50		2018	
AS 0640	Barley straw and fodder, dry	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	11	44		2012	
MF 0100	Mammalian fats (except milk fats)	0.03			CXL	2017	50		2018	
MM 0095	Meat (from mammals other than marine mammals)	0.03	(fat)		CXL	2017	50		2018	
VC 0046	Melons, except watermelon	0.15			CXL	2017	50		2018	
FM 0183	Milk fats	0.02			CXL	2017	50		2018	
ML 0106	Milks	0.01	(*)		CXL	2017	50		2018	
SO 0697	Peanut	0.01			CXL	2017	50		2018	
VO 0445	Peppers, sweet (including pimento or pimienta)	0.09			CXL	2017	50		2018	
FP 0009	Pome fruits (group)	0.4			CXL	2017	50		2018	
PF 0111	Poultry fats	0.01	(*)		CXL	11	44		2012	
PM 0110	Poultry meat	0.01	(*)		CXL	11	44		2012	
PO 0111	Poultry, edible offal of	0.01	(*)		CXL	11	44		2012	
SO 0495	Rape seed	0.2			CXL	2017	50		2018	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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 straw and fodder, dry	15		(dw)	CXL	2017	50		2018	
GC	0654 Wheat	0.03			CXL	2017	50		2018	
CM	0654 Wheat bran, unprocessed	0.15			CXL	11	44		2012	
AS	0654 Wheat straw and fodder, dry	15		(dw)	CXL	2017	50		2018	

250 Propylene oxide

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.04 mg/kg bw (2011)

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

For estimation of dietary exposure for plant commodities: Propylene oxide, propylene chlorohydrin and propylene bromohydrin. Propylene chlorohydrin and propylene bromohydrin to be considered separately from propylene oxide. The residue is not fat soluble.

Note: [Propylene chlorohydrin](#)

ADI: 0–0.3 mg/kg bw

ARfD: 0.3 mg/kg bw

[Propylene bromohydrin](#)

ADI: 0–0.03 mg/kg bw

ARfD: 0.03 mg/kg bw

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

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: Unnecessary (2011)

Residue: For compliance with MRL and for estimation of dietary intake for plant and animal commodities: Saflufenacil. The residue is not fat-soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
AL	1020 Alfalfa fodder	0.06			CXL	2016	49		2017	
FI	0327 Banana	0.01			CXL	11	44		2012	
GC	0640 Barley	1			CXL	2016	49		2017	
CM	0640 Barley bran, unprocessed	3			CXL	2016	49		2017	
AS	0640 Barley straw and fodder, dry	10			CXL	2016	49		2017	
GC	0080 Cereal grains	0.01			CXL	11	44		2012	
FC	0001 Citrus fruits (group)	0.01			CXL	11	44		2012	
SB	0716 Coffee beans	0.01			CXL	11	44		2012	
SO	0691 Cotton seed	0.2			CXL	11	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	11	44		2012	
AS	0162 Hay or fodder (dry) of grasses	30			CXL	2016	49		2017	
SO	0693 Linseed	0.6			CXL	2017	50		2018	
AS	0645 Maize fodder (dry)	0.05			CXL	11	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	11	44		2012	
VP	0064 Peas, shelled (succulent seeds)	0.01			CXL	11	44		2012	
FP	0009 Pome fruits (group)	0.01			CXL	11	44		2012	
FI	0355 Pomegranate	0.01	(*)		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	0.3			CXL	12	45		2013	
SO	0495 Rape seed	0.6			CXL	11	44		2012	
AS	0651 Sorghum straw and fodder, dry	0.05			CXL	11	44		2012	
VP	0541 Soya bean (immature)	0.01			CXL	11	44		2012	
FS	0012 Stone fruits (group)	0.01			CXL	11	44		2012	
GS	0659 Sugar cane	0.03			CXL	2016	49		2017	
DM	0659 Sugar cane molasses	1			CXL	2016	49		2017	
SO	0702 Sunflower seed	0.7			CXL	2016	49		2017	
GC	0447 Sweet corn	0.01			CXL	11	44		2012	
TN	0085 Tree nuts (group)	0.01			CXL	11	44		2012	
GC	0653 Triticale	0.7			CXL	2016	49		2017	
AS	0653 Triticale straw and fodder, dry	10			CXL	2016	49		2017	
GC	0654 Wheat	0.7			CXL	2016	49		2017	
AS	0654 Wheat straw and fodder, dry	10			CXL	2016	49		2017	

252 Sulfoxaflor

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.3 mg/kg bw (2011)

Residue: For compliance with the MRL and for estimation of dietary intake / risk assessment for plant and animal commodities: Sulfoxaflor. The residue is not fat soluble.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.6			CXL	2011	45	44	2013	
AS	0640 Barley straw and fodder, dry	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	
VB	0041 Cabbages, head	0.4			CXL	2011	45	44	2013	
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	
SO	0691 Cotton seed	0.4			CXL	2011	45	44	2013	
DF	0269 Dried grapes (=currants, raisins and sultanas)	6			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	
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	
FB	0269 Grapes	2			CXL	2011	45	44	2013	
VL	0053 Leafy vegetables	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FC	0003	Mandarins (including mandarin-like hybrids) (subgroup)	0.8		CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)	0.4		CXL	2018	51		2019	
ML	0106	Milks	0.3		CXL	2018	51		2019	
VA	0385	Onion, bulb	0.01	(*)	CXL	2011	45	44	2013	
FC	0004	Oranges, sweet, sour (including Orange-like hybrids) (subgroup)	0.8		CXL	2014	47		2015	
FS	2001	Peaches (including apricots and nectarine) (subgroup)	0.4		CXL	2014	47		2015	
HS	0444	Peppers chili, dried	15		CXL	2011	45	44	2013	
FS	0014	Plums (including fresh prunes) (subgroup)	0.5		CXL	2014	47		2015	
FP	0009	Pome fruits (group)	0.3		CXL	2014	47		2015	
PF	0111	Poultry fats	0.03		CXL	2014	47		2015	
PM	0110	Poultry meat	0.7		CXL	2018	51		2019	
PO	0111	Poultry, edible offal of	0.3		CXL	2011	45	44	2013	
FC	0005	Pummelo and grapefruits (including Shaddock-like hybrids, among others Grapefruit) (subgroup)	0.15		CXL	2014	47		2015	
SO	0495	Rape seed	0.15		CXL	2011	45	44	2013	
GC	0649	Rice	7		CXL	2018	51		2019	
AS	0649	Rice straw and fodder, dry	20		CXL	2018	51		2019	
CM	0649	Rice, husked	1.5		CXL	2018	51		2019	
CM	1205	Rice, polished	1		CXL	2018	51		2019	
VR	0075	Root and tuber vegetables	0.03	(except carrots)	CXL	2011	45	44	2013	
GC	0651	Sorghum	0.2		CXL	2018	51		2019	
AS	0651	Sorghum straw and fodder, dry	0.7		CXL	2018	51		2019	
VD	0541	Soya bean (dry)	0.3		CXL	2011	45	44	2013	
AL	0541	Soya bean fodder	3		CXL	2011	45	44	2013	
VA	0389	Spring onion	0.7		CXL	2011	45	44	2013	
FB	0275	Strawberry	0.5		CXL	2011	45	44	2013	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0447	Sweet corn (corn on the cob) (kernels plus cob with husk removed)	0.01	(*)	CXL	2018	51		2019	
TN	0085	Tree nuts (group)	0.03		CXL	2018	51		2019	
GC	0653	Triticale	0.2		CXL	2011	45	44	2013	
GC	0654	Wheat	0.2		CXL	2011	45	44	2013	
AS	0654	Wheat straw and fodder, dry	3		CXL	2011	45	44	2013	

254 Chlorfenapyr

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
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	
AL	0541	Soya bean fodder	7	(DM)	CXL	2018	51		2018	
OC	0541	Soya bean oil, crude	0.4		CXL	2018	51		2018	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		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)	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	
DF	0269 Dried grapes (=currants, raisins and sultanas)	3			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	
FB	0269 Grapes	0.9			CXL	12	45		2013	
VL	0053 Leafy vegetables	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	

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0649	Rice	8			CXL	12	45		2013	
AS 0649	Rice straw and fodder, dry	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	

257 MCPA

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	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	Flax-seed	0.01		(*)	CXL	12	45		2013	
AS 0162	Hay or fodder (dry) of grasses	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 straw and fodder, dry	50			CXL	12	45		2013	
GC 0654	Wheat	0.2			CXL	12	45		2013	
AS 0654	Wheat straw and fodder, dry	50			CXL	12	45		2013	

259 Sedaxane

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.01	(*)	CXL	2014	47		2015	
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	(*) (fat)	CXL	12	45		2013	
FM	0183	Milk fats	0.01	(*)	CXL	12	45		2013	
ML	0106	Milks	0.01	(*)	CXL	12	45		2013	
AL	0072	Pea hay or pea fodder (dry)	0.01	(*)	CXL	2014	47		2015	
VR	0589	Potato	0.02		CXL	2014	47		2015	
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	
VD	0070	Pulses	0.01	(*)	CXL	2014	47		2015	
SO	0495	Rape seed	0.01	(*)	CXL	12	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-	0.01	(*)	CXL	2014	47		2015	

260 Ametoctradin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VB	0040	Brassica vegetables (except Brassica leafy vegetables) (group)	9		CXL	12	45		2013	
VS	0624	Celery	20		CXL	12	45		2013	
VC	0424	Cucumber	0.4		CXL	12	45		2013	
DF	0269	Dried grapes (=currants, raisins and sultanas)	20		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	
FB	0269	Grapes	6		CXL	12	45		2013	
DH	1100	Hops, dry	30		CXL	12	45		2013	
VL	0053	Leafy vegetables	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	

262 Bixafen

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
GC 0640	Barley	0.4			CXL	2016	49		2017	
AS 0640	Barley straw and fodder, dry	20	(dw)		CXL	2016	49		2017	
MO 0105	Edible offal (mammalian)	4			CXL	2016	49		2017	
PE 0112	Eggs	0.05			CXL	2016	49		2017	
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	
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	
SO 0495	Rape seed	0.04			CXL	2016	49		2017	
OR 0495	Rape seed oil, edible	0.08			CXL	2016	49		2017	
GC 0650	Rye	0.05			CXL	2016	49		2017	
AS 0650	Rye straw and fodder, dry	20	(dw)		CXL	2016	49		2017	
GC 0653	Triticale	0.05			CXL	2016	49		2017	
AS 0653	Triticale straw and fodder, dry	20	(dw)		CXL	2016	49		2017	
GC 0654	Wheat	0.05			CXL	2016	49		2017	
CM 0654	Wheat bran, unprocessed	0.15			CXL	2016	49		2017	
AS 0654	Wheat straw and fodder, dry	20	(dw)		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0050	Fruiting vegetables, other than cucurbits (group)		(except mushrooms & sweet corn)	CXL	2013	46		2014	
VA	0381	Garlic			CXL	2013	46		2014	
VL	0053	Leafy vegetables		(except Lettuce, Head)	CXL	2013	46		2014	
AL	0157	Legume animal feeds	dry wt		CXL	2013	46		2014	
VL	0482	Lettuce, head			CXL	2013	46		2014	
GC	0645	Maize			CXL	2015	48		2016	
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 or pea fodder (dry)	(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 straw and fodder, dry	(dw)		CXL	2018	51		2019	
CM	0649	Rice, husked			CXL	2018	51		2019	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
CM	1205	Rice, polished	0.01	(*)	CXL	2018	51		2019	
VR	0075	Root and tuber vegetables	0.05		(except potato)	CXL	2013	46		2014
VA	0388	Shallot	0.05			CXL	2013	46		2014
VD	0541	Soya bean (dry)	0.4			CXL	2015	48		2016
VP	0541	Soya bean (immature)	0.3			CXL	2015	48		2016
AL	0541	Soya bean fodder	80	(DM)		CXL	2015	48		2016
VA	0389	Spring onion	8			CXL	2013	46		2014
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	0.2		dry wt	CXL	2013	46		2014
FB	0275	Strawberry	1.5			CXL	2018	51		2019
SO	0702	Sunflower seed	0.5			CXL	2015	48		2016
TN	0085	Tree nuts (group)	0.04			CXL	2015	48		2016
AM	0506	Turnip fodder	0.02			CXL	2013	46		2014
FB	1236	Wine-grapes	1			CXL	2018	51		2019

264 Fenamidone

Main Uses: Fungicide

JMPR: [MPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.03 mg/kg bw (2013)

ARfD: 1 mg/kg bw (2013)

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

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

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

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

Commodity		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	
VP	0062 Beans, shelled	0.15			CXL	2014	47		2015	
VB	0041 Cabbages, head	0.9			CXL	2014	47		2015	
VR	0577 Carrot	0.2			CXL	2014	47		2015	
VS	0624 Celery	40			CXL	2014	47		2015	
SO	0691 Cotton seed	0.02 (*)			CXL	2014	47		2015	
MO	0105 Edible offal (mammalian)	0.01 (*)			CXL	2014	47		2015	
PE	0112 Eggs	0.01 (*)			CXL	2014	47		2015	
VB	0042 Flowerhead brassicas (includes Broccoli: Broccoli, Chinese and cauliflower)	4			CXL	2014	47		2015	
VC	0045 Fruiting vegetables, cucurbits (group)	0.2			CXL	2014	47		2015	
VO	0050 Fruiting vegetables, other than cucurbits (group)	1.5		(except chilli pepper, fungi, sweet corn)	CXL	2014	47		2015	
VA	0381 Garlic	0.15			CXL	2014	47		2015	
FB	0269 Grapes	0.6			CXL	2014	47		2015	
VA	0384 Leek	0.3			CXL	2014	47		2015	
VL	0482 Lettuce, head	20			CXL	2014	47		2015	
VL	0483 Lettuce, leaf	0.9			CXL	2014	47		2015	

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

266 Imazapic

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 or fodder (dry) of grasses	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 straw and fodder, dry	0.05	(*)	CXL	2013	46		2014	

267 Imazapyr

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	0.7		CXL	2017	50		2018	
AS	0640	Barley straw and fodder, dry	0.05	(dw)	CXL	2017	50		2018	
MO	0105	Edible offal (mammalian)	0.2		CXL	2015	48		2016	
PE	0112	Eggs	0.01	(*)	CXL	2013	46		2014	
AS	0162	Hay or fodder (dry) of grasses	6		CXL	2015	48		2016	
VD	0533	Lentil (dry)	0.3		CXL	2013	46		2014	
GC	0645	Maize	0.05	(*)	CXL	2013	46		2014	
MF	0100	Mammalian fats (except milk fats)	0.05	(*)	CXL	2013	46		2014	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	2013	46		2014	
ML	0106	Milks	0.01	(*)	CXL	2013	46		2014	
PF	0111	Poultry fats	0.01	(*)	CXL	2013	46		2014	
PM	0110	Poultry meat	0.01	(*)	CXL	2013	46		2014	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2013	46		2014	
SO	0495	Rape seed	0.05	(*)	CXL	2013	46		2014	
VD	0541	Soya bean (dry)	5		CXL	2015	48		2016	
SO	0702	Sunflower seed	0.08		CXL	2013	46		2014	
GC	0654	Wheat	0.05	(*)	CXL	2013	46		2014	
AS	0654	Wheat straw and fodder, dry	0.05	(*)	CXL	2013	46		2014	

268 Isoxaflutole

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.02 mg/kg bw (2013)

ARfD: Unnecessary (2013)

Residue: For compliance with the MRL and for estimation of dietary intake 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 estimation of dietary intake for animal commodities: Sum of isoxaflutole, isoxaflutole diketonitrile, RPA 205834

(2-aminomethylene-1-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	
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-	0.02 (*)			CXL	2013	46		2014	

270 Triflumizole

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2013	46		2014	
CF	0640	Barley bran, processed			CXL	2013	46		2014	
AS	0640	Barley straw and fodder, dry	dry wt		CXL	2013	46		2014	
MO	0105	Edible offal (mammalian)			CXL	2013	46		2014	
PE	0112	Eggs		(*)	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	
AS	0647	Oat straw and fodder, dry	dry wt		CXL	2013	46		2014	
GC	0647	Oats			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	
GS	0659	Sugar cane			CXL	2013	46		2014	
GC	0653	Triticale			CXL	2013	46		2014	
AS	0653	Triticale straw and fodder, dry	dry wt		CXL	2013	46		2014	
GC	0654	Wheat			CXL	2013	46		2014	
CM	0654	Wheat bran, unprocessed			CXL	2013	46		2014	
AS	0654	Wheat straw and fodder, dry	dry wt		CXL	2013	46		2014	

272 Aminocyclopyrachlor

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
MO 0105	Edible offal (mammalian)	0.3			CXL	2014	47		2015	
AS 0162	Hay or fodder (dry) of grasses	150			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	0.02			CXL	2014	47		2015	

273 Cyflumetofen

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	
DF 0269	Dried grapes (=currants, raisins and sultanas)	1.5			CXL	2014	47		2015	
MO 0105	Edible offal (mammalian)	0.02			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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		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	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	0.01 (*)	FL		CXL	2014	47		2015
DF	0269	Dried grapes (=currants, raisins and sultanas)	0.15	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
FB	0269	Grapes	0.05	FL		CXL	2014	47		2015
VL	0053	Leafy vegetables	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

Commodity										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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	0.01	(*)	FL		CXL	2014	47	2015
AS	0081	Straw and fodder (dry) of cereal grains	0.4		FL		CXL	2014	47	2015

275 Flufenoxuron

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 fodder	0.1 (*)			CXL	2014	47		2015	
GC	0640 Barley	0.02			CXL	2017	50		2018	
AS	0640 Barley straw and fodder, dry	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 or pea fodder (dry)	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 straw and fodder, dry	0.01 (*)			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)	0.01	(*)	CXL	2014	47		2015	
AL	0541	Soya bean fodder	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 straw and fodder, dry	0.05	(*)	CXL	2014	47		2015	

278 Metrafenone

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.3 mg/kg bw (2014)

ARfD: Unnecessary (2014)

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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640	Barley			CXL	2014	47		2015	
AS	0640	Barley straw and fodder, dry	(dw)		CXL	2014	47		2015	
FS	0013	Cherries (subgroup)			CXL	2016	49		2017	
DF	0269	Dried grapes (=currants, raisins and sultanas)			CXL	2014	47		2015	
MO	0105	Edible offal (mammalian)			CXL	2014	47		2015	
VO	0440	Egg plant			CXL	2016	49		2017	
PE	0112	Eggs		(*)	CXL	2014	47		2015	
VC	0045	Fruiting vegetables, cucurbits (group)			CXL	2016	49		2017	
FB	0269	Grapes			CXL	2014	47		2015	
DH	1100	Hops, dry			CXL	2016	49		2017	
MF	0100	Mammalian fats (except milk fats)		(*)	CXL	2014	47		2015	
MM	0095	Meat (from mammals other than marine mammals)		(*)	CXL	2014	47		2015	
ML	0106	Milks		(*)	CXL	2014	47		2015	
VO	0450	Mushrooms			CXL	2014	47		2015	
AS	0647	Oat straw and fodder, dry	(dw)		CXL	2014	47		2015	
GC	0647	Oats			CXL	2014	47		2015	
FS	2001	Peaches (including apricots and nectarine) (subgroup)			CXL	2016	49		2017	
VO	0444	Peppers chili			CXL	2016	49		2017	
HS	0444	Peppers chili, dried			CXL	2016	49		2017	
VO	0445	Peppers, sweet (including pimento or pimiento)			CXL	2016	49		2017	
FP	0009	Pome fruits (group)			CXL	2016	49		2017	
PF	0111	Poultry fats		(*)	CXL	2014	47		2015	
PM	0110	Poultry meat		(*)	CXL	2014	47		2015	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
PO	0111 Poultry, edible offal of	0.01 (*)			CXL	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 straw and fodder, dry	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	
AS	0654 Wheat straw and fodder, dry	10 (dw)			CXL	2014	47		2015	
CF	1212 Wheat wholemeal	0.08			CXL	2014	47		2015	

279 Pymetrozine

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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

ARfD: 0.1 mg/kg bw (2014)

Residue: For compliance with MRL for plant commodities, mammalian tissues, poultry tissues and eggs: Pymetrozine. For compliance with MRL for milks: CGA313124 (4,5-dihydro-6-hydroxymethyl-4-[(3-pyridinyl-methylene)amino]-1,2,4-triazine-3(2H)-one). For the estimation of dietary intake for plant and animal commodities: A conclusion could not be reached. The residue is not fat soluble.

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

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0–0.2 mg/kg bw (2015)

ARfD: Unnecessary (2015)

Residue: For compliance with the MRLs for plant commodities: Cyazofamid.

For estimating long-term dietary intake from plant commodities: Cyazofamid plus CCIM, expressed as cyazofamid.

For estimating short-term dietary intake from plant commodities (to be compared to the ARfD for CCIM; an ARfD was determined to be unnecessary for cyazofamid): CCIM.

For compliance with the MRLs and for dietary intake for animal commodities: Not defined.

Note: CCIM metabolite

ADI: 0–0.2 mg/kg bw

ARfD: 0.2 mg/kg bw

Cyazofamid + CCIM (long-term only). CCIM (short-term only).

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VP	0061 Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.4			CXL	2015	48		2016	
VP	0062 Beans, shelled	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	1.5			CXL	2018	51		2019	
VO	0440 Egg plant	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	6			CXL	2018	51		2019	
DH	1100 Hops, dry	15			CXL	2015	48		2016	
VL	0053 Leafy vegetables	10		(except brassica leafy vegetables)	CXL	2015	48		2016	
VL	0054 Leaves of Brassicaceae	15			CXL	2015	48		2016	
VO	0444 Peppers chili	0.8			CXL	2015	48		2016	
VO	0445 Peppers, sweet (including pimento or pimiento)	0.4			CXL	2015	48		2016	
VR	0589 Potato	0.01 (*)			CXL	2015	48		2016	
VO	0448 Tomato	0.2			CXL	2015	48		2016	

284 Flumioxazin

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 fodder	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 or fodder (dry) of grasses	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
HH	0738	Mints			CXL	2015	48		2016	
VA	0385	Onion, bulb			CXL	2015	48		2016	
SO	0697	Peanut			CXL	2015	48		2016	
VD	0072	Peas (dry)			CXL	2015	48		2016	
FP	0009	Pome fruits (group)			CXL	2015	48		2016	
FI	0355	Pomegranate			CXL	2015	48		2016	
VR	0589	Potato			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	
VD	0541	Soya bean (dry)			CXL	2015	48		2016	
FS	0012	Stone fruits (group)			CXL	2015	48		2016	
SO	0702	Sunflower seed			CXL	2015	48		2016	
VR	0508	Sweet potato			CXL	2015	48		2016	
FT	0305	Table olives			CXL	2015	48		2016	
TN	0085	Tree nuts (group)			CXL	2015	48		2016	
GC	0654	Wheat			CXL	2015	48		2016	
AS	0654	Wheat straw and fodder, dry	7	(dw)	CXL	2015	48		2016	

286 Lufenuron

Main Uses: Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 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	
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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	
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	
VS	0627 Rhubarb	0.5			CXL	2015	48		2016	
GC	0649 Rice	10			CXL	2017	50		2018	
AS	0649 Rice straw and fodder, dry	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	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	

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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.6 mg/kg bw (2016)

ARfD: Unnecessary (2016)

Residue: For compliance with MRLs for plant commodities and for compliance with MRLs and dietary risk assessment for animal commodities: Sum of imazethapyr, 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr.

For dietary risk assessment) for plant commodities: Sum of imazethapyr, and 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid (OH-imazethapyr), and 5-[1-(beta-D-glucopyranoxyloxyethyl)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr. The residue is not fat soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
AL 1031	Clover hay or fodder	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 straw and fodder, dry	0.15 (*) (dw)			CXL	2016	49		2017	
VD 0541	Soya bean (dry)	0.03			CXL	2016	49		2017	

291 Oxathiapiprolin

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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
HH 0722	Basil	10			CXL	2018	51		2019	
DH 0722	Basil, dry	80			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, dry	0.15			CXL	2018	51		2019	
DF 0269	Dried grapes (=currants, raisins and sultanas)	1.3			CXL	2016	49		2017	
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	
FB 0269	Grapes	0.9			CXL	2016	49		2017	
VL 0054	Leaves of Brassicaceae	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	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0645	Maize	0.01	(*)	CXL	2018	51		2019	
AS	0645	Maize fodder (dry)	0.01	(*)	CXL	2018	51		2019	
VA	0385	Onion, bulb	0.04		CXL	2016	49		2017	
VA	0387	Onion, Welsh	2		CXL	2016	49		2017	
VP	0063	Peas (pods and succulent=immature seeds)	1		CXL	2016	49		2017	
VP	0064	Peas, shelled (succulent seeds)	0.05		CXL	2016	49		2017	
HS	0444	Peppers chili, dried	4		CXL	2016	49		2017	
SO	0698	Poppy seed	0.01	(*)	CXL	2018	51		2019	
PF	0111	Poultry fats	0.01	(*)	CXL	2018	51		2019	
PM	0110	Poultry meat	0.01	(*)	CXL	2018	51		2019	
PO	0111	Poultry, edible offal of	0.01	(*)	CXL	2018	51		2019	
VA	0388	Shallot	0.04		CXL	2016	49		2017	
VD	0541	Soya bean (dry)	0.01	(*)	CXL	2018	51		2019	
AL	3354	Soya bean hay	0.02		CXL	2018	51		2019	
VL	0502	Spinach	15		CXL	2016	49		2017	
VA	0389	Spring onion	2		CXL	2016	49		2017	
SO	0702	Sunflower seed	0.01	(*)	CXL	2018	51		2019	
DV	0448	Tomato, dried	3		CXL	2016	49		2017	
VR	2071	Tuberous and corm vegetables (subgroup)	0.04		CXL	2018	51		2019	
VS	2081	Young shoots	2		CXL	2018	51		2019	

293 Pinoxaden

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	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 straw and fodder, dry	3 (dw)			CXL	2016	49		2017	

294 Spiromesifen

Main Uses: Acaricide and Insecticide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		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)	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	
MO	0105	Edible offal (mammalian)	0.3		CXL	2016	49		2017	
VO	0440	Egg plant	0.7		CXL	2016	49		2017	
PE	0112	Eggs	0.02		CXL	2016	49		2017	
VC	0045	Fruiting vegetables, cucurbits (group)	0.09		CXL	2016	49		2017	except melon and cucumber
VL	0053	Leafy vegetables	15		CXL	2016	49		2017	
VL	0054	Leaves of Brassicaceae	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	
MM	0095	Meat (from mammals other than marine mammals)	0.15	F	CXL	2016	49		2017	
VC	0046	Melons, except watermelon	0.3		CXL	2016	49		2017	
ML	0106	Milks	0.015		CXL	2016	49		2017	

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
VO	0442	Okra			CXL	2016	49		2017	
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	
PM	0110	Poultry meat			CXL	2016	49		2017	
PO	0111	Poultry, edible offal of			CXL	2016	49		2017	
VO	0447	Sweet corn (corn-on-the-		(*)	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
GC	0640 Barley	0.04			CXL	2017	50		2018	
CF	0640 Barley bran, processed	0.1			CXL	2017	50		2018	
AS	0640 Barley straw and fodder, dry	0.8	(dw)		CXL	2017	50		2018	
MO	0105 Edible offal (mammalian)	3			CXL	2017	50		2018	
PE	0112 Eggs	0.01	(*)		CXL	17	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	17	50		2018	
PM	0110 Poultry meat	0.01	(*)		CXL	17	50		2018	
PO	0111 Poultry, edible offal of	0.01	(*)		CXL	17	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 straw and fodder, dry	0.8	(dw)		CXL	2017	50		2018	

298 Fenpyrazamine

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.3 mg/kg bw (2017)

ARfD: 0.8 mg/kg bw (2017)

Residue: For plant commodities for enforcement of MRLs: Fenpyrazamine.

For plant commodities for estimation of dietary exposure: Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine. For animal commodities for enforcement of MRLs and for estimation of dietary exposure: Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine. The residue is not fat-soluble.

Commodity Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
TN 0660	Almonds	0.01		(*)	CXL	2017	50		2018	
FB 2006	Bush berries (subgroup)	4			CXL	2017	50		2018	
FB 2005	Cane berries (subgroup)	5			CXL	2017	50		2018	
FS 0013	Cherries (subgroup)	3			CXL	2017	50		2018	
VO 4275	Cherry tomato	3			CXL	2017	50		2018	
VC 0424	Cucumber	0.7			CXL	2017	50		2018	
DF 0269	Dried grapes (=currants, raisins and sultanas)	9			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	
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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-0.1 mg/kg bw (2017)

ARfD: Unnecessary (2017)

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

For estimation of dietary exposure for rice: Isoprothiolane. For estimation of dietary exposure 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 estimation of dietary exposure 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

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
MO	0105	0.01		(*)	CXL	2017	50		2018	
MF	0100	0.01		(*)	CXL	2017	50		2018	
MM	0095	0.01		(*)	CXL	2017	50		2018	
ML	0106	0.01		(*)	CXL	2017	50		2018	
CM	0649	6			CXL	2017	50		2018	
CM	1205	1.5			CXL	2017	50		2018	

300 Natamicyn

Main Uses: Acaricide

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: No 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

JMPR: See [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

ADI: 0-1 mg/kg bw (Applies to fosetyl-aluminium and phosphonic acid, expressed as fosetyl-aluminium)

ARfD: Unnecessary (2017)

Residue: For compliance with the MRL and for estimation of dietary exposure for plant commodities: Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid.

For compliance with the MRL and for estimation of dietary exposure for animal commodities: Phosphonic acid.

The residue is not fat-soluble

Note: The proposed maximum residue levels, STMRs are reported in the fosetyl-aluminium appraisal.

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

303 Triflumezopyrim

Main Uses: Acaricide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 straw and fodder, dry	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

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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	

305 Fenpicoxamid

Main Uses: Fungicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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.

Commodity		MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
Code	Name									
FI	0327 Banana	0.15			CXL	2018	51		2019	

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

308 Norflurazon

Main Uses: Herbicide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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 fodder	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	

311 Tioxazafen

Main Uses: Nematocide

JMPR: [JMPR 2019 Report](#), Annex 2: Index of reports and evaluations of pesticides by JMPR.

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			CXL	2018	51			2019
SO	0691	Cotton seed			CXL	2018	51			2019
MO	0105	Edible offal (mammalian)			CXL	2018	51			2019
PE	0112	Eggs			CXL	2018	51			2019
GC	0645	Maize			CXL	2018	51			2019
AS	0645	Maize fodder (dry)		(DM)	CXL	2018	51			2019
MF	0100	Mammalian fats (except milk fats)			CXL	2018	51			2019
MM	0095	Meat (from mammals other than marine mammals)			CXL	2018	51			2019
ML	0106	Milks			CXL	2018	51			2019
PF	0111	Poultry fats		(*)	CXL	2018	51			2019
PM	0110	Poultry meat		(*)	CXL	2018	51			2019
PO	0111	Poultry, edible offal of		(*)	CXL	2018	51			2019
VD	0541	Soya bean (dry)			CXL	2018	51			2019
AL	0541	Soya bean fodder		(DM)	CXL	2018	51			2019
AB	1265	Soya bean meal			CXL	2018	51			2019

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			28		1997	
GC	0080	Cereal grains	0.02	E						
FC	0001	Citrus fruits	0.05	E			28		1997	
PE	0112	Eggs	0.1	E						
VC	0045	Fruiting vegetables, Cucurbits	0.1	E			28		1997	
VP	0529	Garden pea, Shelled (succulent seeds)	1	E						
VL	0053	Leafy vegetables	0.05	E			28		1997	
VP	0060	Legume vegetables	0.05	E			28		1997	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat) E						
ML	0106	Milks	0.006	F E						
FP	0009	Pome fruits	0.05	E			28		1997	
PM	0110	Poultry meat	0.2	E			28		1997	
VD	0070	Pulses	0.05	E			28		1997	
VR	0075	Root and tuber vegetables	0.1	E			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										
Code	Name	MRL (mg/kg)	Source	Note CXL	Step	JMPR	CCPR	Prior CCPR	CAC	Note CCPR
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 iminocladine. 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	