codex alimentarius commission

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

WORLD HEALTH ORGANIZATION

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Agenda Item 7

CX/PR 03/5
March 2003

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

Thirty-fifth Session

Rotterdam, The Netherlands, 31 March - 5 April 2003

DRAFT AND PROPOSED DRAFT MAXIMUM RESIDUE LIMITS IN FOODS AND FEEDS AT STEPS 7 AND 4

This document contains the following:

- Explanatory Notes
- Table 1 List of Pesticides Whose Maximum Residue Limits or Guidelines Levels Have Been Withdrawn by the Codex Alimentarius Commission and for Which No MRLs Have Been Proposed
- Indices of Pesticides
- Part A.1 List of Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part A.2 List of Extraneous Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part A.3 List of Pesticides for Which Guideline Levels Have Been Set
- Annex 1 MRL Periodic Review Procedure

EXPLANATORY NOTES

1. DATES OF ESTIMATION OF ACCEPTABLE DAILY INTAKES (ADIS), TEMPORARY ACCEPTABLE DAILY INTAKES (TADIS), PROVISIONAL TOLERABLE DAILY INTAKES (PTDIS) AND ACUTE RFERNCE 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 determination.
E	(following MRLs)	:	The MRL based on extraneous residues.
EMRL	(as heading)	:	Extraneous Maximum Residue Limit.
F	(following MRLs for milk)	:	The residue is fat soluble and MRLs for milk and milk products are derived as explained in the introductions to Volume 2 of the *Codex Alimentarius*.
(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 : The CCPR decided to recommend to the Codex Alimentarius Commission to delete the CXL, pending decision by the Commission.

5/8 : The draft MRL is submitted to the CAC simultaneously at Steps 5 and 8 because the CCPR has recommended the omission of, or has already carried out, Steps 6 and 7.

7A : The draft MRL is held at Step 7 only because the ADI is temporary. It will be submitted to the CAC at Step 8 as soon as a full ADI is estimated.

7B : The draft MRL is held at Step 7 pending further consideration by the JMPR. After such consideration it will be returned to Step 6 for comments by Governments.

7C : The draft MRL is held at Step 7 to await developments (other than review by the JMPR) upon which further action by the Committee is contingent. After such developments it will be returned to Step 6.

(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, 7A, 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 (*Codex Alimentarius* Volume 2, Second Edition, Section 2).

(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

6. REPORTS OF CCPR SESSIONS

Session No.	Year	Document Reference No.	Session No.	Year	Document Reference No.
1	1966	ALINORM 66/24	18	1986	ALINORM 87/24
2	1967	ALINORM 68/24	19	1987	ALINORM 87/24A
3	1968	ALINORM 69/24	20	1988	ALINORM 89/24
4	1969	ALINORM 70/24	21	1989	ALINORM 89/24A
5	1970	ALINORM 71/24	22	1990	ALINORM 91/24
6	1972	ALINORM 72/24A	23	1991	ALINORM 91/24A
7	1974	ALINORM 74/24	24	1992	ALINORM 93/24
8	1975	ALINORM 76/24	25	1993	ALINORM 93/24A
9	1977	ALINORM 78/24	26	1994	ALINORM 95/24
10	1978	ALINORM 79/24	27	1995	ALINORM 95/24A
11	1979	ALINORM 79/24A	28	1996	ALINORM 97/24
12	1980	ALINORM 81/24	29	1997	ALINORM 97/24A
13	1981	ALINORM 83/24	30	1998	ALINORM 99/24
14	1982	ALINORM 83/24A	31	1999	ALINORM 99/24A
15	1983	ALINORM 85/24	32	2000	ALINORM 01/24
16	1984	ALINORM 85/24A	33	2001	ALINORM 01/24A
17	1985	ALINORM 85/24B	34	2002	ALINORM 03/24

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

60	PHOSALONE
103	PHOSMET
61	PHOSPHAMIDON
141	PHOXIM
62	PIPERONYL BUTOXIDE
101	PIRIMICARB
86	PIRIMIPHOS-METHYL
142	PROCHLORAZ
136	PROCYMIDONE
171	PROFENOFOS
148	PROPAMOCARB
113	PROPARGITE
183	PROPHAM
160	PROPICONAZOLE
75	PROPOXUR
150	PROPYLENE THIOUREA (PTU)***
153	PYRAZOPHOS
63	PYRETHRINS
64	QUINTOZENE
89	SEC-BUTYLAMINE*
203	SPINOZAD
121	2,4,5-T*
189	TEBUCONAZOLE
115	TECNAZENE
190	TEFLUBENZURON
167	TERBUFOS
65	THIABENDAZOLE
154	THIODICARB
76	THIOMETON
77	THIOPHANATE-METHYL
191	TOLCLOFOS-METHYL
162	TOLYLFLUANID
133	TRIADIMEFON
168	TRIADIMENOL
143	TRIAZOPHOS
66	TRICHLORFON
116	TRIFORINE
78	VAMIDOTHION
159	VINCLOZOLIN

Note:

*, See Table 1;

**, See Part A.2 (EMRLs);

***, See Part A.3 (GLs);

Otherwise see Part A.1 (MRLs).

INDEX OF PESTICIDES IN CODE ORDER

154	THIODICARB
155	BENALAXYL
156	CLOFENTEZINE
157	CYFLUTHRIN
158	GLYPHOSATE
159	VINCLOZOLIN
160	PROPICONAZOLE
161	PACLOBUTRAZOL
162	TOLYLFLUANID
163	ANILAZINE
164	DEMETON-S-METHYLSULPHON
165	FLUSILAZOLE
166	OXYDEMETON-METHYL
167	TERBUFOS
168	TRIADIMENOL
169	CYROMAZINE
170	HEXACONAZOLE
171	PROFENOFOS
172	BENTAZONE
173	BUPROFEZIN
174	CADUSAFOS
175	GLUFOSINATE-AMMONIUM
176	HEXYTHIAZOX
177	ABAMECTIN
178	BIFENTHRIN
179	CYCLOXYDIM
180	DITHIANON
181	MYCLOBUTANIL
182	PENCONAZOLE
183	PROPHAM*
184	ETOFENPROX
185	FENPROPATHRIN
186	METIRAM
187	CLETHODIM
188	FENPROPIMORPH
189	TEBUCONAZOLE
190	TEFLUBENZURON
191	TOLCLOFOS-METHYL
192	FENARIMOL
193	FENPYROXIMATE
194	HALOXYFOP
195	FLUMETHRIN
196	TEBUFENOZIDE
197	FENBUCONAZOLE
198	AMINOMETHYL PHOPHONIC ACID (AMPA)
199	KRESOXIM-METHYL
200	PYRIPROXIFEN
201	CHLOROPROPHAM
202	FIPRONIL
203	SPINOZAD

Note:
*, See Table 1;
**, See Part A.2 (EMRLs);
***, See Part A.3 (GLs);
Otherwise see Part A.1 (MRLs).

Table 1. LIST OF PESTICIDES WHOSE MRLS OR GLS HAVE BEEN WITHDRAWN BY THE CODEX ALIMENTARIUS COMMISSION AND FOR WHICH NO MRLS HAVE BEEN PROPOSED

Code	Name	ADI (mg/kg body weight)	MRLs or GLs deleted
3	Binapacryl	Withdrawn (1982)	MRLs
4	Bromophos	0.04 (1977)	MRLs
5	Bromophos-ethyl	0.03 (1975)	MRLs
6	Captafol	Withdrawn (TADI, 1985)	MRLs, TMRLs
9	Carbon disulphide	Not cleared toxicologically	GLs
10	Carbon tetrachloride	Not cleared toxicologically	GLs
11	Carbophenothion	0.0005 (1979)	MRLs
13	Chlordimeform	Withdrawn (TADI, 1987)	MRLs, TMRLs
16	Chlorobenzilate	0.02 (1980)	MRLs
18	Coumaphos	Withdrawn (TADI, 1980)	GLs
19	Crufomate	0.1 (1968)	MRLs
23	1,2-Dibromoethane	Not cleared toxicologically	GLs
24	1,2-Dichloroethane	Not cleared toxicologically	GLs
28	Dioxathion	0.0015 (1968)	MRLs
29	Diphenyl	0.125 (1967)	MRLs
36	Fenchlorphos	0.01 (1968)	MRLs
38	Fensulfothion	0.0003 (1982)	MRLs
42	Formothion	0.02 (1973)	MRLs (no longer supported)
44	Hexachlorobenzene	Withdrawn (1978)	MRLs (GLs)
45	Hydrogen cyanide	0.05 (1965)	MRLs
68	Azinphos-ethyl	Not cleared toxicologically	GLs
71	Camphechlor	Not cleared toxicologically	GLs
79	Amitrole	0.0005 (TADI, 1993-97)	MRLs
87	Dinocap	0.001 (1989)	TMRLs (Step 6)
88	Leptophos	Not cleared toxicologically	
89	Sec-Butylamine	Withdrawn (TADI, 1984)	MRLs, GLs
91	Cyanofenphos	Withdrawn (TADI, 1983)	TMRLs
92	Demeton	Withdrawn (1982)	MRLs, GLs
98	Dialifos	Withdrawn (1982)	GLs
99	Edifenphos	0.003 (1981)	MRLs
104	Daminozide	0.5 (1989, 91)	MRLs (Step 6)
107	Ethiofencarb	0.1 (1982)	MRLs
108	Ethylene thiourea	0.004 (1993)	MRLs (Step 8)
121	2,4,5-T	0.03 (1981)	MRLs
134	Aminocarb	Not cleared toxicologically	GLs
139	Butocarboxim	Not cleared toxicologically	GLs
140	Nitrofen	Not cleared toxicologically	GLs
145	Carbosulfan	0.01 (1986)	MRL (Step 6)
183	Propham	Not cleared toxicologically	No MRLs proposed

PART A.1

LIST OF MAXIMUM RESIDUE LIMITS FOR PESTICIDES IN FOOD AND ANIMAL FEEDS

(At Various Steps of the Codex Procedure)

2 AZINPHOS-METHYL

Main Uses 8 INSECTICIDE
JMPR 65T, 68, 72R, 73T, 74R, 91, 93R, 95R
ADI 0.005 mg/kg body weight (1991)
RESIDUE Azinphos-methyl.
Note A full data package will be sent to the JMPR for grapes (28.30).

Commodity Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	10		CXL		(1995)	
AL 1021	Alfalfa forage (green)	5		CXL		(1995)	
AM 0660	Almond hulls	5		CXL		(1997)	
TN 0660	Almonds	0.05		CXL		(1997)	
FP 0226	Apple	2		CXL		(1997)	
FB 0020	Blueberries	5		CXL		(1995)	
VB 0400	Broccoli	1		CXL			
FS 0013	Cherries	2		CXL		(1997)	
AL 1031	Clover hay or fodder	5		CXL		(1995)	
SO 0691	Cotton seed	0.2		CXL			
FB 0265	Cranberry	0.1		CXL		(1995)	
VC 0424	Cucumber	0.2		CXL		(1995)	
AO2 0002	Fruits (except as otherwise listed)	1		CXL		25, 26	
VC 0046	Melons, except watermelon	0.2		CXL		(1995)	A full data package will be sent to the JMPR (28.30)
FS 0245	Nectarine	2		CXL		(1997)	
FS 0247	Peach	2		CXL		(1997)	
FP 0230	Pear	2		CXL		(1997)	
TN 0672	Pecan	0.3		CXL		(1995)	
VO 0445	Peppers, Sweet	1		CXL		(1995)	
FS 0014	Plums (including prunes)	2		CXL		(1997)	
VR 0589	Potato	0.05	(*)	CXL		(1995)	Processing data will be sent to the JMPR (28.30)
VD 0541	Soya bean (dry)	0.05	(*)	CXL		(1995)	
GS 0659	Sugar cane	0.2		CXL		(1995)	

VO	0448	Tomato	1	CXL	(1997)
AO1	0002	Vegetables (except as otherwise listed)	0.5	CXL	25
TN	0678	Walnuts	0.3	CXL	(1995)
VC	0432	Watermelon	0.2	CXL	(1995)

7 CAPTAN

Main Uses 5 FUNGICIDE
JMPR 63,65T,69,73T,74R,77,78,80R,82T,84,86R,87R,90,94R,95T,97R, 00R'
ADI 0.1 mg/kg body weight (1984; confirmed 1990, 1995)
RESIDUE Captan.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
TN 0660	Almonds	0.3			5/8	00		
FP 0226	Apple	25		T	CXL			
FP 0226	Apple	20			6(a)	94, 97, 00	28, 31, 32	Returned to current Step
FB 0020	Blueberries	20			CXL			
FS 0013	Cherries	25			6	94, 97, 00	28, 31, 32	Returned to current Step
VC 0424	Cucumber	3			5	00		
DF 0269	Dried grapes (=currants, raisins and sultanas)	50			6	97	31, 32	Returned to current Step
FB 0269	Grapes	25			6	94, 97	28, 31, 32	Returned to current Step
VC 0046	Melons, except watermelon	10			5	00		
FS 0245	Nectarine	3			6	94, 00	28, 31, 32	Returned to current Step
FS 0247	Peach	15			CXL			
FS 0247	Peach	20			5	00		
FP 0230	Pear	25		T	CXL			
FS 0014	Plums (including prunes)	10			6(a)	94	28, 32	Returned to current Step
FP 0009	Pome fruits	15	Po		5	00		
VR 0589	Potato	0.05			5/8	00		
FB 0272	Raspberries, Red, Black	20			5	00		
FB 0275	Strawberry	20		T	CXL			
FB 0275	Strawberry	15			6(a)	94, 97, 00	28, 31, 32	Returned to current Step
VO 0448	Tomato	15		T	CXL			
VO 0448	Tomato	5			6(a)	94, 00	28, 31, 32	Returned to current Step

8 CARBARYL

Main Uses 8 INSECTICIDE
JMPR 65T, 66, 67, 68R, 69, 70R, 73, 75R, 76R, 77R, 79R, 84R, 96T', 00T, 01T, 02R'
ADI 0.008 mg/kg body weight (2001)
AcuteRfD 0.2 mg/kg body weight (2001)
RESIDUE Carbaryl.
Note Temporary Codex MRLs: Valid 1999-2003.
Previous ADI, 0.003 mg/kg bw (1996).
The CCPR-32 decided to retain all temporary CXLs awaiting the toxicological evaluation by the 2000 JMPR and the residue evaluation by the 2001 JMPR (32.86)

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
	[Rice hulls]	50			3	02		
	[Sorghum forage (dry)]	50			3	02		
	[Soya bean hulls]	0.3			3	02		
	[Sunflower forage]	5			3	02		
	[Sweet corn cannery waste]	7.4			3	02		
	[Tomato paste]	10			3	02		
AL 1021	Alfalfa forage (green)	100		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AM 0660	Almond hulls	50			3	02		
FP 0226	Apple	5		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FS 0240	Apricot	10		T	CXL		(1999) 32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
VS 0621	Asparagus	10		T	CXL		(1999) 32	1999-2003
VS 0621	Asparagus	15			3(a)	02		
FI 0327	Banana	5		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
GC 0640	Barley	5	Po	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AL 1030	Bean forage (green)	100		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR 0574	Beetroot	2		T	CXL		(1999) 32	1999-2003
VR 0574	Beetroot	0.1			3(a)	02		
FB 0264	Blackberries	10		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FB 0020	Blueberries	7		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VB 0041	Cabbages, Head	5		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR 0577	Carrot	2		T	CXL		(1999) 32	1999-2003

VR	0577	Carrot	0.5		3(a)	02		
MM	0812	Cattle meat	0.2	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FS	0013	Cherries	10	T	CXL		(1999) 32	1999-2003
FS	0013	Cherries	20		3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC	0001	Citrus fruits	7	T	CXL		(1999) 32	1999-2003
FC	0001	Citrus fruits	15		3(a)	02		
JF	0001	Citrus juice	0.5		3	02		
AB	0001	Citrus pulp, Dry	4		3	02		
AL	1023	Clover	100	T fresh wt	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VP	0526	Common bean (pods and/or immature seeds)	5	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0691	Cotton seed	1	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VD	0527	Cowpea (dry)	1	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0265	Cranberry	7	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VC	0424	Cucumber	3	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0266	Dewberries (including boysenberry and loganberry)	10	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
DF	0269	Dried grapes (=currants, raisins and sultanas)	50		3	02		
VO	0440	Egg plant	5	T	CXL		(1999) 32	1999-2003
VO	0440	Egg plant	1		3(a)	02		
PE	0112	Eggs	0.5	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
MM	0814	Goat meat	0.2	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
JF	0269	Grape juice	30		3	02		
AB	0269	Grape pomace, Dry	80		3	02		
FB	0269	Grapes	5	T	CXL		(1999) 32	1999-2003
FB	0269	Grapes	40		3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
AS	0162	Hay or fodder (dry) of grasses	100	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)

MO	0098	Kidney of cattle, goats, pigs & sheep	3			3	02		
FI	0341	Kiwifruit	10		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VL	0053	Leafy vegetables	10		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
MO	0099	Liver of cattle, goats, pigs & sheep	1			3	02		
GC	0645	Maize	0.02	(*)		3	02		
AS	0645	Maize fodder	250			3	02		
AF	0645	Maize forage	100		T fresh wt	CXL		(1999) 32	1999-2003
AF	0645	Maize forage	400		dry wt	3(a)	02		
OC	0645	Maize oil, Crude	0.1			3	02		
MM	0095	Meat (from mammals other than marine mammals)	0.05			3	02		
VC	0046	Melons, except watermelon	3		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AO3	0001	Milk products	0.1	(*)	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
ML	0106	Milks	0.1	(*)	T	CXL		(1999) 32	1999-2003
ML	0106	Milks	0.05			3(a)	02		
FS	0245	Nectarine	10		T	CXL		(1999) 32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
AO5	1900	Nuts (whole in shell)	10		T	CXL	02	(1999) 32	1999-2003; Except peanut, whole and tree nuts. Withdrawal recommended (2002 JMPR)
GC	0647	Oats	5	Po	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0442	Okra	10		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
OC	0305	Olive oil, Virgin	25			3	02		
FT	0305	Olives	10		T	CXL		(1999) 32	1999-2003
FT	0305	Olives	30			3(a)	02		
DM	0305	Olives, Processed	1		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0588	Parsnip	2		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AL	0528	Pea vines (green)	100		T fresh wt	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FS	0247	Peach	10		T	CXL		(1999) 32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
AL	0697	Peanut fodder	100		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0703	Peanut, Whole	2		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FP	0230	Pear	5		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)

VP	0063	Peas (pods and succulent=immature seeds)	5	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0051	Peppers	5	T	CXL		(1999) 32	1999-2003 To be replaced by the MRL for peppers, sweet (2002 JMPR)
VO	0445	Peppers, Sweet	5		3(a)	02		
FS	0014	Plums (including prunes)	10	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0589	Potato	0.2	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
PM	0110	Poultry meat	0.5	T	CXL	02	(1999) 32	1999-2003; The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR)
PO	0113	Poultry skin	5	T	CXL	02	(1999) 32	1999-2003; The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR)
VC	0429	Pumpkins	3	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0494	Radish	2	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0272	Raspberries, Red, Black	10	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
GC	0649	Rice	5	Po T	CXL		(1999) 32	1999-2003
GC	0649	Rice	50		3(a)	02		
CM	1206	Rice bran, Unprocessed	170		3	02		
AS	0649	Rice straw and fodder, Dry	120		3	02		
CM	0649	Rice, Husked	5	PoP T	CXL		(1999) 32	1999-2003 To be replaced by the MRL for rice, polished (2002 JMPR)
CM	1205	Rice, Polished	1		3(a)	02		
GC	0650	Rye	5	Po T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
MM	0822	Sheep meat	0.2	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
GC	0651	Sorghum	10	Po T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AF	0651	Sorghum forage (green)	100	T fresh wt	CXL		(1999) 32	1999-2003
AF	0651	Sorghum forage (green)	20		3(a)	02		
VD	0541	Soya bean (dry)	1	T	CXL		(1999) 32	1999-2003
VD	0541	Soya bean (dry)	0.2		3(a)	02		
AL	0541	Soya bean fodder	15		3	02		
AL	1265	Soya bean forage (green)	100	T fresh wt	CXL		(1999) 32	1999-2003
AL	1265	Soya bean forage (green)	30	dry wt	3(a)	02		
OC	0541	Soya bean oil, Crude	0.2		3	02		
VC	0431	Squash, Summer	3	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)

FS	0012	Stone fruits	10			3(a)	02		Except cherries. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FB	0275	Strawberry	7		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0596	Sugar beet	0.2		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
AV	0596	Sugar beet leaves or tops	100		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0702	Sunflower seed	0.2			3	02		
OC	0702	Sunflower seed oil, Crude	0.05			3	02		
VR	0497	Swede	2		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.1			3(a)	02		
VO	1275	Sweet corn (kernels)	1		T	CXL		(1999) 32	1999-2003
VR	0508	Sweet potato	0.02	(*)		3	02		
VO	0448	Tomato	5		T	CXL		(1999) 32	1999-2003
VO	0448	Tomato	5			3(a)	02		
JF	0448	Tomato juice	3			3	02		
TN	0085	Tree nuts	1		T	CXL		(1999) 32	1999-2003
TN	0085	Tree nuts	1			3(a)	02		
VR	0506	Turnip, Garden	1			3	02		
GC	0654	Wheat	5	Po	T	CXL		(1999) 32	1999-2003
GC	0654	Wheat	2			3(a)	02		
CM	0654	Wheat bran, Unprocessed	20	PoP	T	CXL		(1999) 32	1999-2003
CM	0654	Wheat bran, Unprocessed	2			3(a)	02		
CF	1211	Wheat flour	0.2	PoP	T	CXL		(1999) 32	1999-2003
CF	1211	Wheat flour	0.2			3(a)	02		
CF	1210	Wheat germ	1			3	02		
AS	0654	Wheat straw and fodder, Dry	30			3	02		
CF	1212	Wheat wholemeal	2	PoP	T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)
VC	0433	Winter squash	3		T	CXL	02	(1999) 32	1999-2003 Withdrawal recommended (2002 JMPR)

15 CHLORMEQUAT

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 70, 72, 76R, 85R, 94', 97T, 99T, 00R
ADI 0.05 mg/kg body weight (1997)
AcuteRfD 0.05 mg/kg body weight (1999)
RESIDUE Chlormequat cation (usually used as the chloride).
Note The 1994 JMPR made new proposals for MRLs despite the withdrawal of the previous ADI. As the 1997 JMPR allocated a new full ADI, these proposals have been considered as MRLs.
The availability of residue data on pear and cereals was confirmed. Two 28-day feeding studies on rat and dog were available for evaluation by the 2000 JMPR (31.44).
The CAC-32 returned all draft MRLs to Step 6 pending evaluation of new data including feeding studies by the 2000 JMPR (32.88)

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
GC 0640	Barley	2			8	94, 00	30, 32	
AS 0640	Barley straw and fodder, Dry	50			CXL			
SO 0691	Cotton seed	0.5			8	94	30, 32	
PE 0112	Eggs	0.1			5/8	00		
MM 0814	Goat meat	0.2			5/8	00		
MO 0098	Kidney of cattle, goats, pigs & sheep	0.5			5/8	00		
MO 0099	Liver of cattle, goats, pigs & sheep	0.1			5/8	00		
AS 0645	Maize fodder	7		dry wt	5/8	00		
AF 0645	Maize forage	15		dry wt	5/8	00		
MM 0097	Meat of cattle, pigs & sheep	0.2			5/8	00		
ML 0107	Milk of cattle, goats & sheep	0.5			5/8	00		
AF 0647	Oat forage (green)	100		dry wt	8	94, 00	30, 32	
AS 0647	Oat straw and fodder, Dry	50			CXL			
GC 0647	Oats	10			CXL	00		Confirmed (1994 & 2000 JMPR)
FP 0230	Pear	3			CXL			
PM 0110	Poultry meat	0.04	(*)		5/8	00		
PO 0111	Poultry, Edible offal of	0.1			5/8	00		
SO 0495	Rape seed	5			8	94	30, 32	
OC 0495	Rape seed oil, Crude	0.1	(*)		8	94	30, 32	

GC	0650	Rye	5		CXL			
GC	0650	Rye	3		6(a)	94, 00	30, 32	Returned to current Step
CM	0650	Rye bran, Unprocessed	10		6	94, 00	30, 32	Returned to current Step
CF	1250	Rye flour	3		5	00		
AF	0650	Rye forage (green)	100	dry wt	8	94, 00	30, 32	
AS	0650	Rye straw and fodder, Dry	50		CXL			
CF	1251	Rye wholemeal	4		8	94	30, 32	
AS	0081	Straw and fodder (dry) of cereal grains	30	dry wt	5	00		
GC	0653	Triticale	3		5	00		
GC	0654	Wheat	5		CXL			
GC	0654	Wheat	3		6(a)	94, 00	30, 32	Returned to current Step
CM	0654	Wheat bran, Unprocessed	10		6	94, 00	30, 32	Returned to current Step
CF	1211	Wheat flour	2		6	94, 00	30, 32	Returned to current Step
AS	0654	Wheat straw and fodder, Dry	50		CXL			
CF	1212	Wheat wholemeal	5		6	94, 00	30, 32	Returned to current Step

17 CHLORPYRIFOS

Main Uses 8 INSECTICIDE
JMPR 72, 74R, 75R, 77, 81R, 82, 83R, 95R, 99T', 00R'
ADI 0.01 mg/kg body weight (1982; confirmed 1999)
AcuteRfD 0.1 mg/kg body weight (1999)
RESIDUE Chlorpyrifos (fat-soluble).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL	1020	Alfalfa fodder	5		5	00		
AL	1021	Alfalfa forage (green)	20		5	00		
TN	0660	Almonds	0.05		5	00		
FP	0226	Apple	1		CXL	00		To be replaced by the MRL for pome fruits (2000 JMPR)
FI	0327	Banana	2		5	00		
VB	0400	Broccoli	2		5	00		
VB	0041	Cabbages, Head	0.05	(*)	CXL			
VB	0041	Cabbages, Head	1		5	00		
VR	0577	Carrot	0.5		CXL			
VR	0577	Carrot	0.1		5	00		
MO	1280	Cattle kidney	0.01		5	00		
MO	1281	Cattle liver	0.01		5	00		
MM	0812	Cattle meat	2	(fat)	CXL			The MRL accommodates external animal treatment.
MM	0812	Cattle meat	1	(fat)	5	00		
VB	0404	Cauliflower	0.05	(*)	CXL			
VB	0404	Cauliflower	0.05		5	00		
VS	0624	Celery	0.05	(*)	CXL-D	00		
PM	0840	Chicken meat	0.1	(fat)	CXL	00		To be replaced by the MRL for poultry meat (2000 JMPR)
VL	0467	Chinese cabbage (type pe-tsai)	1		CXL			Confirmed (2000 JMPR)
FC	0001	Citrus fruits	1		CXL		(1999)	Confirmed (2000 JMPR)
SB	0716	Coffee beans	0.05		5	00		
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL			

VP	0526	Common bean (pods and/or immature seeds)	0.01		5	00	
SO	0691	Cotton seed	0.05	(*)	CXL	00	Retained as part of 4-year periodic review
OC	0691	Cotton seed oil, Crude	0.05	(*)	CXL		Retained as part of 4-year periodic review
DF	0269	Dried grapes (=currants, raisins and sultanas)	2		CXL		
DF	0269	Dried grapes (=currants, raisins and sultanas)	0.1		5	00	
VO	0440	Egg plant	0.2		CXL-D	00	
PE	0112	Eggs	0.05	(*)	CXL		
PE	0112	Eggs	0.01	(*)	5	00	
FB	0269	Grapes	1		CXL		
FB	0269	Grapes	0.5		5	00	
VL	0480	Kale	1		CXL-D	00	
FI	0341	Kiwifruit	2		CXL-D	00	
VL	0482	Lettuce, Head	0.1		CXL-D	00	
GC	0645	Maize	0.05		5	00	
AS	0645	Maize fodder	10		5	00	
AF	0645	Maize forage	20		5	00	
OR	0645	Maize oil, Edible	0.2		5	00	
ML	0107	Milk of cattle, goats & sheep	0.02		5	00	
ML	0106	Milks	0.01	(*)	CXL	00	The MRL accommodates external animal treatment. CXL retained until finalization of MRL for Milk of cattle, goats & sheep
VO	0450	Mushrooms	0.05	(*)	CXL-D	00	
VA	0385	Onion, Bulb	0.05	(*)	CXL		
VA	0385	Onion, Bulb	0.2		5	00	
AL	0528	Pea vines (green)	1		5	00	
FS	0247	Peach	0.5		5	00	
FP	0230	Pear	0.5		CXL	00	To be replaced by the MRL for pome fruits (2000 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.01		5	00	
TN	0672	Pecan	0.05	(*)	5	00	
VO	0051	Peppers	0.5		CXL	00	CXL retained until finalization of MRL for Peppers, sweet

VO	0445	Peppers, Sweet	2		5	00	
MM	0818	Pig meat	0.02	(fat)	5	00	
MO	0818	Pig, Edible offal of	0.01	(*)	5	00	
FS	0014	Plums (including prunes)	0.5		5	00	
FP	0009	Pome fruits	1		5	00	
VR	0589	Potato	0.05	(*)	CXL-D	00	
PM	0110	Poultry meat	0.01	(fat)	5	00	
PO	0111	Poultry, Edible offal of	0.01	(*)	5	00	
FB	0272	Raspberries, Red, Black	0.2		CXL-D	00	
GC	0649	Rice	0.1		CXL	00	Withdrawal recommended (2000 JMPR)
MM	0822	Sheep meat	0.2	(fat)	CXL		The MRL accommodates external animal treatment.
MM	0822	Sheep meat	1	(fat)	5	00	
MO	0822	Sheep, Edible offal of	0.01		5	00	
GC	0651	Sorghum	0.5		5	00	
AS	0651	Sorghum straw and fodder, Dry	2		5	00	
FB	0275	Strawberry	0.3		5	00	
VR	0596	Sugar beet	0.05	(*)	CXL		
VR	0596	Sugar beet	0.05		5	00	
AV	0596	Sugar beet leaves or tops	40		5	00	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	5	00	
VO	0448	Tomato	0.5		CXL		
PM	0848	Turkey meat	0.2	(fat)	CXL	00	The MRL accommodates external animal treatment. To be replaced by the MRL for poultry meat (2000 JMPR)
TN	0678	Walnuts	0.05	(*)	5	00	
GC	0654	Wheat	0.5		5	00	
CF	1211	Wheat flour	0.1		5	00	
AS	0654	Wheat straw and fodder, Dry	5		5	00	

20 2,4-D

Main Uses 7 HERBICIDE

JMPR 70, 71, 74, 75, 80R, 85R, 86R, 96T', 98R', 01R

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

RESIDUE 2,4-D.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FB	0018	Berries and other small fruits	0.1		8	98	32	
FB	0264	Blackberries	0.1		CXL-D	98		
FC	0001	Citrus fruits	2		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure as several delegations preferred this to the MRLs for individual citrus fruits recommended by the 1998 JMPR and additional trial data would be available to JMPR (32.89)
FC	0001	Citrus fruits	1	Po	3(a)	01		
MO	0105	Edible offal (mammalian)	5		8	98	32	
PE	0112	Eggs	0.01	(*)	CXL		(2001)	
FC	0203	Grapefruit	0.1		6(a)	98, 01	32	Withdrawal recommended (2001 JMPR)
AS	0162	Hay or fodder (dry) of grasses	400		8	98	32	
GC	0645	Maize	0.05		CXL		(2001)	
AS	0645	Maize fodder	40		CXL		(2001)	
AF	0645	Maize forage	10		CXL		(2001)	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL-D			
MM	0095	Meat (from mammals other than marine mammals)	0.2		8	98	32	
ML	0106	Milks	0.05	(*)	CXL-D			
ML	0106	Milks	0.01		8	98	32	
FC	0004	Oranges, Sweet, Sour	0.1		6(a)	98, 01	32	Withdrawal recommended (2001 JMPR)
FP	0009	Pome fruits	0.01	(*)	8	98	32	
VR	0589	Potato	0.2		CXL			Confirmed (1998 JMPR)
PM	0110	Poultry meat	0.05	(*)	8	98	32	

PO	0111	Poultry, Edible offal of	0.05	(*)	8	98	32
FB	0272	Raspberries, Red, Black	0.1		CXL-D		
AS	0649	Rice straw and fodder, Dry	10		CXL		(2001)
CM	0649	Rice, Husked	0.1		CXL		(2001)
GC	0650	Rye	2		CXL		(2001)
GC	0651	Sorghum	0.05	(*)	CXL-D		
GC	0651	Sorghum	0.01	(*)	8	98	32
AF	0651	Sorghum forage (green)	0.2		CXL		(2001)
VD	0541	Soya bean (dry)	0.01	(*)	8	98	32
AL	0541	Soya bean fodder	0.01	(*)	8	98	32
AL	1265	Soya bean forage (green)	0.01	(*)	8	98	32
FS	0012	Stone fruits	0.05	(*)	CXL		(2001)
GS	0659	Sugar cane	0.05		CXL		(2001)
AV	0659	Sugar cane forage	0.2		CXL		(2001)
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL		(2001)
TN	0085	Tree nuts	0.2		CXL		(2001)
FB	0019	Vaccinium berries, including bearberry	0.1		CXL-D		
GC	0654	Wheat	2		CXL		(2001)
AS	0654	Wheat straw and fodder, Dry	100		CXL		(2001)

22 DIAZINON

Main Uses 8 INSECTICIDE
JMPR 65T, 66T, 67R, 68, 70, 75R, 79R, 93', 94R, 96R, 99R, 01T
ADI 0.002 mg/kg body weight (1970; confirmed 1993)
AcuteRfD 0.03 mg/kg body weight (2001)
RESIDUE Diazinon (fat-soluble).
Note The information provided to the 1999 JMPR precludes an estimate that the dietary intake would be below the ADI. DIE: 20-180% of the ADI.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AM 0660	Almond hulls	5		CXL		(1995)	
TN 0660	Almonds	0.05		CXL		(1995)	
FB 0264	Blackberries	0.1		CXL		(1997)	
FB 4079	Boysenberry	0.1		CXL		(1997)	
VB 0400	Broccoli	0.5		CXL		(1997)	
VB 0041	Cabbages, Head	2		CXL		(1997)	
VB 0041	Cabbages, Head	0.5		6(a)	99	33	
VC 4199	Cantaloupe	0.2		CXL		(1997)	
VR 0577	Carrot	0.5		CXL		(1997)	
FS 0013	Cherries	1		CXL		(1997)	
PE 0840	Chicken eggs	0.02	(*)	CXL		(1999)	
PM 0840	Chicken meat	0.02	(*)	CXL		(1999)	
PO 0840	Chicken, Edible offal of	0.02	(*)	CXL		(1999)	
VL 0467	Chinese cabbage (type pe-tsai)	0.05		CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	0.2		CXL		(1997)	
VC 0424	Cucumber	0.1		CXL		(1997)	
FB 0021	Currants, Black, Red, White	0.2		CXL		(1997)	
VP 0529	Garden pea, Shelled	0.2		CXL		(1997)	
MM 0814	Goat meat	2	(fat)	6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
DH 1100	Hops, Dry	0.5		CXL		(1997)	

VL	0480	Kale	0.05		CXL		(1995)	
MO	0098	Kidney of cattle, goats, pigs & sheep	0.03		6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
FI	0341	Kiwifruit	0.2		CXL		(1997)	
VB	0405	Kohlrabi	0.2		CXL		(1997)	
VL	0482	Lettuce, Head	0.5		CXL		(1997)	
VL	0483	Lettuce, Leaf	0.5		CXL		(1997)	
MO	0099	Liver of cattle, goats, pigs & sheep	0.03		6	96, 99	30, 33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
GC	0645	Maize	0.02	(*)	CXL		(1995)	
AF	0645	Maize forage	10		CXL		(1995)	
MM	0097	Meat of cattle, pigs & sheep	0.7	(fat)	CXL	93		The MRL accommodates external animal treatment.
MM	0097	Meat of cattle, pigs & sheep	2	(fat)	6(a)	96, 99	30, 33	The MRL accommodates external treatment on animals, Confirmed (1999 JMPR)
ML	0106	Milks	0.02	F	CXL			The MRL accommodates external animal treatment. Confirmed (1996, 1999 JMPR)
VA	0385	Onion, Bulb	0.05		CXL		(1995)	
FS	0247	Peach	0.2		CXL		(1997)	
VO	0445	Peppers, Sweet	0.05		CXL		(1995)	
FI	0353	Pineapple	0.1		CXL		(1997)	
FS	0014	Plums (including prunes)	1		CXL		(1997)	
FP	0009	Pome fruits	2		CXL		(1997)	
FP	0009	Pome fruits	0.3		6(a)	99	33	
VR	0589	Potato	0.01	(*)	CXL		(1995)	
DF	0014	Prunes	2		CXL		(1997)	
VR	0494	Radish	0.1		CXL		(1997)	
FB	0272	Raspberries, Red, Black	0.2		CXL		(1997)	
VL	0502	Spinach	0.5		CXL		(1997)	
VA	0389	Spring onion	1		CXL		(1997)	
VC	0431	Squash, Summer	0.05		CXL		(1997)	
FB	0275	Strawberry	0.1		CXL		(1997)	
VR	0596	Sugar beet	0.1		CXL		(1995)	
AV	0596	Sugar beet leaves or tops	5		CXL		(1995)	

VO	0447	Sweet corn (corn-on-the-cob)	0.02		CXL	(1995)
VO	0448	Tomato	0.5		CXL	(1997)
TN	0678	Walnuts	0.01	(*)	CXL	(1995)

25 DICHLORVOS

Main Uses 8 INSECTICIDE
JMPR 65, 66, 67, 69R, 70, 74R, 77T, 93'
ADI 0.004 mg/kg body weight (confirmed 1977, 1993)
RESIDUE Dichlorvos.
Residues decline rapidly during storage and shipment. Codex MRLs are based on residues likely to be found at harvest or slaughter.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0080	Cereal grains	5	(Po)	CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1995)	
ML 0106	Milks	0.02	(*)	CXL		(1995)	
VO 0450	Mushrooms	0.5		CXL			
PM 0110	Poultry meat	0.05		CXL			
CM 0654	Wheat bran, Unprocessed	10		CXL		(1997)	
CF 1211	Wheat flour	1		CXL		(1997)	
CF 1210	Wheat germ	10		CXL		(1997)	
CF 1212	Wheat wholemeal	2		CXL		(1997)	

26 DICOFOL

Main Uses 1 ACARICIDE/MITICIDE
JMPR 68, 70R, 74R, 92', 94R
ADI 0.002 mg/kg body weight (1992)
RESIDUE Plant commodities: Dicofol (sum of o,p' & p,p' isomers) (fat-soluble).
Animal commodities: Sum of dicofol and 2,2-dichloro-1,1-bis(4-chlorophenyl)ethanol (p,p'-FW152) calculated as dicofol (fat-soluble).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VD	0071	Beans (dry)	0.1		CXL		(1995)	
MM	0812	Cattle meat	3	(fat)	CXL		(1997)	
MO	0812	Cattle, Edible offal of	1		CXL		(1997)	
FS	0013	Cherries	5		CXL		(1997)	
FC	0001	Citrus fruits	5		CXL		(1997)	
VP	0526	Common bean (pods and/or immature seeds)	2		CXL		(1997)	
SO	0691	Cotton seed	0.1		CXL		(1995)	
OC	0691	Cotton seed oil, Crude	0.5		CXL		(1997)	
OR	0691	Cotton seed oil, Edible	0.5		CXL		(1997)	
VC	0424	Cucumber	0.5		CXL		(1995)	
PE	0112	Eggs	0.05		CXL		(1995)	
FB	0269	Grapes	5		CXL		(1997)	
DH	1100	Hops, Dry	50		CXL		(1995)	
VC	0046	Melons, except watermelon	0.2		CXL		(1995)	
ML	0106	Milks	0.1	F	CXL		(1999)	
FS	0247	Peach	5		CXL		(1997)	
TN	0672	Pecan	0.01	(*)	CXL		(1995)	
VO	0051	Peppers	1		CXL		(1995)	
FS	0014	Plums (including prunes)	1		CXL		(1997)	
PM	0110	Poultry meat	0.1	(fat)	CXL		(1997)	
PO	0111	Poultry, Edible offal of	0.05	(*)	CXL		(1995)	
DF	0014	Prunes	3		CXL		(1997)	
VC	0431	Squash, Summer	1		CXL		(1995)	

DT	1114 Tea, Green, Black	50		CXL	(1997)
VO	0448 Tomato	1		CXL	
TN	0678 Walnuts	0.01	(*)	CXL	(1995)

27 DIMETHOATE

Main Uses 8 INSECTICIDE

JMPR 65T,66T,67,70R,73R,77R,78R,83R,84,86,87,88R,90R,94R,96T',98R'

ADI 0.002 mg/kg body weight for sum of dimethoate and omethoate expressed as dimethoate (1996)

RESIDUE Dimethoate.
See also (55) omethoate.

Note The information provided to the 1998 JMPR precludes an estimate that the dietary intake would be below the ADI. IEDI: 20-200% of the ADI.
The CCPR-32 indicated that the chronic and acute exposure should be addressed before advancing draft MRLs (32.90). The CCPR-32 decided to maintain the residue definition for dimethoate and to discuss it again at the 33rd Session (32.91)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	1		CXL		(1991)	To be replaced by the MRL for pome fruits (1998 JMPR)
VS 0621	Asparagus	0.05	(*)	8	98	32	
GC 0640	Barley	2		6	98	32	
VR 0574	Beetroot	0.2		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VB 0402	Brussels sprouts	2		CXL		(1997)	
VB 0402	Brussels sprouts	1		6(a)	98	32	
VB 0403	Cabbage, Savoy	0.05	(*)	8	98	32	
VB 0041	Cabbages, Head	2		CXL		(1997)	Except for cabbage, Savoy Confirmed (1998 JMPR).
MO 0812	Cattle, Edible offal of	0.05	(*)	8	98	32	
VB 0404	Cauliflower	0.5		6	98	32	
VS 0624	Celery	1		CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FS 0013	Cherries	2		CXL			Confirmed (1998 JMPR).
FC 0001	Citrus fruits	2		CXL	98	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure. Data will be developed to support this MRL (32.90)
PE 0112	Eggs	0.05	(*)	8	98	32	
FB 0269	Grapes	1		CXL		(1991)	
FB 0269	Grapes	2		6(a)	98	32	
VL 0482	Lettuce, Head	2		CXL		(1997)	
VL 0482	Lettuce, Head	0.5		6(a)	98	32	

MF	0100	Mammalian fats (except milk fats)	0.05	(*)		8	98	32	
MM	0096	Meat of cattle, goats, horses, pigs & sheep	0.05	(*)		8	98	32	
ML	0107	Milk of cattle, goats & sheep	0.05	(*)		8	98	32	
OR	0305	Olive oil, Refined	0.05	(*)		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FT	0305	Olives	1			CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
DM	0305	Olives, Processed	0.05	(*)		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VA	0385	Onion, Bulb	0.2			CXL-D			
VA	0385	Onion, Bulb	0.05	(*)		8	98	32	
FP	0230	Pear	1			CXL		(1991)	To be replaced by the MRL for pome fruits (1998 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.5			CXL			
VP	0063	Peas (pods and succulent=immature seeds)	1			6(a)	98	32	
VO	0051	Peppers	1		Po	CXL	98		Retained for further review
FS	0014	Plums (including prunes)	0.5			CXL		(1997)	
FS	0014	Plums (including prunes)	1			6(a)	98	32	
FP	0009	Pome fruits	0.5			6(a)	98	32	
VR	0589	Potato	0.05			CXL			Confirmed (1998 JMPR).
PF	0111	Poultry fats	0.05	(*)		8	98	32	
PM	0110	Poultry meat	0.05	(*)		8	98	32	
PO	0111	Poultry, Edible offal of	0.05	(*)		8	98	32	
MO	0822	Sheep, Edible offal of	0.05	(*)		8	98	32	
GC	0651	Sorghum	0.01	(*)		8	98	32	
VR	0596	Sugar beet	0.05			CXL			Confirmed (1998 JMPR).
AV	0596	Sugar beet leaves or tops	1			CXL			
AV	0596	Sugar beet leaves or tops	0.1			6(a)	98	32	
VO	0448	Tomato	1		Po	CXL			
VO	0448	Tomato	2			6(a)	98	32	
VL	0506	Turnip greens	1			6	98	32	

VR	0506 Turnip, Garden	0.5	CXL		
VR	0506 Turnip, Garden	0.1	6(a)	98	32
GC	0654 Wheat	0.2	6	98	32
AS	0654 Wheat straw and fodder, Dry	10	6	98	32

30 DIPHENYLAMINE

Main Uses 21 STORAGE SCALD PREVENTOR
JMPR 69, 76, 79R, 82T, 84, 98T', 01R'
ADI 0.08 mg/kg body weight (1998)
RESIDUE Diphenylamine.
Note Previous ADI 0.02 mg/kg bw (1984).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP	0226 Apple	5		Po	CXL			
FP	0226 Apple	10		Po	3(a)	01		
JF	0226 Apple juice	0.5		PoP	3	01		
MO	1280 Cattle kidney	0.01	(*)		3	01		
MO	1281 Cattle liver	0.05			3	01		
MM	0812 Cattle meat	0.01	(*)	(fat)	3	01		
ML	0812 Cattle milk	0.0004	(*)	F	3	01		Equivalent to 0.01 mg/kg (*) in the milkfat.
FP	0230 Pear	5		Po	3	01		

31 DIQUAT

Main Uses 7 HERBICIDE

JMPR 70, 72, 76R, 77, 78R, 93T, 94R' (01R)

ADI 0.002 mg diquat cation/kg body weight (1993)

RESIDUE Diquat cation.
Generally available as dibromide.

Note New residue trials are being carried out on asparagus, broad bean, runner bean, cabbages, cotton seed, cucumber, olives, strawberry, tomato and wheat. Diquat was also used on maize, rice, alfalfa and clover, but only for seed production. (30.42)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	100		CXL		(1999)	
GC 0640	Barley	5		CXL			Confirmed (1994 JMPR)
VD 0071	Beans (dry)	0.2		CXL		(1999)	
AL 1023	Clover	50		CXL		(1999)	
MO 0105	Edible offal (mammalian)	0.05	(*)	CXL			Confirmed (1994 JMPR)
PE 0112	Eggs	0.05	(*)	CXL			Confirmed (1994 JMPR)
VD 0533	Lentil (dry)	0.2		CXL		(1999)	
GC 0645	Maize	0.05	(*)	CXL		(1999)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL			Confirmed (1994 JMPR)
ML 0106	Milks	0.01	(*)	CXL			Confirmed (1994 JMPR)
GC 0647	Oats	2		CXL		(1999)	
VD 0072	Peas (dry)	0.2		CXL		(1999)	
VR 0589	Potato	0.05		CXL		(1999)	
PM 0110	Poultry meat	0.05	(*)	CXL		(1999)	
PO 0111	Poultry, Edible offal of	0.05	(*)	CXL		(1999)	
SO 0495	Rape seed	2		CXL			Confirmed (1994 JMPR)
GC 0649	Rice	10		CXL		(1999)	
CM 0649	Rice, Husked	1		CXL		(1999)	
CM 1205	Rice, Polished	0.2		CXL			Confirmed (1994 JMPR)
GC 0651	Sorghum	2		CXL			Confirmed (1994 JMPR)
VD 0541	Soya bean (dry)	0.2		CXL		(1999)	

SO	0702	Sunflower seed	1		CXL		(1999)	
OC	0172	Vegetable oils, Crude	0.05	(*)	CXL		(1999)	
AO1	0002	Vegetables (except as otherwise listed)	0.05	(*)	CXL	94	23, 25	The Committee decided that no further action was required on this MRL. Withdrawal recommended (1994 JMPR)
GC	0654	Wheat	2		CXL			Confirmed (1994 JMPR)
CM	0654	Wheat bran, Unprocessed	5		CXL			Confirmed (1994 JMPR)
CF	1211	Wheat flour	0.5		CXL		(1999)	
CF	1212	Wheat wholemeal	2		CXL			Confirmed (1994 JMPR)

32 ENDOSULFAN

Main Uses 8 INSECTICIDE

JMPR 65T, 67, 68, 71R, 74R, 75R, 82T, 85, 89, 93R, 98T' (03R')

ADI 0.006 mg/kg body weight (1989, confirmed 1998)

AcuteRfD 0.02 mg/kg body weight (1998)

RESIDUE Sum of alpha- and beta-endosulfan and endosulfan sulphate (fat-soluble).

Note TMDI: 20-120% of the ADI
New field trials on broccoli were available in the USA (31.48). The following commodities would be supported: cacao bean, citrus fruits, coffee bean, cotton seed, wine and table grapes, hazelnut, melon (except watermelon), peach, pineapple, pome fruit, potato, soya bean, sugar beet, tea and tomato (31.49).
The CCPR-32 noted that, in addition to the above commodities, new residue trials data would be submitted for: broad bean (green pods and immature seeds), broccoli, cabbages, head, cabbage, Savoy, carrot, cauliflower, celery, cherries, cucumber, kale, meat (mammalian), milks, peppers, sweet, rice, squash, summer, and water melon. It maintained all CXLs awaiting the residue evaluation by the 2003 JMPR (32.93).

Commodity Code		Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021	Alfalfa forage (green)	1	CXL		(1991)	
VP	0522	Broad bean (green pods and immature seeds)	0.5	3	93	32	
VB	0400	Broccoli	0.5	6	89, 93	24, 25, 31, 32	
VB	0403	Cabbage, Savoy	2	6	89, 93	24, 25, 32	
VB	0041	Cabbages, Head	1	6	89, 93	24, 25, 32	Except cabbage, Savoy
SB	0715	Cacao beans	0.1	3	93	32	
VR	0577	Carrot	0.2	CXL			
VB	0404	Cauliflower	0.5	6	89, 93	24, 25, 32	
VS	0624	Celery	2	CXL		(1991)	
FS	0013	Cherries	1	CXL		(1991)	
AL	1023	Clover	1	CXL		(1991)	
SB	0716	Coffee beans	0.1	3	93	32	
VP	0526	Common bean (pods and/or immature seeds)	0.5	CXL		(1993)	
SO	0691	Cotton seed	1	CXL			
OC	0691	Cotton seed oil, Crude	0.5	CXL			
VC	0424	Cucumber	0.5	3	93	32	

AO2	0002	Fruits (except as otherwise listed)	2		CXL	93	24, 32	Withdrawal recommended (1993 JMPR)
VP	0528	Garden pea (young pods)	0.5		CXL		(1991)	
FB	0269	Grapes	1		3	93		
VL	0480	Kale	1		CXL		(1991)	
VL	0482	Lettuce, Head	1		CXL		(1991)	
VL	0483	Lettuce, Leaf	1		CXL		(1991)	
GC	0645	Maize	0.1		3	93		
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL		(1993)	
VC	0046	Melons, except watermelon	0.5		3	93		
ML	0106	Milks	0.004	F	CXL		(1993)	
VA	0385	Onion, Bulb	0.2		CXL			
FC	0004	Oranges, Sweet, Sour	0.5		3	93		
FS	0247	Peach	1		3	93		
FI	0353	Pineapple	2	Po	3	93		
FS	0014	Plums (including prunes)	1		CXL		(1991)	
FP	0009	Pome fruits	1		CXL		(1991)	
VR	0589	Potato	0.2		CXL			
SO	0495	Rape seed	0.5		3	93		
GC	0649	Rice	0.1		CXL			
VD	0541	Soya bean (dry)	1		3	93		
VL	0502	Spinach	2		CXL		(1991)	
VC	0431	Squash, Summer	0.5		3	93		
VR	0596	Sugar beet	0.1		CXL		(1991)	
AV	0596	Sugar beet leaves or tops	1		CXL		(1991)	
SO	0702	Sunflower seed	1		3	93		
VR	0508	Sweet potato	0.2		CXL			
DT	1114	Tea, Green, Black	30		CXL			
VO	0448	Tomato	0.5		3	93		
AL	1028	Trefoil	1		CXL		(1991)	
AO1	0002	Vegetables (except as otherwise listed)	2		CXL	93	24	Withdrawal recommended (1993 JMPR)

GC	0654 Wheat	0.2	3	93

34 ETHION

Main Uses 8 INSECTICIDE
JMPR 68, 69R, 70R, 72, 75R, 82T, 83R, 85T, 86T, 89T, 90T, 94R'
ADI 0.002 mg/kg body weight (1990)
RESIDUE Ethion (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FC 0001	Citrus fruits	5	CXL		(1997)	

35 ETHOXYQUIN

Main Uses 22 SCALD CONTROL AGENT
JMPR 69, 98T', 99R'
ADI 0.005 mg/kg body weight (1998)
RESIDUE Ethoxyquin.
Note Previous ADI 0.06 mg/kg bw (1969)
The CCPR was informed that the required toxicology data would be available by 2004 (33.91). The delegations of France and Spain informed the CCPR that they have uses on apples and pears as post harvest treatment (33.92).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0230	Pear	3	Po	CXL	99	26, 27, 28, 29, 31, 33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting toxicity studies.

37 FENITROTHION

Main Uses 8 INSECTICIDE
JMPR 69, 74, 76R, 77, 79R, 82T, 83R, 84, 86, 88T, 89R, 00T' (01R')
ADI 0.005 mg/kg body weight (1988; confirmed 2000)
AcuteRfD 0.04 mg/kg body weight (2000)
RESIDUE Fenitrothion (fat-soluble).
Note Information on which CXLs will be supported would be made available in 2001. The CCPR-34 woul consider deletion of the MRLs for commodities no longer supported (33.95).

Commodity Code	Name	MRL (mg/kg)				Step	JMPR	CCPR	Note
FP 0226	Apple	0.5				CXL-D			
VB 0041	Cabbages, Head	0.5				CXL-D			
SB 0715	Cacao beans	0.1				CXL-D			
VB 0404	Cauliflower	0.1				CXL-D			
GC 0080	Cereal grains	10		Po		CXL			Retained
FS 0013	Cherries	0.5				CXL-D			
FC 0001	Citrus fruits	2				CXL-D			
VC 0424	Cucumber	0.05	(*)			CXL-D			
VO 0440	Egg plant	0.1				CXL-D			
FB 0269	Grapes	0.5				CXL-D			
VA 0384	Leek	0.2				CXL-D			
VL 0482	Lettuce, Head	0.5				CXL-D			
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	(fat)	E	CXL			Retained
ML 0106	Milks	0.002	(*)		E	CXL			Retained
VA 0385	Onion, Bulb	0.05	(*)			CXL-D			
FS 0247	Peach	1				CXL-D			
FP 0230	Pear	0.5				CXL-D			
VP 0063	Peas (pods and succulent=immature seeds)	0.5				CXL-D			
VO 0051	Peppers	0.1				CXL-D			
VR 0589	Potato	0.05	(*)			CXL-D			
VR 0494	Radish	0.2				CXL-D			

CM	1206 Rice bran, Unprocessed	20	PoP	CXL		Retained
CM	1205 Rice, Polished	1	PoP	CXL		Retained
VD	0541 Soya bean (dry)	0.1		CXL-D		
FB	0275 Strawberry	0.5		CXL-D		
DT	1114 Tea, Green, Black	0.5		CXL-D		
VO	0448 Tomato	0.5		CXL-D		
CF	0654 Wheat bran, Processed	2	PoP	CXL		Retained
CM	0654 Wheat bran, Unprocessed	20	PoP	CXL		Retained
CF	1211 Wheat flour	2	PoP	CXL	(1991)	Retained
CF	1212 Wheat wholemeal	5	PoP	CXL		Retained
CP	1211 White bread	0.2	PoP	CXL		Retained

39 FENTHION

Main Uses 8 INSECTICIDE
JMPR 71, 75, 77R, 78, 79T, 80T, 83R, 89R, 95', 97T, 00R
ADI 0.007 mg/kg body weight (1995)
AcuteRfD 0.01 mg/kg body weight (1997)
RESIDUE Sum of fenthion, its oxygen analogue and their sulphoxides and sulphones, expressed as fenthion (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FS 0013	Cherries	2		CXL			Confirmed (1995 JMPR)
FC 0001	Citrus fruits	2		CXL	95		To be replaced by individual MRLs (1995 JMPR)
FC 0003	Mandarins	0.5		7B(a)	95	29, 30, 31	Retained at current Step.
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)	CXL-D	95, 00	29, 32	The MRL accommodates external animal treatment. (fat)
ML 0106	Milks	0.05	F	CXL-D	95, 00	29, 32	The MRL accommodates external animal treatment. (F)
OC 0305	Olive oil, Virgin	1		CXL			
OC 0305	Olive oil, Virgin	3		7B(a)	95	29, 30, 31	Retained at current Step.
FT 0305	Olives	1		CXL			Confirmed (1995 JMPR)
FC 0004	Oranges, Sweet, Sour	0.5		7B(a)	95	29, 30, 31	Retained at current Step.
CM 0649	Rice, Husked	0.05		CXL		(1997)	

40 FENTIN

Main Uses 5 FUNGICIDE

JMPR 65T, 70, 72R, 86R, 91, 93R, 94R

ADI 0.0005 mg/kg body weight for sum of fentin acetate, fentin chloride and fentin hydroxide (1970; confirmed 1991)

RESIDUE Fentin, excluding inorganic tin and di- and mono-phenyltin.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
DH 1100	Hops, Dry	0.5		CXL		(1995)	
VR 0589	Potato	0.1		CXL			
GC 0649	Rice	0.1	(*)	CXL			
VR 0596	Sugar beet	0.2		CXL			

41 FOLPET

Main Uses 5 FUNGICIDE
JMPR 69, 73T, 74R, 82T, 84, 86T, 87R, 90, 93, 94R, 95T, 97R, 98R', 99R
ADI 0.1 mg/kg body weight (1995)
RESIDUE Folpet.

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP	0226	Apple	10			6	97, 98	33	Retain at current status
VC	0424	Cucumber	2		T	CXL			Retain at current status
VC	0424	Cucumber	1			6(a)	94, 97, 98, 99	28, 33	Retain at current status
DF	0269	Dried grapes (=currants, raisins and sultanas)	40			6	97, 98	33	Retain at current status
FB	0269	Grapes	2			CXL		(1997)	Retain at current status
FB	0269	Grapes	10			6(a)	97, 98	33	Retain at current status
VL	0482	Lettuce, Head	50			6	99	33	Retain at current status
VC	0046	Melons, except watermelon	3			6	97, 98	33	Retain at current status
VA	0385	Onion, Bulb	1			6	99	33	Retain at current status
VR	0589	Potato	0.02	(*)		CXL		(1997)	Retain at current status
VR	0589	Potato	0.1			6(a)	99	33	Retain at current status
FB	0275	Strawberry	20		T	CXL			Retain at current status
FB	0275	Strawberry	5			6(a)	93, 97, 98	27, 28, 33	Retain at current status
VO	0448	Tomato	3			6	97, 98	33	Retain at current status

42 FORMOTHION

Main Uses 8 INSECTICIDE
JMPR 69, 72R, 73, 78R, 96T', 98R'
ADI
RESIDUE Formothion is metabolized by plants to dimethoate and omethoate.
See also (27) dimethoate and (55) omethoate.
Note No longer supported by the manufacturer (26.109). A CXL was revoked by the 21st CAC.
Previous ADI of 0.02 mg/kg bw (1973) withdrawn by the 1996 JMPR.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0000	No MRL					

46 HYDROGEN PHOSPHIDE

Main Uses 4 FUMIGANT
JMPR 65, 66, 67R, 69R, 71R
ADI Not necessary.
RESIDUE All phosphides, expressed as hydrogen phosphide.
Good usage practices should ensure that residues are not present at time of consumption.

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

47 BROMIDE ION

Main Uses

JMPR 68R, 69, 71R, 79R, 81R, 83R, 88, 89R, 92R

ADI 1 mg/kg body weight (confirmed 1988)

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

Note The 28th CCPR noted that the USA and Israel had registered uses of methylbromide. It decided that the compound should not be referred to the Working Group on Priorities (28.43).

Commodity Code		Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0326	Avocado	75	CXL			
VP	0522	Broad bean (green pods and immature seeds)	500	CXL		(1997)	
VB	0400	Broccoli	30	CXL		(1997)	
VB	0041	Cabbages, Head	100	CXL		(1991)	
VS	0624	Celery	300	CXL		(1991)	
GC	0080	Cereal grains	50	CXL			
FC	0001	Citrus fruits	30	CXL			
VC	0424	Cucumber	100	CXL		(1997)	
DF	0295	Dates, Dried or dried & candied	100	CXL			
DF	0167	Dried fruits	30	CXL			Except as otherwise listed.
DF	0269	Dried grapes (=currants, raisins and sultanas)	100	CXL			
DH	0170	Dried herbs	400	CXL			
DF	0297	Figs, Dried or dried and candied	250	CXL			
AO2	0002	Fruits (except as otherwise listed)	20	CXL		24	
VP	0528	Garden pea (young pods)	500	CXL		(1997)	
VL	0482	Lettuce, Head	100	CXL		(1991)	
VO	0442	Okra	200	CXL		(1997)	
DF	0247	Peach, Dried	50	CXL			
VO	0445	Peppers, Sweet	20	CXL		(1997)	
DF	0014	Prunes	20	CXL			

VR	0494 Radish	200	CXL	(1997)
HS	0093 Spices	400	CXL	
VC	0431 Squash, Summer	200	CXL	(1997)
FB	0275 Strawberry	30	CXL	
VO	0448 Tomato	75	CXL	(1991)
VL	0506 Turnip greens	1000	CXL	(1997)
VR	0506 Turnip, Garden	200	CXL	(1997)
CF	1212 Wheat wholemeal	50	CXL	

48 LINDANE

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67R, 68R, 69R, 70, 73, 74R, 75R, 77, 78R, 79R, 89, 97T, 02T' (03R')

ADI 0.005 mg/kg body weight (2002)

AcuteRfD 0.06 mg/kg body weight (2002)

RESIDUE Gamma-HCH (fat-soluble).

Note Previous TADI 0.001 mg/kg bw (1997-2001).
The CCPR-32 noted that data would be sent on seed and soil treatment used for a number of cereal and vegetable commodities for residue evaluation by the 2003 JMPR. Detailed information was requested on the specific commodities to be supported will in advance of the 33rd Session (32.96)
The MRLs for carrot, eggs, poultry meat, rapeseed, sugar beet and sugar beet leaves and tops would be supported (33.100).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
VR 0577	Carrot	0.2		E	CXL		31	
PE 0112	Eggs	0.1		E	CXL		31	
PM 0110	Poultry meat	0.7	(fat)	E	CXL		31	
SO 0495	Rape seed	0.05	(*)		CXL		31	
VR 0596	Sugar beet	0.1			CXL		31	
AV 0596	Sugar beet leaves or tops	0.1			CXL		31	

49 MALATHION

Main Uses 8 INSECTICIDE
JMPR 65T, 66, 68R, 69R, 70R, 73R, 75R, 77R, 84R, 97T', 99R', 00R (04R)
ADI 0.3 mg/kg body weight (1997)
RESIDUE Malathion.
Note Acute RfD may be necessary but not yet established (2000 JMPR).
The MRLs for the following commodities would be supported: apple; broccol;, cabbages, head; cereal grains; citrus fruits; grapes; peach; raspberries, red, black; root and tuber vegetables; strawberries (33.101).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	200			6	99	33	
AL 1021	Alfalfa forage (green)	500		dry wt	6	99	33	
FP 0226	Apple	2			CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VS 0621	Asparagus	1			6	99	33	
VD 0071	Beans (dry)	8	Po		CXL-D			
VD 0071	Beans (dry)	2			8	99	33	
VP 0061	Beans, except broad bean and soya bean	1			6	99	33	
FB 0020	Blueberries	0.5			CXL			
FB 0020	Blueberries	10			6(a)	99	33	
VB 0400	Broccoli	5			CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VB 0041	Cabbages, Head	8			CXL	99		Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
GC 0080	Cereal grains	8	Po		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
FC 0001	Citrus fruits	4			CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AL 1023	Clover	500		dry wt	6	99	33	

AL	1031	Clover hay or fodder	150		6	99	33	
SO	0691	Cotton seed	20		6	99	33	
OC	0691	Cotton seed oil, Crude	13		6	99	33	
OR	0691	Cotton seed oil, Edible	13		6	99	33	
VC	0424	Cucumber	0.2		6	99	33	
FB	0269	Grapes	8		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AF	0162	Grass forage	200		6	99	33	
AS	0162	Hay or fodder (dry) of grasses	300		6	99	33	
GC	0645	Maize	0.05		6(a)	99	33	
AS	0645	Maize fodder	50		6	99	33	
AF	0645	Maize forage	10	dry wt	6	99	33	
VL	0485	Mustard greens	2		6	99	33	
VA	0385	Onion, Bulb	1		6	99	33	
FS	0247	Peach	6		CXL			CXL reinstated
FP	0230	Pear	0.5		CXL-D	99		
VO	0051	Peppers	0.5		CXL-D			
VO	0051	Peppers	0.1		8	99	33	
FB	0272	Raspberries, Red, Black	8		CXL			CXL reinstated
VR	0075	Root and tuber vegetables	0.5		CXL			CXL reinstated
GC	0651	Sorghum	3		6(a)	99	33	
VL	0502	Spinach	8		CXL-D			
VL	0502	Spinach	3		8	99	33	
VA	0389	Spring onion	5		6	99	33	
FB	0275	Strawberry	1		CXL			Confirmed (1999 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.02		6	99	33	
VO	0448	Tomato	3		CXL-D			
VO	0448	Tomato	0.5		8	99	33	
JF	0448	Tomato juice	0.01		6	99	33	
VL	0506	Turnip greens	5		6	99	33	
VR	0506	Turnip, Garden	3		CXL-D			

VR	0506 Turnip, Garden	0.2			8	99	33	
GC	0654 Wheat	0.5			6(a)	99	33	
CM	0654 Wheat bran, Unprocessed	20	PoP		CXL	00		Withdrawal recommended (2000 JMPR)
CF	1211 Wheat flour	2	PoP		CXL			
CF	1211 Wheat flour	0.2			5	00		
AF	0654 Wheat forage (whole plant)	20		dry wt	6	99	33	
AS	0654 Wheat straw and fodder, Dry	50			6	99	33	
CF	1212 Wheat wholemeal	2	PoP		CXL	00		Withdrawal recommended (2000 JMPR)

50 MANCOZEB

Main Uses 5 FUNGICIDE
JMPR 67, 70, 74R, 77R, 80, 93, 95R
ADI
RESIDUE See (105) dithiocarbamates.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001	See related compound(s)					

51 METHIDATHION

Main Uses 8 INSECTICIDE
JMPR 72, 75, 79R, 92', 94R, 97T
ADI 0.001 mg/kg body weight (1992; confirmed 1997)
AcuteRfD 0.01 mg/kg body weight (1997)
RESIDUE Methidathion.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	10		CXL		(1995)	
TN 0660	Almonds	0.05	(*)	CXL		(1997)	
FP 0226	Apple	0.5		CXL			
VS 0620	Artichoke globe	0.05	(*)	CXL		(1997)	
VD 0071	Beans (dry)	0.1		CXL		(1997)	
VB 0041	Cabbages, Head	0.1		CXL		(1997)	
MF 0812	Cattle fat	0.02	(*)	CXL			
FS 0013	Cherries	0.2		CXL			
SO 0691	Cotton seed	1		CXL		(1997)	
OC 0691	Cotton seed oil, Crude	2		CXL		(1997)	
VC 0424	Cucumber	0.05		CXL		(1997)	
MO 0097	Edible offal of cattle, pigs & sheep	0.02	(*)	CXL			
PE 0112	Eggs	0.02	(*)	CXL			
MF 0814	Goat fat	0.02	(*)	CXL		(1995)	
MM 0814	Goat meat	0.02	(*)	CXL		(1995)	
MO 0814	Goat, Edible offal of	0.02	(*)	CXL		(1995)	
FC 0203	Grapefruit	2		CXL		(1995)	
FB 0269	Grapes	1		CXL		(1999)	
DH 1100	Hops, Dry	5		CXL		(1995)	
FC 0002	Lemons and limes	2		CXL			
TN 0669	Macadamia nuts	0.01	(*)	CXL		(1997)	
GC 0645	Maize	0.1		CXL			
FC 0003	Mandarins	5		CXL			

MM	0097	Meat of cattle, pigs & sheep	0.02	(*)	CXL	
ML	0106	Milks	0.001		CXL	(1995)
FS	0245	Nectarine	0.2		CXL	
OC	0305	Olive oil, Virgin	2		CXL	(1995)
FT	0305	Olives	1		CXL	(1995)
VA	0385	Onion, Bulb	0.1		CXL	(1995)
FC	0004	Oranges, Sweet, Sour	2		CXL	
FS	0247	Peach	0.2		CXL	
FP	0230	Pear	1		CXL	(1999)
VD	0072	Peas (dry)	0.1		CXL	(1997)
VP	0063	Peas (pods and succulent=immature seeds)	0.1		CXL	
TN	0672	Pecan	0.05	(*)	CXL	(1997)
MF	0818	Pig fat	0.02	(*)	CXL	
FI	0353	Pineapple	0.05		CXL	(1995)
FS	0014	Plums (including prunes)	0.2		CXL	
VR	0589	Potato	0.02	(*)	CXL	
PF	0111	Poultry fats	0.02	(*)	CXL	
PM	0110	Poultry meat	0.02	(*)	CXL	
PO	0111	Poultry, Edible offal of	0.02	(*)	CXL	
VR	0494	Radish	0.05	(*)	CXL	(1997)
SO	0495	Rape seed	0.1		CXL	(1995)
SO	0699	Safflower seed	0.1		CXL	(1997)
MF	0822	Sheep fat	0.02	(*)	CXL	
GC	0651	Sorghum	0.2		CXL	(1995)
VR	0596	Sugar beet	0.05	(*)	CXL	(1997)
SO	0702	Sunflower seed	0.5		CXL	(1997)
DT	1114	Tea, Green, Black	0.5		CXL	(1997)
VO	0448	Tomato	0.1		CXL	
TN	0678	Walnuts	0.05	(*)	CXL	(1997)

53 MEVINPHOS

Main Uses 8 INSECTICIDE
JMPR 65T, 72, 96T', 97R', 00R
ADI 0.0008 mg/kg body weight (1996)
AcuteRfD 0.003 mg/kg body weight (1996)
RESIDUE Sum of (E)- and (Z)-mevinphos.
Note The CCPR-33 requested JMPR to conduct intake calculation for cabbages, head; common bean (pods and/or immature seeds) and leak. (33.102).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VB 0400	Broccoli	1		CXL-D	97, 00	31	
VB 0402	Brussels sprouts	1		CXL-D	97	31	
VB 0041	Cabbages, Head	0.05		CXL		(2001)	
VB 0404	Cauliflower	1		CXL-D	97	31	
FC 0001	Citrus fruits	0.2		CXL-D	97, 00	31	
VP 0526	Common bean (pods and/or immature seeds)	0.05		CXL		(2001)	Withdrawal of CXL to be considered by CCPR 35 in 2003
VC 0424	Cucumber	0.2		CXL-D	97, 00	31	
FB 0269	Grapes	0.5		CXL-D	97, 00	31	
VA 0384	Leek	0.02	(*)	CXL		(2001)	Withdrawal of CXL to be considered by CCPR 35 in 2003
VC 0046	Melons, except watermelon	0.05		CXL-D	97, 00	31	
VP 0063	Peas (pods and succulent=immature seeds)	0.1		CXL-D	97, 00	31	
VL 0502	Spinach	0.5		CXL-D	97, 00	31	
FB 0275	Strawberry	1		CXL-D	97, 00	31	
VO 0448	Tomato	0.2		CXL-D	97, 00	31	

54 MONOCROTOPHOS

Main Uses 8 INSECTICIDE
JMPR 72, 75, 91, 93T, 94R, 95T
ADI 0.0006 mg/kg body weight (1993)
AcuteRfD 0.002 mg/kg body weight (1995)
RESIDUE Monocrotophos.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FC 0001	Citrus fruits	0.2		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.2		CXL			
SO 0691	Cotton seed	0.1		CXL			
OC 0691	Cotton seed oil, Crude	0.05	(*)	CXL			
MO 0097	Edible offal of cattle, pigs & sheep	0.02	(*)	CXL			
VO 0440	Egg plant	0.2		CXL		(1997)	
PE 0112	Eggs	0.02	(*)	CXL			
MM 0814	Goat meat	0.02	(*)	CXL			
MO 0814	Goat, Edible offal of	0.02	(*)	CXL			
GC 0645	Maize	0.05	(*)	CXL			
MM 0097	Meat of cattle, pigs & sheep	0.02	(*)	CXL			
AO3 0001	Milk products	0.02	(*)	CXL			
ML 0106	Milks	0.002	(*)	CXL			
VA 0385	Onion, Bulb	0.1		CXL			
SO 0697	Peanut	0.05	(*)	CXL		(1997)	
VP 0063	Peas (pods and succulent=immature seeds)	0.1		CXL			
VO 0444	Peppers, Chili	0.2		CXL		(1997)	
VR 0589	Potato	0.05	(*)	CXL		26	
PM 0110	Poultry meat	0.02	(*)	CXL			
PO 0111	Poultry, Edible offal of	0.02	(*)	CXL			

VP	0541	Soya bean (immature seeds)	0.05	(*)	CXL	
VR	0596	Sugar beet	0.05	(*)	CXL	
GS	0659	Sugar cane	0.02	(*)	CXL	(1997)
VC	0432	Watermelon	0.1		CXL	(1997)
GC	0654	Wheat	0.02	(*)	CXL	(1997)

55 OMETHOATE

Main Uses 8 INSECTICIDE

JMPR 71, 75, 78, 79T, 81, 84R, 85T, 86R, 87R, 88R, 90R, 96T', 98R'

ADI (See (27) dimethoate for ADI)

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

Note Previous ADI of 0.0003 mg/kg-bw (1985) for omethoate withdrawn by the 1996 JMPR.
The CCPR agreed that the entries for omethoate should indicate the source of each residue (23.101).
The manufacturer had indicated that the compound was no longer supported. However, since omethoate residues can result from uses of dimethoate, all CXLs should not be deleted (26.139).
Residue levels would need to be considered for dimethoate (27.101).
The CCPR-31 noted that omethoate was no longer supported and the 1998 JMPR had withdrawn all previous proposals. The CCPR would consider withdrawal of all MRLs at the 32nd Session. (31.57)
The CCPR-32 noted again that omethoate was no longer in use and its use was not supported. It postponed decision on the MRLs for omethoate to its 33rd Session (32.91)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	2		6	71, 75, 84, 86, 90, 98	23, 24	Withdrawal recommended (1998 JMPR)
VB 0402	Brussels sprouts	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0041	Cabbages, Head	0.5	T	3	90, 98		Withdrawal recommended (1998 JMPR)
VR 0577	Carrot	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0404	Cauliflower	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VS 0624	Celery	0.1		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
GC 0080	Cereal grains	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FS 0013	Cherries	2		6	71, 84, 86, 90, 98	23, 24	
FC 0001	Citrus fruits	2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB 0269	Grapes	2		6	71, 75, 90, 98	23, 24	Withdrawal recommended (1998 JMPR)
VL 0482	Lettuce, Head	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)

VL	0483	Lettuce, Leaf	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VA	0385	Onion, Bulb	0.5		3	90, 98		Withdrawal recommended (1998 JMPR)
FP	0230	Pear	2		6	71, 84, 86, 90, 98	23, 24	Withdrawal recommended (1998 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.1		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VO	0051	Peppers	1		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FS	0014	Plums (including prunes)	1		6	71, 75, 84, 86, 90, 98	23, 24	Changed from 2 mg/kg (1990 JMPR). Withdrawal recommended (1998 JMPR)
VR	0589	Potato	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VR	0596	Sugar beet	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
AV	0596	Sugar beet leaves or tops	1	T	6	75, 84, 86, 90, 98	24	Withdrawal recommended (1998 JMPR)
VO	0448	Tomato	0.5		3	90, 98		Withdrawal recommended (1998 JMPR)
VR	0506	Turnip, Garden	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)

56 2-PHENYLPHENOL

Main Uses 5 FUNGICIDE
JMPR 69, 75R, 83T, 85, 89T, 90, 99', 02R
ADI 0.4 mg/kg body weight (1999)
RESIDUE Plant commodities: Sum of 2-phenylphenol and sodium 2-phenylphenate, free and conjugated, expressed as 2-phenylphenol.
Note Previous ADI, 0.02 mg/kg bw (1990)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FC 0001	Citrus fruits	10	Po	CXL			
AB 0001	Citrus pulp, Dry	60	PoP	8	99	33	
JF 0004	Orange juice	0.5	PoP	8	99	33	
FP 0230	Pear	25	Po	CXL	99	26, 32, 33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data to be provided by US grower organization.
FP 0230	Pear	20	Po	3(a)	02		

57 PARAQUAT

Main Uses 7 HERBICIDE
JMPR 70, 72, 76, 78R, 81R, 82T, 85T, 86T (02')
ADI 0.004 mg paraquat cation/kg body weight. (1986)
RESIDUE Paraquat cation (generally available as dichloride).
ADI and MRLs are based on data resulting from the use of paraquat dichloride.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MO	1280	Cattle kidney	0.5		CXL			
SO	0691	Cotton seed	0.2		CXL			
OR	0691	Cotton seed oil, Edible	0.05	(*)	CXL			
MO	0097	Edible offal of cattle, pigs & sheep	0.05	(*)	CXL			Except as otherwise listed.
PE	0112	Eggs	0.01	(*)	CXL			
DH	1100	Hops, Dry	0.2		CXL			
GC	0645	Maize	0.1		CXL			
MM	0097	Meat of cattle, pigs & sheep	0.05	(*)	CXL			
ML	0106	Milks	0.01	(*)	CXL			
FT	0305	Olives	1		CXL			
FI	0351	Passion fruit	0.2		CXL			
MO	1284	Pig kidney	0.5		CXL			
VR	0589	Potato	0.2		CXL			
GC	0649	Rice	10		CXL			
CM	1205	Rice, Polished	0.5		CXL			
MO	1288	Sheep kidney	0.5		CXL			
GC	0651	Sorghum	0.5		CXL			
VD	0541	Soya bean (dry)	0.1		CXL			
SO	0702	Sunflower seed	2		CXL			
OC	0702	Sunflower seed oil, Crude	0.05	(*)	CXL			
OR	0702	Sunflower seed oil, Edible	0.05	(*)	CXL			
AO1	0002	Vegetables (except as otherwise listed)	0.05	(*)	CXL		24, 25	No further action required (25.79)

58 PARATHION

Main Uses 8 INSECTICIDE
JMPR 65T, 67, 69R, 70R, 84R, 91R, 95T'R, 97R, 00R'
ADI 0.004 mg/kg body weight (1995)
AcuteRfD 0.01 mg/kg body weight (1995)
RESIDUE Parathion.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.05	(*)	CXL-D		(1999)	
FS 0240	Apricot	1		CXL-D	00		
SO 0691	Cotton seed	1		CXL-D		(1997)	
VA 0384	Leek	0.05		CXL-D	00	(1995)	
FC 0204	Lemon	0.5		CXL-D	00	(1995)	
GC 0645	Maize	0.1		CXL-D		(1997)	
FC 0206	Mandarin	0.5		CXL-D	00	(1995)	
OC 0305	Olive oil, Virgin	2		CXL-D	00	(1995)	
FT 0305	Olives	0.5		CXL-D	00	(1995)	
FC 0004	Oranges, Sweet, Sour	0.5		CXL-D	00	(1995)	
FS 0247	Peach	1		CXL-D	00		
VR 0589	Potato	0.05	(*)	CXL-D	00	(1995)	
GC 0651	Sorghum	5		CXL-D		(1997)	
VD 0541	Soya bean (dry)	0.05	(*)	CXL-D	00	(1997)	
SO 0702	Sunflower seed	0.05	(*)	CXL-D	00	(1997)	

59 PARATHION-METHYL

Main Uses 8 INSECTICIDE

JMPR 65T, 68, 72R, 75, 78, 79T, 80T, 82T, 84, 91R, 92R, 94R', 95T', 00R'

ADI 0.003 mg/kg body weight (1995)

AcuteRfD 0.03 mg/kg body weight (1995)

RESIDUE Parathion-methyl.

Note The CCPR-29 agreed to consider MRLs for feedingstuffs and associated commodities at its 30th Session taking into account the section on animal transfer studies of the FAO Manual and previous JMPR reports (29.53)
The CCPR-30 postponed discussion on these MRLs pending the review of animal feeding studies and Periodic Review (residues) by the 2000 JMPR (30.48).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	70			5	00		
AL 1021	Alfalfa forage (green)	70			5	00		
FP 0226	Apple	0.2			5	00		
VS 0620	Artichoke globe	2			CXL-D	00	(1997)	
AL 1030	Bean forage (green)	1		fresh wt	6	94, 00	29, 30	Confirmed (2000 JMPR)
VD 0071	Beans (dry)	0.05	(*)		CXL	00	(1997)	Confirmed (2000 JMPR)
VB 0400	Broccoli	0.2			CXL-D	00	(1999)	
VB 0041	Cabbages, Head	0.2			CXL		(1999)	
VB 0041	Cabbages, Head	0.05			5	00		
VR 0577	Carrot	1			CXL-D	00	(1997)	
VS 0624	Celery	5			CXL-D	00	(1997)	
FS 0013	Cherries	0.01	(*)		CXL-D	00	(1995)	
VP 0526	Common bean (pods and/or immature seeds)	0.05	(*)		CXL-D	00	(1997)	
SO 0691	Cotton seed	25			5	00		
OC 0691	Cotton seed oil, Crude	10			5	00		
OR 0691	Cotton seed oil, Edible	10			5	00		
DF 0269	Dried grapes (=currants, raisins and sultanas)	1			5	00		
VP 0528	Garden pea (young pods)	1			CXL-D	00	(1997)	
FB 0268	Gooseberry	0.01	(*)		CXL-D	00	(1995)	
FB 0269	Grapes	0.5			5	00		

AS	0162	Hay or fodder (dry) of grasses	5			6	94, 00	29, 30	Confirmed (2000 JMPR)
DH	1100	Hops, Dry	1			CXL-D	00	(1997)	
VL	0482	Lettuce, Head	0.05	(*)		CXL-D	00	(1997)	
VL	0483	Lettuce, Leaf	0.5			CXL-D	00	(1997)	
VP	0534	Lima bean (young pods and/or immature beans)	0.05	(*)		CXL-D	00	(1997)	
GC	0645	Maize	0.1			5	00		
CF	1255	Maize flour	0.05			5	00		
OC	0645	Maize oil, Crude	0.2			5	00		
OR	0645	Maize oil, Edible	0.1			5	00		
VL	0485	Mustard greens	0.5			CXL-D	00	(1997)	
AL	0072	Pea hay or pea fodder (dry)	70			5	00		
AL	0528	Pea vines (green)	40			5	00		
FS	0247	Peach	0.3			5	00		
VD	0072	Peas (dry)	0.2			CXL		(1997)	
VD	0072	Peas (dry)	0.3			5	00		
FS	0014	Plums (including prunes)	0.01	(*)		CXL	00	(1995)	Retained for periodic review
VR	0589	Potato	0.05	(*)		CXL	00	(1997)	Confirmed (2000 JMPR)
SO	0495	Rape seed	0.05			5	00		
OC	0495	Rape seed oil, Crude	0.2			5	00		
OR	0495	Rapeseed oil, Edible	0.2			5	00		
FB	0272	Raspberries, Red, Black	0.01	(*)		CXL-D	00	(1995)	
CM	0649	Rice, Husked	1			CXL-D	00	(1999)	
VL	0502	Spinach	0.5			CXL-D	00	(1997)	
VR	0596	Sugar beet	0.05	(*)		CXL	00		Confirmed (2000 JMPR)
AV	0596	Sugar beet leaves or tops	0.05	(*)	fresh wt	6	94, 00	29, 30	Confirmed (2000 JMPR)
VL	0506	Turnip greens	2			CXL-D	00	(1997)	
VR	0506	Turnip, Garden	0.05	(*)		CXL-D	00	(1997)	
GC	0654	Wheat	5			6	94, 00	29, 30	Confirmed (2000 JMPR)
CM	0654	Wheat bran, Unprocessed	10			6	94, 00	29, 30	Confirmed (2000 JMPR)
CF	1211	Wheat flour	2			5	00		
AS	0654	Wheat straw and fodder, Dry	10			6	94, 00	29, 30	Confirmed (2000 JMPR)

60 PHOSALONE

Main Uses 8 INSECTICIDE
JMPR 72, 75R, 76R, 93T, 94R', 97T, 99R, 01T
ADI 0.02 mg/kg body weight (1997)
AcuteRfD 0.3 mg/kg body weight (2001)
RESIDUE Phosalone (fat-soluble).
Note Previous ADI 0.001 mg/kg (1993).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN	0660 Almonds	0.1		CXL		(2001)	
FP	0226 Apple	5		CXL	94	28, 30, 31	Withdrawal recommended (1994 JMPR). Retained for 4 years under the Periodic Review Procedure as new supervised trial data will become available in 1999 (28.47). Retained beyond the 4 year period awaiting the 1999 JMPR review of new data (31.60). To be replaced by the MRL for pome fruits
TN	0666 Hazelnuts	0.05	(*)	CXL		(2001)	
FP	0009 Pome fruits	2		6(a)	99	33	
FS	0012 Stone fruits	2		6	99	33	
TN	0678 Walnuts	0.05	(*)	CXL		(2001)	

61 PHOSPHAMIDON

Main Uses 8 INSECTICIDE
JMPR 65T, 66T, 68, 69R, 72R, 74R, 82T, 85T, 86T
ADI 0.0005 mg/kg body weight (1986)
RESIDUE Sum of phosphamidon (E- and Z- isomers) and N-desethyl-phosphamidon (E- and Z- isomers).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP	0226	Apple	0.5		CXL			
VB	0400	Broccoli	0.2		CXL			
VB	0402	Brussels sprouts	0.2		CXL			
VB	0041	Cabbages, Head	0.2		CXL			
VR	0577	Carrot	0.2		CXL			
VR	0578	Celeriac	0.2		CXL			
GC	0080	Cereal grains	0.1		CXL			
FS	0013	Cherries	0.2		CXL			
FC	0001	Citrus fruits	0.4		CXL			
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL			
VC	0424	Cucumber	0.1		CXL			
VL	0482	Lettuce, Head	0.1		CXL			
FS	0247	Peach	0.2		CXL			
FP	0230	Pear	0.5		CXL			
VP	0063	Peas (pods and succulent=immature seeds)	0.2		CXL			
VO	0051	Peppers	0.2		CXL			
FS	0014	Plums (including prunes)	0.2		CXL			
VR	0075	Root and tuber vegetables	0.05	(*)	CXL			Except carrot and celeriac.
VL	0502	Spinach	0.2		CXL			
FB	0275	Strawberry	0.2		CXL			
VO	0448	Tomato	0.1		CXL			
VC	0432	Watermelon	0.1		CXL			

62 PIPERONYL BUTOXIDE

Main Uses 20 SYNERGIST
JMPR 65, 66, 67R, 69R, 72, 92, 95T', 01R', 02R
ADI 0.2 mg/kg body weight (1995)
RESIDUE Piperonyl butoxide (fat-soluble).

Commodity Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MO 1280	Cattle kidney	0.3		3	01, 02		The MRL accommodates external animal treatment.
MO 1281	Cattle liver	1		3	01, 02		
MM 0812	Cattle meat	5	(fat)	3	01, 02		The MRL accommodates external animal treatment.
ML 0812	Cattle milk	0.2	F	3	01, 02		The MRL accommodates external animal treatment. "F" added (2002 JMPR).
GC 0080	Cereal grains	30	Po	3(a)	01, 02		
FC 0001	Citrus fruits	5		3	01, 02		
JF 0001	Citrus juice	0.05		3	01, 02		
DF 0167	Dried fruits	0.2	Po	3	01, 02		
PE 0112	Eggs	1		3	01, 02		The MRL accomodates external animal treatment.
VC 0045	Fruiting vegetables, Cucurbits	1		3	01, 02		
MO 0098	Kidney of cattle, goats, pigs & sheep	0.2			02		Excluding cattle kidney. The MRL for cattle kidney is higher than forkidneys of other species because of direct treatment of cattle (2002 JMPR).
VL 0483	Lettuce, Leaf	50		3	01, 02		
MO 0099	Liver of cattle, goats, pigs & sheep	1		3	02		
OC 0645	Maize oil, Crude	80	PoP	3	01, 02		
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)	3	02		Excluding cattle meat.
ML 0106	Milks	0.05	F	3	02		Excluding cattle milk.
VL 0485	Mustard greens	50		3	01, 02		
AL 0072	Pea hay or pea fodder (dry)	200	dry wt	3	01, 02		
AL 0528	Pea vines (green)	400	dry wt	3	01, 02		
SO 0703	Peanut, Whole	1	Po	3	01, 02		

VO	0051	Peppers	2		3	01, 02	
PM	0110	Poultry meat	7	(fat)	3	01, 02	The MRL accomodates external animal treatment.
PO	0111	Poultry, Edible offal of	10		3	01, 02	The MRL accomodates external animal treatment.
VD	0070	Pulses	0.2	Po	3	01, 02	
VL	0494	Radish leaves (including radish tops)	50		3	01, 02	
VR	0075	Root and tuber vegetables	0.5		3	01, 02	
VL	0502	Spinach	50		3	01, 02	
VO	0448	Tomato	2		3	01, 02	
JF	0448	Tomato juice	0.3		3	01, 02	
GC	0654	Wheat	10	Po	CXL	(1995)	To be replaced by MRL for cereal grains (2001 JMPR)
CM	0654	Wheat bran, Unprocessed	80	PoP	3	01, 02	
CF	1211	Wheat flour	10	PoP	3	01, 02	
CF	1210	Wheat germ	90	PoP	3	01, 02	
CF	1212	Wheat wholemeal	30	PoP	3	01, 02	

63 PYRETHRINS

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67R, 68R, 69R, 70T, 72, 74R, 99T', 00R'

ADI 0.04 mg/kg body weight (1972; confirmed 1999)

AcuteRfD 0.2 mg/kg body weight (1999)

RESIDUE 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 pyrethrum extract.

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
GC	0080	Cereal grains	3	Po		CXL	00		Retained
FC	0001	Citrus fruits	0.05			5/8	00		
MD	0180	Dried fish	3	Po		CXL-D	00		
DF	0167	Dried fruits	1	Po		CXL			
DF	0167	Dried fruits	0.2	Po		5	00		
DV	0168	Dried vegetables	1	Po		CXL-D	00		
VC	0045	Fruiting vegetables, Cucurbits	0.05	(*)		5/8	00		
SO	0088	Oilseed	1	Po		CXL-D	00		
AL	0072	Pea hay or pea fodder (dry)	1			5/8	00		
AL	0528	Pea vines (green)	10		dry wt	5/8	00		
SO	0697	Peanut	0.5	Po		5/8	00		
VO	0051	Peppers	0.05	(*)		5/8	00		
VD	0070	Pulses	0.1			5	00		Change to Po
VR	0075	Root and tuber vegetables	0.05	(*)		5/8	00		
VO	0448	Tomato	0.05	(*)		5/8	00		
TN	0085	Tree nuts	1	Po		CXL	00		Retained

64 QUINTOZENE

Main Uses 5 FUNGICIDE

JMPR 69, 73, 74R, 75, 77, 95', 98R

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

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

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0640	Barley	0.01	(*)	8	98	32	
AS 0640	Barley straw and fodder, Dry	0.01	(*)	8	98	32	
VB 0400	Broccoli	0.02		CXL-D			
VB 0400	Broccoli	0.05		8	98	32	
VB 0041	Cabbages, Head	0.02		CXL-D			
VB 0041	Cabbages, Head	0.1		8	98	32	
PM 0840	Chicken meat	0.1	(*) (fat)	8	98	32	
PO 0840	Chicken, Edible offal of	0.1	(*)	8	98	32	
VD 0526	Common bean (dry)	0.2		CXL-D			
VD 0526	Common bean (dry)	0.02		8	98	32	
VP 0526	Common bean (pods and/or immature seeds)	0.01		CXL-D			
VP 0526	Common bean (pods and/or immature seeds)	0.1		8	98	32	
SO 0691	Cotton seed	0.03		CXL-D			
SO 0691	Cotton seed	0.01		8	98	32	
PE 0112	Eggs	0.03	(*)	8	98	32	
GC 0645	Maize	0.01	(*)	8	98	32	
AS 0645	Maize fodder	0.01		8	98	32	
AF 0645	Maize forage	0.01	(*)	8	98	32	
AL 0072	Pea hay or pea fodder (dry)	0.05		8	98	32	
SO 0697	Peanut	2		CXL-D			
SO 0697	Peanut	0.5		8	98	32	
SO 0703	Peanut, Whole	5		CXL-D			

VD	0072 Peas (dry)	0.01		8	98	32
VO	0445 Peppers, Sweet	0.01		CXL-D		
VO	0445 Peppers, Sweet	0.05	(*)	8	98	32
VD	0541 Soya bean (dry)	0.01	(*)	8	98	32
AL	0541 Soya bean fodder	0.01	(*)	8	98	32
AL	1265 Soya bean forage (green)	0.01	(*)	8	98	32
VR	0596 Sugar beet	0.01	(*)	8	98	32
VO	0448 Tomato	0.1		CXL-D		
VO	0448 Tomato	0.02		8	98	32
GC	0654 Wheat	0.01		8	98	32
AS	0654 Wheat straw and fodder, Dry	0.03		8	98	32

65 THIABENDAZOLE

Main Uses 5 FUNGICIDE

JMPR 70, 71R, 72R, 75R, 77, 79R, 81R, 97R', 00R

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

RESIDUE Plant commodities: Thiabendazole.
Animal commodities: Sum of thiabendazole and 5-hydroxythiabendazole.

Note Acute RfD may be necessary but not yet established (2000 JMPR)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	10		CXL	97	31	Withdrawal recommended (1997JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65). To be replaced by the MRL for pome fruits (2000 JMPR)
FI 0326	Avocado	15	Po	5	00		
FI 0327	Banana	5	Po	CXL		(1999)	
MO 1280	Cattle kidney	1		5	00		
MO 1281	Cattle liver	0.3		5	00		
MM 0812	Cattle meat	0.1		CXL	00	(2001)	The MRL also accommodates veterinary uses (see also Volume 3, Section 1). The CCPR-32 amended the MRL for the sake of harmonization with the existing MRL for cattle muscle arising from veterinary uses (previously 0.05 mg/kg)(32.101). 0.1 mg/kg confirmed by the 2000 JMPR.
ML 0812	Cattle milk	0.1		CXL		(2001)	The MRL also accommodates veterinary uses (see also Volume 3, Section 1). The CCPR-32 amended the MRL for the sake of harmonization with the existing MRL for the same commodity arising from veterinary uses (previously 0.05 mg/kg)(32.101) The 2000 JMPR recommended a new MRL at 0.2 mg/kg.
ML 0812	Cattle milk	0.2		5	00		
FC 0001	Citrus fruits	10	Po	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65)
FC 0001	Citrus fruits	3	Po	5	00		
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.1	(*)	CXL			The MRL also accommodates veterinary uses except in the case of horses (see also Volume 3, Section 1). To be replaced by the MRLs for the relevant commodity of cattle (1997 JMPR).

PE	0112	Eggs	0.1		CXL		(2001)	
FI	0345	Mango	5	Po	5	00		
VC	0046	Melons, except watermelon	1		3	00		Returned to Step 3 pending new data
VO	0450	Mushrooms	60		5	97	32, 33	
FI	0350	Papaya	10		5	00		
FP	0230	Pear	10		CXL	97	31	Withdrawal recommended (1997JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65). To be replaced by the MRL for pome fruits (2000 JMPR)
FP	0009	Pome fruits	3	Po	5	00		
VR	0589	Potato	15		CXL		(1999)	
VR	0589	Potato	15	Po	5	00		Postharvest use
PM	0110	Poultry meat	0.05		CXL		(1999)	
FB	0275	Strawberry	3		CXL-D	97	31	
FB	0275	Strawberry	5		3	00		
VS	0469	Witloof chicory (sprouts)	0.05	(*)	CXL		(1999)	

67 CYHEXATIN

Main Uses 1 ACARICIDE

JMPR 70, 73, 74R, 75R, 77T, 78, 80T, 81T, 82R, 83R, 85R, 88T, 89T, 91, 92R, 94T (03T')(04R')

ADI 0.007 mg/kg body weight (1994)

RESIDUE Sum of azocyclotin and cyhexatin, expressed as cyhexatin.

Note The CCPR-25 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)		Step	JMPR	CCPR	Note
FP 0226	Apple	2		CXL			Will be supported (32.102)
FC 0001	Citrus fruits	2		CXL			Will be supported (32.102)
FB 0269	Grapes	0.2		CXL		(1993)	Will be supported (32.102)
MM 0095	Meat (from mammals other than marine mammals)	0.2		CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
AO3 0001	Milk products	0.05	(*)	CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
ML 0106	Milks	0.05	(*)	CXL			The MRL accommodates external animal treatment. Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
FS 0245	Nectarine	1		7C	91	25, 26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Will not be supported. The CCPR-33 would consider its revocation (32.102)
FS 0247	Peach	1		7B	83, 91	25, 26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Not adopted at Step 8 by the 20th Session of the CAC. Will be supported (32.102)
FP 0230	Pear	2		CXL			Will be supported (32.102)
FS 0014	Plums (including prunes)	2		7B	78, 91	26, 32	Awaiting a periodic review by a future JMPR meeting and information on GAP from governments (26.172,173). Not adopted at Step 8 by the 20th Session of the CAC. Will be supported (32.102)

69 BENOMYL

Main Uses 5 FUNGICIDE

JMPR 73R, 75, 78, 83, 88R, 90R, 94R, 95T', 98R'

ADI 0.1 mg/kg body weight (1995)

RESIDUE Sum of benomyl and carbendazim, expressed as carbendazim.
Residues arising from the use of benomyl are covered by the MRLs for (72) carbendazim.

Note Residue definition changed (1998 JMPR).
The CCPR-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session (32.103).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001	See related compound(s)					

70 BROMOPROPYLATE

Main Uses 1 ACARICIDE
JMPR 73, 93', 96R
ADI 0.03 mg/kg body weight (1993)
RESIDUE Bromopropylate.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FC 0001	Citrus fruits	2	CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	3	CXL		(1997)	
VC 0424	Cucumber	0.5	CXL		(1997)	
FB 0269	Grapes	2	CXL		(1997)	
VC 0046	Melons, except watermelon	0.5	CXL		(1997)	
FS 0014	Plums (including prunes)	2	CXL		(1995)	
FP 0009	Pome fruits	2	CXL		(1995)	
VC 0431	Squash, Summer	0.5	CXL		(1997)	
FB 0275	Strawberry	2	CXL		(1995)	

72 CARBENDAZIM

Main Uses 5 FUNGICIDE

JMPR 73, 76R, 77T, 78R, 83, 85, 87R, 88R, 90R, 94R, 95T', 98R'

ADI 0.03 mg/kg body weight (1995)

RESIDUE Carbendazim.
MRLs cover carbendazim arising from the direct use of carbendazim or (as a metabolite and/or a hydrolysis product formed during analysis) from the use of benomyl or thiophanate-methyl.

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.

The CCPR-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session. Written submissions specifying precise information on the available data were requested (32.103). The CCPR-33 would consider the issue of extrapolation from peach to other stone fruits and from wheat to rye (32.104).
The CCPR-33 agreed to change the definition to 1998 wording. It decided to consider the issue of the residue definition at its next session. Extrapolation from peach to apricots and nectarines was supported by several delegations. Therefore, the CCPR-33 decided to change the MRL from 0.1 mg/kg to 2 mg/kg for apricot (33.117-118).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FS 0240	Apricot	2		B	CXL		(2001)	
VS 0621	Asparagus	0.1	(*)	B	CXL	98	(1991) 32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FI 0326	Avocado	0.5		B	CXL-D	98	(1991) 32	Source of data: benomyl
FI 0327	Banana	1	Po	B,C,Th	CXL-D		(1991)	Source of data: benomyl, carbendazim, thiophanate-methyl
FI 0327	Banana	0.2		B	8	98	32	
GC 0640	Barley	0.5		C	8	94, 98	32	
AS 0640	Barley straw and fodder, Dry	2		B	CXL-D	98	(1991)	Source of data: benomyl
AS 0640	Barley straw and fodder, Dry	2		C	8	98	32	Based on Carbendazim data
VD 0071	Beans (dry)	2		B	CXL-D		(1991)	Source of data: benomyl
VD 0071	Beans (dry)	0.5		Th	8	98	32	
FB 0018	Berries and other small fruits	1		B,Th	6	88, 94, 98	24, 32, 33	Except grapes. Returned to Step 6 pending data.
VB 0402	Brussels sprouts	0.5		B	CXL		(1991)	Source of data: benomyl Confirmed (1998 JMPR)
VR 0577	Carrot	0.2		B	8	98	32	
MM 0812	Cattle meat	0.1	(*)	B	CXL-D		(1991)	Source of data: benomyl
MM 0812	Cattle meat	0.05	(*)	B	8	98	32	

VS	0624	Celery	2		B,C	CXL-D	98	(1991) 32	Source of data: benomyl, carbendazim
PF	0840	Chicken fat	0.1	(*)	Th	CXL-D		(1991)	Source of data: thiophanate-methyl
PF	0840	Chicken fat	0.05	(*)	B	8	98	32	
SB	0716	Coffee beans	0.1	(*)	C	CXL	98	(1991) 32	Source of data: carbendazim Retained
VP	0526	Common bean (pods and/or immature seeds)	2		B,C,Th	CXL	98	(1991) 32	Source of data: benomyl, carbendazim, thiophanate-methyl Retained
VC	0424	Cucumber	0.5		B,C,Th	CXL-D		(1991)	Source of data: benomyl, carbendazim, thiophanate-methyl
VC	0424	Cucumber	0.05	(*)	b, C	8	98	32	
MO	0105	Edible offal (mammalian)	0.05	(*)	B	8	98	32	
PE	0112	Eggs	0.1	(*)	B,Th	CXL-D		(1991)	Source of data: benomyl, thiophanate-methyl
PE	0112	Eggs	0.05	(*)	B	8	98	32	
VP	0529	Garden pea, Shelled	0.02		Th	8	98	32	
VC	0425	Gherkin	2		C,Th	CXL-D		(1991)	Source of data: carbendazim, thiophanate-methyl
VC	0425	Gherkin	0.05	(*)	b,C	8	98	32	
FB	0269	Grapes	3		b, Th	8	98	32	
VL	0482	Lettuce, Head	5		Th	6	73,75,78,83,88, 94,98	24, 32, 33	Retained pending data.
FI	0345	Mango	2		B	CXL	98	(1991) 32	Source of data: benomyl Retained
ML	0106	Milks	0.1	(*)	B	CXL-D		(1991)	Source of data: benomyl
ML	0106	Milks	0.05	(*)	B	8	98	32	
FS	0245	Nectarine	2		B	CXL		(2001)	Source of data: benomyl
VA	0385	Onion, Bulb	2		C,Th	CXL-D	98	(1991) 32	Source of data: carbendazim, thiophanate-methyl
FC	0004	Oranges, Sweet, Sour	1		B	8	98	32	
FS	0247	Peach	2		B	CXL		(2001)	Source of data: benomyl
VO	0051	Peppers	0.1		Th	6	83, 88, 94 ,98	24, 32, 33	Retained
FI	0353	Pineapple	5		B	8	98	32	
FS	0014	Plums (including prunes)	0.5		B	CXL		(2001)	Source of data: benomyl
FP	0009	Pome fruits	3		B,c,th	CXL		(2001)	Source of data: benomyl, carbendazim, thiophanate-methyl. Based on benomyl use.
PM	0110	Poultry meat	0.1	(*)	B,Th	CXL-D		(1991)	Source of data: benomyl, thiophanate-methyl
PM	0110	Poultry meat	0.05	(*)	B	8	98	32	
SO	0495	Rape seed	0.1	(*)	C	CXL-D		(1991)	Source of data: carbendazim
SO	0495	Rape seed	0.05	(*)	C	8	98	32	

AS	0649 Rice straw and fodder, Dry	15		B,C,Th	CXL-D	98	(1991)	Source of data: benomyl, carbendazim, thiophanate-methyl
AS	0649 Rice straw and fodder, Dry	15		B	8	98	32	Based only on Benomyl data
CM	0649 Rice, Husked	2		B	8	98	32	
GC	0650 Rye	0.05		C,Th	8	94, 98	32	Changed from 0.1 to 0.05 (*)
VD	0541 Soya bean (dry)	0.2		C	CXL	98	(1991) 32	Source of data: carbendazim Retained pending data
AL	0541 Soya bean fodder	0.1	(*)	C	CXL	98	(1991) 32	Source of data: carbendazim Retained pending data
VR	0508 Sweet potato	1		B	CXL-D	98	(1991) 32	Source of data: benomyl
VO	0448 Tomato	0.5		b,C	CXL		(2001)	Source of data: benomyl, carbendazim. Based on carbendazim use.
TN	0085 Tree nuts	0.1	(*)	B	CXL	98	(1991) 32	Source of data: benomyl Retained pending data
GC	0654 Wheat	0.05	(*)	b,Th	8	94, 98	32	
AS	0654 Wheat straw and fodder, Dry	5		B	CXL-D		(1991)	Source of data: benomyl
AS	0654 Wheat straw and fodder, Dry	1		B,C	8	98	32	

73 DEMETON-S-METHYL

Main Uses 8 INSECTICIDE
JMPR 73, 79R, 82T, 84, 89, 92R, 98R'
ADI 0.0003 mg/kg body weight (1989; for demeton-S-methyl and related compounds, alone or in combination)
RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.
See (166) oxydemeton-methyl.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001	See related compound(s)					

74 DISULFOTON

Main Uses 8 INSECTICIDE / ACARICIDE

JMPR 73, 75, 79R, 81R, 84R, 91, 94R, 96T, 98R

ADI 0.0003 mg/kg body weight (1991)

AcuteRfD 0.003 mg/kg body weight (1996)

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

Note The CCPR-28 amended the MRLs at or about the limit of determination to read 0.02 mg/kg (*) and kept them at Step 7B awaiting the outcome of the 1996 JMPR. The MRLs for maize and milk of cattle, goats and sheep at the levels below the new limit of determination were also kept at Step 7B (28.52). The CCPR-28 kept all other proposals at Step 7C due to intake concerns (28.54).
The CCPR-29 kept those MRLs at Step 7B pending the 1998 JMPR evaluation including STMR and processing data (29.57).
The CCPR-31 returned all draft MRLs to Step 6 for government comments and subsequent discussion at the CCPR-32 (31.67).
The CCPR-32 noted that: rice and sorghum were the main source of the intake except in the European regional diet; and the manufacturer was considering not to support the CXLs for rice and sorghum. The CCPR-33 would consider revocation of these CXLs at its 33rd Session. All draft MRLs were returned to Step 6 for consideration at the 33rd Session (32.105)
The CCPR-33 noted that the MRLs for rice, sorghum and sorghum forage (green) would not be supproted due to intake concerns and it would be informed on which used would supported before the 34th Session. The CCRP-33 requested WHO to undertake intake calculations, especially acute intake for the next session (33.120, 123).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	5		(dry wt)	CXL		(1995)	
VS 0621	Asparagus	0.02	(*)		6	91	28, 31, 32, 33	
GC 0640	Barley	0.2			6(a)	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
AS 0640	Barley straw and fodder, Dry	3			CXL		(1995)	
VD 0071	Beans (dry)	0.2			6	91, 94, 98	28, 29, 31, 32, 33	Changed from 0.05 mg/kg at Step 7B (1998 JMPR)
VB 0400	Broccoli	0.1			6	91, 94	26, 28, 29, 31, 32, 33	Changed from 0.2 mg/kg (1994 JMPR).
VB 0041	Cabbages, Head	0.2			6	91, 94	26, 28, 29, 31, 32, 33	
VB 0404	Cauliflower	0.05			6	91, 94	28, 29, 31, 32, 33	Changed from 0.2 mg/kg (1994 JMPR).
GC 0080	Cereal grains	0.2			CXL			Except rice and maize. To be replaced by the MRLs for individual commodities.
PE 0840	Chicken eggs	0.02	(*)		6	91	25, 28, 31, 32, 33	
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		6	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
SO	0691	Cotton seed	0.1		6	91, 94, 98	28, 29, 31, 32, 33	Confirmed (1994 & 1998 JMPR); formerly at Step 7B.
AO3	1600	Forage crops (green)	5		CXL			Except maize forage. To be replaced by the MRLs for individual commodities.
VP	0528	Garden pea (young pods)	0.1		6	91, 94	28, 29, 31, 32, 33	
VP	0529	Garden pea, Shelled	0.02	(*)	6	91, 94	28, 31, 32, 33	
VL	0482	Lettuce, Head	1		6	91, 98	25, 26, 28, 29, 31, 32, 33	Confirmed (1998 JMPR); formerly at Step 7B.
VL	0483	Lettuce, Leaf	1		6	91, 98	26, 28, 29, 31, 32, 33	Confirmed (1998 JMPR); formerly at Step 7B.
GC	0645	Maize	0.5		CXL			
GC	0645	Maize	0.02	(*)	6(a)	91, 94, 98	26, 28, 31, 32, 33	Changed from 0.01 mg/kg at Step 7B (1998 JMPR).
AS	0645	Maize fodder	3		CXL		(1995)	
AF	0645	Maize forage	1		CXL		(1995)	
ML	0107	Milk of cattle, goats & sheep	0.01		6	91, 94	25, 26, 28, 31, 32, 33	Changed from 0.02 mg/kg (1994 JMPR).
AF	0647	Oat forage (green)	0.5		6(a)	91, 94	26, 28, 29, 31, 32, 33	Confirmed (1994 JMPR)
AS	0647	Oat straw and fodder, Dry	0.05		6	91, 94	26, 28, 29, 31, 32, 33	Confirmed (1994 JMPR)
GC	0647	Oats	0.02	(*)	6(a)	91, 94	28, 31, 32, 33	Confirmed (1994 JMPR)
SO	0697	Peanut	0.1		CXL			
TN	0672	Pecan	0.1		CXL			
FI	0353	Pineapple	0.1		CXL			
VR	0589	Potato	0.5		CXL	98		Confirmed (1998 JMPR).
PM	0110	Poultry meat	0.02	(*)	6	91	28, 31, 32, 33	
VR	0591	Radish, Japanese	0.2		CXL		(1995)	
VR	0596	Sugar beet	0.2		CXL		(1995)	
AV	0596	Sugar beet leaves or tops	2		CXL		(1995)	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	6	91	28, 31, 32, 33	
VO	1275	Sweet corn (kernels)	0.02	(*)	6	91	28, 31, 32, 33	

AO1	0002	Vegetables (except as otherwise listed)	0.5	CXL		23, 25	To be recommended for deletion when proposals of the relevant individual commodities reach Step 8 (25.96)
GC	0654	Wheat	0.2	6(a)	91, 94	28, 29, 31, 32, 33	Confirmed (1994 JMPR).
AF	0654	Wheat forage (whole plant)	1	6(a)	91, 94	26, 28, 29, 31, 32, 33	Changed from 2 mg/kg (1994 JMPR).
AS	0654	Wheat straw and fodder, Dry	5	6	91, 94	26, 28, 29, 31, 32, 33	Changed from 10 mg/kg (1994 JMPR).

75 PROPOXUR

Main Uses 8 INSECTICIDE
JMPR 73, 77, 81, 83, 89, 91, 96R
ADI 0.02 mg/kg body weight (1973; confirmed 1989)
RESIDUE Propoxur.
Note The CCPR-33 would consider the revocation of all CXLs as the compound was no longer supported (33.124).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP 0226	Apple	3			CXL-D			
FB 0264	Blackberries	3			CXL-D			
VP 0522	Broad bean (green pods and immature seeds)	0.05	(*)		CXL-D		(1995)	
VB 0403	Cabbage, Savoy	0.5			CXL-D		(1995)	
VR 0577	Carrot	0.05	(*)		CXL-D		(1995)	
FS 0013	Cherries	3			CXL-D			
VP 0526	Common bean (pods and/or immature seeds)	1			CXL-D		(1995)	
VC 0424	Cucumber	0.1			CXL-D		(1995)	
FB 0279	Currant, Red, White	3			CXL-D			
VP 0528	Garden pea (young pods)	0.05			CXL-D		(1995)	
FB 0268	Gooseberry	3			CXL-D			
VB 0405	Kohlrabi	0.2			CXL-D		(1995)	
VA 0384	Leek	1			CXL-D		(1995)	
AL 0157	Legume animal feeds	1		fresh wt	CXL-D			
VL 0482	Lettuce, Head	0.5			CXL-D		(1999)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)		CXL-D			
ML 0106	Milks	0.05	(*)		CXL-D			
VA 0385	Onion, Bulb	0.05	(*)		CXL-D		(1995)	
FS 0247	Peach	3			CXL-D			
FP 0230	Pear	3			CXL-D			
FS 0014	Plums (including prunes)	3			CXL-D			

VR	0589 Potato	0.02	(*)	CXL-D	(1999)
CM	0649 Rice, Husked	0.1		CXL-D	
VL	0502 Spinach	2		CXL-D	(1995)
FB	0275 Strawberry	3		CXL-D	
VO	0448 Tomato	0.05		CXL-D	(1995)

77 THIOPHANATE-METHYL

Main Uses 5 FUNGICIDE

JMPR 73, 75, 77T, 78R, 88R, 90R, 94R, 95T' 98R'T

ADI 0.08 mg/kg body weight (1998)

RESIDUE Sum of thiophanate-methyl and carbendazim, expressed as carbendazim.

Note The CCPR will recommend to the Commission the revocation of all MRLs when the MRLs for carbendazim (72) reach Step 8 (21.112: 22.119).
Residues arising from the use of thiophanate-methyl are covered by the MRLs for carbendazim (1998 JMPR).
The 1998 JMPR changed residue definition. Previous ADI 0.02 mg/kg bw (1995).

The CCPR-33 noted that new residue data would become available for review by the 2002 JMPR including apricot, beans (dry), snap bean, bean forage and hay, celery, cherry, melons, peanut, peanut forage and hay, peppers, potato (seed treatment), sheep meat, soya bean, squashi and sugar beet root and tops (33.125).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	5	Po	CXL-D		32	
VR 0577	Carrot	5	Po	CXL-D		32	
VS 0624	Celery	20	Po	CXL-D		23, 32	
GC 0080	Cereal grains	0.1	(*)	CXL-D		32	
FS 0013	Cherries	10		CXL-D		32	
PM 0840	Chicken meat	0.1	(*)	CXL-D		32	
FC 0001	Citrus fruits	10	Po	CXL-D		32	
FB 0278	Currant, Black	5		CXL-D		32	
FB 0268	Gooseberry	5		CXL-D		32	
FB 0269	Grapes	10		CXL-D		32	
VL 0482	Lettuce, Head	5		CXL-D		32	
VO 0450	Mushrooms	1		CXL-D		32	
FS 0247	Peach	10	Po	CXL-D		32	
FP 0230	Pear	5	Po	CXL-D		32	
FS 0014	Plums (including prunes)	2		CXL-D		32	
FB 0272	Raspberries, Red, Black	5		CXL-D		32	
FB 0275	Strawberry	5		CXL-D		32	
AV 0596	Sugar beet leaves or tops	5		CXL-D		32	
VO 0448	Tomato	5		CXL-D		32	

78 VAMIDOTHION

Main Uses 8 INSECTICIDE
JMPR 73, 82T, 85, 87R, 88T, 90R, 92R
ADI 0.008 mg/kg body weight (1988)
RESIDUE Sum of vamidothion, its sulphoxide and sulphone, expressed as vamidothion.
Note The CAC-24 revoked the existing CXLs.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0000	No MRL					

79 AMITROLE

Main Uses 7 HERBICIDE
JMPR 74, 77T, 93, 97T, 98R'
ADI 0.002 mg/kg body weight (1997)
RESIDUE Amitrole.
Note Previous TADI, 0.0005 mg/kg bw (1993).
Previous CXLs for raw agricultural commodities of plant origin were revoked by the 17th CAC.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FB	0269 Grapes	0.05		8	98	32	
FP	0009 Pome fruits	0.05	(*)	8	98	32	
FS	0012 Stone fruits	0.05	(*)	8	98	32	

81 CHLOROTHALONIL

Main Uses 5 FUNGICIDE
JMPR 74,77,78R,79,81,83,85,87T,88R,90,92T,93R', 97R
ADI 0.03 mg/kg body weight (1990; confirmed 1992)
RESIDUE Chlorothalonil.
Note The CCPR-33 invited the banana producing countries to submit data on unbagged bananas (33.127).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI	0327	Banana	0.01	(*)	CXL		(2001)	Based on trials with bagged bananas. The CCPR-31 requested governments and interested parties to submit information on unbagged bananas for evaluation by JMPR (31.70). The CCPR-33 would consider this MRL together with a new proposal by USA at 0.05 mg/kg which is based on the limit of determination of 0.03 mg/kg (32.109)
GC	0640	Barley	0.1		CXL		(1995)	
AS	0640	Barley straw and fodder, Dry	20		CXL		(1995)	
VD	0071	Beans (dry)	0.2		CXL		(1999)	
VB	0400	Broccoli	5		CXL			Confirmed (1997 JMPR)
VB	0402	Brussels sprouts	5		CXL			
VB	0041	Cabbages, Head	1		CXL		(1995)	
VR	0577	Carrot	1		CXL			
VB	0404	Cauliflower	1		CXL		(1995)	
VS	0624	Celery	10		CXL		(1997)	
HH	0624	Celery leaves	3		CXL		(1999)	
FS	0013	Cherries	0.5		CXL		(1995)	
VP	0526	Common bean (pods and/or immature seeds)	5		CXL			
FB	0265	Cranberry	5		CXL			
VC	0424	Cucumber	5		CXL			
FB	0021	Currants, Black, Red, White	5		CXL		(1999)	
FB	0269	Grapes	0.5		CXL		(1995)	
VC	0046	Melons, except watermelon	2		CXL		(1997)	
VA	0385	Onion, Bulb	0.5		CXL		(1995)	

HH	0740	Parsley	3	CXL	(1999)
FS	0247	Peach	0.2	CXL	(1999)
SO	0697	Peanut	0.05	CXL	(1995)
VO	0445	Peppers, Sweet	7	CXL	(1999)
VR	0589	Potato	0.2	CXL	(1997)
VC	0431	Squash, Summer	5	CXL	
VR	0596	Sugar beet	0.2	CXL	(1995)
AV	0596	Sugar beet leaves or tops	20	CXL	(1995)
VO	0447	Sweet corn (corn-on-the-cob)	0.01 (*)	CXL	(1999)
VO	0448	Tomato	5	CXL	
GC	0654	Wheat	0.1	CXL	(1995)
AS	0654	Wheat straw and fodder, Dry	20	CXL	(1995)
VC	0433	Winter squash	5	CXL	

82 DICHLOFLUANID

Main Uses 5 FUNGICIDE
JMPR 69, 74, 77, 79, 81R, 82R, 83, 85R
ADI 0.3 mg/kg body weight (1983)
RESIDUE Dichlofluanid
Note This compound will not be supported beyond 2000 but an alternative compound, tolylfluanid (162) will be. It was proposed that the existing CXLs be retained until the registration of dichlofluanid expires (29.58).
The CCPR-33 requested an overview on the registered uses of dichlofluanid. Based on the information the CCPR-34 would consider the revocation of CXLs fro the commodities for which there are no registered uses (33.128).

Commodity Code		Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226	Apple	5	CXL			
GC	0640	Barley	0.1	CXL-D			
FB	0264	Blackberries	10	CXL			
FS	0013	Cherries	2	CXL-D			
VP	0526	Common bean (pods and/or immature seeds)	2	CXL-D			
VC	0424	Cucumber	5	CXL			
FB	0021	Currants, Black, Red, White	15	CXL			
VO	0440	Egg plant	1	CXL			
FB	0268	Gooseberry	7	CXL			
FB	0269	Grapes	15	CXL			
VL	0482	Lettuce, Head	10	CXL			
GC	0647	Oats	0.1	CXL-D			
VA	0385	Onion, Bulb	0.1	CXL			
FS	0247	Peach	5	CXL			
FP	0230	Pear	5	CXL			
VO	0051	Peppers	2	CXL			
VR	0589	Potato	0.1	CXL			
FB	0272	Raspberries, Red, Black	15	CXL			
GC	0650	Rye	0.1	CXL-D			
FB	0275	Strawberry	10	CXL			
VO	0448	Tomato	2	CXL			

GC	0654 Wheat	0.1	CXL-D
AS	0654 Wheat straw and fodder, Dry	0.5	CXL-D

83 DICLORAN

Main Uses 5 FUNGICIDE
JMPR 74, 77, 98' (03R)
ADI 0.01 mg/kg body weight (1998)
RESIDUE Dicloran (fat-soluble).
Note Previous ADI 0.03 mg/kg (1977)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VR 0577	Carrot	10	Po	CXL-D			
VR 0577	Carrot	15	Po	8	98	32	
FB 0269	Grapes	10	Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VL 0482	Lettuce, Head	10		CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VA 0385	Onion, Bulb	0.2		CXL		(2001)	
FS 0247	Peach	15	Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FS 0014	Plums (including prunes)	10	Po	CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FB 0275	Strawberry	10		CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
VO 0448	Tomato	0.5		CXL	98	29, 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)

84 DODINE

Main Uses 5 FUNGICIDE
JMPR 74, 76, 77R, 00T' (01R')
ADI 0.1 mg/kg body weight (2000)
AcuteRfD 0.2 mg/kg body weight (2000)
RESIDUE Dodine.
Note Previous ADI, 0.01 mg/kg body weight

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	5	CXL			
FS 0013	Cherries	2	CXL			
FB 0269	Grapes	5	CXL			
FS 0247	Peach	5	CXL			
FP 0230	Pear	5	CXL			
FB 0275	Strawberry	5	CXL			

85 FENAMIPHOS

Main Uses 8 INSECTICIDE
JMPR 74, 77R, 78R, 80R, 85T, 87T, 97T', 99R'
ADI 0.0008 mg/kg body weight (1997)
AcuteRfD 0.003 mg/kg body weight (2002)
RESIDUE Sum of fenamiphos and its sulphoxide and sulphone, expressed as fenamiphos.
Note Previous acuteRfD, 0.0008 mg/kg bw (1997).
It decided not to advance the draft MRLs beyond Step 7 until intake concerns were resolved. It invited delegations to express their views on possible solutions (33.131-134).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.05	(*)	6	99	33	Returned to current Step
FI 0327	Banana	0.1		CXL			
FI 0327	Banana	0.05	(*)	6(a)	99	33	Returned to current Step
VB 0402	Brussels sprouts	0.05	(*)	CXL			
VB 0402	Brussels sprouts	0.05		6(a)	99	33	Returned to current Step
VB 0041	Cabbages, Head	0.05	(*)	CXL			
VB 0041	Cabbages, Head	0.05		6(a)	99	33	Returned to current Step
VR 0577	Carrot	0.2		CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
SO 0691	Cotton seed	0.05	(*)	CXL			Confirmed (1999 JMPR).
OC 0691	Cotton seed oil, Crude	0.05	(*)	6	99	33	Returned to current Step
MO 0105	Edible offal (mammalian)	0.01	(*)	6	99	33	Returned to current Step
PE 0112	Eggs	0.01	(*)	6	99	33	Returned to current Step
FB 0269	Grapes	0.1		CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
MM 0095	Meat (from mammals other than marine mammals)	0.01	(*)	6	99	33	Returned to current Step
VC 0046	Melons, except watermelon	0.05	(*)	CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
ML 0106	Milks	0.005	(*)	6	99	33	Returned to current Step
SO 0697	Peanut	0.05	(*)	CXL			Confirmed (1999 JMPR).

OC	0697 Peanut oil, Crude	0.05	(*)	6	99	33	Returned to current Step
VO	0051 Peppers	0.5		6	99	33	Returned to current Step
FI	0353 Pineapple	0.05	(*)	CXL			Confirmed (1999 JMPR). The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children/general population would be below the acute RfD.
PM	0110 Poultry meat	0.01	(*)	6	99	33	Returned to current Step
PO	0111 Poultry, Edible offal of	0.01	(*)	6	99	33	Returned to current Step
VO	0448 Tomato	0.2		CXL			
VO	0448 Tomato	0.5		6(a)	99	33	Returned to current Step
VC	0432 Watermelon	0.05	(*)	6	99	33	Returned to current Step

86 PIRIMIPHOS-METHYL

Main Uses 8 INSECTICIDE
JMPR 74, 76, 77R, 79R, 83R, 85R, 92T, 94R (02R')
ADI 0.03 mg/kg body weight (1992)
RESIDUE Pirimiphos-methyl (fat-soluble).

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP	0226	Apple	2			CXL			
VB	0402	Brussels sprouts	2			CXL			
VB	0041	Cabbages, Head	2			CXL			
VR	0577	Carrot	1			CXL			
VB	0404	Cauliflower	2			CXL			
GC	0080	Cereal grains	10		Po	CXL			
FS	0013	Cherries	2			CXL			
FC	0001	Citrus fruits	2			CXL			
VP	0526	Common bean (pods and/or immature seeds)	0.5			CXL			
VC	0424	Cucumber	1			CXL			
FB	0278	Currant, Black	1			CXL			
DF	0295	Dates, Dried or dried & candied	0.5		Po	CXL			
MD	0180	Dried fish	8		Po	CXL			
PE	0112	Eggs	0.05	(*)		CXL			
FB	0268	Gooseberry	1			CXL			
FI	0341	Kiwifruit	2			CXL			
VL	0482	Lettuce, Head	5			CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		CXL			
ML	0106	Milks	0.05	(*)		CXL			
VO	0450	Mushrooms	5			CXL			
FT	0305	Olives	5			CXL			
SO	0697	Peanut	2		Po	CXL			

OC	0697	Peanut oil, Crude	15	PoP	CXL	
OR	0697	Peanut oil, Edible	15	PoP	CXL	(1997)
SO	0703	Peanut, Whole	25	Po	CXL	
FP	0230	Pear	2		CXL	
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL	
VO	0051	Peppers	1		CXL	
FS	0014	Plums (including prunes)	2		CXL	
VR	0589	Potato	0.05	(*)	CXL	
FB	0272	Raspberries, Red, Black	1		CXL	
CM	1206	Rice bran, Unprocessed	20	PoP	CXL	
CM	0649	Rice, Husked	2	PoP	CXL	
CM	1205	Rice, Polished	1	PoP	CXL	
CF	1251	Rye wholemeal	5	PoP	CXL	
VL	0502	Spinach	5		CXL	
VA	0389	Spring onion	1		CXL	
FB	0275	Strawberry	1		CXL	
VO	0448	Tomato	1		CXL	
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL	
CF	1211	Wheat flour	2	PoP	CXL	
CF	1212	Wheat wholemeal	5	PoP	CXL	
CP	1211	White bread	0.5	PoP	CXL	
CP	1212	Wholemeal bread	1	PoP	CXL	

87 DINOCAP

Main Uses 5 FUNGICIDE

JMPR 69, 74, 89, 92R, 98, 99R, 00T, 01R

ADI 0.008 mg/kg body weight (1998)

RESIDUE Sum of dinocap isomers and dinocap phenols, expressed as dinocap.

Note Previous ADI 0.001 mg/kg bw (1989).
The CCPR-33 agreed to consider this compound at its 34th session, in particular the short-term intake estimates for grapes (based on wine grapes grown in Nothern Europe as opposed to table grapes grown in Southern Europe) (33.136). The 2001 JMPR concluded that the short-term intake of dinocap from its use on grapes is unlikely to present a public health concern.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.2	8	98	32	
VC 0045	Fruiting vegetables, Cucurbits	0.05 (*)	8	98	32	
FB 0269	Grapes	0.5	6	98, 00	32	Returned to current Step
FS 0247	Peach	0.1	8	98	32	
VO 0051	Peppers	0.2	8	98	32	
FB 0275	Strawberry	0.5	8	98	32	Except glasshouse-grown strawberry
VO 0448	Tomato	0.3	8	99	32	

90 CHLORPYRIFOS-METHYL

Main Uses 8 INSECTICIDE

JMPR 75, 76, 79R, 90R, 91', 92T, 93R, 94R, 01T

ADI 0.01 mg/kg body weight (1992)

RESIDUE Chlorpyrifos-methyl (fat-soluble).

Note The CCPR-32 requested the working group on priorities to include this compound in the Priority List for review by JMPR for establishment of an acute RfD (32.115).
The CCPR-33 decided to return all draft MRLs to Step 6, pending a full review by JMPR (33.137).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.5		CXL			
VS 0620	Artichoke globe	0.1		CXL			
GC 0640	Barley	10	Po	6	91, 94	25, 26, 28, 29, 30, 31, 32, 33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).
VB 0041	Cabbages, Head	0.1		CXL			
MF 0812	Cattle fat	0.05		CXL			
MM 0812	Cattle meat	0.05		CXL			
MO 0812	Cattle, Edible offal of	0.05		CXL			
PF 0840	Chicken fat	0.05		CXL			
PM 0840	Chicken meat	0.05		CXL			
PO 0840	Chicken, Edible offal of	0.05		CXL			
VL 0467	Chinese cabbage (type pe-tsai)	0.1		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.1		CXL			
FT 0295	Date	0.05		CXL		(1995)	
VO 0440	Egg plant	0.1		CXL			
PE 0112	Eggs	0.05		CXL			
FB 0269	Grapes	0.2		CXL		(1995)	
VL 0482	Lettuce, Head	0.1		CXL			
ML 0106	Milks	0.01	(*)	CXL			
VO 0450	Mushrooms	0.01	(*)	CXL		(1995)	
GC 0647	Oats	10	Po	6	91, 94	26, 28, 29, 30, 31, 32, 33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).

FC	0004 Oranges, Sweet, Sour	0.5		CXL		(1995)	
FS	0247 Peach	0.5		CXL			
VO	0051 Peppers	0.5		CXL		(1995)	
VR	0494 Radish	0.1		CXL			
GC	0649 Rice	0.1		CXL			
GC	0649 Rice	10	Po	6(a)	94	28, 29, 30, 31, 32, 33	The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74).
GC	0651 Sorghum	10	Po	CXL		26	
DT	1114 Tea, Green, Black	0.1		CXL			
VO	0448 Tomato	0.5		CXL			
GC	0654 Wheat	10	Po	CXL		26	
CM	0654 Wheat bran, Unprocessed	20	PoP	CXL			
CF	1211 Wheat flour	2	Po	CXL			
CP	1211 White bread	0.5	PoP	CXL			
CP	1212 Wholemeal bread	2	PoP	CXL			

93 BIORESMETHRIN

Main Uses 8 INSECTICIDE
JMPR 75R, 76, 91
ADI 0.03 mg/kg body weight (1991)
RESIDUE Bioresmethrin.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0654	Wheat	1	Po	CXL		(1995)	
CM 0654	Wheat bran, Unprocessed	5	PoP	CXL		(1995)	
CF 1211	Wheat flour	1	PoP	CXL		(1995)	
CF 1210	Wheat germ	3	PoP	CXL		(1995)	
CF 1212	Wheat wholemeal	1	PoP	CXL		(1995)	

94 METHOMYL

Main Uses 8 INSECTICIDE
JMPR 75R, 76R, 77R, 78R, 86, 87R, 88R, 89, 90R, 91R, 01'
ADI 0.02 mg/kg body weight (2001)
AcuteRfD 0.02 mg/kg body weight (2001)
RESIDUE Sum of methomyl and thiodicarb, expressed as methomyl.
MRLs related to methomyl and (154) thiodicarb are combined into a single list.
Note The CCPR had decided on combined list for thiodicarb and methomyl.
Previous ADI, 0.03 mg/kg bw (1989)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
	[Cotton seed, hulls]	0.2		3	01		
	[Cotton seed, meal]	0.05		3	01		
	[Rape seed forage]	0.2		3	01		
	[Soya bean hulls]	1		3	01		
	[Soya bean meal]	0.2		3	01		
AL 1020	Alfalfa fodder	20		3	01		Resulting from consideration of methomyl supervised field trial data.
AL 1021	Alfalfa forage (green)	10	fresh wt	CXL		(1991)	
AL 1021	Alfalfa forage (green)	25		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
FP 0226	Apple	2		3(a)	01		Resulting from consideration of thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VS 0621	Asparagus	2		CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR).
GC 0640	Barley	0.5		CXL		(1991)	
GC 0640	Barley	2		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS 0640	Barley straw and fodder, Dry	5		CXL	01	(1991)	Withdrawal recommended (2001 JMPR).
AL 0061	Bean fodder	10		3	01		Resulting from consideration of methomyl supervised field trial data.
VD 0071	Beans (dry)	0.1		CXL		(1991)	

VD	0071	Beans (dry)	0.05		3(a)	01	Resulting from consideration of methomyl supervised field trial data.
VP	0061	Beans, except broad bean and soya bean	1		3	01	Resulting from consideration of methomyl supervised field trial data.
VB	0040	Brassica vegetables	7		3(a)	01	Resulting from consideration of methomyl+thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VB	0041	Cabbages, Head	5		CXL	(1991)	To be replaced by MRL for Brassica vegetables (2001 JMPR)
VB	0404	Cauliflower	2		CXL	(1991)	To be replaced by MRL for Brassica vegetables (2001 JMPR)
VS	0624	Celery	2		CXL	(1991)	
VS	0624	Celery	3		3(a)	01	Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR).
FC	0001	Citrus fruits	1		CXL	(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
AB	0001	Citrus pulp, Dry	3		3	01	
VP	0526	Common bean (pods and/or immature seeds)	2		CXL	(1991)	
VP	0526	Common bean (pods and/or immature seeds)	1		3(a)	01	Resulting from consideration of methomyl supervised field trial data.
SO	0691	Cotton seed	0.5		CXL	(1991)	Based on thiodicarb use
SO	0691	Cotton seed	0.2		3(a)	01	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0691	Cotton seed oil, Edible	0.04		3	01	
VC	0424	Cucumber	0.2		CXL	(1991)	To be replaced with MRL for cucurbits, fruiting vegetables (2001 JMPR)
MO	0105	Edible offal (mammalian)	0.02	(*)	3	01	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VO	0440	Egg plant	0.2		CXL	01 (1991)	Withdrawal recommended (2001 JMPR)
PE	0112	Eggs	0.02	(*)	3	01	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VC	0045	Fruiting vegetables, Cucurbits	0.1		3(a)	01	Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake for watermelon would be below the acute RfD (2001 JMPR).

FB	0269	Grapes	5			CXL		(1991)	
FB	0269	Grapes	7			3(a)	01		Resulting from consideration of methomyl supervised field trial data. The information provided to theJMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
DH	1100	Hops, Dry	10			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VL	0480	Kale	5			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VL	0053	Leafy vegetables	30			3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VL	0482	Lettuce, Head	5			CXL		(1991)	To be replaced by MRL for leafy vegetables (2001 JMPR)
GC	0645	Maize	0.05	(*)		CXL			Based on thiodicarb use
GC	0645	Maize	0.02	(*)		3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS	0645	Maize fodder	50		fresh wt	CXL	01		Based on thiodicarb use Withdrawal recommended (2001 JMPR)
AF	0645	Maize forage	50		fresh wt	CXL			Based on thiodicarb use
AF	0645	Maize forage	50			3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0645	Maize oil, Edible	0.02	(*)		3	01		
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)		CXL		(1991)	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)		3(a)	01		Resulting from consideration of methomyl+thidicarb supervised field trial data.
VC	0046	Melons, except watermelon	0.2			CXL		(1991)	To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
ML	0106	Milks	0.02	(*)		CXL		(1991)	
ML	0106	Milks	0.02	(*)		3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
AM	0738	Mint hay	2			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FS	0245	Nectarine	5			CXL		(1991)	
FS	0245	Nectarine	0.2			3(a)	01		Resulting from consideration of methomyl supervised field trial data.
AS	0647	Oat straw and fodder, Dry	5			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
GC	0647	Oats	0.5			CXL		(1991)	
GC	0647	Oats	0.02	(*)		3(a)	01		Resulting from consideration of methomyl supervised field trial data.

VA	0385	Onion, Bulb	0.2			CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VA	0387	Onion, Welsh	0.5			CXL	01	(1991)	Withdawal recommended (2001 JMPR)
AL	0528	Pea vines (green)	10		fresh wt	CXL		(1991)	
AL	0528	Pea vines (green)	40			3(a)	01		Resulting from consideration of methomyl supervised field trial data.
FS	0247	Peach	5			CXL		(1991)	
FS	0247	Peach	0.2			3(a)	01		Resulting from consideration of methomyl supervised field trial data.
SO	0697	Peanut	0.1			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AL	1270	Peanut forage (green)	5			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FP	0230	Pear	0.3			3(a)	01		Resulting from consideration of methomyl supervised field trial data.
VP	0063	Peas (pods and succulent=immature seeds)	5			CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VP	0064	Peas, Shelled (succulent seeds)	0.5			CXL	01	(1991)	Withdawal recommended (2001 JMPR)
VO	0051	Peppers	1			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FI	0353	Pineapple	0.2			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
FS	0014	Plums (including prunes)	1			3	01		Resulting from consideration of methomyl supervised field trial data.
FP	0009	Pome fruits	2			CXL		(1991)	
VR	0589	Potato	0.1			CXL		(1991)	
VR	0589	Potato	0.02	(*)		3(a)	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PM	0110	Poultry meat	0.02	(*)		3	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PO	0111	Poultry, Edible offal of	0.02	(*)		3	01		Resulting from consideration of methomyl+thiodicarb supervised field trial data.
SO	0495	Rape seed	0.05			3	01		Resulting from consideration of thiodicarb supervised field trial data.
GC	0651	Sorghum	0.2			CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AF	0651	Sorghum forage (green)	1			CXL		(1991)	Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VD	0541	Soya bean (dry)	0.2			CXL			Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR)

VP	0541	Soya bean (immature seeds)	0.1	CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AL	0541	Soya bean fodder	0.2	3	01		Resulting from consideration of methomyl supervised field trial data.
AL	1265	Soya bean forage (green)	10	CXL		(1991)	
AL	1265	Soya bean forage (green)	40	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
OC	0541	Soya bean oil, Crude	0.2	3	01		
OR	0541	Soya bean oil, Refined	0.2	3	01		
VL	0502	Spinach	5	CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VC	0431	Squash, Summer	0.2	CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	10	3	01		Resulting from consideration of methomyo+thidicarb supervised field trial data.
VR	0596	Sugar beet	0.1	CXL	01	(1991)	Withdrawal recommended (2001 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	2	CXL		(1991)	Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VO	0448	Tomato	1	CXL		(1991)	Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
VC	0432	Watermelon	0.2	CXL		(1991)	To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
GC	0654	Wheat	0.5	CXL		(1991)	
GC	0654	Wheat	2	3(a)	01		Resulting from consideration of methomyl supervised field trial data.
CM	0654	Wheat bran, Unprocessed	3	3	01		
CF	1211	Wheat flour	0.03	3	01		
CF	1210	Wheat germ	2	3	01		
AS	0654	Wheat straw and fodder, Dry	5	CXL		(1991)	

95 ACEPHATE

Main Uses 8 INSECTICIDE
JMPR 76, 79R, 81R, 82T, 84, 87T, 88T, 90, 91, 94R, 96R, 02T'
ADI 0.01 mg/kg body weight (2002)
AcuteRfD 0.05 mg/kg body weight (2002)
RESIDUE Acephate (The metabolite O,S-dimethyl phosphoramidothioate is (100) methamidophos, which has separate MRLs).
Note Previous ADI: 0.03 mg/kg bw (1988; confirmed 1990).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	10	fresh wt	CXL			
VB 0400	Broccoli	2		CXL		(1999)	
VB 0041	Cabbages, Head	2		CXL		(1999)	
MF 0812	Cattle fat	0.1		CXL			
MM 0812	Cattle meat	0.1		CXL			
VB 0404	Cauliflower	2		CXL		(1999)	
SO 0691	Cotton seed	2		CXL			
PE 0112	Eggs	0.1		CXL			
VL 0482	Lettuce, Head	5		CXL			
ML 0106	Milks	0.1		CXL			
MF 0818	Pig fat	0.1		CXL			
MM 0818	Pig meat	0.1		CXL			
VR 0589	Potato	0.5		CXL			
PF 0111	Poultry fats	0.1		CXL			
PM 0110	Poultry meat	0.1		CXL			
VD 0541	Soya bean (dry)	0.5		CXL			
VR 0596	Sugar beet	0.1		CXL			
AV 0596	Sugar beet leaves or tops	10		CXL			
VO 0448	Tomato	1		CXL		(1999)	
FT 0312	Tree tomato	0.5		CXL			

96 CARBOFURAN

Main Uses 8 INSECTICIDE
JMPR 76, 79, 80T, 82T, 91R, 93R, 96T', 97R' (02)
ADI 0.002 mg/kg body weight (1996)
AcuteRfD 0.009 mg/kg body weight (2002)
RESIDUE Sum of carbofuran and 3-hydroxycarbofuran expressed as carbofuran.
Note The 1999 JMPR concluded that a group MRL for citrus fruits could not be recommended since there was no registered use of carbofuran on citrus fruits and there were registered uses for carbosulfan solely on oranges and mandarins.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	10			CXL		(1999)	
AL 1021	Alfalfa forage (green)	10			CXL		(2001)	
FI 0327	Banana	0.1	(*)		CXL			Confirmed (1997 JMPR).
VC 4199	Cantaloupe	0.2			6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
VR 0577	Carrot	0.5			CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
MF 0812	Cattle fat	0.05	(*)		CXL			Confirmed (1997 JMPR).
AB 0001	Citrus pulp, Dry	2			CXL		(2001)	Based on the use of carbosulfan.
SB 0716	Coffee beans	1			CXL		(1999)	
SO 0691	Cotton seed	0.1			3	02		
VC 0424	Cucumber	0.3			6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.05	(*)		CXL			Confirmed (1997 JMPR).
VO 0440	Egg plant	0.1	(*)		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
MF 0814	Goat fat	0.05	(*)		CXL			Confirmed (1997 JMPR).
MF 0816	Horse fat	0.05	(*)		CXL			Confirmed (1997 JMPR).
GC 0645	Maize	0.1	(*)		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
AS 0645	Maize fodder	5		fresh wt	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
FC 0206	Mandarin	0.5			6	99	33	Based on the use of carbosulfan.

MM	0096	Meat of cattle, goats, horses, pigs & sheep	0.05	(*)	CXL			Confirmed (1997 JMPR).
ML	0106	Milks	0.05	(*)	CXL			Confirmed (1997 JMPR).
GC	0647	Oats	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
SO	0088	Oilseed	0.1	(*)	CXL	97	31	Except sunflower seed Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VA	0385	Onion, Bulb	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
FC	0004	Oranges, Sweet, Sour	0.5		6	97	31, 32, 33	Based on the use of carbosulfan. Returned to Step 6 due to intake concerns (32.116)
MF	0818	Pig fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
VR	0589	Potato	0.1	(*)	CXL		(1999)	
SO	0495	Rape seed	0.05	(*)	3	02		
AS	0649	Rice straw and fodder, Dry	1		3	02		
CM	0649	Rice, Husked	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
CM	0649	Rice, Husked	0.1		3(a)	02		
MF	0822	Sheep fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
GC	0651	Sorghum	0.1	(*)	CXL			Confirmed (1997 & 1999 JMPR).
AF	0651	Sorghum forage (green)	2		CXL		(2001)	
AS	0651	Sorghum straw and fodder, Dry	0.5		CXL		(2001)	
VD	0541	Soya bean (dry)	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VC	0431	Squash, Summer	0.3		6	97	31, 32, 33	Returned to Step 6 due to intake concerns (32.116)
VR	0596	Sugar beet	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
AV	0596	Sugar beet leaves or tops	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
GS	0659	Sugar cane	0.1	(*)	CXL			Confirmed (1997 JMPR).
SO	0702	Sunflower seed	0.1	(*)	CXL		(1999)	
VO	0447	Sweet corn (corn-on-the-cob)	0.1		6	97	31, 32, 33	Confirmed (1999 JMPR). Returned to Step 6 due to intake concerns (32.116) . The 2002 JMPR confirmed the MRL at 0.1 mg/kg.

VO	1275 Sweet corn (kernels)	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
VO	0448 Tomato	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
GC	0654 Wheat	0.1	(*)	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)

100 METHAMIDOPHOS

Main Uses 8 INSECTICIDE

JMPR 76, 79R, 81R, 82, 84R, 85T, 89R, 90, 94R, 96R, 97R, 02T'

ADI 0.004 mg/kg body weight (1990; confirmed 2002)

AcuteRfD 0.01 mg/kg body weight (2002)

RESIDUE Methamidophos.
Methamidophos is a metabolite of (95) acephate for which separate MRLs are recommended.

Note The 30th CCPR noted that data on tomato were available and would be submitted. The new data might support a lower limit. (30.55). The CCPR-32 requested detailed information on support for methamidophos/acephate. The CCPR-33 should consider deletion of the MRLs for commodities not supported by the USA and EC (information to be provided before the CCPR-33)(32.117)
The CCPR-33 was informed that the MRLs for cucumber, cauliflower, cabbages, head, cotton seed, peach, peppers (chili and sweet), pome fruits, potato, soya bean (dry), sugar beet, sugar beet leaves or tops, tomato would be supported but those for Brussels sprouts, celery, hops (dry), lettuce, head, rapeseed, tree tomato, watermelon were no longer supported. CXLs for cattle fat and meat, sheep fat and meat, goat fat and meat, milks, alfalfa forage (green), lettuce, head, and tree tomato were retained for animal feed use and/or links to acephate uses. (33.140-141).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	2		CXL			Based on treatment with acephate.
VB 0041	Cabbages, Head	0.5		CXL		(1999)	Based on treatment with methamidophos or acephate.
MF 0812	Cattle fat	0.01	(*)	CXL			
MM 0812	Cattle meat	0.01	(*)	CXL			
VB 0404	Cauliflower	0.5		CXL		(1999)	Based on treatment with methamidophos or acephate.
SO 0691	Cotton seed	0.1		CXL		(1997)	Including residues resulting from the use of acephate.
VC 0424	Cucumber	1		CXL		(1991)	
MF 0814	Goat fat	0.01	(*)	CXL			
MM 0814	Goat meat	0.01	(*)	CXL			
VL 0482	Lettuce, Head	1		CXL		(1991)	
ML 0106	Milks	0.01	(*)	CXL			
FS 0247	Peach	1		6	96	30, 32, 33	Based on the residues from the use of methamidophos. Returned to Step 6 due to intake concerns (32.118)
VO 0444	Peppers, Chili	2		CXL		(1993)	
VO 0445	Peppers, Sweet	1		CXL		(1993)	
FP 0009	Pome fruits	0.5		6	94, 97	28, 29, 30, 31, 32, 33	Confirmed (1997 JMPR). Returned to Step 6 due to intake concerns (32.118)
VR 0589	Potato	0.05		CXL		(1997)	Including residues resulting from the use of acephate.

MF	0822	Sheep fat	0.01	(*)	CXL			
MM	0822	Sheep meat	0.01	(*)	CXL			
VD	0541	Soya bean (dry)	0.05		CXL		(1991)	Based on treatment with acephate.
VR	0596	Sugar beet	0.05		CXL		(1991)	
AV	0596	Sugar beet leaves or tops	1		CXL		(1991)	
VO	0448	Tomato	1		6	96	30, 32, 33	Based on residues from the use of methamidophos or acephate. Returned to Step 6 due to intake concerns (32.118)
FT	0312	Tree tomato	0.01	(*)	CXL			Based on treatment with acephate.

101 PIRIMICARB

Main Uses 2 APHICIDE

JMPR 76, 78, 79R, 81, 82T, 85R

ADI 0.02 mg/kg body weight (1982)

RESIDUE Sum of pirimicarb, demethyl-pirimicarb and N-formyl-(methylamino) analogue (dimethyl-formamido-pirimicarb).

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL	1020	Alfalfa fodder	20		dry wt	CXL			
AL	1021	Alfalfa forage (green)	50		dry wt	CXL			
GC	0640	Barley	0.05	(*)		CXL			
VP	0062	Beans, Shelled	0.1			CXL			
VR	0574	Beetroot	0.05	(*)		CXL			
VB	0400	Broccoli	1			CXL			
VB	0402	Brussels sprouts	1			CXL			
VB	0041	Cabbages, Head	1			CXL			
VB	0404	Cauliflower	1			CXL			
VS	0624	Celery	1			CXL			
FC	0001	Citrus fruits	0.05	(*)		CXL			Except oranges.
VP	0526	Common bean (pods and/or immature seeds)	1			CXL			
SO	0691	Cotton seed	0.05	(*)		CXL			
VC	0424	Cucumber	1			CXL			
FB	0278	Currant, Black	0.5			CXL			
VO	0440	Egg plant	1			CXL			
PE	0112	Eggs	0.05	(*)		CXL			
VL	0476	Endive	1			CXL			
VC	0425	Gherkin	1			CXL			
VB	0405	Kohlrabi	0.5			CXL			
VA	0384	Leek	0.5			CXL			
VL	0482	Lettuce, Head	1			CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		CXL			

ML	0106	Milks	0.05	(*)	CXL
GC	0647	Oats	0.05	(*)	CXL
VA	0385	Onion, Bulb	0.5		CXL
FC	0004	Oranges, Sweet, Sour	0.5		CXL
HH	0740	Parsley	1		CXL
VR	0588	Parsnip	0.05	(*)	CXL
FS	0247	Peach	0.5		CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.2		CXL
TN	0672	Pecan	0.05	(*)	CXL
VO	0444	Peppers, Chili	2		CXL
VO	0445	Peppers, Sweet	1		CXL
FS	0014	Plums (including prunes)	0.5		CXL
FP	0009	Pome fruits	1		CXL
VR	0589	Potato	0.05	(*)	CXL
VR	0494	Radish	0.05	(*)	CXL
SO	0495	Rape seed	0.2		CXL
FB	0272	Raspberries, Red, Black	0.5		CXL
VL	0502	Spinach	1		CXL
FB	0275	Strawberry	0.5		CXL
VR	0596	Sugar beet	0.05	(*)	CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL
VO	0448	Tomato	1		CXL
VR	0506	Turnip, Garden	0.05	(*)	CXL
VL	0473	Watercress	1		CXL
GC	0654	Wheat	0.05	(*)	CXL

102 MALEIC HYDRAZIDE

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 76, 77, 80T, 84, 96T', 98R'
ADI 0.3 mg/kg body weight (1996)
RESIDUE Maleic hydrazide.
Note The 1998 JMPR changed the residue definition.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VA 0381	Garlic	15	CXL		(2001)	
VA 0385	Onion, Bulb	15	CXL			Confirmed (1998 JMPR).
VR 0589	Potato	50	CXL			Confirmed (1998 JMPR).
VA 0388	Shallot	15	CXL		(2001)	

103 PHOSMET

Main Uses 8 INSECTICIDE
JMPR 76R, 78, 79, 81R, 84R, 85R, 86R, 88R, 94T', 97R', 98T, 02R
ADI 0.01 mg/kg body weight (1994; confirmed 1998)
AcuteRfD 0.02 mg/kg body weight (1998)
RESIDUE Phosmet.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	10	CXL	97	31	Confirmed (1997 JMPR). To be replaced by the MRL for pome fruits (2002 JMPR).
FS 0240	Apricot	5	CXL			
FS 0240	Apricot	10	6(a)	97	31, 32, 33	Returned to current Step
FB 0020	Blueberries	10	CXL	97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
FB 0020	Blueberries	15	3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC 0001	Citrus fruits	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
FC 0001	Citrus fruits	3	3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
SO 0691	Cotton seed	0.05	CXL		(2001)	
FB 0269	Grapes	10	CXL			Confirmed (1997 JMPR).
FS 0245	Nectarine	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (31.119)
FS 0245	Nectarine	10	3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FS 0247	Peach	10	CXL		31	Confirmed (1997 JMPR).

FP	0230 Pear	10		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119). To be replaced by the MRL for pome fruits.
FP	0009 Pome fruits	10		3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VR	0589 Potato	0.05	(*)	CXL		(2001)	
TN	0085 Tree nuts	0.1		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
TN	0085 Tree nuts	0.2		3(a)	02		

105 DITHIOCARBAMATES

Main Uses 5 FUNGICIDE

JMPR 65T, 67, 70, 74, 77, 83R, 84R, 85R, 87T, 88R, 90R, 92T, 93', 95R, 96' (02R)

ADI (1)

RESIDUE Total dithiocarbamates, determined as CS2, evolved during acid digestion and expressed as mg CS2/kg.
The MRLs apply to total residues from the use of any or each of the groups of dithiocarbamates.
(1) Group ADI: ferbam & ziram, 0.003 mg/kg bw (1996); thiram, 0.01 mg/kg bw (1992); mancozeb, maneb, metiram & zineb, 0.03 mg/kg bw (alone or in any combination)(1993); propineb, 0.007 mg/kg bw (1993)

Note Based on trials with; n, maneb; m, metiram; c, mancozeb; p, propineb; h, thiram, z, ziram. Compounds marked in upper case are those on which estimates of MRLs are mainly based.
((a) Dimethyldithiocarbamates resulting from the use of ferbam or ziram. (b) Ethylenebis(dithiocarbamate)s resulting from the use of mancozeb, maneb or zineb (including zineb derived from nabam plus zinc sulphate)).
The 1995 JMPR changed the expression of residue definition.
Propineb: scheduled for Periodic Review (residues) by the 2003 JMPR.
The draft MRLs were returned to Step 6 pending evaluation of ferbam, thiram and ziram by the 1996 JMPR (28.60).
The 29th CCPR requested the JMPR to examine whether it was appropriate to use the toxicological correction factors for all dithiocarbamates for the purpose of exposure assessment, since some of them are ETU (or PTU) formers and others are not (29.62).
The 30th CCPR noted that additional residue trials data on banana, barley, barley straw and fodder, cabbages, head, lettuce, maize fodder, papaya and pepper would be made available to the 1999 JMPR and suggested that data on melons and cucumber could be used to support pumpkins (30.62).
The Committee was informed that EBDC (mancozeb/maneb) trial data on apple, asparagus, banana, barley, beans, broccoli, head cabbages, cauliflower, celery, cucumber, dry beans, grapes, hops (dry), leek, head lettuce, maize, maize fodder, rapeseed oil, rye, sweet peppers, summer squash, sugar beet, sweet corn (corn-on-the-cob), tomato and wheat would be submitted to the JMPR for evaluation in 2002 (31.83).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AM 0660	Almond hulls	20		N,z	CXL		(1999)	Source of data: maneb, ziram
TN 0660	Almonds	0.1	(*)	N, Z	CXL		(1999)	Source of data: maneb, ziram
VS 0621	Asparagus	0.1		c	CXL		(1999)	Source of data: mancozeb
FI 0327	Banana	2		c	CXL		(1999)	Source of data: mancozeb
GC 0640	Barley	1		c	CXL		(1999)	Source of data: mancozeb
AS 0640	Barley straw and fodder, Dry	25		C, n	CXL		(1999)	Source of data: mancozeb, maneb
VB 0041	Cabbages, Head	5		c, N	CXL		(1999)	Source of data: maneb, mancozeb
VR 0577	Carrot	1		c	CXL		(1999)	Source of data: mancozeb
VL 0510	Cos lettuce	10		n	CXL		(1999)	Source of data: maneb
FB 0265	Cranberry	5		c	CXL		(1999)	Source of data: mancozeb
VC 0424	Cucumber	2		c, N	CXL		(1999)	Source of data: maneb, mancozeb
FB 0021	Currants, Black, Red, White	10		C, m	CXL		(1999)	Source of data: mancozeb, metiram

MO	0105	Edible offal (mammalian)	0.1			C, m	CXL	(1999)	Source of data: mancozeb, metiram
PE	0112	Eggs	0.05	(*)		c	CXL	(1999)	Source of data: mancozeb
VA	0381	Garlic	0.5			c	CXL	(1999)	Source of data: mancozeb
FB	0269	Grapes	5			C, m, n, p	CXL		Source of data: mancozeb, metiram, maneb, propineb Confirmed (1993 JMPR)
DH	1100	Hops, Dry	30			m	CXL	(1999)	Source of data: metiram
VL	0480	Kale	15			c, N	CXL	(1999)	Source of data: maneb, mancozeb
VA	0384	Leek	0.5			c	CXL	(1999)	Source of data: mancozeb
VL	0482	Lettuce, Head	10			C, N, m	CXL	(1999)	Source of data: mancozeb, maneb, metiram
AS	0645	Maize fodder	2			c	CXL	(1999)	Source of data: mancozeb
FC	0003	Mandarins	10			c	CXL	(1999)	Source of data: mancozeb
FI	0345	Mango	2			c	CXL	(1999)	Source of data: mancozeb
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		c, m	CXL	(1999)	Source of data: mancozeb, metiram
VC	0046	Melons, except watermelon	0.5			C, p	CXL	(1999)	Source of data: mancozeb, propineb
ML	0106	Milks	0.05	(*)		c, m	CXL	(1999)	Source of data: mancozeb, metiram
VA	0385	Onion, Bulb	0.5			C, p	CXL	(1999)	Source of data: mancozeb, propineb
FC	0004	Oranges, Sweet, Sour	2			c	CXL	(1999)	Source of data: mancozeb
FI	0350	Papaya	5			c	CXL	(1999)	Source of data: mancozeb
SO	0697	Peanut	0.1	(*)		c	CXL	(1999)	Source of data: mancozeb
AL	0697	Peanut fodder	5			c	CXL	(1999)	Source of data: mancozeb
TN	0672	Pecan	0.1	(*)	T	Z	CXL	(2001)	Source of data: ziram
VO	0445	Peppers, Sweet	1			c, n	CXL	(1999)	Source of data: mancozeb, maneb
FP	0009	Pome fruits	5			C, M, p, H, Z	CXL	(1999)	Source of data: mancozeb, metiram, thiram, ziram, propineb
VR	0589	Potato	0.2			c, m, n, p	CXL	(1999)	Source of data: mancozeb, maneb, metiram
PM	0110	Poultry meat	0.1			c	CXL	(1999)	Source of data: mancozeb
PO	0111	Poultry, Edible offal of	0.1			c	CXL	(1999)	Source of data: mancozeb
VC	0429	Pumpkins	0.2			c	CXL	(1999)	Source of data: mancozeb
VA	0389	Spring onion	10			n	CXL	(1999)	Source of data: maneb
VC	0431	Squash, Summer	1			c	CXL	(1999)	Source of data: mancozeb
FS	0012	Stone fruits	7		T	h, Z	CXL	(2001)	Source of data: thiram, ziram

FB	0275	Strawberry	5	H	CXL	(2001)	Source of data: thiram
VR	0596	Sugar beet	0.5	C, n	CXL	(1999)	Source of data: mancozeb, maneb
AV	0596	Sugar beet leaves or tops	20	C, n	CXL	(1999)	Source of data: mancozeb, maneb
VO	0447	Sweet corn (corn-on-the-cob)	0.1 (*)	c	CXL	(1999)	Source of data: mancozeb
VO	0448	Tomato	5	C, m, n, p	CXL	(1999)	Source of data: mancozeb, metiram, maneb, propineb
VC	0432	Watermelon	1	c, N	CXL	(1999)	Source of data: maneb, mancozeb
GC	0654	Wheat	1	C, n, m	CXL	(1999)	Source of data: mancozeb, maneb, metiram
AS	0654	Wheat straw and fodder, Dry	25	C, n, m	CXL	(1999)	Source of data: mancozeb, maneb, metiram
VC	0433	Winter squash	0.1	c	CXL	(1999)	Source of data: mancozeb

106 ETHEPHON

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 77, 78, 83R, 85R, 93T, 94R', 95T, 97T, 99R (02T)
ADI 0.05 mg/kg body weight (1993; confirmed 1995, 1997)
AcuteRfD 0.05 mg/kg body weight (2002)
RESIDUE Ethephon.
Note Before the establishment of an ADI in 1993, the CCPR was considering guideline levels.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	5		CXL		(1997)	
GC 0640	Barley	1		CXL		(1997)	
AS 0640	Barley straw and fodder, Dry	5		CXL		(1997)	
FB 0020	Blueberries	20		CXL		(1997)	
VC 4199	Cantaloupe	1		CXL		(2001)	
FS 0013	Cherries	10		CXL		(1997)	
PE 0840	Chicken eggs	0.2	(*)	CXL		(1997)	
SO 0691	Cotton seed	2		CXL		(1997)	
DF 0269	Dried grapes (=currants, raisins and sultanas)	5		6	99	33	Returned to current Step
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.2	(*)	CXL		(1997)	
DF 0297	Figs, Dried or dried and candied	10		CXL		(1997)	
FB 0269	Grapes	1		CXL		(2001)	
TN 0666	Hazelnuts	0.2		CXL		(1997)	
MM 0096	Meat of cattle, goats, horses, pigs & sheep	0.1	(*)	CXL		(1997)	
ML 0107	Milk of cattle, goats & sheep	0.05	(*)	CXL		(1997)	
VO 0051	Peppers	5		CXL		(2001)	
FI 0353	Pineapple	2		CXL		(2001)	
PM 0110	Poultry meat	0.1	(*)	CXL		(1997)	
PO 0111	Poultry, Edible offal of	0.2	(*)	CXL		(1997)	

GC	0650 Rye	1	CXL	(1997)
AS	0650 Rye straw and fodder, Dry	5	CXL	(1997)
VO	0448 Tomato	2	CXL	(2001)
TN	0678 Walnuts	0.5	CXL	(1997)
GC	0654 Wheat	1	CXL	(1997)
AS	0654 Wheat straw and fodder, Dry	5	CXL	(1997)

109 FENBUTATIN OXIDE

Main Uses 1 ACARICIDE
JMPR 77, 79R, 92T, 93R'
ADI 0.03 mg/kg body weight (1977 ;confirmed 1992)
RESIDUE Fenbutatin oxide.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN	0660	Almonds	0.5		CXL		(1995)	
AB	0226	Apple pomace, Dry	40		CXL		(1995)	
FI	0327	Banana	10		CXL		(1997)	
FS	0013	Cherries	10		CXL		(1997)	
PM	0840	Chicken meat	0.05	(*)	CXL		(1995)	
PO	0840	Chicken, Edible offal of	0.05	(*)	CXL		(1995)	
FC	0001	Citrus fruits	5		CXL			
AB	0001	Citrus pulp, Dry	25		CXL		(1995)	
VC	0424	Cucumber	0.5		CXL		(1995)	
MO	0105	Edible offal (mammalian)	0.2		CXL		(1997)	
PE	0112	Eggs	0.05		CXL		(1995)	
AB	0269	Grape pomace, Dry	100		CXL		(1995)	
FB	0269	Grapes	5		CXL			Confirmed (1993 JMPR).
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1995)	
ML	0106	Milks	0.05	(*)	CXL		(1995)	
FS	0247	Peach	7		CXL			Confirmed (1993 JMPR).
TN	0672	Pecan	0.5		CXL		(1995)	
FS	0014	Plums (including prunes)	3		CXL			Confirmed (1993 JMPR).
FP	0009	Pome fruits	5		CXL		(1995)	
DF	0014	Prunes	10		CXL		(1997)	
DF	5263	Raisins	20		CXL		(1997)	
FB	0275	Strawberry	10		CXL		(1995)	
VO	0448	Tomato	1		CXL			Confirmed (1993 JMPR).
TN	0678	Walnuts	0.5		CXL		(1997)	

110 IMAZALIL

Main Uses 5 FUNGICIDE
JMPR 77, 80, 84, 85, 86T, 88R, 89R, 91T, 94R, 00T', 01T
ADI 0.03 mg/kg body weight (1991; confirmed 2000, 2001)
RESIDUE Imazalil.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI	0327	Banana	2	Po	CXL			
FC	0001	Citrus fruits	5	Po	CXL			
VC	0424	Cucumber	0.5		CXL			
VC	0425	Gherkin	0.5		CXL			
VC	0046	Melons, except watermelon	2	Po	CXL		(1997)	
FT	0307	Persimmon, Japanese	2	Po	CXL			
FP	0009	Pome fruits	5	Po	CXL			
VR	0589	Potato	5	Po	CXL		(1991)	
FB	0272	Raspberries, Red, Black	2		CXL			
FB	0275	Strawberry	2		CXL			
GC	0654	Wheat	0.01	(*)	CXL			
AS	0654	Wheat straw and fodder, Dry	0.1		CXL			

111 IPRODIONE

Main Uses 5 FUNGICIDE
JMPR 77, 80R, 92T, 94R', 95T, 01R
ADI 0.06 mg/kg body weight (1995)
RESIDUE Iprodione.
Note Acute RfD may be necessary but has not been established (2001 JMPR).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN 0660	Almonds	0.2		CXL		(1997)	
GC 0640	Barley	2		CXL		(1997)	
VD 0071	Beans (dry)	0.1		CXL		(1997)	
FB 0264	Blackberries	30		CXL		(1997)	
VB 0400	Broccoli	25		CXL		(1997)	
VR 0577	Carrot	10	Po	CXL		(1997)	
FS 0013	Cherries	10		CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	2		CXL		(1997)	
VC 0424	Cucumber	2		CXL		(1997)	
FB 0269	Grapes	10		CXL			Confirmed (1994 JMPR).
FI 0341	Kiwifruit	5		CXL			Confirmed (1994 JMPR).
VL 0482	Lettuce, Head	10		CXL			Confirmed (1994 JMPR).
VL 0483	Lettuce, Leaf	25		CXL		(1997)	
VA 0385	Onion, Bulb	0.2		CXL		(1997)	
FS 0247	Peach	10		CXL		(1997)	
FP 0009	Pome fruits	5	Po	CXL		(1997)	
SO 0495	Rape seed	0.5		CXL		(1997)	
FB 0272	Raspberries, Red, Black	30		CXL		(1997)	
CM 0649	Rice, Husked	10		CXL		(1997)	
FB 0275	Strawberry	10		CXL			Confirmed (1994 JMPR).
VR 0596	Sugar beet	0.1	(*)	CXL		(1997)	
SO 0702	Sunflower seed	0.5		CXL		(1997)	

VO	0448 Tomato	5	CXL	94, 01	28, 29, 30, 31	Retained for 4 years under the Periodic Review Procedure (28.65). Retained beyond the 4-year period as new indoor trials were being conducted and would be available for review by 2000 subject to scheduling for JMPR evaluation (31.86) The CCPR-32 agreed to retain the MRL further in view of residue evaluation by the 2001 JMPR (32.122). Confirmed (2001 JMPR).
VS	0469 Witloof chicory (sprouts)	1	CXL			Confirmed (1994 JMPR).

112 PHORATE

Main Uses 8 INSECTICIDE

JMPR 77, 82T, 83T, 84R, 85T, 90R, 91R, 92R, 93R, 94T, 96T (03T')(04R')

ADI 0.0005 mg/kg body weight (1994; confirmed 1996)

RESIDUE Sum of phorate, its oxygen analogue, and their sulphoxides and sulphones, expressed as phorate.

Note The CCPR-30 requested priority scheduling of a full review of the compound because of acute intake concern (30.66-67). Support for Periodic Review noted (32.123)

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
VP	0526	Common bean (pods and/or immature seeds)	0.1			CXL			
SO	0691	Cotton seed	0.05			CXL			
PE	0112	Eggs	0.05	(*)		CXL			
AM	1051	Fodder beet	0.05			CXL			
GC	0645	Maize	0.05	(*)		CXL		(1995)	
AS	0645	Maize fodder	0.2		fresh wt	CXL		(1991)	
AF	0645	Maize forage	0.2		fresh wt	CXL		(1993)	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		CXL			
ML	0106	Milks	0.05	(*)		CXL		(1991)	
SO	0697	Peanut	0.1			CXL		(1993)	
OC	0697	Peanut oil, Crude	0.05	(*)		CXL		(1993)	
OR	0697	Peanut oil, Edible	0.05	(*)		CXL		(1993)	
VR	0589	Potato	0.2			CXL		(1999)	
GC	0651	Sorghum	0.05			CXL			
VD	0541	Soya bean (dry)	0.05			CXL			
VR	0596	Sugar beet	0.05			CXL		(1991)	
AV	0596	Sugar beet leaves or tops	1			CXL		(1991)	
VO	0447	Sweet corn (corn-on-the-cob)	0.05			CXL		(1995)	
GC	0654	Wheat	0.05			CXL			

113 PROPARGITE

Main Uses 1 ACARICIDE
JMPR 77, 78R, 79R, 80, 82, 99T', 02R'
ADI 0.01 mg/kg body weight (1999)
RESIDUE Propargite (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	75		CXL	02		Withdrawal recommended (2002 JMPR).
AL 1021	Alfalfa forage (green)	50		CXL	02		Withdrawal recommended (2002 JMPR).
AM 0660	Almond hulls	50		3	02		
TN 0660	Almonds	0.1	(*)	CXL			
TN 0660	Almonds	0.1	(*)	3(a)	02		
FP 0226	Apple	5		CXL			
FP 0226	Apple	3		3(a)	02		
JF 0226	Apple juice	0.2		3	02		
AB 0226	Apple pomace, Dry	80		CXL	02		Withdrawal recommended (2002 JMPR).
FS 0240	Apricot	7		CXL			To be replaced by the MRL for stone fruits (2002 JMPR).
VD 0071	Beans (dry)	0.2		CXL	02		Withdrawal recommended (2002 JMPR).
FC 0001	Citrus fruits	5		CXL			
FC 0001	Citrus fruits	3		3(a)	02		
AB 0001	Citrus pulp, Dry	40		CXL			
AB 0001	Citrus pulp, Dry	10		3(a)	02		
VP 0526	Common bean (pods and/or immature seeds)	20		CXL	02		Withdrawal recommended (2002 JMPR).
SO 0691	Cotton seed	0.1	(*)	CXL			
SO 0691	Cotton seed	0.1		3(a)	02		
OR 0691	Cotton seed oil, Edible	0.2		3	02		
FB 0265	Cranberry	10		CXL	02		Withdrawal recommended (2002 JMPR).
VC 0424	Cucumber	0.5		CXL	02		Withdrawal recommended (2002 JMPR).
DF 0269	Dried grapes (=currants, raisins and sultanas)	10		CXL			

DF	0269	Dried grapes (=currants, raisins and sultanas)	12			3(a)	02	
MO	0105	Edible offal (mammalian)	0.1	(*)		3	02	
PE	0112	Eggs	0.1			CXL		
PE	0112	Eggs	0.1	(*)		3(a)	02	
FT	0297	Fig	2			CXL	02	Withdrawal recommended (2002 JMPR).
JF	0269	Grape juice	1			3	02	
AB	0269	Grape pomace, Dry	40			CXL	02	Confirmed (2002 JMPR)
FB	0269	Grapes	10			CXL		
FB	0269	Grapes	7			3(a)	02	
DH	1100	Hops, Dry	30			CXL		
DH	1100	Hops, Dry	100			3(a)	02	
GC	0645	Maize	0.1	(*)		CXL	02	Confirmed (2002 JMPR)
CF	1255	Maize flour	0.2			3	02	
AS	0645	Maize fodder	10			CXL	02	Withdrawal recommended (2002 JMPR).
AF	0645	Maize forage	10			CXL	02	Withdrawal recommended (2002 JMPR).
OC	0645	Maize oil, Crude	0.7			3	02	
OR	0645	Maize oil, Edible	0.5			3	02	
MM	0095	Meat (from mammals other than marine mammals)	0.1		(fat)	CXL		
MM	0095	Meat (from mammals other than marine mammals)	0.1	(*)	(fat)	3(a)	02	
ML	0106	Milks	0.1		F	CXL		
ML	0106	Milks	0.1	(*)	F	3(a)	02	
AM	0738	Mint hay	50			CXL	02	Withdrawal recommended (2002 JMPR).
FS	0245	Nectarine	7			CXL		To be replaced by the MRL for stone fruits (2002 JMPR).
JF	0004	Orange juice	0.3			3	02	
FS	0247	Peach	7			CXL		To be replaced by the MRL for stone fruits (2002 JMPR).
SO	0697	Peanut	0.1	(*)		CXL	02	Confirmed (2002 JMPR)
AL	0697	Peanut fodder	10			CXL	02	Withdrawal recommended (2002 JMPR).
AL	1270	Peanut forage (green)	10		fresh wt	CXL	02	Withdrawal recommended (2002 JMPR).
OC	0697	Peanut oil, Crude	0.3			3	02	
OR	0697	Peanut oil, Edible	0.3			3	02	

FP	0230	Pear	5			CXL	02	Withdrawal recommended (2002 JMPR).
FS	0014	Plums (including prunes)	7			CXL		To be replaced by the MRL for stone fruits (2002 JMPR)
VR	0589	Potato	0.1	(*)		CXL	02	Withdrawal recommended (2002 JMPR).
PM	0110	Poultry meat	0.1		(fat)	CXL		
PM	0110	Poultry meat	0.1	(*)	(fat)	3(a)	02	
PO	0111	Poultry, Edible offal of	0.1	(*)		3	02	
GC	0651	Sorghum	5			CXL	02	Withdrawal recommended (2002 JMPR).
AF	0651	Sorghum forage (green)	10		fresh wt	CXL	02	Withdrawal recommended (2002 JMPR).
AS	0651	Sorghum straw and fodder, Dry	10			CXL	02	Withdrawal recommended (2002 JMPR).
FS	0012	Stone fruits	4			3(a)	02	
FB	0275	Strawberry	7			CXL	02	Withdrawal recommended (2002 JMPR).
DT	1114	Tea, Green, Black	10			CXL		
DT	1114	Tea, Green, Black	5			3(a)	02	
VO	0448	Tomato	2			CXL	02	Confirmed (2002 JMPR).
TN	0678	Walnuts	0.1	(*)		CXL	02	Withdrawal recommended (2002 JMPR).

115 TECNAZENE

Main Uses 5 FUNGICIDE
JMPR 74, 78, 81R, 83T, 87R, 89R, 94
ADI 0.02 mg/kg body weight (1994)
RESIDUE Tecnazene.

	Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VR	0589	Potato	20	Po	CXL		(1997)	Washed before analysis.

116 TRIFORINE

Main Uses 5 FUNGICIDE
JMPR 77T, 78, 97T' (04R')
ADI 0.02 mg/kg body weight (1978; confirmed 1997)
RESIDUE Determined as chloral hydrate and expressed as triforine.
Note The MRLs for all commodities, except tree tomato, will be supported (32.124).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	2		CXL			
FB 0020	Blueberries	1		CXL			
VB 0402	Brussels sprouts	0.2		CXL			
GC 0080	Cereal grains	0.1		CXL			
FS 0013	Cherries	2		CXL			
VP 0526	Common bean (pods and/or immature seeds)	1		CXL			
FB 0021	Currants, Black, Red, White	1		CXL			
VC 0045	Fruiting vegetables, Cucurbits	0.5		CXL			
FB 0268	Gooseberry	1		CXL			
FS 0247	Peach	5	Po	CXL			
FS 0014	Plums (including prunes)	2		CXL			
FB 0275	Strawberry	1		CXL			
VO 0448	Tomato	0.5		CXL			

117 ALDICARB

Main Uses 8 INSECTICIDE
JMPR 79, 82, 85R, 88R, 90R, 92T, 93R, 94R', 95T, 96R, 01R
ADI 0.003 mg/kg body weight (1992)
AcuteRfD 0.003 mg/kg body weight (1995)
RESIDUE Plant commodities: Sum of aldicarb, aldicarb sulphoxide and aldicarb sulphone, expressed as aldicarb.
Note The CCPR-30 was informed that an example of a probabilistic method for estimating acute dietary intake would be provided to the JMPR (30.69).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FI 0327	Banana	0.2			3	01		
GC 0640	Barley	0.02			CXL		(1997)	
AS 0640	Barley straw and fodder, Dry	0.05			CXL		(1997)	
VD 0071	Beans (dry)	0.1			CXL			Confirmed (1994 JMPR).
VB 0402	Brussels sprouts	0.1			CXL		(1997)	
FC 0001	Citrus fruits	0.2			CXL		(1991)	Confirmed (1994 JMPR).
SB 0716	Coffee beans	0.1			CXL			Confirmed (1994 JMPR).
SO 0691	Cotton seed	0.1			CXL			Confirmed (1994 JMPR).
OR 0691	Cotton seed oil, Edible	0.01	(*)		CXL		(1997)	
FB 0269	Grapes	0.2			CXL		(1997)	
GC 0645	Maize	0.05			CXL			Confirmed (1994 JMPR).
AS 0645	Maize fodder	0.5			CXL		(1997)	
AF 0645	Maize forage	0.5			CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.01	(*)		CXL			Confirmed (1994 JMPR).
ML 0106	Milks	0.01	(*)		CXL			Confirmed (1994 JMPR).
VA 0385	Onion, Bulb	0.1			CXL		(1997)	
SO 0697	Peanut	0.02			CXL		(1997)	
OR 0697	Peanut oil, Edible	0.01	(*)		CXL		(1997)	
TN 0672	Pecan	1			CXL		(1997)	
VR 0589	Potato	0.5		T	CXL		(1995)	
VR 0589	Potato	0.5			6(a)	96, 01	30, 32, 33	The 1996 JMPR converted the previous temporary status to full status. Confirmed (2001 JMPR).

GC	0651	Sorghum	0.1		CXL	(1997)	
AS	0651	Sorghum straw and fodder, Dry	0.5		CXL		Confirmed (1994 JMPR).
VD	0541	Soya bean (dry)	0.02	(*)	CXL		Confirmed (1994 JMPR).
VR	0596	Sugar beet	0.05	(*)	CXL		Confirmed (1994 JMPR).
AV	0596	Sugar beet leaves or tops	1		CXL		Confirmed (1994 JMPR).
GS	0659	Sugar cane	0.1		CXL	(1997)	
SO	0702	Sunflower seed	0.05	(*)	CXL	(1997)	
VR	0508	Sweet potato	0.1		CXL		Confirmed (1994 JMPR).
GC	0654	Wheat	0.02		CXL	(1997)	
AS	0654	Wheat straw and fodder, Dry	0.05		CXL	(1997)	

118 CYPERMETHRIN

Main Uses 8 INSECTICIDE

JMPR 79, 81, 82R, 83R, 84R, 85R, 86R, 88R, 90R (04R')

ADI 0.05 mg/kg body weight (1981; confirmed by JECFA in 1996)

RESIDUE Cypermethrin (sum of isomers) (fat-soluble).

Note Cypermethrin and alpha-cypermethrin have been evaluated by JECFA at its 47th (1996) and 54th (2000) meetings. The 47th JECFA proposed a number of temporary MRLs for these substances arising from their veterinary uses, which were advanced by the CCRVDF to Step 8. The CAC-23 agreed to hold them at Step 8 and requested the JMPR/CCPR and JECFA/CCRVDF to work on harmonization. The CCRVDF-12 (2000) agreed to withdraw these temporary MRLs in accordance with the recommendation of the 54th JECFA which did not extend these temporary MRLs as data required had not been submitted.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	5		dry wt	CXL			
GC 0640	Barley	0.5			CXL			
VP 0062	Beans, Shelled	0.05	(*)		CXL			
FB 0018	Berries and other small fruits	0.5			CXL		(1991)	
VB 0040	Brassica vegetables	1			CXL			
FS 0013	Cherries	1			CXL			
FC 0001	Citrus fruits	2			CXL			
SB 0716	Coffee beans	0.05	(*)		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.5			CXL			
VC 0424	Cucumber	0.2			CXL			
MO 0105	Edible offal (mammalian)	0.05	(*)		CXL			The MRL accommodates external animal treatment.
VO 0440	Egg plant	0.2			CXL			
PE 0112	Eggs	0.05	(*)		CXL			
VL 0480	Kale	1			CXL			
VA 0384	Leek	0.5			CXL			
VL 0482	Lettuce, Head	2			CXL			
GC 0645	Maize	0.05	(*)		CXL			
AS 0645	Maize fodder	5		dry wt	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.2	(fat)		CXL			The MRL accommodates external animal treatment.
ML 0106	Milks	0.05	F		CXL			The MRL accommodates external animal treatment.

VO	0450	Mushrooms	0.05	(*)	CXL
FS	0245	Nectarine	2		CXL
SO	0089	Oilseed, except peanut	0.2		CXL
VA	0385	Onion, Bulb	0.1		CXL
FS	0247	Peach	2		CXL
SO	0697	Peanut	0.05	(*)	CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL
VO	0051	Peppers	0.5		CXL
FS	0014	Plums (including prunes)	1		CXL
FP	0009	Pome fruits	2		CXL
PM	0110	Poultry meat	0.05	(*)	CXL
VR	0075	Root and tuber vegetables	0.05	(*)	CXL
AS	0651	Sorghum straw and fodder, Dry	5		CXL
VD	0541	Soya bean (dry)	0.05	(*)	CXL
VL	0502	Spinach	2		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL
DT	1114	Tea, Green, Black	20		CXL
VO	0448	Tomato	0.5		CXL
OR	0172	Vegetable oils, Edible	0.5		CXL
GC	0654	Wheat	0.2		CXL
AS	0654	Wheat straw and fodder, Dry	5		CXL

119 FENVALERATE

Main Uses 8 INSECTICIDE
JMPR 79, 81, 82T, 84, 85R, 86, 88R, 90R
ADI 0.02 mg/kg body weight (1986)
RESIDUE Fenvalerate (fat-soluble).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL	1020	Alfalfa fodder	20	dry wt	CXL			
VP	0061	Beans, except broad bean and soya bean	1		CXL			
VP	0062	Beans, Shelled	0.1		CXL			
FB	0018	Berries and other small fruits	1		CXL			
VB	0400	Broccoli	2		CXL			
VB	0402	Brussels sprouts	2		CXL		(1991)	
VB	0041	Cabbages, Head	3		CXL			
VB	0404	Cauliflower	2		CXL			
VS	0624	Celery	2		CXL			
GC	0080	Cereal grains	2	Po	CXL			
FS	0013	Cherries	2		CXL			
VL	0466	Chinese cabbage (type pak-choi)	1		CXL			
FC	0001	Citrus fruits	2		CXL			
SO	0691	Cotton seed	0.2		CXL			
OC	0691	Cotton seed oil, Crude	0.1		CXL			
OR	0691	Cotton seed oil, Edible	0.1		CXL			
VC	0424	Cucumber	0.2		CXL			
MO	0105	Edible offal (mammalian)	0.02		CXL			
VL	0480	Kale	10		CXL			
FI	0341	Kiwifruit	5		CXL			
VL	0482	Lettuce, Head	2		CXL			
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)	CXL			

VC	0046	Melons, except watermelon	0.2		CXL
ML	0106	Milks	0.1	F	CXL
FS	0247	Peach	5		CXL
SO	0703	Peanut, Whole	0.1		CXL
VP	0064	Peas, Shelled (succulent seeds)	0.1		CXL
VO	0445	Peppers, Sweet	0.5		CXL
FP	0009	Pome fruits	2		CXL
VR	0075	Root and tuber vegetables	0.05		CXL
VD	0541	Soya bean (dry)	0.1		CXL
VC	0431	Squash, Summer	0.5		CXL
SO	0702	Sunflower seed	0.1		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.1		CXL
VO	0448	Tomato	1		CXL
TN	0085	Tree nuts	0.2		CXL
VC	0432	Watermelon	0.5		CXL
CM	0654	Wheat bran, Unprocessed	5	PoP	CXL
CF	1211	Wheat flour	0.2	PoP	CXL
CF	1212	Wheat wholemeal	2	PoP	CXL
VC	0433	Winter squash	0.5		CXL

120 PERMETHRIN

Main Uses 8 INSECTICIDE

JMPR 79, 80R, 81, 82R, 83R, 84R, 85R, 86, 87T, 88R, 89R, 91R, 99T'

ADI 0.05 mg/kg body weight (1987; confirmed 1999)

RESIDUE Permethrin (sum of isomers) (fat-soluble).
ADI applies to technical grade permethrin with cis:trans ratios of 25:75 to 40:60.

Note Permethrin was reviewed by the 54th JECFA (February 2000) but as a different formulation (cis:trans ration of 80:20) was used for veterinary applications, it did not make any proposals on ADI or MRLs.
The CCPR-32 requested detailed information on support for permethrin. The CCPR-33 should consider revocation of all Codex MRLs for commodities which would not be supported.(32.127).
The CCPR-33 was informed that 30 to 40 commodities would be supported. It decided to retain all CXLs pending review at its next session (33.148).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	100		dry wt	CXL			
TN 0660	Almonds	0.1			CXL			
AB 0226	Apple pomace, Dry	50			CXL			
VS 0621	Asparagus	1			CXL			
VD 0071	Beans (dry)	0.1			CXL			
FB 0264	Blackberries	1			CXL			
VB 0400	Broccoli	2			CXL			
VB 0402	Brussels sprouts	1			CXL			
VB 0403	Cabbage, Savoy	5			CXL			
VB 0041	Cabbages, Head	5			CXL			
VR 0577	Carrot	0.1			CXL			
VB 0404	Cauliflower	0.5			CXL			
VS 0624	Celery	2			CXL			
GC 0080	Cereal grains	2	Po		CXL			
VL 0467	Chinese cabbage (type pe-tsai)	5			CXL			
FC 0001	Citrus fruits	0.5			CXL			
SB 0716	Coffee beans	0.05	(*)		CXL			
VP 0526	Common bean (pods and/or immature seeds)	1			CXL			

SO	0691	Cotton seed	0.5			CXL	
OR	0691	Cotton seed oil, Edible	0.1			CXL	
VC	0424	Cucumber	0.5			CXL	
FB	0021	Currants, Black, Red, White	2			CXL	
FB	0266	Dewberries (including boysenberry and loganberry)	1			CXL	
MO	0105	Edible offal (mammalian)	0.1			CXL	The MRL accommodates external animal treatment.
VO	0440	Egg plant	1			CXL	
PE	0112	Eggs	0.1			CXL	
VC	0425	Gherkin	0.5			CXL	
FB	0268	Gooseberry	2			CXL	
FB	0269	Grapes	2			CXL	
DH	1100	Hops, Dry	50			CXL	
VR	0583	Horseradish	0.5			CXL	
VL	0480	Kale	5			CXL	
FI	0341	Kiwifruit	2			CXL	
VB	0405	Kohlrabi	0.1			CXL	
VA	0384	Leek	0.5			CXL	
VL	0482	Lettuce, Head	2			CXL	
AS	0645	Maize fodder	100		dry wt	CXL	
MM	0095	Meat (from mammals other than marine mammals)	1	(fat)		CXL	The MRL accommodates external animal treatment.
VC	0046	Melons, except watermelon	0.1			CXL	
ML	0106	Milks	0.1	F		CXL	
VO	0450	Mushrooms	0.1			CXL	
FT	0305	Olives	1			CXL	
SO	0697	Peanut	0.1			CXL	
VP	0064	Peas, Shelled (succulent seeds)	0.1			CXL	
VO	0051	Peppers	1			CXL	
TN	0675	Pistachio nuts	0.05	(*)		CXL	
FP	0009	Pome fruits	2			CXL	

VR	0589	Potato	0.05	(*)			CXL	
PM	0110	Poultry meat	0.1				CXL	
VR	0591	Radish, Japanese	0.1				CXL	
SO	0495	Rape seed	0.05	(*)			CXL	
FB	0272	Raspberries, Red, Black	1				CXL	
AS	0651	Sorghum straw and fodder, Dry	20				CXL	
VD	0541	Soya bean (dry)	0.05	(*)			CXL	
AL	0541	Soya bean fodder	50		dry wt		CXL	
OC	0541	Soya bean oil, Crude	0.1				CXL	
VL	0502	Spinach	2				CXL	
VA	0389	Spring onion	0.5				CXL	
VC	0431	Squash, Summer	0.5				CXL	
FS	0012	Stone fruits	2				CXL	
FB	0275	Strawberry	1				CXL	
VR	0596	Sugar beet	0.05	(*)			CXL	
SO	0702	Sunflower seed	1				CXL	
OC	0702	Sunflower seed oil, Crude	1				CXL	
OR	0702	Sunflower seed oil, Edible	1				CXL	
VO	0447	Sweet corn (corn-on-the-cob)	0.1				CXL	
DT	1114	Tea, Green, Black	20				CXL	
VO	0448	Tomato	1				CXL	
CM	0654	Wheat bran, Unprocessed	5		PoP		CXL	(1993)
CF	1211	Wheat flour	0.5		PoP		CXL	(1993)
CF	1210	Wheat germ	2		PoP		CXL	(1993)
CF	1212	Wheat wholemeal	2		PoP		CXL	(1993)
VC	0433	Winter squash	0.5				CXL	

122 AMITRAZ

Main Uses 8 INSECTICIDE

JMPR 80, 83R, 84, 85R, 86R, 89R, 90, 98T' (03R')

ADI 0.01 mg/kg body weight (1998)

AcuteRfD 0.01 mg/kg body weight (1998)

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

Note Previous ADI 0.003 mg/kg bw (1984, confirmed 1990).
In view of the lack of responses to repeated requests to submit information on national residue definitions to the JMPR, the 26th CCPR agreed to maintain the residue definition as currently defined (26.224).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.05		CXL			The MRL accommodates external animal treatment.
FS 0013	Cherries	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		CXL			The MRL accommodates external animal treatment.
ML 0106	Milks	0.01	(*)	CXL			The MRL accommodates external animal treatment.
FC 0004	Oranges, Sweet, Sour	0.5		CXL			
FS 0247	Peach	0.5		CXL			
MM 0818	Pig meat	0.05		CXL			The MRL accommodates external animal treatment.
FP 0009	Pome fruits	0.5		CXL			
MM 0822	Sheep meat	0.1		CXL			The MRL accommodates external animal treatment.
VO 0448	Tomato	0.5		CXL		(1991)	

124 MECARBAM

Main Uses 8 INSECTICIDE
JMPR 80, 83, 85, 86, 87R (01T')(03R')
ADI 0.002 mg/kg body weight (1986)
RESIDUE Mecarbam.
Note The CCPR-34 would consider revocation of CXLs (33.151).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.01	(*)	CXL-D			
ML 0812	Cattle milk	0.01		CXL-D			
MO 0812	Cattle, Edible offal of	0.01	(*)	CXL-D			
FC 0001	Citrus fruits	2		CXL-D			

126 OXAMYL

Main Uses 8 INSECTICIDE
JMPR 80, 83R, 84T, 85, 86R, 02'
ADI 0.009 mg/kg body weight (2002)
AcuteRfD 0.009 mg/kg body weight (2002)
RESIDUE Sum of oxamyl and oxamyl oxime expressed as oxamyl.
Note Previous ADI, 0.3 mg/kg-bw (1984).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	2		CXL	02		Confirmed (2002 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FI 0327	Banana	0.2		CXL	02		Withdrawal recommended (2002 JMPR).
VP 0061	Beans, except broad bean and soya bean	0.2		CXL	02		Withdrawal recommended (2002 JMPR).
VR 0577	Carrot	0.1		3(a)	02		
VS 0624	Celery	5		CXL	02		Withdrawal recommended (2002 JMPR).
FC 0001	Citrus fruits	5		CXL			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC 0001	Citrus fruits	3		3(a)	02		
SB 0716	Coffee beans	0.1		CXL	02		Withdrawal recommended (2002 JMPR).
SO 0691	Cotton seed	0.2		CXL	02		Confirmed (2002 JMPR).
VC 0424	Cucumber	2		CXL			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC 0424	Cucumber	1		3(a)	02		
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.02	(*)	3	02		
PE 0112	Eggs	0.02	(*)	3	02		
GC 0645	Maize	0.05	(*)	CXL	02		Withdrawal recommended (2002 JMPR).
MM 0095	Meat (from mammals other than marine mammals)	0.02	(*)	3	02		

VC	0046 Melons, except watermelon	2		CXL	02	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC	0046 Melons, except watermelon	1		3(a)	02	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
ML	0106 Milks	0.02	(*)	3	02	
VA	0385 Onion, Bulb	0.05	(*)	CXL	02	Withdrawal recommended (2002 JMPR).
SO	0697 Peanut	0.1		CXL		
SO	0697 Peanut	0.05		3(a)	02	
AL	0697 Peanut fodder	2		CXL		
AL	0697 Peanut fodder	0.2		3(a)	02	
VO	0051 Peppers	5		3(a)	02	
VO	0445 Peppers, Sweet	2		CXL		To be replaced by the MRL for peppers (2002 JMPR).
FI	0353 Pineapple	1		CXL	02	
VR	0589 Potato	0.1		3(a)	02	
PM	0110 Poultry meat	0.02	(*)	3	02	
PO	0111 Poultry, Edible offal of	0.02	(*)	3	02	
VR	0075 Root and tuber vegetables	0.1		CXL		To be replaced by the MRLs for carrot and potato (2002 JMPR)
VD	0541 Soya bean (dry)	0.1		CXL	02	Withdrawal recommended (2002 JMPR).
VC	0431 Squash, Summer	2		CXL	02	Withdrawal recommended (2002 JMPR).
GS	0659 Sugar cane	0.05	(*)	CXL		Withdrawal recommended (2002 JMPR).
VO	0448 Tomato	2		CXL		Confirmed (2002 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC	0432 Watermelon	2		CXL	02	Withdrawal recommended (2002 JMPR).

129 AZOCYCLOTIN

Main Uses 1 ACARICIDE

JMPR 79R, 81T, 82R, 83R, 85R, 89, 91R, 94T (03T')(04R')

ADI 0.007 mg/kg body weight (1994)

RESIDUE Sum of azocyclotin and cyhexatin, expressed as cyhexatin.
See also (67) cyhexatin.

Note The CCPR-25 decided to harmonize the residue definition as the sum of azocyclotin and cyhexatin expressed as cyhexatin and to have 2 separate but identical lists.
The CCPR-31 agreed to consider deletion of the existing CXLs and MRLs at its 32nd Session as the use of azocyclotin would no longer be supported. The CCPR-31 requested information on the support of cyhexatin and which commodities would be supported before its 32nd Session (31.92). The CCPR-32 requested written confirmation of the commodities supported before the CCPR-33. Draft MRLs were retained at Step 7C pending written confirmation for support (32.129).
The CCPR-33 decided to retain the draft MRLs for apple, nectarine, peach, pear and plums (including purnes) and maintained the CXLs for citrus fruits, grapes, meat (from mammals other than marine mammals), milk products and milks.(33.152)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	2		7C	82, 89, 91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information about the availability of residue data to support a re-evaluation by a future JMPR (26.234). Support confirmed (32.129).
FC 0001	Citrus fruits	2		CXL		(1993)	
FB 0269	Grapes	0.2		CXL		(1993)	Support confirmed (32.129)
MM 0095	Meat (from mammals other than marine mammals)	0.2		CXL		(1993)	
AO3 0001	Milk products	0.05	(*)	CXL		(1993)	The MRL accommodates external animal treatment.
ML 0106	Milks	0.05	(*)	CXL		(1993)	The MRL accommodates external animal treatment.
FS 0245	Nectarine	1		7C	91	26, 32	The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FS 0247	Peach	1		7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FP 0230	Pear	2		7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FS 0014	Plums (including prunes)	2		7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).

130 DIFLUBENZURON

Main Uses 8 INSECTICIDE
JMPR 81, 83R, 84, 85, 88R, 01T, 02R'
ADI 0.02 mg/kg body weight (1985)
RESIDUE Diflubenzuron (fat-soluble).
Note The 2002 JMPR changed the residue definition (previously diflubenzuron).

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP	0226	Apple	1			CXL			To be replaced by the MRL for pome fruits (2002 JMPR)
VB	0402	Brussels sprouts	1			CXL	02		Withdrawal recommended (2002 JMPR)
VB	0041	Cabbages, Head	1			CXL	02		Withdrawal recommended (2002 JMPR)
FC	0001	Citrus fruits	1			CXL			
FC	0001	Citrus fruits	0.5			3	02		
SO	0691	Cotton seed	0.2			CXL	02		Withdrawal recommended (2002 JMPR)
MO	0105	Edible offal (mammalian)	0.05	(*)		CXL			
MO	0105	Edible offal (mammalian)	0.1	(*)		3(a)	02		
PE	0112	Eggs	0.05	(*)		CXL	02		Confirmed (2002 JMPR)
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)		CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.1		(fat)	3(a)	02		
ML	0106	Milks	0.05	(*)		CXL			
ML	0106	Milks	0.02	(*)	F	3(a)	02		
VO	0450	Mushrooms	0.1			CXL			
VO	0450	Mushrooms	0.3			3(a)	02		
FP	0230	Pear	1			CXL			To be replaced by the MRL for pome fruits (2002 JMPR)
FS	0014	Plums (including prunes)	1			CXL	02		Withdrawal recommended (2002 JMPR)
FP	0009	Pome fruits	5			3(a)	02		
PM	0110	Poultry meat	0.05	(*)		CXL			
PM	0110	Poultry meat	0.05	(*)	(fat)	3(a)	02		
GC	0649	Rice	0.01	(*)		3	02		
AS	0649	Rice straw and fodder, Dry	0.7			3	02		

VD	0541 Soya bean (dry)	0.1	CXL	02	Withdrawal recommended (2002 JMPR)
VO	0448 Tomato	1	CXL	02	Withdrawal recommended (2002 JMPR)

132 METHIOCARB

Main Uses 8 INSECTICIDE

JMPR 81, 83, 84T, 85T, 86R, 87, 88R, 98T', 99R'

ADI 0.02 mg/kg body weight (1998)

AcuteRfD 0.02 mg/kg body weight (1998)

RESIDUE Sum of methiocarb, its sulphoxide and its sulphone, expressed as methiocarb.

Note Previous ADI 0.001 mg/kg bw (1981; confirmed 1987).
The CCPR-33 was informed that studies on storage stability would be made available at the end of 2002 and data would be provided to support artichoke globe, rapeseed, sugar beet and sweet corn (corn-on-the-web).(33.153)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FB 0275	Strawberry	1	8	99	33	

133 TRIADIMEFON

Main Uses 5 FUNGICIDE

JMPR 79R, 81, 83, 84R, 85, 86R, 88R, 89R, 92R, 95R (03T')(04R')

ADI 0.03 mg/kg body weight (1985)

RESIDUE Triadimefon.
See (168) triadimenol for triadimenol MRLs covering uses of triadimefon and triadimenol.

Note 1992 JMPR changed definition of residue. Previous MRLs referred to the sum of triadimefon and triadimenol.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0640	Barley	0.5		CXL		(1995)	
AS 0640	Barley straw and fodder, Dry	2		CXL		(1995)	
VD 0524	Chick-pea (dry)	0.05	(*)	CXL		(1997)	
SB 0716	Coffee beans	0.05	(*)	CXL		(1997)	
FB 0021	Currants, Black, Red, White	0.2		CXL		(1997)	
PE 0112	Eggs	0.05	(*)	CXL		(1997)	
AM 1051	Fodder beet	0.05	(*)	CXL		(1997)	
AV 1051	Fodder beet leaves or tops	0.05	(*)	CXL		(1997)	
VC 0045	Fruiting vegetables, Cucurbits	0.1		CXL		(1997)	
FB 0269	Grapes	0.5		CXL		(1995)	
DH 1100	Hops, Dry	10		CXL		(1997)	
FI 0345	Mango	0.05	(*)	CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1997)	
ML 0106	Milks	0.05	(*)	CXL		(1997)	
AS 0647	Oat straw and fodder, Dry	2		CXL		(1995)	
GC 0647	Oats	0.1		CXL		(1995)	
VA 0387	Onion, Welsh	0.05	(*)	CXL		(1997)	
VP 0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL		(1997)	
VO 0445	Peppers, Sweet	0.1		CXL		(1997)	
FI 0353	Pineapple	2	Po	CXL		(1997)	

FP	0009 Pome fruits	0.5		CXL	
PM	0110 Poultry meat	0.05	(*)	CXL	(1997)
FB	0272 Raspberries, Red, Black	1		CXL	(1995)
GC	0650 Rye	0.1		CXL	(1995)
AS	0650 Rye straw and fodder, Dry	2		CXL	(1995)
VA	0389 Spring onion	0.05	(*)	CXL	(1997)
FB	0275 Strawberry	0.1		CXL	(1997)
VR	0596 Sugar beet	0.1	(*)	CXL	
AV	0596 Sugar beet leaves or tops	2		CXL	
VO	0448 Tomato	0.2		CXL	(1997)
GC	0654 Wheat	0.1		CXL	(1995)
AS	0654 Wheat straw and fodder, Dry	2		CXL	(1995)

135 DELTAMETHRIN

Main Uses 8 INSECTICIDE

JMPR 80, 81, 82, 84R, 85R, 86R, 87R, 88R, 90R, 92R, 00T', 02R'

ADI 0.01 mg/kg body weight (1982; confirmed 2000)

AcuteRfD 0.05 mg/kg body weight (2000)

RESIDUE Sum of deltamethrin, alpha-R- and trans-deltamethrin (1R-[1alpha(R*),3alpha]]-3-(2,2-dibromoethenyl)-2,2-dimethyl-cyclopropanecarboxylic acid, cyano(3-phenoxyphenyl)methyl ester and [1R-[1alpha(S*),3beta]]-3-(2,2-dibromoethenyl)-2,2-dimethyl-cyclopropanecarboxylic acid, cyano(3-phenoxyphenyl)methyl ester)(fat-soluble).

Note The 52nd JECFA estimated the following MRLs arising from veterinary uses (residue definition: deltamethrin): Muscle of cattle, sheep, chickens and salmon, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Liver of cattle, sheep and chickens, 0.05 mg/kg; Kidney of cattle, sheep and chickens, 0.05 mg/kg; Fat of cattle, sheep and chickens, 0.5 mg/kg; Cattle milk, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Chicken eggs, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method). The CCRVDF-12 (2000) retained them to Step 4.
The 2002 JMPR changed the residue definition (previously: deltamethrin (fat-soluble))

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.2		3(a)	02		
VS 0620	Artichoke globe	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
FI 0327	Banana	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
VD 0071	Beans (dry)	1	Po	CXL		(1991)	To be replaced by the MRL for pulses (2002 JMPR).
VB 0040	Brassica vegetables	0.2		CXL			To be replaced by the MRL for flowerhead brassicas (2002 JMPR).
VA 0036	Bulb vegetables, except fennel, bulb	0.1		CXL			To be replaced by the MRLs for leek and onion, bulb (2002 JMPR).
SB 0715	Cacao beans	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
VR 0577	Carrot	0.02		3(a)	02		
GC 0080	Cereal grains	1	Po	CXL			
GC 0080	Cereal grains	2	Po	3(a)	02		
FC 0001	Citrus fruits	0.02		3(a)	02		
SB 0716	Coffee beans	2	Po	CXL	02		Withdrawal recommended (2002 JMPR).
MO 0105	Edible offal (mammalian)	0.05		CXL	02	(1991)	The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR).
PE 0112	Eggs	0.01	(*)	CXL		(1991)	
PE 0112	Eggs	0.02	(*)	3(a)	02		

VD	0561	Field pea (dry)	1		Po		CXL	02	(1991)	To be replaced by the MRL for pulses (2002 JMPR).
FT	0297	Fig	0.01	(*)			CXL	02		Withdrawal recommended (2002 JMPR).
VB	0042	Flowerhead brassicas	0.1				3	02		
VO	0050	Fruiting vegetables other than cucurbits	0.2				CXL	02		Except mushrooms. Withdrawal recommended (2002 JMPR).
VC	0045	Fruiting vegetables, Cucurbits	0.2				CXL	02		Confirmed (2002JMPR).
FB	0269	Grapes	0.05				CXL			
FB	0269	Grapes	0.2				3(a)	02		
TN	0666	Hazelnuts	0.02	(*)			3	02		
DH	1100	Hops, Dry	5				CXL	02		Withdrawal recommended (2002 JMPR).
MO	0098	Kidney of cattle, goats, pigs & sheep	0.03	(*)			3	02		
FI	0341	Kiwifruit	0.05				CXL	02		Withdrawal recommended (2002 JMPR).
VL	0053	Leafy vegetables	0.5				CXL			
VL	0053	Leafy vegetables	2				3(a)	02		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VA	0384	Leek	0.2				3	02		
AL	0157	Legume animal feeds	0.5			dry wt	CXL	02		Withdrawal recommended (2002 JMPR).
VP	0060	Legume vegetables	0.1				CXL			
VP	0060	Legume vegetables	0.2				3(a)	02		
VD	0533	Lentil (dry)	1		Po		CXL	02	(1991)	To be replaced by the MRL for pulses (2002 JMPR).
MO	0099	Liver of cattle, goats, pigs & sheep	0.03	(*)			3	02		
FC	0003	Mandarins	0.05				CXL			To be replaced by the MRL for citrus fruits (2002 JMPR).
MM	0095	Meat (from mammals other than marine mammals)	0.5		(fat)		CXL	02	(1993)	The MRL accommodates external animal treatment. Confirmed (2002 JMPR).
VC	0046	Melons, except watermelon	0.01	(*)			CXL	02		Withdrawal recommended (2002 JMPR).
ML	0106	Milks	0.02		F		CXL		(1991)	The MRL accommodates external animal treatment.
ML	0106	Milks	0.05		F		3(a)	02		
VO	0450	Mushrooms	0.01	(*)			CXL			
VO	0450	Mushrooms	0.05				3(a)	02		
FS	0245	Nectarine	0.05				3(a)	02		

SO	0088	Oilseed	0.1			CXL			To be replaced by the MRL for sunflower seed (2002 JMPR).
SO	0089	Oilseed, except peanut	0.1			CXL	02	(1991)	Withdrawal recommended (2002 JMPR).
FT	0305	Olives	0.1			CXL			
FT	0305	Olives	1			3(a)	02		
VA	0385	Onion, Bulb	0.05			3	02		
FC	0004	Oranges, Sweet, Sour	0.05			CXL			To be replaced by the MRL for citrus fruits (2002 JMPR)
FS	0247	Peach	0.05			3(a)	02		
SO	0697	Peanut	0.01	(*)		CXL	02	(1991)	Withdrawal recommended (2002 JMPR).
FI	0353	Pineapple	0.01	(*)		CXL	02		Withdrawal recommended (2002 JMPR).
FS	0014	Plums (including prunes)	0.05			3(a)	02		
FP	0009	Pome fruits	0.1			CXL			To be replaced by the MRL for apple (2002 JMPR)
VR	0589	Potato	0.01	(*)		3(a)	02		
PM	0110	Poultry meat	0.01	(*)		CXL		(1991)	
PM	0110	Poultry meat	0.1		(fat)	3(a)	02		
PO	0111	Poultry, Edible offal of	0.01	(*)		CXL		(1991)	
PO	0111	Poultry, Edible offal of	0.02	(*)		3(a)	02		
VD	0070	Pulses	1		Po	3(a)	02		
VR	0494	Radish	0.01	(*)		3(a)	02		
VR	0075	Root and tuber vegetables	0.01			CXL			To be replaced by the MRLs for individual commodities (2002 JMPR)
FS	0012	Stone fruits	0.05			CXL			To be replaced by the MRLs for nectarine and peach (2002 JMPR).
AS	0081	Straw and fodder (dry) of cereal grains	0.5			CXL			Withdrawal recommended (2002 JMPR)
FB	0275	Strawberry	0.05			CXL			
FB	0275	Strawberry	0.2			3(a)	02		
SO	0702	Sunflower seed	0.05	(*)		3	02		
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)		3	02		
DT	1114	Tea, Green, Black	10			CXL			
DT	1114	Tea, Green, Black	5			3(a)	02		
VO	0448	Tomato	0.3			3	02		
FT	0312	Tree tomato	0.02			CXL		(1995)	Withdrawal recommended (2002 JMPR)
TN	0678	Walnuts	0.02	(*)		3	02		

CM	0654 Wheat bran, Unprocessed	5	PoP	CXL	02	(1995)	Confirmed (2002 JMPR)
CF	1211 Wheat flour	0.2	PoP	CXL		(1995)	
CF	1211 Wheat flour	0.3	PoP	3(a)	02		
CF	1212 Wheat wholemeal	1	PoP	CXL		(1995)	
CF	1212 Wheat wholemeal	2	PoP	3(a)	02		

136 PROCYMIDONE

Main Uses 5 FUNGICIDE
JMPR 81R, 82T, 89, 90R, 93R, 98R
ADI 0.1 mg/kg body weight (1989)
RESIDUE Procymidone.

Commodity Code		Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VB	0041	Cabbages, Head	2	CXL		(2001)	
FS	0013	Cherries	10	CXL		(1995)	
VP	0526	Common bean (pods and/or immature seeds)	1	CXL		(1995)	
VC	0424	Cucumber	2	CXL		(1995)	
VP	0528	Garden pea (young pods)	3	CXL		(2001)	
VP	0529	Garden pea, Shelled	1	CXL		(2001)	
VC	0425	Gherkin	2	CXL		(1995)	
FB	0269	Grapes	5	CXL		(1995)	
VL	0482	Lettuce, Head	5	CXL		(1995)	
VA	0385	Onion, Bulb	0.2	CXL		(1995)	
FS	0247	Peach	2	CXL		(2001)	
FP	0230	Pear	1	CXL		(2001)	
VO	0051	Peppers	5	CXL		(1995)	
FS	0014	Plums (including prunes)	2	CXL		(2001)	
FB	0272	Raspberries, Red, Black	10	CXL		(1995)	
FB	0275	Strawberry	10	CXL		(1995)	
SO	0702	Sunflower seed	0.2	CXL		(1995)	
OR	0702	Sunflower seed oil, Edible	0.5	CXL		(1995)	
VO	0448	Tomato	5	CXL		(1995)	

137 BENDIOCARB

Main Uses 8 INSECTICIDE
JMPR 82, 84, 89R, 90R (03T')(04R')
ADI 0.004 mg/kg body weight (1984)
RESIDUE Plant commodities: Unconjugated bendiocarb.
Animal commodities: Sum of conjugated/unconjugated bendiocarb, 2,2-dimethyl-1,3-benzodioxol-4-ol/N-hydroxymethyl bendiocarb expressed as bendiocarb.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VR 0574	Beetroot	0.05	(*)	CXL		(1991)	
MF 0812	Cattle fat	0.05	(*)	CXL			The MRL accommodates external animal treatment.
MO 1280	Cattle kidney	0.2	(*)	CXL			The MRL accommodates external animal treatment.
MM 0812	Cattle meat	0.05	(*)	CXL			The MRL accommodates external animal treatment.
MO 0812	Cattle, Edible offal of	0.05	(*)	CXL			Except kidney. The MRL accommodates external animal treatment.
PE 0112	Eggs	0.05	(*)	CXL			
GC 0645	Maize	0.05	(*)	CXL			
AS 0645	Maize fodder	0.05	(*)	CXL			
AF 0645	Maize forage	0.05	(*)	CXL			
ML 0106	Milks	0.05	(*)	CXL			The MRL accommodates external animal treatment.
VR 0589	Potato	0.05	(*)	CXL			
PF 0111	Poultry fats	0.05	(*)	CXL			
PM 0110	Poultry meat	0.05	(*)	CXL			
PO 0111	Poultry, Edible offal of	0.05	(*)	CXL			
VR 0596	Sugar beet	0.05	(*)	CXL			
AV 0596	Sugar beet leaves or tops	0.05	(*)	CXL			

138 METALAXYL

Main Uses 5 FUNGICIDE

JMPR 82, 84R, 85R, 86R, 87R, 89R, 90R, 92R, 95R, 02T'

ADI 0.08 mg/kg body weight (Group ADI for metalaxyl and metalaxyl-M (alone or in combination; 2002)

RESIDUE Metalaxyl.

Note Previous ADI, 0.03 mg/kg-bw for metalaxyl (1982).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
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	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	1		CXL			
FP 0009	Pome fruits	1	Po	CXL		(1993)	
VR 0589	Potato	0.05	(*)	CXL			

FB	0272 Raspberries, Red, Black	0.2		CXL	(1991)
VD	0541 Soya bean (dry)	0.05	(*)	CXL	
VL	0502 Spinach	2		CXL	(1995)
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 5 FUNGICIDE

JMPR 83, 85R, 87R, 88R, 89R, 90R, 92T, 01T' (02R')

ADI 0.01 mg/kg body weight (1983; confirmed 2001)

AcuteRfD 0.1 mg/kg body weight (2001)

RESIDUE Sum of prochoraz and its metabolites containing the 2,4,6-trichlorophenol moiety, expressed as prochloraz.
MRLs cover cumulative residues from pre- and post-harvest treatments.

Note The CCPR noted concerns about the dose level fed to animals in transfer studies and about a different limit of determination used in residue studies (24.146).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI 0326	Avocado	5	Po	CXL			
FI 0327	Banana	5	Po	CXL			
GC 0640	Barley	0.5		CXL			
AS 0640	Barley straw and fodder, Dry	15		CXL			
MF 0812	Cattle fat	0.5		CXL		(1993)	
MM 0812	Cattle meat	0.1	(*)	CXL		(1993)	
MO 0812	Cattle, Edible offal of	5		CXL		(1993)	
SB 0716	Coffee beans	0.2		CXL		(1991)	
FI 0345	Mango	2	Po	CXL			
ML 0106	Milks	0.1	(*)	CXL		(1993)	
VO 0450	Mushrooms	2		CXL			
AS 0647	Oat straw and fodder, Dry	15		CXL			
GC 0647	Oats	0.5		CXL			
FC 0004	Oranges, Sweet, Sour	5	Po	CXL		(1991)	
FI 0350	Papaya	1	Po	CXL		(1991)	
SO 0495	Rape seed	0.5		CXL			
GC 0650	Rye	0.5		CXL			
AS 0650	Rye straw and fodder, Dry	15		CXL			
FS 0012	Stone fruits	0.05		CXL		(1991)	
GC 0654	Wheat	0.5		CXL			
AS 0654	Wheat straw and fodder, Dry	15		CXL			

143 TRIAZOPHOS

Main Uses 8 INSECTICIDE
JMPR 82T, 83R, 86, 90R, 92R, 93, 02T'
ADI 0.001 mg/kg body weight (1993; confirmed 2002)
AcuteRfD 0.001 mg/kg body weight (2002)
RESIDUE Triazophos.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VP	0523	Broad bean, Shelled (succulent)(=immature seeds)	0.02	(*)	CXL		(1995)	
VB	0402	Brussels sprouts	0.1		CXL		(1995)	
VB	0041	Cabbages, Head	0.1		CXL		(1995)	
VR	0577	Carrot	0.5		CXL		(1997)	
MM	0812	Cattle meat	0.01	(*)	CXL		(1995)	
ML	0812	Cattle milk	0.01	(*)	CXL		(1995)	
VB	0404	Cauliflower	0.1		CXL		(1995)	
GC	0080	Cereal grains	0.05	(*)	CXL		(1995)	
SB	0716	Coffee beans	0.05	(*)	CXL		(1995)	
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL		(1995)	
SO	0691	Cotton seed	0.1		CXL		(1995)	
VA	0385	Onion, Bulb	0.05	(*)	CXL		(1995)	
VP	0063	Peas (pods and succulent=immature seeds)	0.1		CXL		(1995)	
FP	0009	Pome fruits	0.2		CXL		(1995)	
VR	0589	Potato	0.05	(*)	CXL		(1995)	
VD	0541	Soya bean (dry)	0.05	(*)	CXL		(1995)	
FB	0275	Strawberry	0.05	(*)	CXL		(1995)	
VR	0596	Sugar beet	0.05	(*)	CXL		(1995)	

144 BITERTANOL

Main Uses 5 FUNGICIDE

JMPR 83T, 84R, 86R, 87T, 88R, 89R, 91R, 98T', 99R', 02R

ADI 0.01 mg/kg body weight (1988, confirmed 1998)

RESIDUE Bitertanol (fat-soluble).

Note The CCPR-33 decided to maintain the CXL for apricot for 1 year in order to consider the extrapolation from peaches to apricots and the CXLs for banana, cucumber, nectarine, peach, plums (including prunes), pome fruits (33.155).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FS 0240	Apricot	1			CXL	99, 02	(1993)33	Retained under periodic review. The 2002 JMPR recommended an MRL at 1 mg/kg.
FI 0327	Banana	0.5			CXL			Confirmed (1999 JMPR)
GC 0640	Barley	0.05	(*)		CXL		(2001)	
AS 0640	Barley straw and fodder, Dry	0.05	(*)		CXL		(2001)	
FS 0013	Cherries	1			CXL		(2001)	
VC 0424	Cucumber	0.5			CXL		(1991)	Confirmed (1999 JMPR)
MO 0105	Edible offal (mammalian)	0.05	(*)		CXL		(2001)	
PE 0112	Eggs	0.01	(*)		CXL		(2001)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	(fat)	CXL		(2001)	
ML 0106	Milks	0.05	(*)		CXL		(2001)	
FS 0245	Nectarine	1			CXL		(1993)	Confirmed (1999 JMPR)
AF 0647	Oat forage (green)	0.05	(*)	dry wt.	CXL		(2001)	
AS 0647	Oat straw and fodder, Dry	0.05	(*)		CXL		(2001)	
GC 0647	Oats	0.05	(*)		CXL		(2001)	
FS 0247	Peach	1			CXL		(1993)	Confirmed (1999 JMPR)
FS 0014	Plums (including prunes)	2			CXL		(1991)	Confirmed (1999 JMPR)
FP 0009	Pome fruits	2			CXL		(1991)	Confirmed (1999 JMPR)
PM 0110	Poultry meat	0.01	(*)		CXL		(2001)	
PO 0111	Poultry, Edible offal of	0.01	(*)		CXL		(2001)	
GC 0650	Rye	0.05	(*)		CXL		(2001)	
AF 0650	Rye forage (green)	0.05	(*)	dry wt	CXL		(2001)	
AS 0650	Rye straw and fodder, Dry	0.05	(*)		CXL		(2001)	

VO	0448	Tomato	3		8	99	33
GC	0653	Triticale	0.05	(*)	CXL		(2001)
AS	0653	Triticale straw and fodder, Dry	0.05	(*)	CXL		(2001)
GC	0654	Wheat	0.05	(*)	CXL		(2001)
AS	0654	Wheat straw and fodder, Dry	0.05	(*)	CXL		(2001)

145 CARBOSULFAN

Main Uses 8 INSECTICIDE
JMPR 84, 86T, 91R, 93R, 97R'
ADI 0.01 mg/kg body weight (1986)
RESIDUE Carbosulfan.
Note The 1999 JMPR concluded that a group MRL for citrus fruits could not be recommended since registered used of carbosulfan were solely on oranges and mandarins.
The CCPR-33 requested the Delegation of Spain to provide GAP information on citurs fruits to JMPR (33.158).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AB 0001	Citrus pulp, Dry	0.1	6	97	31, 32, 33	Returned to current Step
FC 0206	Mandarin	0.1	6	99	33	Returned to current Step
FC 0004	Oranges, Sweet, Sour	0.1	6	97	31, 32, 33	Returned to current Step

146 CYHALOTHRIN

Main Uses 8 INSECTICIDE

JMPR 84, 86R, 88R

ADI 0.002 mg/kg body weight (TADI; 2000 by JECFA)

RESIDUE Cyhalothrin (sum of all isomers).

Note Previous ADI, 0.02 mg/kg body weight (1984)
The 54th JECFA (February 2000) reviewed cyhalothrin and recommended a number of MRLs arising from veterinary uses (residue definition: cyhalothrin). These proposals will be circulated for comments at Step 3.
The intake estimates, including both MRLs proposed by JECFA and the adopted Codex MRLs elaborated by the CCPR, did not exceed the ADI. The CCPR-32 noted that most of Codex MRLs resulted from the use of lambda-cyhalothrin and that cyhalothrin would not be supported for periodic review. (32.134-135)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VB 0041	Cabbages, Head	0.2		CXL			
SO 0691	Cotton seed	0.02	(*)	CXL			
OC 0691	Cotton seed oil, Crude	0.02	(*)	CXL			
OR 0691	Cotton seed oil, Edible	0.02	(*)	CXL			
FP 0009	Pome fruits	0.2		CXL			
VR 0589	Potato	0.02	(*)	CXL			

147 METHOPRENE

Main Uses 9 INSECT GROWTH REGULATOR
JMPR 84, 86R, 88R, 89R, 01T' (03R')
ADI 0.09 & 0.05 mg/kg body weight (2001; 0.09 mg/kg bw for the R,S racemate; 0.05 mg/kg bw for S-methoprene)
RESIDUE Methoprene (fat-soluble).
Note Previous ADI, 0.1 mg/kg bw (1987)

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
ML	0812	Cattle milk	0.05		F	CXL			The MRL accommodates external animal treatment.
GC	0080	Cereal grains	5		Po	CXL			
MO	0105	Edible offal (mammalian)	0.1			CXL		(1991)	
PE	0112	Eggs	0.05			CXL		(1991)	
OR	0645	Maize oil, Edible	0.2	(*)	PoP	CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.2		(fat)	CXL		(1991)	The MRL accommodates external animal treatment.
VO	0450	Mushrooms	0.2			CXL			
SO	0697	Peanut	2			CXL		(1991)	
CM	0654	Wheat bran, Unprocessed	10		PoP	CXL			
CF	1211	Wheat flour	2		PoP	CXL			
CF	1212	Wheat wholemeal	5		PoP	CXL			

148 PROPAMOCARB

Main Uses 5 FUNGICIDE
JMPR 84, 86, 87R (04T')(05R')
ADI 0.1 mg/kg body weight (1986)
RESIDUE Propamocarb (base).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VR 0574	Beetroot	0.2	CXL			
VB 0402	Brussels sprouts	1	CXL			
VB 0041	Cabbages, Head	0.1	CXL			
VB 0404	Cauliflower	0.2	CXL			
VS 0624	Celery	0.2	CXL			
VC 0424	Cucumber	2	CXL			
VL 0482	Lettuce, Head	10	CXL			
VO 0445	Peppers, Sweet	1	CXL			
VR 0494	Radish	5	CXL			
FB 0275	Strawberry	0.1	CXL			
VO 0448	Tomato	1	CXL			

149 ETHOPROPHOS

Main Uses 8 INSECTICIDE
JMPR 83T, 84R, 87T, 99T' (01R')
ADI 0.0004 mg/kg body weight (1999)
AcuteRfD 0.05 mg/kg body weight (1999)
RESIDUE Ethoprophos.
Note Previous ADI, 0.0003 mg/kg bw (1987).

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI	0327	Banana	0.02	(*)	CXL			
VR	0574	Beetroot	0.02	(*)	CXL			
VB	0041	Cabbages, Head	0.02	(*)	CXL			
VC	0424	Cucumber	0.02	(*)	CXL			
VC	0425	Gherkin	0.02	(*)	CXL			
FB	0269	Grapes	0.02	(*)	CXL			
VL	0482	Lettuce, Head	0.02	(*)	CXL			
GC	0645	Maize	0.02	(*)	CXL			
AS	0645	Maize fodder	0.02	(*)	CXL			
AF	0645	Maize forage	0.02	(*)	CXL			
VC	0046	Melons, except watermelon	0.02	(*)	CXL			
VA	0385	Onion, Bulb	0.02	(*)	CXL			
SO	0697	Peanut	0.02	(*)	CXL			
AL	0697	Peanut fodder	0.02	(*)	CXL			
VP	0063	Peas (pods and succulent=immature seeds)	0.02	(*)	CXL			
VO	0051	Peppers	0.02	(*)	CXL			
FI	0353	Pineapple	0.02	(*)	CXL			
AM	0353	Pineapple fodder	0.02	(*)	CXL			
AV	0353	Pineapple forage	0.02	(*)	CXL			
VR	0589	Potato	0.02	(*)	CXL			
VD	0541	Soya bean (dry)	0.02	(*)	CXL			
AL	0541	Soya bean fodder	0.02	(*)	CXL			

FB	0275 Strawberry	0.02	(*)	CXL
GS	0659 Sugar cane	0.02	(*)	CXL
AM	0659 Sugar cane fodder	0.02	(*)	CXL
AV	0659 Sugar cane forage	0.02	(*)	CXL
VR	0508 Sweet potato	0.02	(*)	CXL
VO	0448 Tomato	0.02	(*)	CXL
VR	0506 Turnip, Garden	0.02	(*)	CXL

151 DIMETHIPIN

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 85, 87, 88, 99T', 01R'
ADI 0.02 mg/kg body weight (1988; confirmed 1999)
AcuteRfD 0.02 mg/kg body weight (1999)
RESIDUE Dimethipin.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
SO 0691	Cotton seed	0.5		CXL			
SO 0691	Cotton seed	1		3(a)	01		
OC 0691	Cotton seed oil, Crude	0.1		CXL			Confirmed (2001 JMPR)
OR 0691	Cotton seed oil, Edible	0.02	(*)	CXL			
OR 0691	Cotton seed oil, Edible	0.1		3(a)	01		
MO 0105	Edible offal (mammalian)	0.02	(*)	CXL			
MO 0105	Edible offal (mammalian)	0.01	(*)	3(a)	01		
PE 0112	Eggs	0.02	(*)	CXL			
PE 0112	Eggs	0.01	(*)	3(a)	01		
SO 0693	Linseed	0.2		CXL	01		Withdrawal recommended (2001 JMPR)
MM 0095	Meat (from mammals other than marine mammals)	0.02	(*)	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.01	(*)	3(a)	01		
ML 0106	Milks	0.02	(*)	CXL			
ML 0106	Milks	0.01	(*)	3(a)	01		
VR 0589	Potato	0.05	(*)	CXL			Confirmed (2001 JMPR)
PM 0110	Poultry meat	0.02	(*)	CXL			
PM 0110	Poultry meat	0.01	(*)	3(a)	01		
PO 0111	Poultry, Edible offal of	0.02	(*)	CXL			
PO 0111	Poultry, Edible offal of	0.01	(*)	3(a)	01		
SO 0495	Rape seed	0.1		CXL			
SO 0495	Rape seed	0.2		3(a)	01		
SO 0702	Sunflower seed	0.5		CXL			

SO	0702 Sunflower seed	1		3(a)	01	
OC	0702 Sunflower seed oil, Crude	0.1		CXL	01	Withdrawal recommended (2001 JMPR)
OR	0702 Sunflower seed oil, Edible	0.02	(*)	CXL	01	Withdrawal recommended (2001 JMPR)

152 FLUCYTHRINATE

Main Uses 8 INSECTICIDE
JMPR 85, 87R, 88R, 89R, 90R, 93R
ADI 0.02 mg/kg body weight (1985)
RESIDUE Flucythrinate (fat-soluble).
Note The CAC-24 revoked the existing CXLs.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0000	No MRL					

153 PYRAZOPHOS

Main Uses 5 FUNGICIDE
JMPR 85, 87R, 92, 93R
ADI 0.004 mg/kg body weight (1992)
RESIDUE Pyrazophos.
Note The CAC-24 revoked the existing CXLs.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0000	No MRL					

154 THIODICARB

Main Uses	8 INSECTICIDE
JMPR	85, 86T, 87R, 88R, 00T', 01R'
ADI	0.03 mg/kg body weight (1986; confirmed 2000)
AcuteRfD	0.04 mg/kg body weight (2000)
RESIDUE	Sum of thiodicarb and methomyl, expressed as methomyl. See (94) methomyl.
Note	The CCPR had decided on combined list for thiodicarb and methomyl.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001	See related compound(s)					

155 BENALAXYL

Main Uses 5 FUNGICIDE
JMPR 86R, 87T, 88R, 92R, 93R
ADI 0.05 mg/kg body weight (1987)
RESIDUE Benalaxyl.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VC 0424	Cucumber	0.05		CXL			
FB 0269	Grapes	0.2		CXL		(1991)	
DH 1100	Hops, Dry	0.2		CXL		(1991)	
VC 0046	Melons, except watermelon	0.1		CXL			
VA 0385	Onion, Bulb	0.2		CXL			
VO 0445	Peppers, Sweet	0.05		CXL		(1991)	
VR 0589	Potato	0.02	(*)	CXL		(1995)	
VO 0448	Tomato	0.5		CXL		(1991)	

156 CLOFENTEZINE

Main Uses 1 ACARICIDE
JMPR 86, 87R, 89R, 90R, 92R (04')
ADI 0.02 mg/kg body weight (1986)
RESIDUE Plant commodities: Clofentezine.
Animal commodities: Sum of all compounds containing the 2-chlorobenzoyl moiety, expressed as clofentezine.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.05	(*)	CXL			
ML 0812	Cattle milk	0.01	(*)	CXL			
MO 0812	Cattle, Edible offal of	0.1		CXL			
FC 0001	Citrus fruits	0.5		CXL		(1995)	
VC 0424	Cucumber	1		CXL		(1991)	
FB 0021	Currants, Black, Red, White	0.05		CXL		(1993)	
PE 0112	Eggs	0.05	(*)	CXL			
FB 0269	Grapes	1		CXL		(1995)	
FP 0009	Pome fruits	0.5		CXL			
PM 0110	Poultry meat	0.05	(*)	CXL			
PO 0111	Poultry, Edible offal of	0.05	(*)	CXL			
FS 0012	Stone fruits	0.2		CXL			
FB 0275	Strawberry	2		CXL			

157 CYFLUTHRIN

Main Uses 8 INSECTICIDE

JMPR 86R, 87T, 89R, 90R, 92R

ADI 0.02 mg/kg body weight (1987; confirmed by JECFA in 1997)

RESIDUE Cyfluthrin (fat-soluble).

Note The 47th JECFA reviewed cyfluthrin and proposed a number of MRLs arising from veterinary uses on cattle. The 23rd CAC adopted them at Step 5 and advanced them to Step 6. The CCRVDF-13 (2001) advanced them to Step 8.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.5		CXL		(1995)	
ML 0812	Cattle milk	0.01	F	CXL		(1995)	The MRL accommodates external animal treatment. The CCPR-31 agreed to support the MRL for milk (0.04 mg/kg - whole milk basis), which was being considered by the CCRVDF, for the sake of harmonization (31.96).
SO 0691	Cotton seed	0.05		CXL		(1995)	
GC 0645	Maize	0.05		CXL		(1995)	
VO 0445	Peppers, Sweet	0.2		CXL		(1995)	
SO 0495	Rape seed	0.05		CXL		(1995)	
VO 0448	Tomato	0.5		CXL		(1995)	

158 GLYPHOSATE

Main Uses 7 HERBICIDE
JMPR 86, 88R, 94R, 97 (03')
ADI 0.3 mg/kg body weight (1986; confirmed in 1997 for sum of glyphosate and aminoethylphosphonic acid)
RESIDUE Glyphosate.
Note See also (198) aminomethylphosphonic acid (AMPA).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0640	Barley	20		CXL			
VD 0071	Beans (dry)	2		CXL			
MM 0812	Cattle meat	0.1	(*)	CXL			
ML 0812	Cattle milk	0.1	(*)	CXL			
MO 0812	Cattle, Edible offal of	2		CXL			
SO 0691	Cotton seed	10		CXL		(1999)	
OC 0691	Cotton seed oil, Crude	0.05	(*)	CXL		(1999)	
OR 0691	Cotton seed oil, Edible	0.05	(*)	CXL		(1999)	
PE 0112	Eggs	0.1	(*)	CXL			
AS 0162	Hay or fodder (dry) of grasses	50		CXL			
FI 0341	Kiwifruit	0.1	(*)	CXL			
GC 0645	Maize	1		CXL		(1999)	
AF 0645	Maize forage	1		CXL		(1999)	
GC 0647	Oats	20		CXL			
VD 0072	Peas (dry)	5		CXL			
MM 0818	Pig meat	0.1	(*)	CXL			
MO 0818	Pig, Edible offal of	1		CXL			
PM 0110	Poultry meat	0.1	(*)	CXL			
SO 0495	Rape seed	10		CXL			
GC 0649	Rice	0.1	(*)	CXL			
GC 0651	Sorghum	20		CXL		(1999)	
VD 0541	Soya bean (dry)	20		CXL		(1997)	

VP	0541	Soya bean (immature seeds)	0.2		CXL	
AL	0541	Soya bean fodder	200		CXL	(1997)
AL	1265	Soya bean forage (green)	5		CXL	(1991)
AS	0081	Straw and fodder (dry) of cereal grains	100		CXL	
VO	0447	Sweet corn (corn-on-the-cob)	0.1	(*)	CXL	
GC	0654	Wheat	5		CXL	
CM	0654	Wheat bran, Unprocessed	20		CXL	(1995)
CF	1211	Wheat flour	0.5		CXL	(1991)
CF	1212	Wheat wholemeal	5		CXL	(1991)

159 VINCLOZOLIN

Main Uses 5 FUNGICIDE
JMPR 86, 88, 89R, 90R, 92R, 95T
ADI 0.01 mg/kg body weight (1995)
RESIDUE Sum of vinclozolin and all metabolites containing the 3,5-dichloroaniline moiety, expressed as vinclozolin.

Commodity Code		Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FB	0264	Blackberries	5			CXL			
FB	0020	Blueberries	5			CXL		(1991)	
VB	0041	Cabbages, Head	1			CXL			
MM	0812	Cattle meat	0.05	(*)		CXL			
ML	0812	Cattle milk	0.05	(*)		CXL			
VB	0404	Cauliflower	1			CXL			
FS	0013	Cherries	5		Po	CXL			
PE	0840	Chicken eggs	0.05	(*)		CXL			
PM	0840	Chicken meat	0.05	(*)		CXL			
VR	0469	Chicory, roots	5			CXL			
VP	0526	Common bean (pods and/or immature seeds)	2			CXL			
VC	0424	Cucumber	1			CXL			
FB	0021	Currants, Black, Red, White	5			CXL			
FB	0266	Dewberries (including boysenberry and loganberry)	5			CXL			
VP	0529	Garden pea, Shelled	1			CXL			
VC	0425	Gherkin	1			CXL			
FB	0268	Gooseberry	5			CXL			
FB	0269	Grapes	5			CXL			
DH	1100	Hops, Dry	40			CXL		(1991)	
FI	0341	Kiwifruit	10			CXL			
VL	0482	Lettuce, Head	5			CXL		(1995)	
VC	0046	Melons, except watermelon	1			CXL			

VA	0385 Onion, Bulb	1		CXL	
FS	0247 Peach	5	Po	CXL	
VO	0445 Peppers, Sweet	3		CXL	(1991)
FP	0009 Pome fruits	1		CXL	
VR	0589 Potato	0.1		CXL	
SO	0495 Rape seed	1		CXL	(1991)
FB	0272 Raspberries, Red, Black	5		CXL	
FB	0275 Strawberry	10		CXL	
VO	0448 Tomato	3		CXL	
VS	0469 Witloof chicory (sprouts)	2		CXL	

160 PROPICONAZOLE

Main Uses 5 FUNGICIDE
JMPR 87, 91R, 94R
ADI 0.04 mg/kg body weight (1987)
RESIDUE Propiconazole.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
TN	0660	Almonds	0.05		CXL		(1991)	
FI	0327	Banana	0.1		CXL		(1991)	
GC	0640	Barley	0.05		CXL		(1997)	
SB	0716	Coffee beans	0.1		CXL		(1991)	
MO	0105	Edible offal (mammalian)	0.05		CXL		(1991)	
PE	0112	Eggs	0.05	(*)	CXL		(1991)	
FB	0269	Grapes	0.5		CXL		(1991)	
FI	0345	Mango	0.05		CXL		(1991)	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1991)	
ML	0106	Milks	0.01	(*)	CXL		(1991)	
GC	0647	Oats	0.05	(*)	CXL		(1993)	
SO	0697	Peanut	0.05		CXL		(1991)	
SO	0703	Peanut, Whole	0.1		CXL			
TN	0672	Pecan	0.05		CXL		(1991)	
PM	0110	Poultry meat	0.05	(*)	CXL		(1991)	
SO	0495	Rape seed	0.05		CXL		(1991)	
GC	0650	Rye	0.05	(*)	CXL		(1993)	
FS	0012	Stone fruits	1		CXL		(1991)	
VR	0596	Sugar beet	0.05		CXL		(1991)	
AV	0596	Sugar beet leaves or tops	0.5		CXL		(1997)	
GS	0659	Sugar cane	0.05		CXL		(1991)	
GC	0654	Wheat	0.05	(*)	CXL		(1993)	

161 PACLOBUTRAZOL

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 88, 89R
ADI 0.1 mg/kg body weight (1988)
RESIDUE Paclobutrazol.
Note The CCPR-33 noted that support had not been confirmed (33.163).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.5	CXL		(1991)	
FS 0012	Stone fruits	0.05	CXL		(1991)	

162 TOLYLFLUANID

Main Uses 5 FUNGICIDE
JMPR 88, 90R, 02'
ADI 0.08 mg/kg body weight (2002)
AcuteRfD 0.5 mg/kg body weight (2002)
RESIDUE Tolyfluanid.
Note Previous ADI, 0.1 mg/kg bw (1988).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FB 0264	Blackberries	5	3	02		
VC 0424	Cucumber	1	3	02		
FB 0021	Currants, Black, Red, White	5	CXL		(1991)	
FB 0021	Currants, Black, Red, White	0.5	3(a)	02		
VC 0425	Gherkin	2	CXL	02	(1991)	Withdrawal recommended (2002 JMPR).
FB 0269	Grapes		3	02		
DH 1100	Hops, Dry	50	3	02		
VA 0384	Leek	2	3	02		
VL 0482	Lettuce, Head	1	CXL		(1991)	
VL 0482	Lettuce, Head	0.2	3(a)	02		
VO 0445	Peppers, Sweet	2	3	02		
FP 0009	Pome fruits	5	CXL	02	(1991)	Confirmed (2002 JMPR)
FB 0272	Raspberries, Red, Black	5	3	02		
FB 0275	Strawberry	3	CXL		(1991)	
FB 0275	Strawberry	5	3(a)	02		
VO 0448	Tomato	2	CXL		(1991)	
VO 0448	Tomato	3	3(a)	02		

163 ANILAZINE

Main Uses 5 FUNGICIDE
JMPR 89, 92R
ADI 0.1 mg/kg body weight (1989)
RESIDUE Anilazine.
Note The CCPR-34 would consider revocation of all CXLs as this compound would not be supported (33.164).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0640	Barley	0.2		CXL-D		(1993)	
AS 0640	Barley straw and fodder, Dry	10		CXL-D		(1995)	
MM 0812	Cattle meat	0.02	(*)	CXL-D		(1995)	
MO 0812	Cattle, Edible offal of	0.02	(*)	CXL-D		(1995)	
VS 0624	Celery	10		CXL-D		(1995)	
PE 0112	Eggs	0.02	(*)	CXL-D		(1995)	
MM 0814	Goat meat	0.02	(*)	CXL-D		(1995)	
MO 0814	Goat, Edible offal of	0.02	(*)	CXL-D		(1995)	
ML 0106	Milks	0.01	(*)	CXL-D		(1995)	
PM 0110	Poultry meat	0.02	(*)	CXL-D		(1995)	
PO 0111	Poultry, Edible offal of	0.02	(*)	CXL-D		(1995)	
VO 0448	Tomato	10		CXL-D		(1995)	
GC 0654	Wheat	0.1		CXL-D		(1993)	
AS 0654	Wheat straw and fodder, Dry	10		CXL-D		(1995)	

164 DEMETON-S-METHYLSULPHON

Main Uses 8 INSECTICIDE
JMPR 73, 82T, 84, 89, 92R
ADI 0.0003 mg/kg body weight (1989)
RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl. ADI for the sum of these three compounds. See (166) oxydemeton-methyl.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001 See related compound(s)						

165 FLUSILAZOLE

Main Uses 5 FUNGICIDE
JMPR 89, 90R, 91R, 93R, 95T
ADI 0.001 mg/kg body weight (1989; confirmed 1995)
RESIDUE Flusilazole.
Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its 34th session (33.165).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FS 0240	Apricot	0.5		CXL		(1997)	Retained
FI 0327	Banana	0.1		CXL		(1993)	Retained
GC 0640	Barley	0.1		CXL		(1993)	Retained
AS 0640	Barley straw and fodder, Dry	2		CXL		(1993)	Retained
MF 0812	Cattle fat	0.01	(*)	CXL		(1993)	Retained
MM 0812	Cattle meat	0.01	(*)	CXL		(1993)	Retained
ML 0812	Cattle milk	0.01	(*)	CXL		(1993)	Retained
MO 0812	Cattle, Edible offal of	0.02	(*)	CXL		(1993)	Retained
PE 0840	Chicken eggs	0.01	(*)	CXL		(1993)	Retained
PM 0840	Chicken meat	0.01	(*)	CXL		(1993)	Retained
PO 0840	Chicken, Edible offal of	0.01	(*)	CXL		(1993)	Retained
DF 0269	Dried grapes (=currants, raisins and sultanas)	1		CXL		(1993)	Retained
FB 0269	Grapes	0.5		CXL		(1993)	Retained
FS 0245	Nectarine	0.5		CXL		(1995)	Retained
FS 0247	Peach	0.5		CXL		(1995)	Retained
FP 0009	Pome fruits	0.2		CXL		(1993)	Retained
SO 0495	Rape seed	0.05		CXL		(1993)	Retained
GC 0650	Rye	0.1		CXL		(1993)	Retained
AS 0650	Rye straw and fodder, Dry	2		CXL		(1993)	Retained
VR 0596	Sugar beet	0.01	(*)	CXL		(1993)	Retained
GC 0654	Wheat	0.1		CXL		(1993)	Retained
AS 0654	Wheat straw and fodder, Dry	2		CXL		(1993)	Retained

166 OXYDEMETON-METHYL

Main Uses 8 INSECTICIDE

JMPR 89, 92R, 98R', 02T

ADI 0.0003 mg/kg body weight (1989; for demeton-S-methyl and related compounds, alone or in combination)

AcuteRfD 0.002 mg/kg body weight (2002)

RESIDUE 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.

Note The residues will be the sum of oxydemeton-methyl and demeton-S-methylsulphon. Any inadvertent demeton-S-methyl would also be included.
The CCPR-32 requested detailed information on support for oxydemeton-methyl. After an extensive exchange of views on the residue definition the CCPR-32 agreed as a compromise solution to maintain the residue definition and to clarify that the residue definition and MRLs applied only to residues resulting from the use of oxydemeton-methyl by amending the note to the residue definition (32.139-140).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.05		6	73, 84, 92, 98	32, 33	Returned to current Step
GC 0640	Barley	0.05	(*)	6	73, 84, 92, 98	32, 33	Returned to current Step
AS 0640	Barley straw and fodder, Dry	2		6	98	32	Returned to current Step
VB 0041	Cabbages, Head	0.05	(*)	6	84, 92, 98	32, 33	Returned to current Step
MF 0812	Cattle fat	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
VD 0526	Common bean (dry)	0.1		6	98	32	Returned to current Step
SO 0691	Cotton seed	0.05		6	73, 92, 98	32, 33	Returned to current Step
PE 0112	Eggs	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
FB 0269	Grapes	0.1		6	73, 84, 92, 98	32, 33	Returned to current Step
VL 0480	Kale	0.01	(*)	6	84, 92, 98	32, 33	Returned to current Step
VB 0405	Kohlrabi	0.05		6	84, 92, 98	32, 33	Returned to current Step
FC 0204	Lemon	0.2		6	73, 92, 98	32, 33	Returned to current Step
MM 0097	Meat of cattle, pigs & sheep	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
ML 0106	Milks	0.01	(*)	6	73, 92, 98	32, 33	Returned to current Step
FC 0004	Oranges, Sweet, Sour	0.2		6	73, 92, 98	32, 33	Returned to current Step
FP 0230	Pear	0.05		6	73, 84, 92, 98	32, 33	Returned to current Step
MF 0818	Pig fat	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
VR 0589	Potato	0.05	(*)	6	73, 84, 92, 98	32, 33	Returned to current Step
PF 0111	Poultry fats	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
PM 0110	Poultry meat	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step

GC	0650 Rye	0.05	(*)	6	98	32	Returned to current Step
AS	0650 Rye straw and fodder, Dry	2		6	98	32	Returned to current Step
MF	0822 Sheep fat	0.05	(*)	6	73, 92, 98	32, 33	Returned to current Step
VR	0596 Sugar beet	0.05	(*)	6	73, 84, 92, 98	32, 33	Returned to current Step
AV	0596 Sugar beet leaves or tops	0.05	(*)	6	73, 79, 84, 92, 98	32, 33	Returned to current Step
GC	0654 Wheat	0.05	(*)	6	73, 84, 92, 98	32, 33	Returned to current Step
AS	0654 Wheat straw and fodder, Dry	2		6	98	32	Returned to current Step

167 TERBUFOS

Main Uses 14 NEMATICIDE
JMPR 89, 90
ADI 0.0002 mg/kg body weight (1989)
RESIDUE Sum of terbufos, its oxygen analogue and their sulphoxides and sulphones, expressed as terbufos.
Note The CCPR-34 would consider revocation of CXLs for barley and for straw and fodder (dry) of cereal grains as these uses were no longer supported (33.167).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI 0327	Banana	0.05		CXL		(1991)	
GC 0640	Barley	0.01	(*)	CXL-D		(1991)	
VB 0400	Broccoli	0.05	(*)	CXL		(1993)	
VB 0041	Cabbages, Head	0.05	(*)	CXL		(1993)	
MM 0812	Cattle meat	0.05	(*)	CXL		(1993)	
ML 0812	Cattle milk	0.01	(*)	CXL		(1991)	
MO 0812	Cattle, Edible offal of	0.05	(*)	CXL		(1993)	
PM 0840	Chicken meat	0.05	(*)	CXL		(1993)	
PO 0840	Chicken, Edible offal of	0.05	(*)	CXL		(1993)	
SB 0716	Coffee beans	0.05	(*)	CXL		(1993)	
PE 0112	Eggs	0.01	(*)	CXL		(1991)	
AV 1051	Fodder beet leaves or tops	1		CXL		(1991)	
GC 0645	Maize	0.01	(*)	CXL		(1991)	
AF 0645	Maize forage	1		CXL		(1991)	
SO 0485	Mustard seed	0.05	(*)	CXL		(1993)	
VA 0385	Onion, Bulb	0.05	(*)	CXL		(1993)	
SO 0697	Peanut	0.05	(*)	CXL		(1993)	
AL 0697	Peanut fodder	1		CXL		(1993)	
AL 1270	Peanut forage (green)	1		CXL		(1993)	
GC 0656	Popcorn	0.01	(*)	CXL		(1991)	
SO 0495	Rape seed	0.05	(*)	CXL		(1993)	
OC 0495	Rape seed oil, Crude	0.05	(*)	CXL		(1993)	
VD 0541	Soya bean (dry)	0.05	(*)	CXL		(1993)	

AS	0081	Straw and fodder (dry) of cereal grains	1		CXL	(1993)
VR	0596	Sugar beet	0.1		CXL	(1993)
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	(1993)
GC	0654	Wheat	0.01	(*)	CXL	(1991)

168 TRIADIMENOL

Main Uses 5 FUNGICIDE
JMPR 89, 92R, 95R (03T')(04R')
ADI 0.05 mg/kg body weight (1989)
RESIDUE Triadimenol.
The limits accommodate triadimenol residues resulting from the use of triadimefon and/or triadimenol.
Note Source of data resulting from the uses of: TF=triadimefon; TN=triadimenol.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
VS 0620	Artichoke globe	1		TF TN	CXL		(1997)	Source of data: triadimefon, triadimenol
FI 0327	Banana	0.2		TN	CXL		(1997)	Source of data: triadimenol
GC 0640	Barley	0.5		TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
AS 0640	Barley straw and fodder, Dry	5		TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
VD 0524	Chick-pea (dry)	0.05	(*)	TF	CXL		(1997)	Source of data: triadimefon
SB 0716	Coffee beans	0.1	(*)	TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
FB 0021	Currants, Black, Red, White	0.5		TF	CXL		(1997)	Source of data: triadimefon
PE 0112	Eggs	0.05	(*)	TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
AM 1051	Fodder beet	0.05	(*)	TF	CXL		(1997)	Source of data: triadimefon
AV 1051	Fodder beet leaves or tops	0.2		TF	CXL		(1997)	Source of data: triadimefon
VC 0045	Fruiting vegetables, Cucurbits	2		TF TN	CXL		(1997)	Source of data: triadimefon, triadimenol
FB 0269	Grapes	2		TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
DH 1100	Hops, Dry	5		TF	CXL		(1997)	Source of data: triadimefon
FI 0345	Mango	0.05	(*)	TF	CXL		(1997)	Source of data: triadimefon
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
ML 0106	Milks	0.01	(*)	TF TN	CXL		(1995)	Source of data: triadimefon, triadimenol
AS 0647	Oat straw and fodder, Dry	5		TF TN	CXL		(1997)	Source of data: triadimefon, triadimenol
GC 0647	Oats	0.2		TF TN	CXL		(1997)	Source of data: triadimefon, triadimenol
VA 0387	Onion, Welsh	0.05	(*)	TF TN	CXL		(1997)	Source of data: triadimefon, triadimenol
VP 0063	Peas (pods and succulent=immature seeds)	0.1		TF	CXL		(1997)	Source of data: triadimefon

VO	0445	Peppers, Sweet	0.1		TF	CXL	(1997)	Source of data: triadimefon
FI	0353	Pineapple	1	Po	TF	CXL	(1997)	Source of data: triadimefon
FP	0009	Pome fruits	0.5		TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
PM	0110	Poultry meat	0.05	(*)	TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
FB	0272	Raspberries, Red, Black	0.5		TF	CXL	(1997)	Source of data: triadimefon
GC	0650	Rye	0.2		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0650	Rye straw and fodder, Dry	5		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
VA	0389	Spring onion	0.05	(*)	TF	CXL	(1997)	Source of data: triadimefon
FB	0275	Strawberry	0.1		TF	CXL	(1997)	Source of data: triadimefon
VR	0596	Sugar beet	0.1	(*)	TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
AV	0596	Sugar beet leaves or tops	1		TF TN	CXL	(1997)	Source of data: triadimefon, triadimenol
VO	0448	Tomato	0.5		TF	CXL	(1997)	Source of data: triadimefon
GC	0654	Wheat	0.2		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol
AS	0654	Wheat straw and fodder, Dry	5		TF TN	CXL	(1995)	Source of data: triadimefon, triadimenol

169 CYROMAZINE

Main Uses 8 INSECTICIDE
JMPR 90, 92R
ADI 0.02 mg/kg body weight (1990)
RESIDUE Cyromazine.
Note 1992 JMPR decided to maintain the definition of residue established in 1990, not including melamine in the residue definition.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VS 0624	Celery	5		CXL		(1993)	
VC 0424	Cucumber	0.2		CXL		(1993)	
PE 0112	Eggs	0.2		CXL		(1993)	The MRL accommodates external animal treatment.
VL 0482	Lettuce, Head	5		CXL		(1993)	
VC 0046	Melons, except watermelon	0.2		CXL		(1993)	
ML 0106	Milks	0.01	(*)	CXL		(1993)	The MRL accommodates external animal treatment.
VO 0450	Mushrooms	5		CXL		(1993)	
VO 0051	Peppers	1		CXL		(1995)	
PM 0110	Poultry meat	0.05	(*)	CXL		(1993)	The MRL accommodates external animal treatment.
MM 0822	Sheep meat	0.05	(*)	CXL		(1993)	The MRL accommodates external animal treatment.
VO 0448	Tomato	0.5		CXL		(1993)	

170 HEXACONAZOLE

Main Uses 5 FUNGICIDE
JMPR 90, 93R
ADI 0.005 mg/kg body weight (1990)
RESIDUE Hexaconazole.
Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its next session (33.168).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.1		CXL		(1993)	
FI 0327	Banana	0.1		CXL		(1993)	
SB 0716	Coffee beans	0.05	(*)	CXL		(1993)	
FB 0269	Grapes	0.1		CXL		(1993)	
GC 0654	Wheat	0.1		CXL		(1995)	
AS 0654	Wheat straw and fodder, Dry	0.5		CXL		(1995)	

171 PROFENOFOS

Main Uses 8 INSECTICIDE

JMPR 90, 92R, 94R, 95R

ADI 0.01 mg/kg body weight (1990)

RESIDUE Profenofos.

Note The CCPR-34 would consider revocation of CXLs for Brussel sprouts; cabbages, head; cauliflower; common bean (pods and/or immature seeds); oranges, sweet, sour; soya bean (dry); soya bean oil, refined; sugar beet due to the lack of supportive data. (33.169)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VB 0402	Brussels sprouts	0.5		CXL-D		(1997)	
VB 0041	Cabbages, Head	1		CXL		(1997)	
VB 0404	Cauliflower	0.5		CXL-D		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	0.1		CXL-D		(1997)	
SO 0691	Cotton seed	2		CXL		(1997)	
OR 0691	Cotton seed oil, Edible	0.05	(*)	CXL		(1997)	
PE 0112	Eggs	0.02	(*)	CXL		(1995)	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1997)	
ML 0106	Milks	0.01	(*)	CXL		(1995)	
FC 0004	Oranges, Sweet, Sour	1		CXL-D		(1997)	
VO 0444	Peppers, Chili	5		CXL		(1997)	
VO 0445	Peppers, Sweet	0.5		CXL		(1997)	
VR 0589	Potato	0.05	(*)	CXL		(1995)	
VD 0541	Soya bean (dry)	0.05	(*)	CXL-D		(1995)	
OR 0541	Soya bean oil, Refined	0.05	(*)	CXL-D		(1995)	
VR 0596	Sugar beet	0.05	(*)	CXL-D		(1995)	
VO 0448	Tomato	2		CXL		(1995)	

172 BENTAZONE

Main Uses 7 HERBICIDE

JMPR 91, 94R, 95R, 98, 99

ADI 0.1 mg/kg body weight (1991, confirmed 1998)

RESIDUE Plant commodities: Sum of bentazone, 6-hydroxybentazone and 8-hydroxybentazone expressed as bentazone.
Animal commodities: Bentazone.

Note The 29th CCPR requested the JMPR to consider revising the residue definition for plant commodities (29.71).
Noting that existing and proposed MRLs are based on the sum of bentazone and its hydroxy metabolites, the 1998 JMPR agreed that it was necessary to review all the studies on metabolism before taking a decision and recommended that residue definition should be considered at the next periodic review.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL	1021	Alfalfa forage (green)	2		CXL		(1997)	
GC	0640	Barley	0.1		CXL		(1997)	
VD	0071	Beans (dry)	0.05	(*)	CXL		(1997)	
VD	0523	Broad bean (dry)	0.05	(*)	CXL		(1997)	
VP	0526	Common bean (pods and/or immature seeds)	0.2		CXL		(1997)	
PE	0112	Eggs	0.05	(*)	CXL		(1997)	
VD	0561	Field pea (dry)	1		CXL		(1997)	
VP	0528	Garden pea (young pods)	0.2		CXL		(1995)	
VP	0534	Lima bean (young pods and/or immature beans)	0.05		CXL		(1995)	
SO	0693	Linseed	0.1		CXL		(1995)	
GC	0645	Maize	0.2		CXL		(1997)	
AS	0645	Maize fodder	0.2		CXL		(1997)	
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL		(1997)	
ML	0106	Milks	0.05	(*)	CXL		(1997)	
GC	0647	Oats	0.1		CXL		(1997)	
VA	0385	Onion, Bulb	0.1		CXL		(1995)	
SO	0697	Peanut	0.05		CXL		(1995)	
VR	0589	Potato	0.1		CXL		(1997)	
GC	0649	Rice	0.1		CXL		(1997)	

GC	0650 Rye	0.1		CXL	(1997)
GC	0651 Sorghum	0.1		CXL	(1997)
VD	0541 Soya bean (dry)	0.05	(*)	CXL	(1995)
GC	0654 Wheat	0.1		CXL	(1997)

173 BUPROFEZIN

Main Uses 8 INSECTICIDE
JMPR 91, 95R, 99TR
ADI 0.01 mg/kg body weight (1991)
RESIDUE Buprofezin (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VC 0424	Cucumber	1	CXL		(1997)	
FC 0004	Oranges, Sweet, Sour	0.5	CXL		(2001)	
VO 0448	Tomato	1	CXL		(1997)	

174 CADUSAFOS

Main Uses 8 INSECTICIDE
JMPR 91, 92R
ADI 0.0003 mg/kg body weight (1991)
RESIDUE Cadusafos.

Commodity Code	Commodity Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI 0327	Banana	0.01	(*)	CXL		(1995)	1992 JMPR noted that cadusafos was recovered quantitatively from bananas at fortification levels of 0.05 and 0.25 mg/kg.
VR 0589	Potato	0.02		CXL		(1995)	

175 GLUFOSINATE-AMMONIUM

Main Uses 7 HERBICIDE

JMPR 91, 94R, 98R, 99R

ADI 0.02 mg/kg body weight (1999; for glufosinate-ammonium, 3-[hydroxy(methyl)phosphinoyl]propionic acid and N-acetyl-glufosinate, alone or in combination)

RESIDUE Sum of glufosinate-ammonium, 3-[hydroxy(methyl)phosphinoyl]propionic acid and N-acetyl-glufosinate, calculated as glufosinate (free acid).

Note Previous ADI, 0.02 mg/kg bw for glufosinate-ammonium (1991).
Residue definition changed by the 1999 JMPR.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AM 0660	Almond hulls	0.5		8	98	32	
VS 0621	Asparagus	0.05	(*)	CXL		(1997)	
FI 0030	Assorted tropical and sub-tropical fruits - inedible peel	0.05	(*)	8	98	32	Except banana.
FI 0327	Banana	0.2		CXL		(1997)	
FB 0018	Berries and other small fruits	0.1		CXL		(1997)	Except currants.
VD 0523	Broad bean (dry)	2		CXL		(1997)	
VR 0577	Carrot	0.05	(*)	CXL		(1997)	
FC 0001	Citrus fruits	0.1		CXL		(1997)	
VD 0526	Common bean (dry)	2		CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	0.05	(*)	CXL		(1997)	
VL 0470	Corn salad	0.05	(*)	CXL		(1997)	
FB 0021	Currants, Black, Red, White	0.5		CXL		(1997)	
MO 0105	Edible offal (mammalian)	0.1	(*)	8	99	33	
PE 0112	Eggs	0.05	(*)	8	99	33	
FI 0341	Kiwifruit	0.05	(*)	CXL-D	98	(1997)	
GC 0645	Maize	0.1		CXL		(1997)	
AS 0645	Maize fodder	10	(*)	8	99	33	Delete (*)
AF 0645	Maize forage	0.2		CXL		(1997)	
AF 0645	Maize forage	5		6(a)	99	33	Returned to current Step
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	8	99	33	
ML 0106	Milks	0.02	(*)	8	99	33	

VA	0385 Onion, Bulb	0.05		CXL		(1997)	
VD	0072 Peas (dry)	3		CXL		(1997)	
FP	0009 Pome fruits	0.05	(*)	CXL		(1997)	
VR	0589 Potato	0.5		CXL		(1997)	
PM	0110 Poultry meat	0.05	(*)	8	99	33	
PO	0111 Poultry, Edible offal of	0.1	(*)	8	99	33	
SO	0495 Rape seed	5		CXL		(1997)	
OC	0495 Rape seed oil, Crude	0.05	(*)	CXL		(1997)	
VD	0541 Soya bean (dry)	0.1		CXL-D		(1997)	
VD	0541 Soya bean (dry)	2		6(a)	99	33	Returned to current Step
FS	0012 Stone fruits	0.05	(*)	CXL		(1997)	
VR	0596 Sugar beet	0.05	(*)	CXL		(1997)	
AV	0596 Sugar beet leaves or tops	0.1		CXL		(1997)	
SO	0702 Sunflower seed	5		CXL		(1997)	
OC	0702 Sunflower seed oil, Crude	0.05	(*)	CXL		(1997)	
TN	0085 Tree nuts	0.1		8	98	32	

176 HEXYTHIAZOX

Main Uses 1 ACARICIDE
JMPR 91, 94R, 98R
ADI 0.03 mg/kg body weight (1991)
RESIDUE Hexythiazox.

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.5	CXL		(1997)	
FS 0013	Cherries	1	CXL		(1997)	
FC 0001	Citrus fruits	0.5	CXL		(1997)	
VP 0526	Common bean (pods and/or immature seeds)	0.5	CXL		(1997)	
VC 0424	Cucumber	0.1	CXL		(1997)	
FB 0279	Currant, Red, White	0.2	CXL		(1997)	
FB 0269	Grapes	1	CXL		(1997)	
DH 1100	Hops, Dry	2	CXL		(2001)	
FS 0247	Peach	1	CXL		(1997)	
FP 0230	Pear	0.5	CXL		(1997)	
FS 0014	Plums (including prunes)	0.2	CXL		(1997)	
FB 0275	Strawberry	0.5	CXL		(1997)	
VO 0448	Tomato	0.1	CXL		(1997)	

177 ABAMECTIN

Main Uses 8 INSECTICIDE

JMPR 92, 94, 95T, 97, 00R

ADI 0.002 mg/kg body weight for sum of abamectin & 8,9-Z-isomer (1997)

RESIDUE Plant commodities: Sum of avermectin B1a, avermectin B1b, 8,9-Z-avermectin B1a and 8,9-Z-avermectin B1b.
Animal commodities: Sum of avermectin B1a and 8,9-Z-avermectin B1a.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AM 0660	Almond hulls	0.1		CXL		(2001)	
TN 0660	Almonds	0.01	(*)	CXL		(2001)	
FP 0226	Apple	0.02		CXL		(2001)	
MF 0812	Cattle fat	0.1		CXL		(2001)	The MRL accommodates external animal treatment.
MO 1280	Cattle kidney	0.05		CXL		(2001)	The MRL accommodates external animal treatment.
MO 1281	Cattle liver	0.1		CXL		(2001)	The MRL accommodates external animal treatment.
MM 0812	Cattle meat	0.01	(*)	CXL		(2001)	
ML 0812	Cattle milk	0.005		CXL		(2001)	
FC 0001	Citrus fruits	0.01	(*)	CXL		(2001)	
SO 0691	Cotton seed	0.01	(*)	CXL		(2001)	
VC 0424	Cucumber	0.01		CXL		(2001)	
MM 0814	Goat meat	0.01	(*)	CXL		(2001)	
ML 0814	Goat milk	0.005		CXL		(2001)	
MO 0814	Goat, Edible offal of	0.1		CXL		(2001)	
DH 1100	Hops, Dry	0.1		CXL		(2001)	
VL 0483	Lettuce, Leaf	0.05		CXL		(2001)	
VC 0046	Melons, except watermelon	0.01	(*)	CXL		(2001)	
FP 0230	Pear	0.02		CXL		(2001)	
VO 0445	Peppers, Sweet	0.02		CXL		(2001)	
VR 0589	Potato	0.01	(*)	CXL		(2001)	
VC 0431	Squash, Summer	0.01	(*)	CXL		(2001)	
FB 0275	Strawberry	0.02		CXL		(2001)	
VO 0448	Tomato	0.02		CXL		(2001)	
TN 0678	Walnuts	0.01	(*)	CXL		(2001)	

VC	0432 Watermelon	0.01	(*)	CXL	(2001)

178 BIFENTHRIN

Main Uses 8 INSECTICIDE/ACARICIDE
JMPR 92, 95R, 96R, 97R
ADI 0.02 mg/kg body weight (1992)
RESIDUE Bifenthrin (fat-soluble).
Note The CCPR-31 was informed of processing (milling) studies in progress (31.100).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
GC	0640 Barley	0.05	(*)		CXL		(1999)	Residues are not expected to exceed 0.01 mg/kg.
AS	0640 Barley straw and fodder, Dry	0.5			CXL		(1995)	
MF	0812 Cattle fat	0.5			CXL		(1999)	
MO	1280 Cattle kidney	0.05	(*)		CXL		(1995)	
MO	1281 Cattle liver	0.05	(*)		CXL		(1995)	
MM	0812 Cattle meat	0.5		(fat)	CXL		(1995)	
ML	0812 Cattle milk	0.05	(*)		CXL		(1999)	
PE	0840 Chicken eggs	0.01	(*)		CXL		(1995)	
PF	0840 Chicken fat	0.05	(*)		CXL		(1995)	
PM	0840 Chicken meat	0.05	(*)	(fat)	CXL		(1995)	
PO	0840 Chicken, Edible offal of	0.05	(*)		CXL		(1995)	
FC	0203 Grapefruit	0.05	(*)		CXL		(1995)	Residues are not expected to exceed 0.01 mg/kg.
DH	1100 Hops, Dry	10			CXL		(1997)	
FC	0204 Lemon	0.05	(*)		CXL		(1995)	Residues may occur near this level.
GC	0645 Maize	0.05	(*)		CXL		(1999)	Residues are not expected to exceed 0.01 mg/kg.
AS	0645 Maize fodder	0.2			CXL		(1995)	
AF	0645 Maize forage	0.05	(*)		CXL		(1995)	
FC	0208 Orange, Sweet	0.05	(*)		CXL		(1995)	Residues may occur near this level.
FP	0230 Pear	0.5			CXL		(1995)	
VR	0589 Potato	0.05	(*)		CXL		(1995)	Residues are not expected to exceed 0.01 mg/kg.
FB	0275 Strawberry	1			CXL		(1995)	
GC	0654 Wheat	0.5		Po	CXL		(1999)	
CM	0654 Wheat bran, Unprocessed	2		PoP	CXL		(1999)	
CF	1211 Wheat flour	0.2		PoP	CXL		(1999)	

AF	0654 Wheat forage (whole plant)	0.2		CXL	(1995)
AS	0654 Wheat straw and fodder, Dry	0.5		CXL	(1995)
CF	1212 Wheat wholemeal	0.5	PoP	CXL	(1999)

179 CYCLOXYDIM

Main Uses 7 HERBICIDE
JMPR 92, 93R
ADI 0.07 mg/kg body weight (1992)
RESIDUE Sum of 3-thian-3-ylglutaric acid (TME) and 3-hydroxy-3-thian-3-ylglutaric acid (OH-TME), expressed as cycloxydim.

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VD	0071 Beans (dry)	2	CXL		(1997)	
VB	0040 Brassica vegetables	2	CXL		(1995)	
VR	0577 Carrot	0.5	CXL		(1995)	
VP	0526 Common bean (pods and/or immature seeds)	1	CXL		(1995)	
FB	0269 Grapes	0.5	CXL		(1997)	
VA	0384 Leek	0.2	CXL		(1995)	
VL	0482 Lettuce, Head	0.2	CXL		(1997)	
VL	0483 Lettuce, Leaf	0.2	CXL		(1997)	
VP	0063 Peas (pods and succulent=immature seeds)	1	CXL		(1997)	
VP	0064 Peas, Shelled (succulent seeds)	2	CXL		(1997)	
VR	0589 Potato	2	CXL		(1997)	
SO	0495 Rape seed	2	CXL		(1995)	
VD	0541 Soya bean (dry)	2	CXL		(1997)	
FB	0275 Strawberry	0.5	CXL		(1997)	
VR	0596 Sugar beet	0.2	CXL		(1995)	
AV	0596 Sugar beet leaves or tops	1	CXL		(1995)	

180 DITHIANON

Main Uses 5 FUNGICIDE
JMPR 92, 95R
ADI 0.01 mg/kg body weight (1992)
RESIDUE Dithianon.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FS 0013	Cherries	5	CXL		(1997)	
FB 0269	Grapes	3	CXL		(1997)	
DH 1100	Hops, Dry	100	CXL		(1995)	
FC 0206	Mandarin	3	CXL		(1995)	
FP 0009	Pome fruits	5	CXL		(1997)	
FC 0005	Shaddocks or pomelos	3	CXL		(1995)	

181 MYCLOBUTANIL

Main Uses 5 FUNGICIDE
JMPR 92, 97R, 97R, 98R (01R)
ADI 0.03 mg/kg body weight (1992)
RESIDUE Myclobutanil.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI	0327	Banana	2		CXL		(2001)	
MM	0812	Cattle meat	0.01	(*)	CXL		(1995)	
ML	0812	Cattle milk	0.01	(*)	CXL		(1995)	
MO	0812	Cattle, Edible offal of	0.01	(*)	CXL		(1995)	
FB	0278	Currant, Black	0.5		CXL		(1999)	
PE	0112	Eggs	0.01	(*)	CXL		(1995)	
FB	0269	Grapes	1		CXL		(1997)	
DH	1100	Hops, Dry	2		CXL		(2001)	
FS	0014	Plums (including prunes)	0.2		CXL		(1997)	
FP	0009	Pome fruits	0.5		CXL		(1997)	
PM	0110	Poultry meat	0.01	(*)	CXL		(1995)	
PO	0111	Poultry, Edible offal of	0.01	(*)	CXL		(1995)	
DF	0014	Prunes	0.5		CXL		(1995)	
FS	0012	Stone fruits	2		CXL		(2001)	Except plums
FB	0275	Strawberry	1		CXL		(2001)	
VO	0448	Tomato	0.3		CXL		(1999)	

182 PENCONAZOLE

Main Uses 5 FUNGICIDE
JMPR 92, 95R
ADI 0.03 mg/kg body weight (1992)
RESIDUE Penconazole.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.05	(*)	CXL		(1995)	
ML 0812	Cattle milk	0.01	(*)	CXL		(1995)	
MO 0812	Cattle, Edible offal of	0.05	(*)	CXL		(1995)	
PE 0840	Chicken eggs	0.05	(*)	CXL		(1995)	
PM 0840	Chicken meat	0.05	(*)	CXL		(1995)	
VC 0424	Cucumber	0.1		CXL		(1997)	
DF 0269	Dried grapes (=currants, raisins and sultanas)	0.5		CXL		(1997)	
FB 0269	Grapes	0.2		CXL		(1997)	
DH 1100	Hops, Dry	0.5		CXL		(1995)	
VC 0046	Melons, except watermelon	0.1		CXL		(1997)	
FS 0245	Nectarine	0.1		CXL		(1995)	
FS 0247	Peach	0.1		CXL		(1995)	
FP 0009	Pome fruits	0.2		CXL		(1997)	
FB 0275	Strawberry	0.1		CXL		(1997)	
VO 0448	Tomato	0.2		CXL		(1997)	

184 ETOFENPROX

Main Uses 8 INSECTICIDE
JMPR 93
ADI 0.03 mg/kg body weight (1993)
RESIDUE Etofenprox (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0009	Pome fruits	1		CXL		(1997)	
VR 0589	Potato	0.01	(*)	CXL		(1995)	

185 FENPROPATHRIN

Main Uses 8 INSECTICIDE/ACARICIDE
JMPR 93
ADI 0.03 mg/kg body weight (1993)
RESIDUE Fenpropathrin (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.5	(fat)	CXL		(1997)	
ML 0812	Cattle milk	0.1	F	CXL		(1997)	
MO 0812	Cattle, Edible offal of	0.05		CXL		(1995)	
SO 0691	Cotton seed	1		CXL		(1995)	
OC 0691	Cotton seed oil, Crude	3		CXL		(1995)	
VO 0440	Egg plant	0.2		CXL		(1997)	
PE 0112	Eggs	0.01	(*)	CXL		(1995)	
VC 0425	Gherkin	0.2		CXL		(1995)	
FB 0269	Grapes	5		CXL		(1997)	
VO 0445	Peppers, Sweet	1		CXL		(1995)	
FP 0009	Pome fruits	5		CXL		(1995)	
PM 0110	Poultry meat	0.02	(fat)	CXL		(1995)	
PO 0111	Poultry, Edible offal of	0.01	(*)	CXL		(1995)	
VO 0448	Tomato	1		CXL		(1995)	

186 METIRAM

Main Uses 5 FUNGICIDE
JMPR 93T, 95R
ADI 0.03 mg/kg body weight (1993)
RESIDUE See (105) dithiocarbamates.
ADI is group ADI for EBDCs.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0001	See related compound(s)					

187 CLETHODIM

Main Uses 7 HERBICIDE

JMPR 94, 97R, 99TR

ADI 0.01 mg/kg body weight (1994)

RESIDUE Sum of clethodim and its metabolites containing 5-(2-ethylthiopropyl)cyclohexene-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexene-3-one moieties and their sulphoxides and sulphones, expressed as clethodim.

Note Written information was requested to be sent to the JMPR Secretaries on what and when data would be available (30.79).
Written comments on this compound were invited once again to be sent to the JMPR Secretariat (31.101).
The CCPR-32 requested governments and other interested organizations to submit available information and relevant comments on analytical methods and LODs to be considered by the ad hoc working group on methods of analysis and sampling (32.145)
The CCPR-33 noted the absence of a suitable method of analysis. The CCPR-34 would this compound with respect to the methodology of residue analysis with the understanding that without the method of anaysis MRLs would not be advanced further. (33.175)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	10		6	97	31, 32, 33	Returned to current Step
AL 0061	Bean fodder	10		6	99	33	Returned to current Step
AL 1030	Bean forage (green)	5		6	99	33	Returned to current Step
VD 0071	Beans (dry)	2		6	94, 97, 99	28, 31, 33	Returned to current Step
VP 0061	Beans, except broad bean and soya bean	0.5	(*)	6	97	31, 32, 33	Returned to current Step
SO 0691	Cotton seed	0.5		6	94	28, 31, 32, 33	Returned to current Step
OC 0691	Cotton seed oil, Crude	0.5	(*)	6	94, 97	28, 31, 32, 33	Returned to current Step
OR 0691	Cotton seed oil, Edible	0.5	(*)	6	94, 97	28, 31, 32, 33	Returned to current Step
MO 0105	Edible offal (mammalian)	0.2	(*)	6	99	33	Returned to current Step
PE 0112	Eggs	0.05	(*)	6	99	33	Returned to current Step
VD 0561	Field pea (dry)	2		6	94, 97	28, 31, 32, 33	Returned to current Step
AM 1051	Fodder beet	0.1	(*)	6	97	31, 32, 33	Returned to current Step
VA 0381	Garlic	0.5		6	97	31, 32, 33	Returned to current Step
MM 0095	Meat (from mammals other than marine mammals)	0.2	(*)	6	99	33	Returned to current Step
ML 0106	Milks	0.05	(*)	6	99	33	Returned to current Step
VA 0385	Onion, Bulb	0.5		6	97	31, 32, 33	Returned to current Step
SO 0697	Peanut	5		6	97	31, 32, 33	Returned to current Step

VR	0589 Potato	0.5		6	94, 99	28, 31, 33	Returned to current Step
PM	0110 Poultry meat	0.2	(*)	6	99	33	Returned to current Step
PO	0111 Poultry, Edible offal of	0.2	(*)	6	99	33	Returned to current Step
SO	0495 Rape seed	0.5		6	94	28, 31, 32, 33	Returned to current Step
OC	0495 Rape seed oil, Crude	0.5	(*)	6	94, 97	28, 31, 32, 33	Returned to current Step
OR	0495 Rapeseed oil, Edible	0.5	(*)	6	94, 97	28, 31, 32, 33	Returned to current Step
VD	0541 Soya bean (dry)	10		6	94	28, 31, 32, 33	Returned to current Step
OC	0541 Soya bean oil, Crude	1		6	94	28, 31, 32, 33	Returned to current Step
OR	0541 Soya bean oil, Refined	0.5	(*)	6	94, 97	28, 31, 32, 33	Returned to current Step
VR	0596 Sugar beet	0.1		6	94, 97	28, 31, 32, 33	Returned to current Step
SO	0702 Sunflower seed	0.5		6	94, 97, 99	28, 31, 33	Returned to current Step
OC	0702 Sunflower seed oil, Crude	0.1	(*)	6	94, 97, 99	28, 31, 33	Returned to current Step
VO	0448 Tomato	1		6	97	31, 32, 33	Returned to current Step

188 FENPROPIMORPH

Main Uses 5 FUNGICIDE
JMPR 94T, 95R, 99R, 01T
ADI 0.003 mg/kg body weight (1994)
AcuteRfD 1 mg/kg body weight (2001)
RESIDUE Plant products: Fenpropimorph.
Animal products: 2-Methyl-2-{4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl}propionic acid, expressed as fenpropimorph

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI	0327	Banana	2		8	99	33	
GC	0640	Barley	0.5		CXL		(2001)	
AS	0640	Barley straw and fodder, Dry	5		CXL		(2001)	
PE	0112	Eggs	0.01	(*)	CXL		(2001)	
AV	1051	Fodder beet leaves or tops	1		CXL		(2001)	
MO	0098	Kidney of cattle, goats, pigs & sheep	0.05		CXL		(2001)	
MO	0099	Liver of cattle, goats, pigs & sheep	0.3		CXL		(2001)	
MF	0100	Mammalian fats (except milk fats)	0.01		CXL		(2001)	
MM	0095	Meat (from mammals other than marine mammals)	0.02		CXL		(2001)	
ML	0106	Milks	0.01		CXL		(2001)	
AS	0647	Oat straw and fodder, Dry	5		CXL		(2001)	
GC	0647	Oats	0.5		CXL		(2001)	
PF	0111	Poultry fats	0.01	(*)	CXL		(2001)	
PM	0110	Poultry meat	0.01	(*)	CXL		(2001)	
PO	0111	Poultry, Edible offal of	0.01	(*)	CXL		(2001)	
GC	0650	Rye	0.5		CXL		(2001)	
AS	0650	Rye straw and fodder, Dry	5		CXL		(2001)	
VR	0596	Sugar beet	0.05	(*)	CXL		(2001)	
AV	0596	Sugar beet leaves or tops	1		CXL		(2001)	
GC	0654	Wheat	0.5		CXL		(2001)	

AS	0654 Wheat straw and fodder, Dry	5	CXL	(2001)

189 TEBUCONAZOLE

Main Uses 5 FUNGICIDE
JMPR 94, 97R
ADI 0.03 mg/kg body weight (1994)
RESIDUE Tebuconazole.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FI 0327	Banana	0.05		CXL		(1999)	
GC 0640	Barley	0.2		CXL		(1997)	
AS 0640	Barley straw and fodder, Dry	10		CXL		(1997)	
MM 0812	Cattle meat	0.05	(*)	CXL		(1997)	
ML 0812	Cattle milk	0.01	(*)	CXL		(1997)	
MO 0812	Cattle, Edible offal of	0.05	(*)	CXL		(1997)	
FS 0013	Cherries	5		CXL		(2001)	
PE 0840	Chicken eggs	0.05	(*)	CXL		(1997)	
PM 0840	Chicken meat	0.05	(*)	CXL		(1997)	
PO 0840	Chicken, Edible offal of	0.05	(*)	CXL		(1997)	
VC 0424	Cucumber	0.2		CXL		(1999)	
DF 0269	Dried grapes (=currants, raisins and sultanas)	3		CXL		(2001)	
FB 0269	Grapes	2		CXL		(2001)	
GC 0647	Oats	0.05	(*)	CXL		(1999)	
FS 0247	Peach	1		CXL		(1999)	
SO 0697	Peanut	0.05		CXL		(1997)	
AL 0697	Peanut fodder	30		CXL		(1997)	
VO 0445	Peppers, Sweet	0.5		CXL		(1999)	
FP 0009	Pome fruits	0.5		CXL		(1999)	
SO 0495	Rape seed	0.05		CXL		(1997)	
GC 0650	Rye	0.05	(*)	CXL		(1997)	
AS 0650	Rye straw and fodder, Dry	5		CXL		(1997)	
VC 0431	Squash, Summer	0.02		CXL		(1997)	
VO 0448	Tomato	0.2		CXL		(1997)	

GC	0654 Wheat	0.05	CXL	(1997)
AS	0654 Wheat straw and fodder, Dry	10	CXL	(1997)

190 TEFLUBENZURON

Main Uses 9 INSECT GROWTH REGULATOR
JMPR 94T, 96R
ADI 0.01 mg/kg body weight (1994)
RESIDUE Teflubenzuron (fat-soluble)

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
VB 0402	Brussels sprouts	0.5		CXL		(1999)	
VB 0041	Cabbages, Head	0.2		CXL		(1999)	
FS 0014	Plums (including prunes)	0.1		CXL		(1999)	
FP 0009	Pome fruits	1		CXL		(1999)	
VR 0589	Potato	0.05	(*)	CXL		(1999)	

191 TOLCLOFOS-METHYL

Main Uses 5 FUNGICIDE
JMPR 94
ADI 0.07 mg/kg body weight (1994)
RESIDUE Tolclofos-methyl.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VL 0482	Lettuce, Head	2	CXL		(1997)	
VL 0483	Lettuce, Leaf	2	CXL		(1997)	
VR 0589	Potato	0.2	CXL		(1997)	
VR 0494	Radish	0.1	CXL		(1997)	

192 FENARIMOL

Main Uses 5 FUNGICIDE
JMPR 95, 96R
ADI 0.01 mg/kg body weight (1995)
RESIDUE Fenarimol.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AB	0226	Apple pomace, Dry	5		CXL		(1999)	
VS	0620	Artichoke globe	0.1		CXL		(1997)	
FI	0327	Banana	0.2		CXL		(1997)	
MO	1280	Cattle kidney	0.02	(*)	CXL		(1999)	
MO	1281	Cattle liver	0.05		CXL		(1999)	
MM	0812	Cattle meat	0.02	(*)	CXL		(1999)	
FS	0013	Cherries	1		CXL		(1997)	
DF	0269	Dried grapes (=currants, raisins and sultanas)	0.2		CXL		(1999)	
FB	0269	Grapes	0.3		CXL		(1999)	
DH	1100	Hops, Dry	5		CXL		(1999)	
VC	0046	Melons, except watermelon	0.05		CXL		(1997)	
FS	0247	Peach	0.5		CXL		(1999)	
TN	0672	Pecan	0.02	(*)	CXL		(1997)	
VO	0445	Peppers, Sweet	0.5		CXL		(1999)	
FP	0009	Pome fruits	0.3		CXL		(1999)	
FB	0275	Strawberry	1		CXL		(1997)	

193 FENPYROXIMATE

Main Uses 1 ACARICIDE
JMPR 95, 99R
ADI 0.01 mg/kg body weight (1995)
RESIDUE Fenpyroximate (fat-soluble).
Note The 1995 JMPR estimated a maximum residue level for apple (0.09 mg/kg), but owing to the lack of critical supporting data this is not recommended for use as an MRL.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FP 0226	Apple	0.3		6	99	33	Returned to current Step
MO 1280	Cattle kidney	0.01	(*)	8	99	33	
MO 1281	Cattle liver	0.01	(*)	8	99	33	
MM 0812	Cattle meat	0.02	(fat)	8	99	33	
ML 0812	Cattle milk	0.005	(*) F	8	99	33	
FB 0269	Grapes	1		6	99	33	Returned to current Step
DH 1100	Hops, Dry	10		8	99	33	
FC 0004	Oranges, Sweet, Sour	0.2		6	99	33	Returned to current Step

194 HALOXYFOP

Main Uses 7 HERBICIDE

JMPR 95, 96R, 01R

ADI 0.0003 mg/kg body weight (1995)

RESIDUE Haloxyfop esters, haloxyfop and its conjugates expressed as haloxyfop.

Note The CCPR-30 was informed that new animal transfer studies would be available later in 1998. Written comments were requested from a number of countries for consideration by the 31st CCPR (30.82). The CCPR-31 postponed discussions to the 32nd Session to fully consider these written comments (31.102). The CCPR-32 noted that new residues data for haloxyfop in several crops had recently been evaluated in Australia, including new transfer and depletion studies in beef and diary animals. The new studies would be made available to the 2001 JMPR. Pending animal transfer studies, the CCPR-32 returned the MRLs for commodities which could be used as feeding stuffs, and for animal products to Step 6. (32.147-148)
The CCPR-33 noted the JMPR's review of this compound in 2001 and would consider this compound at its next session. (33.194)
Acute RfD may be necessary but has not been established (2001 JMPR).
The information provided to the JMPR precludes an estimate that the dietary intake would be below the ADI (2001 JMPR).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	5		fresh wt	3	95, 96, 01		
FI 0327	Banana	0.05	(*)		CXL		(2001)	
MO 1280	Cattle kidney	1			3	01		
MO 1281	Cattle liver	0.5			3	01		
MM 0812	Cattle meat	0.05			3	01		
ML 0812	Cattle milk	0.3			3	01		
PE 0840	Chicken eggs	0.01	(*)		6	96, 01	30, 32, 33	Returned to current Step
PM 0840	Chicken meat	0.01	(*)		6	96, 01	30, 32, 33	Returned to current Step
PO 0840	Chicken, Edible offal of	0.05			6	96, 01	30, 32, 33	Returned to current Step
FC 0001	Citrus fruits	0.05	(*)		CXL		(2001)	
SO 0691	Cotton seed	0.2			6	96	30, 32, 33	Returned to current Step
OC 0691	Cotton seed oil, Crude	0.5			6	96	30, 32, 33	Returned to current Step
AM 1051	Fodder beet	0.3			6	96	30, 32, 33	Returned to current Step
AV 1051	Fodder beet leaves or tops	0.3		fresh wt	3	95, 96, 01		
FB 0269	Grapes	0.05	(*)		CXL		(2001)	
SO 0697	Peanut	0.05			6	96	30, 32, 33	Returned to current Step
VP 0063	Peas (pods and succulent=immature seeds)	0.2			6	96	30, 32, 33	Returned to current Step
FP 0009	Pome fruits	0.05	(*)		CXL		(2001)	

VR	0589	Potato	0.1			6	96	30, 32, 33	Returned to current Step
VD	0070	Pulses	0.2			6	96	30, 32, 33	Returned to current Step
SO	0495	Rape seed	2			6	96	30, 32, 33	Returned to current Step
OC	0495	Rape seed oil, Crude	5			6	96	30, 32, 33	Returned to current Step
OR	0495	Rapeseed oil, Edible	5			6	96	30, 32, 33	Returned to current Step
CM	1206	Rice bran, Unprocessed	0.02	(*)		6	96	30, 32, 33	Returned to current Step
CM	0649	Rice, Husked	0.02	(*)		6	96	30, 32, 33	Returned to current Step
CM	1205	Rice, Polished	0.02	(*)		6	96	30, 32, 33	Returned to current Step
OC	0541	Soya bean oil, Crude	0.2			6	96	30, 32, 33	Returned to current Step
OR	0541	Soya bean oil, Refined	0.2			6	96	30, 32, 33	Returned to current Step
VR	0596	Sugar beet	0.3			6	96	30, 32, 33	Returned to current Step
AV	0596	Sugar beet leaves or tops	0.3		fresh wt	3	95, 96, 01		
SO	0702	Sunflower seed	0.2			6	96	30, 32, 33	Returned to current Step

195 FLUMETHRIN

Main Uses 8 INSECTICIDE
JMPR 96
ADI 0.004 mg/kg body weight (1996)
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 Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.2	(fat)	CXL		(1999)	On carcass fat basis. The MRL accommodates external animal treatment.
ML 0812	Cattle milk	0.05	F	CXL		(1999)	The MRL accommodates external animal treatment.

196 TEBUFENOZIDE

Main Uses 8 INSECTICIDE
JMPR 96, 97R, 99R, 01
ADI 0.02 mg/kg body weight (1996)
AcuteRfD 0.05 mg/kg body weight (2001)
RESIDUE Tebufenozide (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
AM 0660	Almond hulls	30		3	01		
TN 0660	Almonds	0.05		3	01		
FI 0326	Avocado	1		3	01		
FB 0020	Blueberries	3		3	01		
VB 0400	Broccoli	0.5		3	01		
VB 0041	Cabbages, Head	5		3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
MO 1280	Cattle kidney	0.02	(*)	3	01		
MO 1281	Cattle liver	0.02	(*)	3	01		
MM 0812	Cattle meat	0.05	(fat)	3	01		
ML 0812	Cattle milk	0.01	(*)	3	01		
FC 0001	Citrus fruits	2		3	01		
FB 0265	Cranberry	0.5		3	01		
DF 0269	Dried grapes (=currants, raisins and sultanas)	2		3	01		
PE 0112	Eggs	0.02	(*)	3	01		
FB 0269	Grapes	2		6	96, 99, 01	30, 31, 33	Returned to current Step
FI 0341	Kiwifruit	0.5		CXL		(1999)	
VL 0053	Leafy vegetables	10		3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
HH 0738	Mints	20		3	01		
FS 0245	Nectarine	0.5		3	01		
FS 0247	Peach	0.5		3	01		

TN	0672 Pecan	0.01	(*)	3	01		
VO	0051 Peppers	1		3	01		
FP	0009 Pome fruits	1		CXL		(1999)	Confirmed (1999 JMPR)
PM	0110 Poultry meat	0.02	(*)	3	01		
SO	0495 Rape seed	2		3	01		
FB	0272 Raspberries, Red, Black	2		3	01		
CM	0649 Rice, Husked	0.1		CXL		(1999)	
GS	0659 Sugar cane	1		3	01		
VO	0448 Tomato	1		3	01		
TN	0678 Walnuts	0.05		CXL		(1999)	

197 FENBUCONAZOLE

Main Uses 5 FUNGICIDE
JMPR 97 (02R)
ADI 0.03 mg/kg body weight (1997)
RESIDUE Fenbuconazole (fat soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
FS 0240	Apricot	0.5		CXL		(2001)	
FI 0327	Banana	0.05		CXL		(1999)	
GC 0640	Barley	0.2		CXL		(2001)	
AS 0640	Barley straw and fodder, Dry	3		CXL		(2001)	
MF 0812	Cattle fat	0.05	(*)	CXL		(2001)	
MO 1280	Cattle kidney	0.05	(*)	CXL		(2001)	
MO 1281	Cattle liver	0.05		CXL		(2001)	
MM 0812	Cattle meat	0.05	(*)	CXL		(2001)	
ML 0812	Cattle milk	0.05	(*)	CXL		(2001)	
FS 0013	Cherries	1		CXL		(1999)	
VC 0424	Cucumber	0.2		CXL		(1999)	
PE 0112	Eggs	0.05	(*)	CXL		(2001)	
FB 0269	Grapes	1		CXL		(1999)	
VC 0046	Melons, except watermelon	0.2		CXL		(1999)	
FS 0247	Peach	0.5		CXL		(2001)	
TN 0672	Pecan	0.05	(*)	CXL		(1999)	
FP 0009	Pome fruits	0.1		CXL		(1999)	
PF 0111	Poultry fats	0.05	(*)	CXL		(2001)	
PM 0110	Poultry meat	0.05	(*)	CXL		(2001)	
PO 0111	Poultry, Edible offal of	0.05	(*)	CXL		(2001)	
SO 0495	Rape seed	0.05	(*)	CXL		(2001)	
GC 0650	Rye	0.1		CXL		(1999)	
VC 0431	Squash, Summer	0.05		CXL		(1999)	
SO 0702	Sunflower seed	0.05	(*)	CXL		(1999)	
GC 0654	Wheat	0.1		CXL		(1999)	

AS	0654 Wheat straw and fodder, Dry	3	CXL	(1999)

198 AMINOMETHYLPHOSPHONIC ACID (AMPA)

Main Uses

JMPR 97

ADI 0.3 mg/kg body weight for sum of glyphosate and aminomethylphosphonic acid (1997)

RESIDUE Aminométhylphosphonic acid (AMPA).
AMPA is the main residue resulting from the treatment of genetically-modified maize with glyphosate. See also (158) glyphosate

Note The CCPR-33 decided to delete the MRLs because they were no longer relevant. (33.181)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
@@ 0000	No MRL					

199 KRESOXIM-METHYL

Main Uses 5 FUNGICIDE
JMPR 98, 01R
ADI 0.4 mg/kg body weight (1998)
RESIDUE Plant commodities: Kresoxim-methyl.
Animal commodities: Alpha-(p-hydroxy-o-tolyloxy)-o-tolyl(methoxyimino)acetic acid, expressed as kresoxim-methyl.

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0640	Barley	0.1		8	98	32	
VC 0424	Cucumber	0.05	(*)	CXL		(2001)	
DF 0269	Dried grapes (=currants, raisins and sultanas)	2		CXL		(2001)	
MO 0105	Edible offal (mammalian)	0.05	(*)	8	98	32	
FC 0203	Grapefruit	0.5		3	01		
FB 0269	Grapes	1		CXL		(2001)	
MF 0100	Mammalian fats (except milk fats)	0.05	(*)	8	98	32	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	8	98	32	
ML 0106	Milks	0.01	(*)	8	98	32	
OC 0305	Olive oil, Virgin	0.7		3	01		
FT 0305	Olives	0.2		3	01		
FC 0004	Oranges, Sweet, Sour	0.5		3	01		
FP 0009	Pome fruits	0.2		8	98	32	
PM 0110	Poultry meat	0.05	(*)	8	98	32	
GC 0650	Rye	0.05	(*)	CXL		(2001)	
AS 0081	Straw and fodder (dry) of cereal grains	5		CXL		(2001)	
GC 0654	Wheat	0.05	(*)	CXL		(2001)	

200 PYRIPROXIFEN

Main Uses 8 INSECTICIDE
JMPR 99, 00R, 01T
ADI 0.1 mg/kg body weight (1999)
RESIDUE Pyriproxifen (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.01	(*) (fat)	8	99	33	
MO 0812	Cattle, Edible offal of	0.01	(*)	8	99	33	
FC 0001	Citrus fruits	0.5		CXL		(2001)	
SO 0691	Cotton seed	0.05		8	99	33	
OC 0691	Cotton seed oil, Crude	0.01		8	99	33	
OR 0691	Cotton seed oil, Edible	0.01		8	99	33	
MM 0814	Goat meat	0.01	(*) (fat)	8	99	33	
MO 0814	Goat, Edible offal of	0.01	(*)	8	99	33	

201 CHLORPROPHAM

Main Uses 16 PLANT GROWTH REGULATOR
JMPR 00T, 01R
ADI 0.03 mg/kg body weight (2000)
AcuteRfD 0.03 mg/kg body weight (2000)
RESIDUE Chlorpropham (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.1	(fat)	3	01		
ML 0812	Cattle milk	0.0005	(*) F	3	01		
MO 0812	Cattle, Edible offal of	0.01	(*)	3	01		
VR 0589	Potato	30	Po	3	01		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for cooked potato.

202 FIPRONIL

Main Uses 8 INSECTICIDE
JMPR 00T, 01R
ADI 0.0002 mg/kg body weight (2000, group ADI for fipronil and fipronil-desulfinyl [5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylpyrazole
AcuteRfD 0.003 mg/kg body weight for fipronil and fipronil-desulfinyl, alone or in combination (2000)
RESIDUE Plant commodities: Fipronil (fat-soluble).
Animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulphonylpyrazole (MB 46136), expressed as fipronil (fat-soluble).

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FI 0327	Banana	0.005			3	01		
GC 0640	Barley	0.002	(*)		3	01		
VB 0041	Cabbages, Head	0.02			3	01		
MO 1280	Cattle kidney	0.02			3	01		
MO 1281	Cattle liver	0.1			3	01		
MM 0812	Cattle meat	0.5	(fat)		3	01		
ML 0812	Cattle milk	0.02			3	01		
PE 0112	Eggs	0.02			3	01		
VB 0042	Flowerhead brassicas	0.02			3	01		
GC 0645	Maize	0.01			3	01		
AS 0645	Maize fodder	0.1		dry wt	3	01		
AF 0645	Maize forage	0.1		dry wt	3	01		
GC 0647	Oats	0.002	(*)		3	01		
VR 0589	Potato	0.02			3	01		
PM 0110	Poultry meat	0.01	(*)		3	01		
PO 0111	Poultry, Edible offal of	0.02			3	01		
GC 0649	Rice	0.01			3	01		
AS 0649	Rice straw and fodder, Dry	0.2		dry wt	3	01		
GC 0650	Rye	0.002	(*)		3	01		
VR 0596	Sugar beet	0.2			3	01		
AV 0596	Sugar beet leaves or tops	0.2		dry wt	3	01		
SO 0702	Sunflower seed	0.002	(*)		3	01		

GC	0653 Triticale	0.002	(*)	3	01
GC	0654 Wheat	0.002	(*)	3	01

203 SPINOSAD

Main Uses 8 INSECTICIDE
JMPR 01
ADI 0.02 mg/kg body weight (2001)
RESIDUE Sum of spinosyn A and spinosyn D (fat-soluble).
Residues in milk should be measured on the whole milk.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
AM 0660	Almond hulls	2			3	01		
TN 0660	Almonds	0.01	(*)		3	01		
FP 0226	Apple	0.1			3	01		
VB 0040	Brassica vegetables	2			3	01		
MO 1280	Cattle kidney	1			3	01		The MRL accommodates external animal treatment.
MO 1281	Cattle liver	2			3	01		The MRL accommodates external animal treatment.
MM 0812	Cattle meat	3		(fat)	3	01		The MRL accommodates external animal treatment.
ML 0812	Cattle milk	1			3	01		The MRL accommodates external animal treatment.
VS 0624	Celery	2			3	01		
FC 0001	Citrus fruits	0.3			3	01		
SO 0691	Cotton seed	0.01	(*)		3	01		
OC 0691	Cotton seed oil, Crude	0.01	(*)		3	01		
OR 0691	Cotton seed oil, Edible	0.01	(*)		3	01		
PE 0112	Eggs	0.01			3	01		
VC 0045	Fruiting vegetables, Cucurbits	0.2			3	01		
FI 0341	Kiwifruit	0.05			3	01		
VL 0053	Leafy vegetables	10			3	01		
VP 0060	Legume vegetables	0.3			3	01		
GC 0645	Maize	0.01	(*)		3	01		
AS 0645	Maize fodder	5			3	01		
AF 0645	Maize forage	5		dry wt	3	01		
VO 0051	Peppers	0.3			3	01		
VR 0589	Potato	0.01	(*)		3	01		

PM	0110	Poultry meat	0.2		(fat)	3	01	
MM	0822	Sheep meat	0.01	(*)	(fat)	3	01	The MRL accommodates external animal treatment.
MO	0822	Sheep, Edible offal of	0.01	(*)		3	01	The MRL accommodates external animal treatment.
GC	0651	Sorghum	1			3	01	
VD	0541	Soya bean (dry)	0.01	(*)		3	01	
FS	0012	Stone fruits	0.2			3	01	
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)		3	01	
VO	0448	Tomato	0.3			3	01	
AS	0654	Wheat straw and fodder, Dry	1			3	01	

204 ESFENVALERATE

Main Uses 8 Insecticide

JMPR

ADI 0.02 mg/kg body weight (2002)

AcuteRfD 0.02 mg/kg body weight (2002)

RESIDUE Sum of fenvalerate isomers (fat-soluble).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
SO 0691	Cotton seed	0.05		3	02		
PE 0112	Eggs	0.01	(*)	3	02		
PM 0110	Poultry meat	0.01	(*) (fat)	3	02		
PO 0111	Poultry, Edible offal of	0.01	(*)	3	02		
SO 0495	Rape seed	0.01	(*)	3	02		
VO 0448	Tomato	0.1		3	02		
GC 0654	Wheat	0.05		3	02		
AS 0654	Wheat straw and fodder, Dry	2		3	02		

205 FLUTOLANIL

Main Uses 5 Fungicide
JMPR 02
ADI 0.09 mg/kg body weight (2002)
RESIDUE For plant commodities, flutolanil; for animal commodities, flutolanil and transformation products containing the 2-trifluoromethyl-benzoic acid moiety, expressed as flutolanil.

Commodity Code		Name	MRL (mg/kg)		Step	JMPR	CCPR	Note
PE	0112	Eggs	0.05	(*)	3	02		
MO	0098	Kidney of cattle, goats, pigs & sheep	0.1		3	02		
MO	0099	Liver of cattle, goats, pigs & sheep	0.2		3	02		
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	3	02		
ML	0106	Milks	0.05	(*)	3	02		
PM	0110	Poultry meat	0.05	(*)	3	02		
PO	0111	Poultry, Edible offal of	0.05	(*)	3	02		
CM	1206	Rice bran, Unprocessed	10		3	02		
AS	0649	Rice straw and fodder, Dry	10		3	02		
CM	0649	Rice, Husked	2		3	02		
CM	1205	Rice, Polished	1		3	02		

206 IMIDACLOPRID

Main Uses 8 Insecticide
JMPR 02
ADI 0.06 mg/kg body weight (2002)
AcuteRfD 0.4 mg/kg body weight (2002)
RESIDUE Sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid.

Commodity Code	Name	MRL (mg/kg)			Step	JMPR	CCPR	Note
FP 0226	Apple	0.5			3	02		
AB 0226	Apple pomace, Dry	5			3	02		
FS 0240	Apricot	0.5			3	02		
FI 0327	Banana	0.05			3	02		
AS 0640	Barley straw and fodder, Dry	1		dry wt	3	02		
VP 0061	Beans, except broad bean and soya bean	2			3	02		
VB 0400	Broccoli	0.5			3	02		
VB 0402	Brussels sprouts	0.5			3	02		
VB 0041	Cabbages, Head	0.5			3	02		
VB 0404	Cauliflower	0.5			3	02		
GC 0080	Cereal grains	0.05			3	02		
FC 0001	Citrus fruits	1			3	02		
AB 0001	Citrus pulp, Dry	10			3	02		
VC 0424	Cucumber	1			3	0.2		
MO 0105	Edible offal (mammalian)	0.05			3	02		
VO 0440	Egg plant	0.2			3	02		
PE 0112	Eggs	0.02	(*)		3	02		
FB 0269	Grapes	1			3	02		
DH 1100	Hops, Dry	10			3	02		
VA 0384	Leek	0.05	(*)		3	02		
VL 0482	Lettuce, Head	2			3	02		
AS 0645	Maize fodder	0.2		dry wt	3	02		
AF 0645	Maize forage	0.5		dry wt	3	02		

FI	0345	Mango	0.2			3	02
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)		3	02
VC	0046	Melons, except watermelon	0.2			3	02
ML	0106	Milks	0.02	(*)		3	02
FS	0245	Nectarine	0.5			3	02
AF	0647	Oat forage (green)	5		dry wt	3	02
AS	0647	Oat straw and fodder, Dry	1		dry wt	3	02
VA	0385	Onion, Bulb	0.1			3	02
FS	0247	Peach	0.5			3	02
FP	0230	Pear	1			3	02
TN	0672	Pecan	0.05			3	02
VO	0051	Peppers	1		dry wt	3	02
FS	0014	Plums (including prunes)	0.2			3	02
VR	0589	Potato	0.5			3	02
PM	0110	Poultry meat	0.02	(*)		3	02
PO	0111	Poultry, Edible offal of	0.02	(*)		3	02
SO	0495	Rape seed	0.05	(*)		3	02
AF	0650	Rye forage (green)	5		dry wt	3	02
AS	0650	Rye straw and fodder, Dry	1		dry wt	3	02
VC	0431	Squash, Summer	1			3	02
VR	0596	Sugar beet	0.05	(*)		3	02
AV	0596	Sugar beet leaves or tops	5		dry wt	3	02
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)		3	02
VO	0448	Tomato	0.5			3	02
VC	0432	Watermelon	0.2			3	02
CM	0654	Wheat bran, Unprocessed	0.3			3	02
CF	1211	Wheat flour	0.03			3	02
AS	0654	Wheat straw and fodder, Dry	1			3	02

1 ALDRIN AND DIELDRIN

JMPR 65T, 66, 67, 68R, 69R, 70, 74R, 75R, 77T, 90R, 92R

PTDI 0.0001 mg/kg body weight (confirmed 1977; converted to PTDI in 1994)

RESIDUE Sum of HHDN and HEOD (fat-soluble).

Commodity Code		Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
VA	0035	Bulb vegetables	0.05		CXL		(1997)	
GC	0080	Cereal grains	0.02		CXL			
FC	0001	Citrus fruits	0.05		CXL		(1997)	
PE	0112	Eggs	0.1		CXL			
VC	0045	Fruiting vegetables, Cucurbits	0.1		CXL		(1997)	
VL	0053	Leafy vegetables	0.05		CXL		(1997)	
VP	0060	Legume vegetables	0.05		CXL		(1997)	
MM	0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL			
ML	0106	Milks	0.006	F	CXL			
FP	0009	Pome fruits	0.05		CXL		(1997)	
PM	0110	Poultry meat	0.2	(fat)	CXL		(1997)	
VD	0070	Pulses	0.05		CXL		(1997)	
VR	0075	Root and tuber vegetables	0.1		CXL		(1997)	

12 CHLORDANE

JMPR 65T, 67, 69R, 70, 72R, 74R, 77, 82T, 84, 86T

PTDI 0.0005 mg/kg body weight (1986; converted to PTDI in 1994)

RESIDUE Plant commodities: Sum of cis- and trans-chlordane (fat-soluble).
Animal commodities: Sum of cis- and trans-chlordane and "oxychlordane" (fat-soluble).

Commodity Code		Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
TN	0660	Almonds	0.02		CXL			
OC	0691	Cotton seed oil, Crude	0.05		CXL			
PE	0112	Eggs	0.02		CXL			
AO2	0003	Fruits and vegetables	0.02	(*)	CXL			
TN	0666	Hazelnuts	0.02		CXL			
OC	0693	Linseed oil, Crude	0.05		CXL			
GC	0645	Maize	0.02		CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	CXL			
ML	0106	Milks	0.002	F	CXL			
GC	0647	Oats	0.02		CXL			
TN	0672	Pecan	0.02		CXL			
PM	0110	Poultry meat	0.5	(fat)	CXL			
CM	1205	Rice, Polished	0.02		CXL			
GC	0650	Rye	0.02		CXL			
GC	0651	Sorghum	0.02		CXL			
OC	0541	Soya bean oil, Crude	0.05		CXL			
OR	0541	Soya bean oil, Refined	0.02		CXL			
TN	0678	Walnuts	0.02		CXL			
GC	0654	Wheat	0.02		CXL			

PART A.2

LIST OF EXTRANEOUS RESIDUE LIMITS FOR PESTICIDES

IN FOOD AND ANIMAL FEEDS

(At Various Steps of the Codex Procedure)

21 DDT

JMPR 65T, 66, 67, 68, 69, 78R, 79T, 80T, 83T, 84T, 93R, 94R, 96R, 00

PTDI 0.01 mg/kg body weight (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 Code	Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
VR 0577	Carrot	0.2		CXL		(1997)	
GC 0080	Cereal grains	0.1		CXL			
PE 0112	Eggs	0.1		CXL		(1997)	
MM 0095	Meat (from mammals other than marine mammals)	5	(fat) T	CXL			
ML 0106	Milks	0.02	F	CXL		(1997)	
PM 0110	Poultry meat	0.1-0.3		5	00		Add "(fat)"

33 ENDRIN

JMPR 65T, 70, 74R, 75R, 90R, 92R

PTDI 0.0002 mg/kg body weight (1970; converted to PTDI in 1994)

RESIDUE Sum of endrin and delta-keto-endrin (fat-soluble).

Commodity Code		Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
VC	0045	Fruiting vegetables, Cucurbits	0.05		CXL		(1997)	
PM	0110	Poultry meat	0.1	(fat)	CXL		(1997)	

43 HEPTACHLOR

JMPR 65T, 66, 67R, 68R, 69R, 70, 74R, 75R, 77R, 87R, 91, 93R, 94R

PTDI 0.0001 mg/kg body weight (1991; converted to PTDI in 1994)

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 Code	Name	EMRL (mg/kg)		Step	JMPR	CCPR	Note
GC 0080	Cereal grains	0.02		CXL			
FC 0001	Citrus fruits	0.01		CXL			
SO 0691	Cotton seed	0.02		CXL			
PE 0112	Eggs	0.05		CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL			
ML 0106	Milks	0.006	F	CXL			
FI 0353	Pineapple	0.01		CXL			
PM 0110	Poultry meat	0.2	(fat)	CXL			
VP 0541	Soya bean (immature seeds)	0.02		CXL			
OC 0541	Soya bean oil, Crude	0.5		CXL			
OR 0541	Soya bean oil, Refined	0.02		CXL			

PART A.3

LIST OF PESTICIDES FOR WHICH GUIDELINE LEVELS HAVE BEEN SET

52 METHYL BROMIDE

Main uses 4 FUMIGANT
JMPR 65, 66, 67R, 68, 71R, 79R, 85R, 92R
ADI
RESIDUE
Note Not cleared toxicologically by JMPR.

Commodity Code	Name	GL (mg/kg)		Step	JMPR	CCPR	Note
CP 0179	Bread and other cooked cereal products	0.01	(*)		79	31	To apply to commodity at point of retail sale or when offered for consumption
SB 0715	Cacao beans	5	Po		79	31	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 last 24 h after fumigation and before sampling
GC 0080	Cereal grains	5	Po		79	31	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 last 24 h after fumigation and before sampling
AO6 0001	Cocoa products	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF 0167	Dried fruits	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF 0167	Dried fruits	2	Po		79	31	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 last 24 h after fumigation and before sampling
AO4 0001	Milled cereals products	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
AO4 0001	Milled cereals products	1	Po		79	31	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 last 24 h after fumigation and before sampling
SO 0697	Peanut	0.01	(*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
SO 0697	Peanut	10	Po		79	31	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 last 24 h after fumigation and before sampling
TN 0085	Tree nuts	0.01	(*) Po		79	17, 31	To apply to commodity at point of retail sale or when offered for consumption
TN 0085	Tree nuts	10	Po		79, 85	17, 31	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 last 24 h after fumigation and before sampling

114 GUAZATINE

Main uses 5 FUNGICIDE
JMPR 78, 80R, 97' (02)
ADI ADI withdrawn (1997)
RESIDUE Guazatine.
Note Until 1986 the ISO name guazatine was applied to iminoctadine. 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 Code	Name	GL (mg/kg)		Step	JMPR	CCPR	Note
GC 0080	Cereal grains	0.05	(*)	4	97	31	
FC 0001	Citrus fruits	5	Po	4		31	Data would be submitted in 2000 (31.88)

ANNEX 1

MRL PERIODIC REVIEW PROCEDURE

The periodic Review Procedure consists of two distinct phases as described below:

PHASE I

IDENTIFY PERIODIC REVIEW CHEMICALS AND SOLICIT DATA COMMITMENTS

(Year 1, CCPR Meeting)

1. Identify Candidate Chemicals for Re-evaluation

On an annual basis the CCPR (Working Group on Priorities) lists chemicals meeting the following criteria:

- pesticide chemicals for which MRLs were first estimated more than 10 years ago; or
- pesticide chemicals for which a periodic review was conducted more than 10 years ago.

Tentative lists for several years may be prepared when feasible.

2. Notify Data Owners or Other Parties of Candidate List

Governments and international organizations represented at the annual CCPR Meeting expeditiously notify current data owners (or other interested parties) of the candidate list for periodic reviews, and when available, tentative lists for the following years. A copy of the most recent procedure for periodic review is also included.

3. Invite Commitment to Support Continued (or New) Codex Maximum Residue Limits (CXLs)

With their notification to data owners (or other interested parties) on the candidacy of chemicals for periodic review, governments and international organizations inquire of these parties their willingness to provide data for that review and as well as to advise them of the implications if they choose not to.

The invitation for a commitment will request a written response within six months to be provided to:

- Chairman, CCPR
- Chairman, Priorities Working Group
- JMPR Secretariats
- the requester (government or international organization representative) (Names, titles and addresses will be provided).

Tile invitation will request that the following information be provided in the response:

a. A list of all commodities for which interested parties are willing to support CXLs.

b. A brief summary of all current Good Agricultural Practice (GAP) which they are willing to provide and which is pertinent to residue data they are willing to provide (e.g. commodities and countries for with detailed GAP summaries and representative labels can be provided).

c. A list of all chemistry (residue, metabolism, animal transfer, processing, analytical sample storage stability, analytical methods etc.) and toxicology studies and other data that they are willing to provide (regardless of whether previously provided) and the data they commit to make complete data package submissions to the JMPR. Comments on the status of registrations for the chemicals at the national level are encouraged. Data for which a submission is committed should be identified in the response by study or report title and number, author, date.

4. Repeat the Notification and Invitation

By means of a Codex Circular Letter to accompany the report of the Meeting the Secretariat will repeat the notification and request. On receipt of the request by the Circular Letter, governments and international organizations will immediately repeat their notification and invitation to identified interested parties who may not have been represented at the CCPR (they would not have received the report of the Meeting and the accompanying Circular Letter). Interested parties need only respond to one of the request, but should copy addresses listed in item 3 above.

PHASE II

STATUS REPORT ON DATA COMMITMENTS AND CCPR FOLLOW-UP

(Year 2, CCPR Meeting)

1. Status Report on Data Commitments - The Priorities Working Group will provide a report and room document to the CCPR on the status of commitments received to provide data for each compound identified in year 1. This information will be used to schedule JMPR reviews or to make other recommendations such as withdrowal of CXLs.

2. Response to Data Commitments

a. If there is no commitment – to provide and identify or develop data to support current CXLs, the CXL(s) will be recommended by the CCPR for withdrowal by the next session of the Codex Alimentarius Commission.

b. If a commitment is made – to provide and identify or develop data to support current CXLs, the MRL(s) are scheduled for JMPR review. The JMPR review will result in one of the following scenarios:

- Sufficient data are submitted to confirm the CXL and it remains in place.

- Sufficient data are submitted to support a new proposed MRL, it enters the process at Step 3 and the existing CXL is deleted automatically after no more than 4 years.

Insufficient data have been submitted to support a new MRL or to confirm the existing CXL, data submitters are so advised by written notification from the FAO Joint Secretary and/or by issuance of the JMPR Report.

On being advised of the data inadequacy, data submitters may be the next CCPR Meeting, provide to the FAO and the CCPR Secretaries a written commitment to generate and submit a complete dossier of required data for review within 4 years. The CXL is maintained for no more than 4 years following advice of data inadequacy (by direct notification or by issuance of the JMPR Report). The 4 year period may be extended by the CCPR only to the extent necessary for the JMPR to schedule and complete review of the available new data. The new data are scheduled for the second JMPR review and the first part of the PHASE II 2b procedure is repeated:

- Sufficient data are submitted to confirm the CXL and it remains in place.

- Sufficient data are submitted to support a new proposed MRL, it enters the process at Step 3. The CXL is automatically deleted no more than the 4 years after the new proposal enters the process.

- Insufficient data are submitted to confirm the CXL or support a proposed MRL the CCPR recommends deletion of the CXL.

c. If the committed data are not submitted, or if the data submitted for the initial periodic review are insufficient and no commitment is made by the next CCPR Meeting to generate new data, the CCPR recommends deletion of the CXL.

SUMMARY OF PERIODIC REVIEW PROCEDURE FOR CODEX MRLS