

codex alimentarius commission



FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS

WORLD
HEALTH
ORGANIZATION



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Agenda Item 6

CX/PR 01/9
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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

Thirty-third Session

The Hague, The Netherlands, 2 - 7 April 2001

CONSIDERATION OF DRAFT AND PROPOSED DRAFT MAXIMUM RESIDUE LIMITS IN FOODS AND ANIMAL 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- Table 1 List of Pesticides Whose Maximum Residue Limits or Guidelines Levels Have Been Withdrawn by the Codex Alimentarius Commission and for Which No MRLs Have Been Proposed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 1 List of Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part 2 List of Extraneous Maximum Residue Limits for Pesticides in Food and Animal Feeds (at various Steps of the Codex Procedure)
- Part 3 List of Pesticides for Which Guideline Levels Have Been Set
- Annex 1 MRL Periodic Review Procedure
- Annex 2 Current Status of MRL Lists of Related Compounds

EXPLANATORY NOTES

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

ADIs/PTDIs/Acute RfD
parentheses.

The Year of estimation or confirmation is shown in

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.
- V (following (T)MRLs for products of animal origin) : The MRL accommodates veterinary uses.

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 revision/amendment to a CXL.

4. REFERENCES

References are normally given only for those MRLs which are due for further discussion within the CCPR. 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			
17	1985	ALINORM 85/24B			

7. 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

- 177 ABAMECTIN
95 ACEPHATE
117 ALDICARB
1 ALDRIN AND DIELDRIN**
134 AMINOCARB*
198 AMINOMETHYLPHOSPHONIC ACID (AMPA)
122 AMITRAZ
79 AMITROLE
163 ANILAZINE
68 AZINPHOS-ETHYL*
2 AZINPHOS-METHYL
129 AZOCYCLOTIN
155 BENALAXYL
137 BENDIOCARB
69 BENOMYL
172 BENTAZONE
178 BIFENTHRIN
3 BINAPACRYL*
93 BIORESMETHRIN
144 BITERTANOL
47 BROMIDE ION
4 BROMOPHOS*
5 BROMOPHOS-ETHYL*
70 BROMOPROPYLATE
173 BUPROFEZIN
139 BUTOCARBOXIM*
174 CADUSAFOS
71 CAMPHECHLOR*
6 CAPTAFOL*
7 CAPTAN
8 CARBARYL
72 CARBENDAZIM
96 CARBOFURAN
9 CARBON DISULPHIDE*
10 CARBON TETRACHLORIDE*
11 CARBOPHENOTHION*
145 CARBOSULFAN
97 CARTAP*
80 CHINOMETHIONAT
12 CHLORDANE**
13 CHLORDIMEFORM*
14 CHLORFENVINPHOS
15 CHLORMEQUAT
16 CHLOROBENZILATE*
81 CHLOROTHALONIL
17 CHLORPYRIFOS
90 CHLORPYRIFOS-METHYL
187 CLETHODIM
156 CLOFENTEZINE
18 COUMAPHOS*
19 CRUFOMATE*
91 CYANOFENPHOS*
179 CYCLOXYDIM
157 CYFLUTHRIN
146 CYHALOTHRIN
67 CYHEXATIN
118 CYPERMETHRIN
169 CYROMAZINE
104 DAMINOZIDE*
20 2,4-D
21 DDT**
135 DELTAMETHRIN
92 DEMETON*
73 DEMETON-S-METHYL
164 DEMETON-S-METHYLSULPHON
98 DIALIFOS*
22 DIAZINON
23 1,2-DIBROMOETHANE*
82 DICHLOFLUANID
24 1,2-DICHLOROETHANE*
25 DICHLORVOS
83 DICLORAN
26 DICOFOL
130 DIFLUBENZURON
151 DIMETHIPIN
27 DIMETHOATE
87 DINOCAP
28 DIOXATHION*
29 DIPHENYL*
30 DIPHENYLAMINE
31 DIQUAT
74 DISULFOTON
180 DITHIANON
105 DITHIOCARBAMATES
84 DODINE
99 EDIFENPHOS*
32 ENDOSULFAN
33 ENDRIN**
106 ETHEPHON
107 ETHIOFENCARB*
34 ETHION
149 ETHOPROPHOS
35 ETHOXYQUIN
108 ETHYLENE THIOUREA (ETU)*
184 ETOFENPROX
123 ETRIMFOS*
85 FENAMIPHOS
192 FENARIMOL
197 FENBUCONAZOLE
109 FENBUTATIN OXIDE
36 FENCHLORPHOS*
37 FENITROTHION
185 FENPROPATHRIN
188 FENPROPIMORPH
193 FENPROXYMATE
38 FENSULFOTHION*
39 FENTHION
40 FENTIN
119 FENVALERATE
152 FLUCYTHRINATE
195 FLUMETHRIN
165 FLUSILAZOLE
41 FOLPET
42 FORMOTHION
175 GLUFOSINATE-AMMONIUM
158 GLYPHOSATE
114 GUAZATINE
194 HALOXYFOP
43 HEPTACHLOR**
44 HEXACHLOROBENZENE*
170 HEXACONAZOLE
176 HEXYTHIAZOX
45 HYDROGEN CYANIDE*
46 HYDROGEN PHOSPHIDE
110 IMAZALIL
111 IPRODIONE
131 ISOENPHOS*
199 KRESOXIM-METHYL
88 LEPTOPHOS*
48 LINDANE
49 MALATHION
102 MALEIC HYDRAZIDE
50 MANCOZEB
124 MECARBAM
138 METALAXYL
125 METHACRIFOS*
100 METHAMIDOPHOS
51 METHIDATHION
132 METHIOCARB
94 METHOMYL
147 METHOPRENE
52 METHYL BROMIDE***
186 METIRAM
53 MEVINPHOS
54 MONOCROTOPHOS
181 MYCLOBUTANIL
140 NITROFEN*
55 OMETHOATE
126 OXAMYL
166 OXYDEMETON-METHYL
161 PACLOBUTRAZOL
57 PARAQUAT
58 PARATHION
59 PARATHION-METHYL
182 PENCONAZOLE
120 PERMETHRIN
127 PHENOTHION*
128 PHENTHOATE*
56 2-PHENYLPHENOL
112 PHORATE
60 PHOSALONE
103 PHOSMET
61 PHOSPHAMIDON
141 PHOXIM*
62 PIPERONYL BUTOXIDE
101 PIRIMICARB
86 PIRIMIPHOS-METHYL
142 PROCHLORAZ
136 PROCYMDONE
171 PROFENOFOS
148 PROPAMOCARB
113 PROPARGITE
183 PROPHAM*
160 PROPICONAZOLE
75 PROPOXUR
150 PROPYLENE THIOUREA (PTU)*
153 PYRAZOPHOS
63 PYRETHRINS
200 PYRIPROXIFEN
64 QUINTOZENE
89 SEC-BUTYLAMINE*
121 2,4,5-T*
189 TEBUCONAZOLE
196 TEBUFENOZIDE
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 2 (EMRLs);
*** , See Part 3 (GLs);
Otherwise see Part 1 (MRLs).

INDEX OF PESTICIDES IN CODE ORDER

1 ALDRIN AND DIELDRIN**	76 THIOMETON*	151 DIMETHIPIN
2 AZINPHOS-METHYL	77 THIOPHANATE-METHYL	152 FLUCYTHRINATE
3 BINAPACRYL*	78 VAMIDOTHION	153 PYRAZOPHOS
4 BROMOPHOS*	79 AMITROLE	154 THIODICARB
5 BROMOPHOS-ETHYL*	80 CHINOMETHIONAT	155 BENALAXYL
6 CAPTAFOL*	81 CHLOROTHALONIL	156 CLOFENTEZINE
7 CAPTAN	82 DICHLOFLUANID	157 CYFLUTHRIN
8 CARBARYL	83 DICLORAN	158 GLYPHOSATE
9 CARBON DISULPHIDE*	84 DODINE	159 VINCLOZOLIN
10 CARBON TETRACHLORIDE*	85 FENAMIPHOS	160 PROPICONAZOLE
11 CARBOPHENOTHION*	86 PIRIMIPHOS-METHYL	161 PACLOBUTRAZOL
12 CHLORDANE**	87 DINOCAP	162 TOLYLFLUANID
13 CHLORDIMEFORM*	88 LEPTOPHOS*	163 ANILAZINE
14 CHLORFENVINPHOS	89 SEC-BUTYLAMINE*	164 DEMETON-S-
15 CHLORMEQUAT	90 CHLORPYRIFOS-METHYL	METHYLSULPHON
16 CHLOROBENZILATE*	91 CYANOFENPHOS*	165 FLUSILAZOLE
17 CHLORPYRIFOS	92 DEMETON*	166 OXYDEMETON-METHYL
18 COUMAPHOS*	93 BIORESMETHRIN	167 TERBUFOS
19 CRUFOMATE*	94 METHOMYL	168 TRIADIMENOL
20 2,4-D	95 ACEPHATE	169 CYROMAZINE
21 DDT**	96 CARBOFURAN	170 HEXACONAZOLE
22 DIAZINON	97 CARTAP*	171 PROFENOFOS
23 1,2-DIBROMOETHANE*	98 DIALIFOS*	172 BENTAZONE
24 1,2-DICHLOROETHANE*	99 EDIFENPHOS*	173 BUPROFEZIN
25 DICHLORVOS	100 METHAMIDOPHOS	174 CADUSAFOS
26 DICOFOL	101 PIRIMICARB	175 GLUFOSINATE-AMMONIUM
27 DIMETHOATE	102 MALEIC HYDRAZIDE	176 HEXYTHIAZOX
28 DIOXATHION*	103 PHOSMET	177 ABAMECTIN
29 DIPHENYL*	104 DAMINOZIDE*	178 BIFENTHRIN
30 DIPHENYLAMINE	105 DITHIOCARBAMATES	179 CYCLOXYDIM
31 DIQUAT	106 ETHEPHON	180 DITHIANON
32 ENDOSULFAN	107 ETHIOFENCARB*	181 MYCLOBUTANIL
33 ENDRIN**	108 ETHYLENE THIOUREA (ETU)*	182 PENCONAZOLE
34 ETHION	109 FENBUTATIN OXIDE	183 PROPHAM*
35 ETHOXYQUIN	110 IMAZALIL	184 ETOFENPROX
36 FENCHLORPHOS*	111 IPRONONE	185 FENPROPATHRIN
37 FENITROTHION	112 PHORATE	186 METIRAM
38 FENSULFOTHION*	113 PROPARGITE	187 CLETHODIM
39 FENTHION	114 GUAZATINE	188 FENPROPIIMORPH
40 FENTIN	115 TECNAZENE	189 TEBUCONAZOLE
41 FOLPET	116 TRIFORINE	190 TEFLUBENZURON
42 FORMOTHION	117 ALDICARB	191 TOLCLOFOS-METHYL
43 HEPTACHLOR**	118 CYPERMETHRIN	192 FENARIMOL
44 HEXACHLOROENZENE*	119 FENVALERATE	193 FENPYROXIMATE
45 HYDROGEN CYANIDE*	120 PERMETHRIN	194 HALOXYFOP
46 HYDROGEN PHOSPHIDE	121 2,4,5-T*	195 FLUMETHRIN
47 BROMIDE ION	122 AMITRAZ	196 TEBUFENOZIDE
48 LINDANE	123 ETRIMFOS*	197 FENBUCONAZOLE
49 MALATHION	124 MECARBAM	198 AMINOMETHYLPHOSPHONIC
50 MANCOZEB	125 METHACRIFOS*	ACID (AMPA)
51 METHIDATHION	126 OXAMYL	199 KRESOXIM-METHYL
52 METHYL BROMIDE***	127 PHENOTHRIN*	200 PYRIPROXIFEN
53 MEVINPHOS	128 PHENTHOATE*	
54 MONOCROTOPHOS	129 AZOCYCLOTIN	
55 OMETHOATE	130 DIFLUBENZURON	
56 2-PHENYLPHENOL	131 ISOFEENPHOS*	
57 PARAQUAT	132 METHIOCARB	
58 PARATHION	133 TRIADIMEFON	
59 PARATHION-METHYL	134 AMINOCARB*	
60 PHOSALONE	135 DELTAMETHRIN	
61 PHOSPHAMIDON	136 PROCYMIDONE	
62 PIPERONYL BUTOXIDE	137 BENDIOCARB	
63 PYRETHRINS	138 METALAXYL	
64 QUINTOZENE	139 BUTOCARBOXIM*	
65 THIABENDAZOLE	140 NITROFEN*	
66 TRICHLORFON*	141 PHOXIM*	
67 CYHEXATIN	142 PROCHLORAZ	
68 AZINPHOS-ETHYL*	143 TRIAZOPHOS	
69 BENOMYL	144 BITERTANOL	
70 BROMOPROPYLATE	145 CARBOSULFAN	
71 CAMPHECHLOR*	146 CYHALOTHRIN	
72 CARBENDAZIM	147 METHOPRENE	
73 DEMETON-S-METHYL	148 PROPAMOCARB	
74 DISULFOTON	149 ETHOPROPHOS	
75 PROPOXUR	150 PROPYLENE THIOUREA (PTU)*	

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

Cod e	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
44	Hexachlorobenzene	Withdrawn (1978)	MRLs (GLs)
45	Hydrogen cyanide	0.05 (1965)	MRLs
66	Trichlorfon	0.01 (1978)	MRLs
68	Azinphos-ethyl	Not cleared toxicologically	GLs
71	Camphechlor	Not cleared toxicologically	GLs
76	Thiometon	0.003 (1979)	MRLs
88	Leptophos	Not cleared toxicologically	No MRLs proposed
89	Sec-Butylamine	Withdrawn (TADI, 1984)	MRLs, GLs
91	Cyanofenphos	Withdrawn (TADI, 1983)	TMRLs
92	Demeton	Withdrawn (1982)	MRLs, GLs
97	Cartap	Withdrawn (1995)	MRLs
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
123	Etrimphos	0.003 (1982)	MRLs
125	Metacriphos	0.006 (1990)	MRLs
127	Phenothrin	0.07 (1988)	MRLs
128	Phenthoate	0.003 (1984)	MRLs
131	Isofenphos	0.001 (1986)	MRLs
134	Aminocarb	Not cleared toxicologically	GLs
139	Butocarboxim	Not cleared toxicologically	GLs
140	Nitrofen	Not cleared toxicologically	GLs
141	Phoxim	0.004 (1999 by JECFA)	MRLs
150	Propylene thiourea	0.0002 (TADI, 1993-1999)	GLs
183	Propham	Not cleared toxicologically	No MRLs proposed

PART 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	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	

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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)

AcuteRfD Unnecessary (JMPR 2000)

RESIDUE Captan.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note	
FP	0226 Apple	25	T	CXL			
FP	0226 Apple	15		6(a)	94, 97, 00	28, 31, 32	Changed from 20 mg/kg (JMPR 2000)
AB	0226 Apple pomace, Dry	2		6	97	31, 32	
FB	0020 Blueberries	20		CXL	00		Confirmed (JMPR 2000)
FS	0013 Cherries	25		6	94, 97, 00	28, 31, 32	Changed from 10 mg/kg (JMPR 2000)
DF	0269 Dried grapes (=currants, raisins and sultanas)	50		6	97	31, 32	
FB	0269 Grapes	25		6	94, 97,00	28, 31, 32	Confirmed (JMPR 2000)
FS	0245 Nectarine	3		6	94, 00	28, 31, 32	The 1997 JMPR could not evaluate trial data as the trial conditions were not sufficiently close to GAP. Changed from 5mg/kg (JMPR 2000)
FS	0247 Peach	20		CXL	00		Changed from 15mg/kg (JMPR 2000)
FP	0230 Pear	15	T	CXL	00		Changed from 5mg/kg (JMPR 2000)
FP	0230 Pear	15		6(a)	94, 00	28, 31, 32	Changed from 25mg/kg (JMPR 2000)
FS	0014 Plums (including prunes)	10		6	94, 00	28, 32	Changed from 5mg/kg (JMPR 2000)
FB	0275 Strawberry	20	T	CXL			
FB	0275 Strawberry	15		6(a)	94, 97, 00	28, 31, 32	Changed from 30mg/kg (JMPR 2000)
VO	0448 Tomato	15	T	CXL			
VO	0448 Tomato	5		6(a)	94, 00	28, 31, 32	Changed from 2mg/kg (JMPR 2000)

8 CARBARYL

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 67, 68R, 69, 70R, 73, 75R, 76R, 77R, 79R, 84R, 96T', (01R'), (01T)

ADI 0.003 mg/kg body weight (1996). Confirmed by JMPR (2000)

RESIDUE Carbaryl.

Note Temporary Codex MRLs: Valid 1999-2003.

MRLs for animal feedingstuffs and common beans would no longer be supported. New residue data and GAP information would be provided to the 2001 JMPR. 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). Toxicological re-evaluation postponed to 2001.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1021 Alfalfa forage (green)	100	T		(1999) 32	
FP	0226 Apple	5	T		(1999) 32	
FS	0240 Apricot	10	T		(1999) 32	
VS	0621 Asparagus	10	T		(1999) 32	
FI	0327 Banana	5	T		(1999) 32	
GC	0640 Barley	5	Po T		(1999) 32	
AL	1030 Bean forage (green)	100	T		(1999) 32	
VR	0574 Beetroot	2	T		(1999) 32	
FB	0264 Blackberries	10	T		(1999) 32	
FB	0020 Blueberries	7	T		(1999) 32	
VB	0041 Cabbages, Head	5	T		(1999) 32	
VR	0577 Carrot	2	T		(1999) 32	
MM	0812 Cattle meat	0.2	T		(1999) 32	
FS	0013 Cherries	10	T		(1999) 32	
FC	0001 Citrus fruits	7	T		(1999) 32	
AL	1023 Clover	100	T fresh wt		(1999) 32	
VP	0526 Common bean (pods and/or immature seeds)	5	T		(1999) 32	
SO	0691 Cotton seed	1	T		(1999) 32	
VD	0527 Cowpea (dry)	1	T		(1999) 32	
FB	0265 Cranberry	7	T		(1999) 32	
VC	0424 Cucumber	3	T		(1999) 32	
FB	0266 Dewberries (including boysenberry and loganberry)	10	T		(1999) 32	

Part 1 - 5

VO	0440 Egg plant	5		T	CXL	(1999) 32
PE	0112 Eggs	0.5		T	CXL	(1999) 32
MM	0814 Goat meat	0.2		T	CXL	(1999) 32
FB	0269 Grapes	5		T	CXL	(1999) 32
AS	0162 Hay or fodder (dry) of grasses	100		T	CXL	(1999) 32
FI	0341 Kiwifruit	10		T	CXL	(1999) 32
VL	0053 Leafy vegetables	10		T	CXL	(1999) 32
AF	0645 Maize forage	100		T fresh wt	CXL	(1999) 32
VC	0046 Melons, except watermelon	3		T	CXL	(1999) 32
AO3	0001 Milk products	0.1	(*)	T	CXL	(1999) 32
ML	0106 Milks	0.1	(*)	T	CXL	(1999) 32
FS	0245 Nectarine	10		T	CXL	(1999) 32
AO5	1900 Nuts (whole in shell)	10		T	CXL	(1999) 32
GC	0647 Oats	5	Po	T	CXL	(1999) 32
VO	0442 Okra	10		T	CXL	(1999) 32
FT	0305 Olives	10		T	CXL	(1999) 32
DM	0305 Olives, Processed	1		T	CXL	(1999) 32
VR	0588 Parsnip	2		T	CXL	(1999) 32
AL	0528 Pea vines (green)	100		T fresh wt	CXL	(1999) 32
FS	0247 Peach	10		T	CXL	(1999) 32
AL	0697 Peanut fodder	100		T	CXL	(1999) 32
SO	0703 Peanut, Whole	2		T	CXL	(1999) 32
FP	0230 Pear	5		T	CXL	(1999) 32
VP	0063 Peas (pods and succulent=immature seeds)	5		T	CXL	(1999) 32
VO	0051 Peppers	5		T	CXL	(1999) 32
FS	0014 Plums (including prunes)	10		T	CXL	(1999) 32
VR	0589 Potato	0.2		T	CXL	(1999) 32
PM	0110 Poultry meat	0.5		T V	CXL	(1999) 32
PO	0113 Poultry skin	5		T V	CXL	(1999) 32
VC	0429 Pumpkins	3		T	CXL	(1999) 32
VR	0494 Radish	2		T	CXL	(1999) 32
FB	0272 Raspberries, Red, Black	10		T	CXL	(1999) 32
GC	0649 Rice	5	Po	T	CXL	(1999) 32
CM	0649 Rice, Husked	5	PoP	T	CXL	(1999) 32

Except peanut, whole and tree nuts

Part 1 - 6

GC	0650 Rye	5	Po	T	CXL	(1999) 32
MM	0822 Sheep meat	0.2		T	CXL	(1999) 32
GC	0651 Sorghum	10	Po	T	CXL	(1999) 32
AF	0651 Sorghum forage (green)	100		T fresh wt	CXL	(1999) 32
VD	0541 Soya bean (dry)	1		T	CXL	(1999) 32
AL	1265 Soya bean forage (green)	100		T fresh wt	CXL	(1999) 32
VC	0431 Squash, Summer	3		T	CXL	(1999) 32
FB	0275 Strawberry	7		T	CXL	(1999) 32
VR	0596 Sugar beet	0.2		T	CXL	(1999) 32
AV	0596 Sugar beet leaves or tops	100		T	CXL	(1999) 32
VR	0497 Swede	2		T	CXL	(1999) 32
VO	1275 Sweet corn (kernels)	1		T	CXL	(1999) 32
VO	0448 Tomato	5		T	CXL	(1999) 32
TN	0085 Tree nuts	1		T	CXL	(1999) 32
GC	0654 Wheat	5	Po	T	CXL	(1999) 32
CM	0654 Wheat bran, Unprocessed	20	PoP	T	CXL	(1999) 32
CF	1211 Wheat flour	0.2	PoP	T	CXL	(1999) 32
CF	1212 Wheat wholemeal	2	PoP	T	CXL	(1999) 32
VC	0433 Winter squash	3		T	CXL	(1999) 32

14 CHLORFENVINPHOS

Main Uses 8 INSECTICIDE

JMPR 71, 84R, 94T, 96R'

ADI 0.0005 mg/kg body weight (1994)

RESIDUE Chlorfenvinphos, sum of E- and Z-isomers (fat-soluble).

Note The compound would not be supported for evaluation by JMPR since the GAP in the UK for all commodities in the list had been revoked. The CCPR would consider revocation of the existing CXLs at its 33rd Session (32.87)

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VB 0402	Brussels sprouts	0.05	CXL	96	31	Withdrawal recommended (1996 JMPR). Retained for 4 years under the Periodic Review Procedure as it was reported that new data would become available (31.43)
VB 0041	Cabbages, Head	0.05	CXL	96	31	Withdrawal recommended (1996 JMPR). Retained for 4 years under the Periodic Review Procedure as it was reported that new data would become available (31.43)
VR 0577	Carrot	0.4	CXL	96	31	Withdrawal recommended (1996 JMPR). Retained for 4 years under the Periodic Review Procedure as it was reported that new data would become available (31.43)
VB 0404	Cauliflower	0.1	CXL	96	31	Withdrawal recommended (1996 JMPR). Retained for 4 years under the Periodic Review Procedure as it was reported that new data would become available (31.43)

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 bw (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	6	94, 00	30, 32	Changed from 0.5 mg/kg (2000 JMPR)
AS	0640 Barley straw and fodder, Dry	50	CXL			
AS	0640 Barley straw and fodder, Dry	20	6(a)	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
SO	0691 Cotton seed	0.5	6	94, 00	30, 32	Withdrawal recommended (2000 JMPR)
AF	0647 Oat forage (green)	20	6	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
AS	0647 Oat straw and fodder, Dry	50	CXL			
AS	0647 Oat straw and fodder, Dry	20	6(a)	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
GC	0647 Oats	10	CXL	94, 00		Confirmed (1994, 2000 JMPR)
FP	0230 Pear	3	CXL			
FP	0230 Pear	10	6(a)	94, 00	30, 32	Confirmed (JMPR 2000)
SO	0495 Rape seed	5	6	94	30, 32	
OC	0495 Rape seed oil, Crude	0.1 (*)	6	94	30, 32	
GC	0650 Rye	5	CXL			
GC	0650 Rye	3	6(a)	94, 00	30, 32	Confirmed (JMPR 2000)
CM	0650 Rye bran, Unprocessed	10	6	94	30, 32	
AF	0650 Rye forage (green)	20	6	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
AS	0650 Rye straw and fodder, Dry	50	CXL	00		Withdrawal recommended (JMPR 2000)
AS	0650 Rye straw and fodder, Dry	20	6(a)	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
CF	1251 Rye wholemeal	3	6	94	30, 32	
GC	0654 Wheat	5	CXL			
GC	0654 Wheat	3	6(a)	94, 00	30, 32	Changed from 2 mg/kg (2000 JMPR)
CM	0654 Wheat bran, Unprocessed	5	6	94	30, 32	
CF	1211 Wheat flour	0.5	6	94	30, 32	

Part 1 - 9

AS	0654 Wheat straw and fodder, Dry	50	CXL			
AS	0654 Wheat straw and fodder, Dry	20	6(a)	94, 00	30, 32	Withdrawal recommended (JMPR 2000)
CF	1212 Wheat wholemeal	2	6	94	30, 32	

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 bw (1999)

RESIDUE Chlorpyrifos (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	1	CXL	00		Confirmed (JMPR 2000)
VB	0041 Cabbages, Head	1 (*)	CXL	00		Changed from 0.05mg/kg (JMPR 2000)
VR	0577 Carrot	0.1	CXL	00		Changed from 0.5mg/kg (JMPR 2000)
MM	0812 Cattle meat	2 (fat) V	CXL			
VB	0404 Cauliflower	0.05 (*)	CXL	00		Confirmed (JMPR 2000)
VS	0624 Celery	0.05 (*)	CXL			
PM	0840 Chicken meat	0.1 (fat)	CXL			
VL	0467 Chinese cabbage (type pe-tsai)	1	CXL			
FC	0001 Citrus fruits	2	CXL	00	(1999)	Changed from 1mg/kg (JMPR 2000)
VP	0526 Common bean (pods and/or immature seeds)	0.01	CXL	00		Changed from 0.2mg/kg (JMPR 2000)
SO	0691 Cotton seed	0.05 (*)	CXL			
OC	0691 Cotton seed oil, Crude	0.05 (*)	CXL	00		Withdrawal recommended (JMPR 2000)
DF	0269 Dried grapes (=currants, raisins and sultanas)	2	CXL			
VO	0440 Egg plant	0.2	CXL			
PE	0112 Eggs	0.05 (*)	CXL			
FB	0269 Grapes	1	CXL			
VL	0480 Kale	1	CXL			
FI	0341 Kiwifruit	2	CXL			
VL	0482 Lettuce, Head	0.1	CXL			
ML	0106 Milks	0.01 (*) V	CXL			
VO	0450 Mushrooms	0.05 (*)	CXL			
VA	0385 Onion, Bulb	0.02 (*)	CXL	00		Changed from 0.05mg/kg (JMPR 2000)
FP	0230 Pear	1	CXL	00		Changed from 0.5mg/kg (JMPR 2000)
VO	0051 Peppers	0.5	CXL			

Part 1 - 11

VR	0589 Potato	0.05	(*)	CXL		
FB	0272 Raspberries, Red, Black	0.2		CXL		
GC	0649 Rice	0.1		CXL	00	Withdrawal recommended (JMPR 2000)
MM	0822 Sheep meat	0.2	(fat) V	CXL		
VR	0596 Sugar beet	0.05	(*)	CXL		
VO	0448 Tomato	0.5		CXL	00	Confirmed (JMPR 2000)
PM	0848 Turkey meat	0.2	(fat) V	CXL		

20 2,4-D

Main Uses 7 HERBICIDE

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

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0640 Barley	0.5	CXL-D	98	32	Withdrawal recommended (1998 JMPR).
FB	0018 Berries and other small fruits	0.1	5(a)	98	32	
FB	0264 Blackberries	0.1	CXL	98		To be replaced by the MRL for berries and other small fruits (1998 JMPR)
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)
MO	0105 Edible offal (mammalian)	5	5	98	32	
PE	0112 Eggs	0.05 (*)	CXL-D		32	
PE	0112 Eggs	0.01 (*)	5/8(a)	98	32	
FC	0203 Grapefruit	0.1	5(a)	98	32	
AS	0162 Hay or fodder (dry) of grasses	400	5	98	32	
GC	0645 Maize	0.05 (*)	CXL-D		32	
GC	0645 Maize	0.05	5/8(a)	98	32	
AS	0645 Maize fodder	40	5/8	98	32	
AF	0645 Maize forage	10	5/8	98	32	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.2	5(a)	98	32	
AO3	0001 Milk products	0.05 (*)	CXL-D	98	32	Withdrawal recommended (1998 JMPR)
ML	0106 Milks	0.05 (*)	CXL			
ML	0106 Milks	0.1	5(a)	98	32	
GC	0647 Oats	0.5	CXL-D	98	32	Withdrawal recommended (1998 JMPR)
FC	0004 Oranges, Sweet, Sour	0.1	5(a)	98	32	
FP	0009 Pome fruits	0.01 (*)	5	98	32	

Part 1 - 13

VR	0589 Potato	0.2		CXL			Confirmed (1998 JMPR)
PM	0110 Poultry meat	0.05	(*)	5	98	32	
PO	0111 Poultry, Edible offal of	0.05	(*)	5	98	32	
FB	0272 Raspberries, Red, Black	0.1		CXL			To be replaced by the MRL for berries and other small fruits (1998 JMPR)
GC	0649 Rice	0.05	(*)	CXL-D		32	To be replaced by the MRL for rice, husked (1998 JMPR)
AS	0649 Rice straw and fodder, Dry	10		5/8	98	32	
CM	0649 Rice, Husked	0.1		5/8(a)	98	32	
GC	0650 Rye	0.5		CXL-D		32	
GC	0650 Rye	2		5/8(a)	98	32	
GC	0651 Sorghum	0.05	(*)	CXL			
GC	0651 Sorghum	0.01	(*)	5(a)	98	32	
AF	0651 Sorghum forage (green)	0.2		5/8	98	32	
VD	0541 Soya bean (dry)	0.01	(*)	5	98	32	
AL	0541 Soya bean fodder	0.01	(*)	5	98	32	
AL	1265 Soya bean forage (green)	0.01	(*)	5	98	32	
FS	0012 Stone fruits	0.05	(*)	5/8	98	32	
GS	0659 Sugar cane	0.05		5/8	98	32	
AV	0659 Sugar cane forage	0.2		5/8	98	32	
VO	0447 Sweet corn (corn-on-the-cob)	0.05	(*)	5/8	98	32	
TN	0085 Tree nuts	0.2		5/8	98	32	
FB	0019 Vaccinium berries, including bearberry	0.1		CXL			To be replaced by the MRL for berries and other small fruits (1998 JMPR)
GC	0654 Wheat	0.5		CXL-D		32	
GC	0654 Wheat	2		5/8(a)	98	32	
AS	0654 Wheat straw and fodder, Dry	100		5/8	98	32	

22 DIAZINON

Main Uses 8 INSECTICIDE

JMPR 65T, 66T, 67R, 68, 70, 75R, 79R, 93', 94R, 96R, 99R

ADI 0.002 mg/kg body weight (1970; confirmed 1993)

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	3(a)	99		
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) V	6	96, 99	30	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 V	6	96, 99	30	Confirmed (1999 JMPR)
FI	0341 Kiwifruit	0.2	CXL		(1997)	
VB	0405 Kohlrabi	0.2	CXL		(1997)	

Part 1 - 15

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	V	6	96, 99	30	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) V	CXL	93		
MM	0097 Meat of cattle, pigs & sheep	2	(fat) V	6(a)	96, 99	30	Confirmed (1999 JMPR)
ML	0106 Milks	0.02	F V	CXL			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		3(a)	99		
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 origin, dicofol (sum of o,p' & p,p' isomers) (fat-soluble); Animal origin, 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 (*)	5	98	32	.
FI 0327	Banana	1 Po	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
GC 0640	Barley	2	5	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	5(a)	98	32	
VB 0403	Cabbage, Savoy	0.05 (*)	5	98	32	
VB 0041	Cabbages, Head	2	CXL		(1997)	Except for cabbage, Savoy. Confirmed (1998 JMPR).
VR 0577	Carrot	1	CXL-D	98	32	Withdrawal recommended (1998 JMPR)
MO 0812	Cattle, Edible offal of	0.05 (*)	5	98	32	
VB 0404	Cauliflower	0.5	5	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)
FB 0278	Currant, Black	2	CXL-D	98	32	Withdrawal recommended (1998 JMPR)
PE 0112	Eggs	0.05 (*)	5	98	32	
FB 0269	Grapes	1	CXL		(1991)	
FB 0269	Grapes	2	5(a)	98	32	
DH 1100	Hops, Dry	3	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VL 0480	Kale	0.5	CXL-D	98	32	Withdrawal recommended (1998 JMPR)

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VL	0482 Lettuce, Head	2		CXL		(1997)	
VL	0482 Lettuce, Head	0.5		5(a)	98	32	
MF	0100 Mammalian fats (except milk fats)	0.05	(*)	5	98	32	
MM	0096 Meat of cattle, goats, horses, pigs & sheep	0.05	(*)	5	98	32	
ML	0107 Milk of cattle, goats & sheep	0.05	(*)	5	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			
VA	0385 Onion, Bulb	0.05	(*)	5(a)	98	32	
FS	0247 Peach	2		CXL-D	98	(1997)	Withdrawal recommended (1998 JMPR)
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		5(a)	98	32	
VO	0051 Peppers	1	Po	CXL	98		Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
FS	0014 Plums (including prunes)	0.5		CXL		(1997)	
FS	0014 Plums (including prunes)	1		5(a)	98	32	
FP	0009 Pome fruits	0.5		5(a)	98	32	
VR	0589 Potato	0.05		CXL			Confirmed (1998 JMPR).
PF	0111 Poultry fats	0.05	(*)	5	98	32	
PM	0110 Poultry meat	0.05	(*)	5	98	32	
PO	0111 Poultry, Edible offal of	0.05	(*)	5	98	32	
MO	0822 Sheep, Edible offal of	0.05	(*)	5	98	32	
GC	0651 Sorghum	0.01	(*)	5	98	32	
VL	0502 Spinach	1		CXL-D	98	(1991)	Withdrawal recommended (1998 JMPR)
FB	0275 Strawberry	1		CXL-D	98		Withdrawal recommended (1998 JMPR)
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		5(a)	98	32	

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VO	0448 Tomato	1	Po	CXL			
VO	0448 Tomato	2		5(a)	98		32
VL	0506 Turnip greens	1		5	98		32
VR	0506 Turnip, Garden	0.5		CXL			
VR	0506 Turnip, Garden	0.1		5(a)	98		32
GC	0654 Wheat	0.2		5	98		32
AS	0654 Wheat straw and fodder, Dry	10		5	98		32
VS	0469 Witloof chicory (sprouts)	0.5		CXL-D	98		32

Withdrawal recommended (1998 JMPR)

30 DIPHENYLAMINE

Main Uses 21 STORAGE SCALD PREVENTOR

JMPR 69, 76, 79R, 82T, 84, 98T, 00R'

ADI 0.08 mg/kg body weight (1998)

AcuteRfD Unnecessary (1998)

RESIDUE Diphenylamine.

Note Previous ADI 0.02 mg/kg bw (1984).

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FP 0226	Apple	5	Po	CXL			

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)	

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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 bw (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		

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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)

AcuteRfD Unnecessary (1998)

RESIDUE Ethoxyquin.

Note Previous ADI 0.06 mg/kg bw (1969)

The CCPR would consider at its 33rd Session revocation of the CXL for pear unless sufficient toxicological data would become available (32.94)

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FP	0230 Pear	3	Po	CXL	99	26, 27, 28, 29, 31	The 27th, 28th, 29th and 31st CCPR postponed recommending deletion pending the residue evaluation by the 1999 JMPR of new residue data (31.50). Withdrawal recommended (1999 JMPR).

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)

AcuteRfD 0.04 mg/kg bw (JMPR 2000)

RESIDUE Fenitrothion (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	0.5	CXL			
VB	0041 Cabbages, Head	0.5	CXL			
SB	0715 Cacao beans	0.1	CXL			
VB	0404 Cauliflower	0.1	CXL			
GC	0080 Cereal grains	10	Po			
FS	0013 Cherries	0.5	CXL			
FC	0001 Citrus fruits	2	CXL			
VC	0424 Cucumber	0.05	(*)			
VO	0440 Egg plant	0.1	CXL			
FB	0269 Grapes	0.5	CXL			
VA	0384 Leek	0.2	CXL			
VL	0482 Lettuce, Head	0.5	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*) (fat) E			
ML	0106 Milks	0.002	(*) E			
VA	0385 Onion, Bulb	0.05	(*)			
FS	0247 Peach	1	CXL			
FP	0230 Pear	0.5	CXL			
VP	0063 Peas (pods and succulent=immature seeds)	0.5	CXL			
VO	0051 Peppers	0.1	CXL			
VR	0589 Potato	0.05	(*)			
VR	0494 Radish	0.2	CXL			
CM	1206 Rice bran, Unprocessed	20	PoP			
CM	1205 Rice, Polished	1	PoP			
VD	0541 Soya bean (dry)	0.1	CXL			
FB	0275 Strawberry	0.5	CXL			

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DT	1114 Tea, Green, Black	0.5		CXL	
VO	0448 Tomato	0.5		CXL	
CF	0654 Wheat bran, Processed	2	PoP	CXL	
CM	0654 Wheat bran, Unprocessed	20	PoP	CXL	
CF	1211 Wheat flour	2	PoP	CXL	(1991)
CF	1212 Wheat wholemeal	5	PoP	CXL	
CP	1211 White bread	0.2	PoP	CXL	

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 bw (1997)

RESIDUE Sum of fenthion, its oxygen analogue and their sulfoxides and sulphones, expressed as fenthion (fat-soluble).

Note The CCPR-32 noted that animal feeding studies had been provided to the 2000 JMPR (32.95).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note	
Code	Name						
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	It was reported that residues were found only in the inedible portion. Data from trials supporting the new GAP would not be available in time for evaluation in 2000 (31.51)	
MM	0095 Meat (from mammals other than marine mammals)	2	(fat) V	CXL	95	29, 32	Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting data on animal feeding studies (29.50). Retained beyond the 40year period pending the review by the 2000 JMPR (32.95)
ML	0106 Milks	0.05	F V	CXL	95	29, 32	Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure pending data on animal feeding studies (29.50). Retained beyond the 40year period pending the review by the 2000 JMPR (32.95)
OC	0305 Olive oil, Virgin	1	CXL				
OC	0305 Olive oil, Virgin	3	7B(a)	95	29, 30, 31	The 1997 JMPR estimated that ingestion of up to 200 ml of virgin olive oil containing residues at the MRL level would not lead to exposure exceeding the acute RfD of 0.01 mg/kg bw. The Committee noted that new GAP was being developed in the EC (30.43). New data on olives would be available for the 2000 JMPR	
FT	0305 Olives	1	CXL				
FC	0004 Oranges, Sweet, Sour	0.5	7B(a)	95	29, 30, 31	It was reported that residues were found only in the inedible portion. Data from trials supporting the new GAP would not be available in time for evaluation in 2000 (31.51)	
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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	3	97, 98		Cofimed (1999 JMPR)
VC 0424	Cucumber	2	CXL			
VC 0424	Cucumber	1	3(a)	94, 97, 98, 99	28	Previous MRL 0.5 mg/kg was recommended for withdrawal by the 1998 JMPR. The 1999 JMPR recommended a new MRL.
DF 0269	Dried grapes (=currants, raisins and sultanas)	40	3	97, 98		Confirmed (1999 JMPR)
FB 0269	Grapes	2	CXL		(1997)	
FB 0269	Grapes	10	3(a)	97, 98		Confirmed (1999 JMPR)
VL 0482	Lettuce, Head	50	3	99		
VC 0046	Melons, except watermelon	3	3	97, 98		Confirmed (1999 JMPR)
VA 0385	Onion, Bulb	1	3	99		
VR 0589	Potato	0.02 (*)	CXL		(1997)	
VR 0589	Potato	0.1	3(a)	99		
FB 0275	Strawberry	20	CXL			
FB 0275	Strawberry	5	6(a)	93, 97, 98	27, 28	Confirmed (1999 JMPR)
VO 0448	Tomato	3	3	97, 98		Confirmed (1999 JMPR)

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
@@	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		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
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 0

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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			

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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 (01T)(03R')

ADI 0.001 mg/kg body weight TADI; 1997-2001)

RESIDUE Gamma-HCH (fat-soluble).

Note Previous ADI 0.008 mg/kg bw (1989).

The CCPR-31 postponed to its next session making decision whether or not to recommend revocation of CXLs (except those accompanied y the letter "E") awaiting detailed information on which commodities would be supported and what data would become available. (31.55)

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)

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	0.5	CXL		31	
VD	0071 Beans (dry)	1	CXL		31	Po
VB	0402 Brussels sprouts	0.5	CXL		31	
VB	0403 Cabbage, Savoy	0.5	CXL		31	
VB	0041 Cabbages, Head	0.5	CXL		31	
SB	0715 Cacao beans	1	CXL		31	
VR	0577 Carrot	0.2	CXL		31	E
VB	0404 Cauliflower	0.5	CXL		31	
GC	0080 Cereal grains	0.5	CXL		31	Po
FS	0013 Cherries	0.5	CXL		31	
DM	1215 Cocoa butter	1	CXL		31	
DM	1216 Cocoa mass	1	CXL		31	
FB	0265 Cranberry	3	CXL		31	
FB	0279 Currant, Red, White	0.5	CXL		31	
PE	0112 Eggs	0.1	CXL		31	E
VL	0476 Endive	2	CXL		31	
FB	0269 Grapes	0.5	CXL		31	
VB	0405 Kohlrabi	1	CXL		31	
VL	0482 Lettuce, Head	2	CXL		31	
MM	0097 Meat of cattle, pigs & sheep	2	CXL		31	(fat) V
ML	0106 Milks	0.01	CXL		31	F V
FP	0230 Pear	0.5	CXL		31	
VP	0063 Peas (pods and succulent=immature seeds)	0.1	CXL		31	

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FS	0014 Plums (including prunes)	0.5		CXL	31
VR	0589 Potato	0.05	(*)	CXL	31
PM	0110 Poultry meat	0.7	(fat) E	CXL	31
VR	0494 Radish	1		CXL	31
SO	0495 Rape seed	0.05	(*)	CXL	31
VL	0502 Spinach	2		CXL	31
FB	0275 Strawberry	3		CXL	31
VR	0596 Sugar beet	0.1		CXL	31
AV	0596 Sugar beet leaves or tops	0.1		CXL	31
VO	0448 Tomato	2		CXL	31

49 MALATHION

Main Uses 8 INSECTICIDE

JMPR 65T, 66, 68R, 69R, 70R, 73R, 75R, 77R, 84R, 97T', 99R' (04R)

ADI 0.3 mg/kg body weight (1997)

RESIDUE Malathion.

Note The CCPR-32 was informed that the use on apple; broccoli; cabbages, head; citrus fruits; grapes; peach; raspberries, red, black; and potato would be supported. The CCPR at its 33rd Session would consider retention of the CXLs for the above-mentioned commodities (except potato) and the one for root and tuber vegetables awaiting information on potato; and revocation of all other CXLs recommended for withdrawal by the 1999 JMPR (32.97).

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	200	3	99		
AL	1021 Alfalfa forage (green)	500	3	99		
FP	0226 Apple	2	CXL	99		Withdrawal recommended (1999 JMPR)
VS	0621 Asparagus	1	3	99		
VD	0071 Beans (dry)	8	CXL		Po	
VD	0071 Beans (dry)	2	3(a)	99		
VP	0061 Beans, except broad bean and soya bean	1	3	99		
FB	0264 Blackberries	8	CXL	99		Withdrawal recommended (1999 JMPR)
FB	0020 Blueberries	0.5	CXL			
FB	0020 Blueberries	10	3(a)	99		
VB	0400 Broccoli	5	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0041 Cabbages, Head	8	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0404 Cauliflower	0.5	CXL	99		Withdrawal recommended (1999 JMPR)
VS	0624 Celery	1	CXL	99		Withdrawal recommended (1999 JMPR)
GC	0080 Cereal grains	8	CXL	99	Po	Withdrawal recommended (1999 JMPR)
VL	0464 Chard	0.5	CXL	99		Withdrawal recommended (1999 JMPR)
FS	0013 Cherries	6	CXL	99		Withdrawal recommended (1999 JMPR)
FC	0001 Citrus fruits	4	CXL	99		Withdrawal recommended (1999 JMPR)
AL	1023 Clover	500	3	99		
AL	1031 Clover hay or fodder	150	3	99		
VP	0526 Common bean (pods and/or immature seeds)	2	CXL	99		Withdrawal recommended (1999 JMPR)
SO	0691 Cotton seed	20	3	99		
OC	0691 Cotton seed oil, Crude	13	3	99		

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OR	0691 Cotton seed oil, Edible	13		3	99	
VC	0424 Cucumber	0.2		3	99	
DF	0167 Dried fruits	8		CXL	99	Withdrawal recommended (1999 JMPR)
VO	0440 Egg plant	0.5		CXL	99	Withdrawal recommended (1999 JMPR)
VL	0476 Endive	8		CXL	99	Withdrawal recommended (1999 JMPR)
FB	0269 Grapes	8		CXL	99	Withdrawal recommended (1999 JMPR)
AF	0162 Grass forage	200		3	99	
AS	0162 Hay or fodder (dry) of grasses	300		3	99	
VL	0480 Kale	3		CXL	99	Withdrawal recommended (1999 JMPR)
VB	0405 Kohlrabi	0.5		CXL	99	Withdrawal recommended (1999 JMPR)
VD	0533 Lentil (dry)	8		CXL	99	Withdrawal recommended (1999 JMPR)
VL	0482 Lettuce, Head	8		CXL	99	Withdrawal recommended (1999 JMPR)
GC	0645 Maize	0.05		3(a)	99	
AS	0645 Maize fodder	50		3	99	
AF	0645 Maize forage	10		3	99	
VL	0485 Mustard greens	2		3	99	
AO5	1900 Nuts (whole in shell)	8		CXL	99	Withdrawal recommended (1999 JMPR)
VA	0385 Onion, Bulb	1		3	99	
FS	0247 Peach	6		CXL	99	Withdrawal recommended (1999 JMPR)
FP	0230 Pear	0.5		CXL	99	Withdrawal recommended (1999 JMPR)
VP	0063 Peas (pods and succulent=immature seeds)	0.5		CXL	99	Withdrawal recommended (1999 JMPR)
VO	0051 Peppers	0.5		CXL		
VO	0051 Peppers	0.1		3(a)	99	
FS	0014 Plums (including prunes)	6		CXL	99	Withdrawal recommended (1999 JMPR)
FB	0272 Raspberries, Red, Black	8		CXL	99	Withdrawal recommended (1999 JMPR)
VR	0075 Root and tuber vegetables	0.5		CXL	99	Except turnip, garden. Withdrawal recommended (1999 JMPR)
CM	0650 Rye bran, Unprocessed	20	PoP	CXL	99	Withdrawal recommended (1999 JMPR)
CF	1250 Rye flour	2	PoP	CXL	99	Withdrawal recommended (1999 JMPR)
CF	1251 Rye wholemeal	2	PoP	CXL	99	Withdrawal recommended (1999 JMPR)
GC	0651 Sorghum	3		3(a)	99	
VL	0502 Spinach	8		CXL		
VL	0502 Spinach	3		3(a)	99	
VA	0389 Spring onion	5		3	99	
FB	0275 Strawberry	1		CXL		Confirmed (1999 JMPR)

VO	0447 Sweet corn (corn-on-the-cob)	0.02		3	99	
VO	0448 Tomato	3		CXL		
VO	0448 Tomato	0.5		3(a)	99	
JF	0448 Tomato juice	0.01		3	99	
VL	0506 Turnip greens	5		3	99	
VR	0506 Turnip, Garden	3		CXL		
VR	0506 Turnip, Garden	0.2		3(a)	99	
GC	0654 Wheat	0.5		3(a)	99	
CM	0654 Wheat bran, Unprocessed	20	PoP	CXL		In the 1999 JMPR Report, no recommendation was made on this MRL. The CCPR-32 noted that new trial data were available for post harvest uses on wheat bran, unprocessed (32.97).
CF	1211 Wheat flour	2	PoP	CXL		In the 1999 JMPR Report, no recommendation was made on this MRL. The CCPR-32 noted that new trial data were available for post harvest uses on wheat flour (32.97)
AF	0654 Wheat forage (whole plant)	20		3	99	
AS	0654 Wheat straw and fodder, Dry	50		3	99	
CF	1212 Wheat wholemeal	2	PoP	CXL		In the 1999 JMPR Report, no recommendation was made on this MRL.

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 bw (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			

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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 bw (1996)

RESIDUE Sum of (E)- and (Z)-mevinphos.

Note Residue trial data would be submitted for broccoli, Brussels sprouts, cauliflower, citrus fruits, cucumber, grapes, melons (except watermelon), peas (pods and succulent=immature seeds), spinach, strawberry and tomato. (31.56)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VB	0400 Broccoli	1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VB	0402 Brussels sprouts	1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VB	0041 Cabbages, Head	1	CXL-D		32	
VB	0041 Cabbages, Head	0.05	8(a)	97	31, 32	
VB	0404 Cauliflower	1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FC	0001 Citrus fruits	0.2	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VP	0526 Common bean (pods and/or immature seeds)	0.1	CXL-D		32	
VP	0526 Common bean (pods and/or immature seeds)	0.05	8(a)	97	31, 32	
VC	0424 Cucumber	0.2	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FB	0269 Grapes	0.5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VA	0384 Leek	0.02 (*)	8	97	31, 32	
VC	0046 Melons, except watermelon	0.05	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VP	0063 Peas (pods and succulent=immature seeds)	0.1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
VL	0502 Spinach	0.5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)
FB	0275 Strawberry	1	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)

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VO 0448 Tomato

0.2

CXL 97

31

Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.56)

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 bw (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)	

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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	Commodity 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)
FS 0240	Apricot	2	6	71, 84, 86, 90, 98	23, 24	Withdrawal recommended (1990, 1998 JMPR)
VS 0620	Artichoke globe	0.5	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FI 0327	Banana	0.2 (*)	3	90, 98		The estimate is intended to accommodate post-harvest and/or pre-harvest uses of dimethoate (1990 JMPR). Withdrawal recommended (1998 JMPR)
VP 0061	Beans, except broad bean and soya bean	0.2	3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VB 0400	Broccoli	0.2	3	98		Previous CXL being reconsidered at Step 3. 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	3	90, 98	T	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)

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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	Withdrawal recommended (1998 JMPR)
FC	0001 Citrus fruits	2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VC	0424 Cucumber	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB	0278 Currant, Black	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)
DH	1100 Hops, Dry	3		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0480 Kale	0.2		3	98		Previous CXL being reconsidered at Step 3. 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)
FS	0247 Peach	2		6	71, 84, 86, 90, 98	23, 24	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)
VL	0502 Spinach	0.1		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
FB	0275 Strawberry	1		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)

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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)
VS	0469 Witloof chicory (sprouts)	0.5	6	86, 90, 98	24	The estimate is intended to accommodate post-harvest and/or pre-harvest uses of dimethoate (1990 JMPR). Withdrawal recommended (1998 JMPR)

56 2-PHENYLPHENOL

Main Uses 5 FUNGICIDE

JMPR 69, 75R, 83T, 85, 89T, 90, 99' (04R)

ADI 0.4 mg/kg body weight (1999)

AcuteRfD Unnecessary (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)

The Committee noted that supporting data for citrus fruits and pear had been submitted and the compound was scheduled for Periodic Review by the 1999 JMPR. (31.58).

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
FC	0001 Citrus fruits	10	Po	CXL			
FC	0001 Citrus fruits	10		3(a)	99		
AB	0001 Citrus pulp, Dry	60		3	99		
JF	0004 Orange juice	0.5		3	99		
FP	0230 Pear	25	Po	CXL	99	26	Withdrawal recommended (1999 JMPR). The CCPR-32 would consider retention of this CXL as the US growers agreed to supply data later in 2000 (32.98).

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 bw (1995)

RESIDUE Parathion.

Note The CCPR-26 decided to request the JMPR to reconsider the limit of determination at a future evaluation in view of the low ADI, especially in comparison with the lower limit of determination of parathion-methyl (26.147).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.05 (*)	CXL		(1999)	
FS 0240	Apricot	1	CXL			
SO 0691	Cotton seed	1	CXL		(1997)	
VA 0384	Leek	0.05	CXL		(1995)	
FC 0204	Lemon	0.5	CXL		(1995)	
GC 0645	Maize	0.1	CXL		(1997)	
FC 0206	Mandarin	0.5	CXL		(1995)	
OC 0305	Olive oil, Virgin	2	CXL		(1995)	
FT 0305	Olives	0.5	CXL		(1995)	
FC 0004	Oranges, Sweet, Sour	0.5	CXL		(1995)	
FS 0247	Peach	1	CXL			
VR 0589	Potato	0.05 (*)	CXL		(1995)	
GC 0651	Sorghum	5	CXL		(1997)	
VD 0541	Soya bean (dry)	0.05 (*)	CXL		(1997)	
SO 0702	Sunflower seed	0.05 (*)	CXL		(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 bw (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
VS	0620 Artichoke globe	2	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
AL	1030 Bean forage (green)	1	6	94, 00	29, 30	Confirmed (JMPR 2000)
VD	0071 Beans (dry)	0.05 (*)	CXL	00	(1997)	Confirmed (JMPR 2000)
VB	0400 Broccoli	0.2	CXL	00	(1999)	Withdrawal recommended (JMPR 2000)
VB	0041 Cabbages, Head	0.05	CXL	00	(1999)	Changed from 0.2 (JMPR 2000)
VR	0577 Carrot	1	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VS	0624 Celery	5	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
FS	0013 Cherries	0.01 (*)	CXL	00	(1995)	Withdrawal recommended (JMPR 2000)
AL	1023 Clover	10	6	94, 00	29, 30	Withdrawal recommended (JMPR 2000)
VP	0526 Common bean (pods and/or immature seeds)	0.05 (*)	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VP	0528 Garden pea (young pods)	1	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
FB	0268 Gooseberry	0.01 (*)	CXL	00	(1995)	Withdrawal recommended (JMPR 2000)
AS	0162 Hay or fodder (dry) of grasses	5	6	94, 00	29, 30	Confirmed (JMPR 2000)
DH	1100 Hops, Dry	1	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VL	0482 Lettuce, Head	0.05 (*)	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VL	0483 Lettuce, Leaf	0.5	CXL	00	(1997)	Withdrawal recommended JMPR 2000)
VP	0534 Lima bean (young pods and/or immature beans)	0.05 (*)	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VL	0485 Mustard greens	0.5	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VD	0072 Peas (dry)	03	CXL	00	(1997)	Changed from 0.2mg/kg (JMPR 2000)
FS	0014 Plums (including prunes)	0.01 (*)	CXL	00	(1995)	Withdrawal recommended (JMPR 2000)
VR	0589 Potato	0.05 (*)	CXL	00	(1997)	Confirmed (JMPR 2000)

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FB	0272 Raspberries, Red, Black	0.01	(*)	CXL	00	(1995)	Withdrawal recommended (JMPR 2000)
GC	0649 Rice	3		6	94	29, 30	
AS	0649 Rice straw and fodder, Dry	10		6	94	29, 30	
CM	0649 Rice, Husked	1		CXL	00	(1999)	Not enough trials (JMPR 2000)
VL	0502 Spinach	0.5		CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VR	0596 Sugar beet	0.05	(*)	CXL	00		Confirmed (JMPR 2000)
AV	0596 Sugar beet leaves or tops	0.05	(*)	6	94, 00	29, 30	Confirmed (JMPR 2000)
VL	0506 Turnip greens	2		CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
VR	0506 Turnip, Garden	0.05	(*)	CXL	00	(1997)	Withdrawal recommended (JMPR 2000)
GC	0654 Wheat	5		6	94, 00	29, 30	Confirmed (JMPR 2000)
CM	0654 Wheat bran, Unprocessed	10		6	94	29, 30	
AS	0654 Wheat straw and fodder, Dry	10		6	94, 00	29, 30	Confirmed (JMPR 2000)

60 PHOSALONE

Main Uses 8 INSECTICIDE

JMPR 72, 75R, 76R, 93T, 94R', 97T, 99R (01T)

ADI 0.02 mg/kg body weight (1997)

RESIDUE Phosalone (fat-soluble).

Note Previous ADI 0.001 mg/kg (1993).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
TN	0660 Almonds	0.1	3	99		
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 (*)	3	99		
FP	0009 Pome fruits	2	3(a)	99		
FS	0012 Stone fruits	2	3	99		
TN	0678 Walnuts	0.05 (*)	3	99		

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', 00R'

ADI 0.2 mg/kg body weight (1995)

RESIDUE Piperonyl butoxide.

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
GC	0654 Wheat	10	Po	CXL		(1995)	

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 bw (1999)

RESIDUE Sum of pyrethrins I and II, cinerins I and II, and jasmolins I and II, determined after calibration by means of the International Pyrethrum Standard.

Note The Task force for this compound planned residue studies that will not become available before 1995 (26.165). JMPR 2000 not recommend MRL in berries, strawberries or grapes.

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
GC	0080 Cereal grains	3	Po	CXL			
MD	0180 Dried fish	3	Po	CXL			
DF	0167 Dried fruits	1	Po	CXL			
DV	0168 Dried vegetables	1	Po	CXL			
SO	0088 Oilseed	1	Po	CXL			
TN	0085 Tree nuts	1	Po	CXL			

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; Animal commodities, sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulphide, expressed as quintozene (fat soluble).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0640 Barley	0.01 (*)	5	98	32	
AS	0640 Barley straw and fodder, Dry	0.01 (*)	5	98	32	
VB	0400 Broccoli	0.02	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VB	0400 Broccoli	0.05	5(a)	98	32	
VB	0041 Cabbages, Head	0.02	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VB	0041 Cabbages, Head	0.1	5(a)	98	32	
PM	0840 Chicken meat	0.1 (*) (fat)	5	98	32	
PO	0840 Chicken, Edible offal of	0.1 (*)	5	98	32	
VD	0526 Common bean (dry)	0.2	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VD	0526 Common bean (dry)	0.02	5(a)	98	32	
VP	0526 Common bean (pods and/or immature seeds)	0.01	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VP	0526 Common bean (pods and/or immature seeds)	0.1	5(a)	98	32	
SO	0691 Cotton seed	0.03	CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
SO	0691 Cotton seed	0.01	5(a)	98	32	
PE	0112 Eggs	0.03 (*)	5	98	32	
VL	0482 Lettuce, Head	3	CXL-D	95, 98	32	Withdrawal recommended (1995 & 1998 JMPR)
GC	0645 Maize	0.01 (*)	5	98	32	
AS	0645 Maize fodder	0.01	5	98	32	

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AF	0645 Maize forage	0.01	(*)	5	98	32	
AL	0072 Pea hay or pea fodder (dry)	0.05		5	98	32	
SO	0697 Peanut	2		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
SO	0697 Peanut	0.5		5(a)	98	32	
SO	0703 Peanut, Whole	5		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VD	0072 Peas (dry)	0.01		5	98	32	
VO	0445 Peppers, Sweet	0.01		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VO	0445 Peppers, Sweet	0.05	(*)	5(a)	98	32	
VR	0589 Potato	0.2		CXL-D	95, 98	32	Withdrawal recommended (1995 & 1998 JMPR)
VD	0541 Soya bean (dry)	0.01	(*)	5	98	32	
AL	0541 Soya bean fodder	0.01	(*)	5	98	32	
AL	1265 Soya bean forage (green)	0.01	(*)	5	98	32	
VR	0596 Sugar beet	0.01	(*)	5	98	32	
VO	0448 Tomato	0.1		CXL			Withdrawal recommended (1995 JMPR). Retained for 4 years under the Periodic Review Procedure (29.54). Retained beyond the 4-yea period until the new MRL reach Step 8 (32.99)
VO	0448 Tomato	0.02		5(a)	98	32	
GC	0654 Wheat	0.01		5	98	32	
AS	0654 Wheat straw and fodder, Dry	0.03		5	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 Thiabendazole or, in the case of animal products, sum of thiabendazole and 5-hydroxythiabendazole.

Note New data have been developed for mango and avocado. (31.62) The CCPR-32 noted that the use for avocado, citrus fruits, mango, pome fruits and strawberry were supported (32.100).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	10	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)
FI	0327 Banana	5	CXL		(1999)	
MM	0812 Cattle meat	0.1	8(a)	97	31, 32	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)
ML	0812 Cattle milk	0.1	8(a)	97	31, 32	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)
MO	0812 Cattle, Edible offal of	0.1	7B(a)	97	31, 32	The CCPR-32 requested JMPR to review the MRL as it might be too low in the light of the sum of individual analytes included in the residue definition (32.101)
FC	0001 Citrus fruits	10	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)
MO	0096 Edible offal of cattle, goats, horses, pigs & sheep	0.1	CXL		(*)	The MRL accomodates veterinary uses except in the case of horses. To be replaced by the MRLs for the relevant commodity of cattle (1997 JMPR).
PE	0112 Eggs	0.1	3	97	31	
MM	0096 Meat of cattle, goats, horses, pigs & sheep	0.1	CXL-D		32	The MRL accomodates veterinary uses except in the case of horses To be replaced by the MRLs for the relevant commodity of cattle (1997 JMPR).
ML	0106 Milks	0.1	CXL-D		32	The MRL accomodates veterinary uses (for goats and cattle). To be replaced by the MRLs for the relevant commodity of cattle (1997 JMPR).
VO	0450 Mushrooms	60	3	97	32	Returned to Step 3 as a new label based on revised GAP would be considered by the 2000 JMPR (32.101)

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FP	0230 Pear	10		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)
VR	0589 Potato	15		CXL		(1999)	
PM	0110 Poultry meat	0.05		CXL		(1999)	
FB	0275 Strawberry	3		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)
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.
The CCPR-33 would consider revocation/withdrawal of the remaining CXLs and the draft MRL for nectarine. (32.102)

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)
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL		(1993)	Will not be supported. The CCPR-33 would consider its revocation (32.102)
VC	0424 Cucumber	0.5	CXL			Will not be supported. The CCPR-33 would consider its revocation (32.102)
VO	0440 Egg plant	0.1 (*)	CXL		(1993)	Will not be supported. The CCPR-33 would consider its revocation (32.102)
VC	0425 Gherkin	1	CXL			Will not be supported. The CCPR-33 would consider its revocation (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		V	Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
VC	0046 Melons, except watermelon	0.5	CXL			Will not be supported. The CCPR-33 would consider its revocation (32.102)
AO3	0001 Milk products	0.05 (*)	CXL		V	Will not be supported (32.102). However, residues may be present in the commodity arising from feedingstuffs.
ML	0106 Milks	0.05 (*)	CXL		V	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)
VO	0445 Peppers, Sweet	0.5	CXL			Will not be supported. The CCPR-33 would consider its revocation (32.102)

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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)
FB	0275 Strawberry	0.5	CXL		(1993)	Will not be supported. The CCPR-33 would consider its revocation (32.102)
VO	0448 Tomato	2	CXL			Will not be supported. The CCPR-33 would consider its revocation (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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
@@	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 residues occurring as a metabolic product of benomyl or thiophanate-methyl, or from direct use of carbendazim.

Note Source of data: B, benomyl; C, carbendazim; Th, thiophanate-methyl (base of recommendation in upper case)

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).

Commodity Code	Name	MRL (mg/kg)		Step	JMPR	CCPR	Note	
FS	0240 Apricot	0.1		B	6	83, 88, 94, 98	24, 32	Changed from 10 mg/kg Po (1994 JMPR). Withdrawal recommended (1998 JMPR).
VS	0621 Asparagus	0.1	(*)	B	CXL	98	(1991) 32	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	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FI	0327 Banana	1	Po	B,C,Th	CXL		(1991)	
FI	0327 Banana	0.2		B	5(a)	98	32	
GC	0640 Barley	0.5		C	5(a)	94, 98	32	Changed from 0.1 mg/kg (C,Th)(1998 JMPR)
AS	0640 Barley straw and fodder, Dry	2		B	CXL	98	(1991)	The 1998 JMPR recommended an MRL at the same level as the CXL but based on the use of carbendazim
AS	0640 Barley straw and fodder, Dry	2		C	5(a)	98	32	
VD	0071 Beans (dry)	2		B	CXL		(1991)	
VD	0071 Beans (dry)	0.5		Th	5(a)	98	32	
FB	0018 Berries and other small fruits	1		B,Th	6	88, 94, 98	24, 32	Withdrawal recommended (1998 JMPR). To be replaced by the MRL for grapes.
VP	0522 Broad bean (green pods and immature seeds)	2		Th	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR).
VB	0402 Brussels sprouts	0.5		B	CXL		(1991)	Confirmed (1998 JMPR)
VR	0577 Carrot	0.2		B	5	98	32	
MM	0812 Cattle meat	0.1	(*)	B	CXL		(1991)	
MM	0812 Cattle meat	0.05	(*)	B	5(a)	98	32	

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VS	0624 Celery	2		B,C	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
GC	0080 Cereal grains	0.5		B,C,Th	6	88, 94,98	24, 32	To be replaced by MRLs for Barley and Wheat (1998 JMPR).
PF	0840 Chicken fat	0.1	(*)	Th	CXL		(1991)	
PF	0840 Chicken fat	0.05	(*)	B	5(a)	98	32	
SB	0716 Coffee beans	0.1	(*)	C	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VP	0526 Common bean (pods and/or immature seeds)	2		B,C,Th	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VC	0424 Cucumber	0.5		B,C,Th	CXL		(1991)	
VC	0424 Cucumber	0.05	(*)	b, C	5(a)	98	32	
MO	0105 Edible offal (mammalian)	0.05	(*)	B	5	98	32	
VO	0440 Egg plant	0.5		C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR).
PE	0112 Eggs	0.1	(*)	B,Th	CXL		(1991)	
PE	0112 Eggs	0.05	(*)	B	5(a)	98	32	
VP	0529 Garden pea, Shelled	0.02		Th	5	98	32	
VC	0425 Gherkin	2		C,Th	CXL		(1991)	
VC	0425 Gherkin	0.05	(*)	b,C	5(a)	98	32	
FB	0269 Grapes	3		b, Th	5(a)	98	32	
DH	1100 Hops, Dry	50		C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR).
VL	0482 Lettuce, Head	5		Th	6	73,75,78,83,88, 94,98	24, 32	Withdrawal recommended (1998 JMPR). Retained because of commitment to submit data (32.103).
FI	0345 Mango	2		B	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VC	0046 Melons, except watermelon	2	Po	B,C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
ML	0106 Milks	0.1	(*)	B	CXL		(1991)	
ML	0106 Milks	0.05	(*)	B	5(a)	98	32	
FS	0245 Nectarine	2		B	6	73, 83, 88, 94, 98	24	Withdrawal recommended (1998 JMPR)
GC	0647 Oats	0.1		C	5(a)	94, 98	32	Withdrawal recommended (1998 JMPR)
VA	0385 Onion, Bulb	2		C,Th	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
FC	0004 Oranges, Sweet, Sour	1		B	5	98	32	

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FS	0247 Peach	2		B	6	73, 78, 83, 88, 94, 98	24, 32	Confirmed (1998 JMPR)
SO	0697 Peanut	0.1	(*)	B,C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
AL	0697 Peanut fodder	5		B,C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VO	0051 Peppers	0.1		Th	6	83, 88, 94, 98	24, 32	Withdrawal recommended (1998 JMPR). Retained because of commitment to submit data (32.103)
FI	0353 Pineapple	5		B	5	98	32	
FS	0014 Plums (including prunes)	0.5		B	6	73, 83, 88, 94, 98	24, 32	The 1998 JMPR recommended an MRL at the same level as the existing one (Th) but based on the use of benomyl.
FP	0009 Pome fruits	3		B,c,th	6	88, 94, 98	24, 32	Changed from 2 mg/kg (B,C,Th)(1998 JMPR).
VR	0589 Potato	3	Po	B,C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
PM	0110 Poultry meat	0.1	(*)	B,Th	CXL		(1991)	
PM	0110 Poultry meat	0.05	(*)	B	5(a)	98	32	
SO	0495 Rape seed	0.1	(*)	C	CXL		(1991)	
SO	0495 Rape seed	0.05	(*)	C	5(a)	98	32	
AS	0649 Rice straw and fodder, Dry	15		B,C,Th	CXL	98	(1991)	The 1998 JMPR recommended an MRL at the same level as the CXL but based on the use of benomyl.
AS	0649 Rice straw and fodder, Dry	15		B	5(a)	98	32	
CM	0649 Rice, Husked	2		B	5(a)	98	32	
GC	0650 Rye	0.1		C,Th	5(a)	94, 98	32	Withdrawal recommended (1998 JMPR)
MM	0822 Sheep meat	0.1	(*)	B	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VD	0541 Soya bean (dry)	0.2		C	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
AL	0541 Soya bean fodder	0.1	(*)	C	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VC	0431 Squash, Summer	0.5		B	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VR	0596 Sugar beet	0.1	(*)	B,C,Th	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VR	0497 Swede	0.1	(*)	C	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VR	0508 Sweet potato	1		B	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VR	0505 Taro	0.1	(*)	B	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)
VO	0448 Tomato	0.5		b,C	6	73, 83, 88, 94, 98	24, 32	Changed from 0.1 mg/kg (Th) (1998 JMPR)
TN	0085 Tree nuts	0.1	(*)	B	CXL	98	(1991) 32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data on macadamia nut (32.103).

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GC	0654 Wheat	0.05	(*)	b,Th	5(a)	94, 98	32	Changed from 0.1 mg/kg (B,C,Th) (1998 JMPR)
AS	0654 Wheat straw and fodder, Dry 5			B	CXL		(1991)	
AS	0654 Wheat straw and fodder, Dry 1			B,C	5(a)	98	32	
VC	0433 Winter squash	0.5		B	CXL-D	98	(1991) 32	Withdrawal recommended (1998 JMPR)

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
@@	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 bw (1996)

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

Note DIE: 150-840% of the ADI

Additional processing studies are currently being generated on coffee, maize, oats, potato, rice and sorghum and will be available in December 1996. Data on cooking will become available (26.180).

The MRLs set at or around the limit of determination had been kept at Step 7C since the 26th until the 28th CCPR (except that for garden pea (shelled); the MRLs for head lettuce, leaf lettuce were also kept at Step 7C). 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)

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	
GC	0640 Barley	0.2	6(a)	91, 94	28, 29, 31, 32	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	Changed from 0.05 mg/kg at Step 7B (1998 JMPR)
VB	0400 Broccoli	0.1	6	91, 94	26, 28, 29, 31, 32	Changed from 0.2 mg/kg (1994 JMPR).
VB	0041 Cabbages, Head	0.2	6	91, 94	26, 28, 29, 31, 32	
VB	0404 Cauliflower	0.05	6	91, 94	28, 29, 31, 32	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	
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	Confirmed (1994 JMPR).
SO	0691 Cotton seed	0.1	6	91, 94, 98	28, 29, 31, 32	Confirmed (1994 & 1998 JMPR); formerly at Step 7B.

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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	
VP	0529 Garden pea, Shelled	0.02	(*)	6	91, 94	28, 31, 32	
VL	0482 Lettuce, Head	1		6	91, 98	25, 26, 28, 29, 31, 32	Confirmed (1998 JMPR); formerly at Step 7B.
VL	0483 Lettuce, Leaf	1		6	91, 98	26, 28, 29, 31, 32	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	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	Changed from 0.02 mg/kg (1994 JMPR).
AF	0647 Oat forage (green)	0.5		6(a)	91, 94	26, 28, 29, 31, 32	Confirmed (1994 JMPR)
AS	0647 Oat straw and fodder, Dry	0.05		6	91, 94	26, 28, 29, 31, 32	Confirmed (1994 JMPR)
GC	0647 Oats	0.02	(*)	6(a)	91, 94	28, 31, 32	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	
VR	0591 Radish, Japanese	0.2		CXL		(1995)	
GC	0649 Rice	0.5		CXL			
GC	0651 Sorghum	1		6(a)	91, 94	28, 29, 31, 32	Changed from 0.5 mg/kg (1994 JMPR).
AF	0651 Sorghum forage (green)	5		6(a)	91, 94	25, 26, 28, 29, 31, 32	Changed from 20 mg/kg (1994 JMPR).
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	
VO	1275 Sweet corn (kernels)	0.02	(*)	6	91	28, 31, 32	
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	Confirmed (1994 JMPR).

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AF	0654 Wheat forage (whole plant)	1	6(a)	91, 94	26, 28, 29, 31, 32	Changed from 2 mg/kg (1994 JMPR).
AS	0654 Wheat straw and fodder, Dry	5	6	91, 94	26, 28, 29, 31, 32	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.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	3	CXL			
FB	0264 Blackberries	3	CXL			
VP	0522 Broad bean (green pods and immature seeds)	0.05 (*)	CXL		(1995)	
VB	0403 Cabbage, Savoy	0.5	CXL		(1995)	
VR	0577 Carrot	0.05 (*)	CXL		(1995)	
FS	0013 Cherries	3	CXL			
VP	0526 Common bean (pods and/or immature seeds)	1	CXL		(1995)	
VC	0424 Cucumber	0.1	CXL		(1995)	
FB	0279 Currant, Red, White	3	CXL			
VP	0528 Garden pea (young pods)	0.05	CXL		(1995)	
FB	0268 Gooseberry	3	CXL			
VB	0405 Kohlrabi	0.2	CXL		(1995)	
VA	0384 Leek	1	CXL		(1995)	
AL	0157 Legume animal feeds	1	CXL			fresh wt
VL	0482 Lettuce, Head	0.5	CXL		(1999)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
ML	0106 Milks	0.05 (*)	CXL			
VA	0385 Onion, Bulb	0.05 (*)	CXL		(1995)	
FS	0247 Peach	3	CXL			
FP	0230 Pear	3	CXL			
FS	0014 Plums (including prunes)	3	CXL			
VR	0589 Potato	0.02 (*)	CXL		(1999)	
CM	0649 Rice, Husked	0.1	CXL			
VL	0502 Spinach	2	CXL		(1995)	
FB	0275 Strawberry	3	CXL			

VO 0448 Tomato

0.05

CXL

(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)

AcuteRfD Unnecessary (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-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session (32.103).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	5 Po	CXL		32	
VR	0577 Carrot	5 Po	CXL		32	
VS	0624 Celery	20 Po	CXL		23, 32	The Committee recommended deletion unless data to support this MRL higher than that for carbendazim is provided (23.114).
GC	0080 Cereal grains	0.1 (*)	CXL		32	
FS	0013 Cherries	10	CXL		32	
PM	0840 Chicken meat	0.1 (*)	CXL		32	
FC	0001 Citrus fruits	10 Po	CXL		32	
FB	0278 Currant, Black	5	CXL		32	
FB	0268 Gooseberry	5	CXL		32	
FB	0269 Grapes	10	CXL		32	
VL	0482 Lettuce, Head	5	CXL		32	
VO	0450 Mushrooms	1	CXL		32	
FS	0247 Peach	10 Po	CXL		32	
FP	0230 Pear	5 Po	CXL		32	
FS	0014 Plums (including prunes)	2	CXL		32	
FB	0272 Raspberries, Red, Black	5	CXL		32	
FB	0275 Strawberry	5	CXL		32	
AV	0596 Sugar beet leaves or tops	5	CXL		32	
VO	0448 Tomato	5	CXL		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 CCPR-33 would consider revocation of the CXLs as there was no supporting data (32.105).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0080 Cereal grains	0.2	CXL		(1991)	
FB	0269 Grapes	0.5	CXL		(1991)	
FS	0247 Peach	0.5	CXL			
FP	0009 Pome fruits	1	CXL		(1995)	
CM	0649 Rice, Husked	0.2	CXL		(1991)	
VR	0596 Sugar beet	0.5	CXL			

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0269 Grapes	0.05	5	98	32	
FP	0009 Pome fruits	0.05 (*)	5	98	32	
FS	0012 Stone fruits	0.05 (*)	5	98	32	

80 CHINOMETHIONAT

Main Uses 5 FUNGICIDE

JMPR 68, 74, 77, 81, 83R, 84, 87T

ADI 0.006 mg/kg body weight (1987)

RESIDUE Chinomethionat.

Note The compounds was no longer supported (31.69; 32.108)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
TN	0660 Almonds	0.1			32	
FP	0226 Apple	0.2			32	
FI	0326 Avocado	0.1			32	
GC	0080 Cereal grains	0.1			32	
FC	0001 Citrus fruits	0.5			32	
VC	0424 Cucumber	0.1			32	
FB	0021 Currants, Black, Red, White	0.1			32	
VC	0425 Gherkin	0.1			32	
FB	0268 Gooseberry	0.1			32	
FB	0269 Grapes	0.1			32	
TN	0669 Macadamia nuts	0.02 (*)			32	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)			32	
VC	0046 Melons, except watermelon	0.1			32	
ML	0106 Milks	0.01 (*)			32	
FI	0350 Papaya	5			32	
FT	0307 Persimmon, Japanese	0.05			32	
FB	0275 Strawberry	0.2			32	
VC	0432 Watermelon	0.02			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.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0327 Banana	0.2	CXL	93	(1991) 27	Withdrawal recommended (1993 JMPR). Retained under the Periodic Review Procedure.
FI	0327 Banana	0.01 (*)	6(a)	97	31, 32	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)	

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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 would consider revocation of the CXLs. Governments are requested to provide information on the registration of dichlofluanid (32.110)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP	0226 Apple	5	CXL			
GC	0640 Barley	0.1	CXL			
FB	0264 Blackberries	10	CXL			
FS	0013 Cherries	2	CXL			
VP	0526 Common bean (pods and/or immature seeds)	2	CXL			
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			
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			
FB	0275 Strawberry	10	CXL			
VO	0448 Tomato	2	CXL			
GC	0654 Wheat	0.1	CXL			
AS	0654 Wheat straw and fodder, Dry	0.5	CXL			

83 DICLORAN

Main Uses 5 FUNGICIDE

JMPR 74, 77, 98' (03R)

ADI 0.01 mg/kg body weight (1998)

AcuteRfD Unnecessary (1998)

RESIDUE Dicloran (fat-soluble).

Note Previous ADI 0.03 mg/kg (1977)

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
VR	0577 Carrot	10	Po	CXL			
VR	0577 Carrot	15	Po	5(a)	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	10	Po	CXL-D		(1991) 29, 32	
VA	0385 Onion, Bulb	0.2		5/8(a)	98	32	
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 0.01 mg/kg body weight (1976)

RESIDUE Dodine.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 0.0008 mg/kg bw (1997)

RESIDUE Sum of fenamiphos and its sulfoxide and sulphone, expressed as fenamiphos.

Note Previous ADI, 0.0005 mg/kg bw (1987).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.05 (*)	3	99		
FI	0327 Banana	0.1	CXL			
FI	0327 Banana	0.05 (*)	3(a)	99		The information provided to the 1999 JMPR precludes an estimate that the acute dietary intake for children would be below the acute RfD.
VB	0400 Broccoli	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR).
VB	0402 Brussels sprouts	0.05 (*)	CXL			
VB	0402 Brussels sprouts	0.05	3(a)	99		
VB	0041 Cabbages, Head	0.05 (*)	CXL			
VB	0041 Cabbages, Head	0.05	3(a)	99		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.
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.
VB	0404 Cauliflower	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR).
SB	0716 Coffee beans	0.1	CXL	99		Withdrawal recommended (1999 JMPR).
SM	0716 Coffee beans, Roasted	0.1	CXL	99		Withdrawal recommended (1999 JMPR).
SO	0691 Cotton seed	0.05 (*)	CXL			Confirmed (1999 JMPR).
OC	0691 Cotton seed oil, Crude	0.05 (*)	3	99		
MO	0105 Edible offal (mammalian)	0.01 (*)	3	99		
PE	0112 Eggs	0.01 (*)	3	99		
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.
FI	0341 Kiwifruit	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR).
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)	3	99		

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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	(*)	3	99	
FC	0004 Oranges, Sweet, Sour	0.5		CXL	99	Withdrawal recommended (1999 JMPR).
SO	0697 Peanut	0.05	(*)	CXL		Confirmed (1999 JMPR).
OC	0697 Peanut oil, Crude	0.05	(*)	3	99	
VO	0051 Peppers	0.5		3	99	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.
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.
VR	0589 Potato	0.2		CXL	99	Withdrawal recommended (1999 JMPR).
PM	0110 Poultry meat	0.01	(*)	3	99	
PO	0111 Poultry, Edible offal of	0.01	(*)	3	99	
VD	0541 Soya bean (dry)	0.05	(*)	CXL	99	Withdrawal recommended (1999 JMPR).
VR	0596 Sugar beet	0.05	(*)	CXL	99	Withdrawal recommended (1999 JMPR).
VR	0508 Sweet potato	0.1		CXL	99	Withdrawal recommended (1999 JMPR).
VO	0448 Tomato	0.2		CXL		
VO	0448 Tomato	0.5		3(a)	99	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.
VC	0432 Watermelon	0.05	(*)	3	99	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.

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	CXL		Po	
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	CXL		Po	
MD 0180	Dried fish	8	CXL		Po	
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	CXL		Po	
OC 0697	Peanut oil, Crude	15	CXL		PoP	
OR 0697	Peanut oil, Edible	15	CXL		PoP	(1997)
SO 0703	Peanut, Whole	25	CXL		Po	

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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 DINOCAPI

Main Uses 5 FUNGICIDE

JMPR 69, 74, 89, 92R, 98, 99R

ADI 0.008 mg/kg body weight (1998)

AcuteRfD 0.008 mg/kg bw (1998)

RESIDUE Dinocap.

Note Previous ADI 0.001 mg/kg bw (1989).

The CCPR-32 requested JMPR to: comment on the acute RfD which might not be appropriate for children; conduct intake calculations; clarify at the 2000 JMPR that the residue definition still includes the isomer and phenols as established by the 1998 JMPR (Annex of the 1999 JMPR Report states "dinocap").

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	0.2	5	98	32	
VC 0045	Fruiting vegetables, Cucurbits	0.05 (*)	5	98	32	
FB 0269	Grapes	1	5	98	32	
FS 0247	Peach	0.1	5	98	32	
VO 0051	Peppers	0.2	5	98	32	
FB 0275	Strawberry	0.5	5	98	32	No support for the use on glasshouse grown strawberry (32.114)
VO 0448	Tomato	0.3	5	99	32	

90 CHLORPYRIFOS-METHYL

Main Uses 8 INSECTICIDE

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

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).

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	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	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)	

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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	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		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
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 (01TR')

ADI 0.03 mg/kg body weight (1989)

RESIDUE Sum of methomyl and methyl hydroxythioacetimidate ("methomyl oxime"), expressed as methomyl.
MRLs related to methomyl and (154) thiodicarb are combined into a single list.Note MRLs based on thiodicarb use are marked with Th.
The CCPR had decided on combined list for thiodicarb and methomyl.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1021 Alfalfa forage (green)	10	fresh wt	CXL	(1991)	
VS	0621 Asparagus	2		CXL	(1991)	
GC	0640 Barley	0.5		CXL	(1991)	
AS	0640 Barley straw and fodder, Dry	5		CXL	(1991)	
VD	0071 Beans (dry)	0.1		CXL	(1991)	
VB	0041 Cabbages, Head	5		CXL	(1991)	
VB	0404 Cauliflower	2		CXL	(1991)	
VS	0624 Celery	2		CXL	(1991)	
FC	0001 Citrus fruits	1		CXL	(1991)	
VP	0526 Common bean (pods and/or immature seeds)	2		CXL	(1991)	
SO	0691 Cotton seed	0.5	Th	CXL	(1991)	
VC	0424 Cucumber	0.2		CXL	(1991)	
VO	0440 Egg plant	0.2		CXL	(1991)	
FB	0269 Grapes	5		CXL	(1991)	
DH	1100 Hops, Dry	10		CXL	(1991)	
VL	0480 Kale	5		CXL	(1991)	
VL	0482 Lettuce, Head	5		CXL	(1991)	
GC	0645 Maize	0.05 (*)	Th	CXL		
AS	0645 Maize fodder	50	fresh wt	Th	CXL	
AF	0645 Maize forage	50	fresh wt	Th	CXL	
MM	0095 Meat (from mammals other than marine mammals)	0.02 (*)		CXL	(1991)	
VC	0046 Melons, except watermelon	0.2		CXL	(1991)	
ML	0106 Milks	0.02 (*)		CXL	(1991)	

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AM	0738 Mint hay	2		CXL	(1991)
FS	0245 Nectarine	5		CXL	(1991)
AS	0647 Oat straw and fodder, Dry	5		CXL	(1991)
GC	0647 Oats	0.5		CXL	(1991)
VA	0385 Onion, Bulb	0.2		CXL	(1991)
VA	0387 Onion, Welsh	0.5		CXL	(1991)
AL	0528 Pea vines (green)	10	fresh wt	CXL	(1991)
FS	0247 Peach	5		CXL	(1991)
SO	0697 Peanut	0.1		CXL	(1991)
AL	1270 Peanut forage (green)	5		CXL	(1991)
VP	0063 Peas (pods and succulent=immature seeds)	5		CXL	(1991)
VP	0064 Peas, Shelled (succulent seeds)	0.5		CXL	(1991)
VO	0051 Peppers	1		CXL	(1991)
FI	0353 Pineapple	0.2		CXL	(1991)
FP	0009 Pome fruits	2		CXL	(1991)
VR	0589 Potato	0.1		CXL	(1991)
GC	0651 Sorghum	0.2		CXL	(1991)
AF	0651 Sorghum forage (green)	1		CXL	(1991)
VD	0541 Soya bean (dry)	0.2	Th	CXL	
VP	0541 Soya bean (immature seeds)	0.1		CXL	(1991)
AL	1265 Soya bean forage (green)	10		CXL	(1991)
VL	0502 Spinach	5		CXL	(1991)
VC	0431 Squash, Summer	0.2		CXL	(1991)
VR	0596 Sugar beet	0.1		CXL	(1991)
VO	0447 Sweet corn (corn-on-the-cob)	2	Th	CXL	(1991)
VO	0448 Tomato	1	Th	CXL	(1991)
VC	0432 Watermelon	0.2		CXL	(1991)
GC	0654 Wheat	0.5		CXL	(1991)
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 (02')

ADI 0.03 mg/kg body weight (1988; confirmed 1990)

RESIDUE Acephate (The metabolite O,S-dimethyl phosphoramidothioate is (100) methamidophos, which has separate MRLs).

Note An acute RfD would be established by the 2000 JMPR (30.54).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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)

RESIDUE Sum of carbofuran and 3-hydroxycarbofuran expressed as carbofuran.

Note The Committee noted that an acute RfD would be established by the 2000 JMPR (31.78)

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. JMPR 2000 did not consider it.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	10	CXL		(1999)	
AL	1021 Alfalfa forage (green)	5	CXL-D		32	
AL	1021 Alfalfa forage (green)	10	8(a)	97	31, 32	
FI	0327 Banana	0.1 (*)	CXL			Confirmed (1997 JMPR).
VC	4199 Cantaloupe	0.2	6	97	31, 32	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	8	97	31, 32	The MRL is based on the use of carbosulfan.
SB	0716 Coffee beans	1	CXL		(1999)	
VC	0424 Cucumber	0.3	6	97	31, 32	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	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
FC	0206 Mandarin	0.5	3	99		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).

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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	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)	
CM	0649 Rice, Husked	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
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		8	97	31, 32	
AS	0651 Sorghum straw and fodder, Dry	0.5		8	97	31, 32	
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	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	Confirmed (1999 JMPR). Returned to Step 6 due to intake concerns (32.116)
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 (02')

ADI 0.004 mg/kg body weight (1990)

RESIDUE Methamidophos.

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

Note Establishment of an acute RfD by the 2000 JMPR was requested. 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)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1021 Alfalfa forage (green)	2	CXL			Based on treatment with acephate.
VB	0402 Brussels sprouts	1	CXL		(1991)	
VB	0041 Cabbages, Head	0.5	CXL		(1999)	Based on residues from the use of 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 residues from the use of methamidophos or acephate.
VS	0624 Celery	1	CXL		(1993)	
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			
DH	1100 Hops, Dry	5	CXL		(1991)	
VL	0482 Lettuce, Head	1	CXL		(1991)	
ML	0106 Milks	0.01 (*)	CXL			
FS	0247 Peach	1	6	96	30, 32	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	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.
SO	0495 Rape seed	0.1	CXL			
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.

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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	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.
VC	0432 Watermelon	0.5		CXL		(1993)	

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				
AL	1021 Alfalfa forage (green)	50				
GC	0640 Barley	0.05		(*)		
VP	0062 Beans, Shelled	0.1				
VR	0574 Beetroot	0.05		(*)		
VB	0400 Broccoli	1				
VB	0402 Brussels sprouts	1				
VB	0041 Cabbages, Head	1				
VB	0404 Cauliflower	1				
VS	0624 Celery	1				
FC	0001 Citrus fruits	0.05		(*)		Except orange.
VP	0526 Common bean (pods and/or immature seeds)	1				
SO	0691 Cotton seed	0.05		(*)		
VC	0424 Cucumber	1				
FB	0278 Currant, Black	0.5				
VO	0440 Egg plant	1				
PE	0112 Eggs	0.05		(*)		
VL	0476 Endive	1				
VC	0425 Gherkin	1				
VB	0405 Kohlrabi	0.5				
VA	0384 Leek	0.5				
VL	0482 Lettuce, Head	1				
MM	0095 Meat (from mammals other than marine mammals)	0.05		(*)		
ML	0106 Milks	0.05		(*)		
GC	0647 Oats	0.05		(*)		
VA	0385 Onion, Bulb	0.5				

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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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VA	0381 Garlic	15	5/8	98	32	
VA	0385 Onion, Bulb	15	CXL			Confirmed (1998 JMPR).
VR	0589 Potato	50	CXL			Confirmed (1998 JMPR).
VA	0388 Shallot	15	5/8	98	32	

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 bw (1998)

RESIDUE Phosmet.

Note The Committee noted all commodities except feijoa and kiwifruit would be supported and precise information on data availability would be provided to the Committee well in advance of the 32nd Session (31.81).

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	40	CXL-D	97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
AL	1021 Alfalfa forage (green)	40	CXL-D	97	31, 32	fresh wt Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119).
FP	0226 Apple	10	CXL	97	31	Confirmed (1997 JMPR).
FS	0240 Apricot	5	CXL			
FS	0240 Apricot	10	6(a)	97	31, 32	
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)
MM	0812 Cattle meat	1	CXL-D	97	31, 32	(fat) V Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
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)
SO	0691 Cotton seed	0.05	8	97	31, 32	
FB	0269 Grapes	10	CXL			Confirmed (1997 JMPR).
GC	0645 Maize	0.05	CXL-D	97	31, 32	Kernels and cob with husks removed. Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
AS	0645 Maize fodder	10	CXL-D	97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)

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AF	0645 Maize forage	10			CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
ML	0106 Milks	0.02	(*)	V	CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
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)
AL	0072 Pea hay or pea fodder (dry)	10			CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
AL	0528 Pea vines (green)	10		fresh wt	CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
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)
VD	0072 Peas (dry)	0.02	(*)		CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
VP	0063 Peas (pods and succulent=immature seeds)	0.2			CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
VR	0589 Potato	0.05			CXL-D	32	
VR	0589 Potato	0.05	(*)		8(a) 97	31, 32	
VO	0447 Sweet corn (corn-on-the-cob)	0.05			CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
VR	0508 Sweet potato	10		Po	CXL-D 97	31, 32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Will not be supported (32.119)
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)

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)	
TN	0660 Almonds	0.1 (*)	N, Z	CXL	(1999)	
VS	0621 Asparagus	0.1	c	CXL	(1999)	
FI	0327 Banana	2	c	CXL	(1999)	
GC	0640 Barley	1	c	CXL	(1999)	
AS	0640 Barley straw and fodder, Dry	25	C, n	CXL	(1999)	
VB	0041 Cabbages, Head	5	c, N	CXL	(1999)	
VR	0577 Carrot	1	c	CXL	(1999)	
FS	0013 Cherries	1	H	CXL-D 93, 96	32	To be replaced by the MRL for stone fruits. For thiram the MRL was confirmed (1996 JMPR).
VL	0510 Cos lettuce	10	n	CXL	(1999)	
FB	0265 Cranberry	5	c	CXL	(1999)	
VC	0424 Cucumber	2	c, N	CXL	(1999)	
FB	0021 Currants, Black, Red, White	10	C, m	CXL	(1999)	
MO	0105 Edible offal (mammalian)	0.1	C, m	CXL	(1999)	

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PE	0112 Eggs	0.05	(*)		c	CXL		(1999)	
VA	0381 Garlic	0.5			c	CXL		(1999)	
FB	0269 Grapes	5			C, m, n, p	CXL			Confirmed (1993 JMPR)
DH	1100 Hops, Dry	30			m	CXL		(1999)	
VL	0480 Kale	15			c, N	CXL		(1999)	
VA	0384 Leek	0.5			c	CXL		(1999)	
VL	0482 Lettuce, Head	10			C, N, m	CXL		(1999)	
AS	0645 Maize fodder	2			c	CXL		(1999)	
FC	0003 Mandarins	10			c	CXL		(1999)	
FI	0345 Mango	2			c	CXL		(1999)	
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)		c, m	CXL		(1999)	
VC	0046 Melons, except watermelon	0.5			C, p	CXL		(1999)	
ML	0106 Milks	0.05	(*)		c, m	CXL		(1999)	
VA	0385 Onion, Bulb	0.5			C, p	CXL		(1999)	
FC	0004 Oranges, Sweet, Sour	2			c	CXL		(1999)	
FI	0350 Papaya	5			c	CXL		(1999)	
SO	0697 Peanut	0.1	(*)		c	CXL		(1999)	
AL	0697 Peanut fodder	5			c	CXL		(1999)	
TN	0672 Pecan	0.1	(*)	T	Z	8	96	32	
VO	0445 Peppers, Sweet	1			c, n	CXL		(1999)	
FS	0014 Plums (including prunes)	1			H	CXL-D	93, 96	32	To be replaced by the MRL for stone fruits. For thiram the MRL was confirmed (1996JMPR).
FP	0009 Pome fruits	5			C, M, p, H, Z	CXL		(1999)	
VR	0589 Potato	0.2			c, m, n, p	CXL		(1999)	
PM	0110 Poultry meat	0.1			c	CXL		(1999)	
PO	0111 Poultry, Edible offal of	0.1			c	CXL		(1999)	
VC	0429 Pumpkins	0.2			c	CXL		(1999)	
VA	0389 Spring onion	10			n	CXL		(1999)	
VC	0431 Squash, Summer	1			c	CXL		(1999)	
FS	0012 Stone fruits	7		T	h, Z	8(a)	96	32	The proposed MRL arising from the use of thiram on plums and cherries is 1 mg/kg, but a TMRL of 7 mg/kg is proposed to accommodate uses of ziram on stone fruits (1996 JMPR)
FB	0275 Strawberry	5			H	8	96	32	

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VR	0596 Sugar beet	0.5		C, n	CXL	(1999)
AV	0596 Sugar beet leaves or tops	20		C, n	CXL	(1999)
VO	0447 Sweet corn (corn-on-the-cob)	0.1	(*)	c	CXL	(1999)
VO	0448 Tomato	5		C, m, n, p	CXL	(1999)
VC	0432 Watermelon	1		c, N	CXL	(1999)
GC	0654 Wheat	1		C, n, m	CXL	(1999)
AS	0654 Wheat straw and fodder, Dry	25		C, n, m	CXL	(1999)
VC	0433 Winter squash	0.1		c	CXL	(1999)

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)

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	6	94, 99	28, 29, 30, 31	Retained at Step 7 pending the 1999 JMPR evaluation (31.85). Confirmed (1999 JMPR).
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	3	99		
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	6	78, 94, 99	28, 29, 30, 31	CCPR-28 advanced this MRL to Step 5/8 but CCPR-29 decided not to omit Steps 6 & 7. Retained at Step 7 pending the 1999 JMPR evaluation (31.85). Confirmed (1999 JMPR).
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	6	77, 94, 99	28, 29, 30, 31	Retained at Step 7 pending the 1999 JMPR evaluation (31.85). Changed from 30 mg/kg (1999 JMPR).
FI	0353 Pineapple	2	6	77, 94, 99	28, 29, 30, 31	Retained at Step 7 pending the 1999 JMPR evaluation (31.85). Changed from 1 mg/kg (1999 JMPR).
PM	0110 Poultry meat	0.1 (*)	CXL		(1997)	
PO	0111 Poultry, Edible offal of	0.2 (*)	CXL		(1997)	

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GC	0650 Rye	1	CXL	(1997)	
AS	0650 Rye straw and fodder, Dry	5	CXL	(1997)	
VO	0448 Tomato	2	6	77, 85, 94, 99	28, 29, 30, 31 Retained at Step 7 pending the 1999 JMPR evaluation (31.85). Confirmed (1999 JMPR).
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' (01R')

ADI 0.03 mg/kg body weight (1991)

AcuteRfD Unnecessary (JMPR 2000)

RESIDUE Imazalil.

Commodity		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
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.

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	CXL	Po	(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	CXL	Po	(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)	

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VO	0448 Tomato	5	CXL	94	28, 29, 30, 31	Withdrawal recommended (1994 JMPR). Retained for 4 years under the Periodic Review Procedure (28.65). New data from indoor trials would become available in 1999 and the TMDI does not exceed the ADI (29.68). 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).
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	CXL		(1991)	fresh wt
AF	0645 Maize forage	0.2	CXL		(1993)	fresh wt
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' (01R')

ADI 0.01 mg/kg body weight (1999)

AcuteRfD Unnecessary (1999)

RESIDUE Propargite (fat-soluble).

Note Previous ADI, 0.15 mg/kg bw (1982)

The information provided to the 1999 JMPR precludes an estimate that the dietary intake would be below the ADI. TMDI: 30-210% of the ADI.

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	75				CXL
AL	1021 Alfalfa forage (green)	50				CXL
TN	0660 Almonds	0.1 (*)				CXL
FP	0226 Apple	5				CXL
AB	0226 Apple pomace, Dry	80				CXL
FS	0240 Apricot	7				CXL
VD	0071 Beans (dry)	0.2				CXL
FC	0001 Citrus fruits	5				CXL
AB	0001 Citrus pulp, Dry	40				CXL
VP	0526 Common bean (pods and/or immature seeds)	20				CXL
SO	0691 Cotton seed	0.1 (*)				CXL
FB	0265 Cranberry	10				CXL
VC	0424 Cucumber	0.5				CXL
DF	0269 Dried grapes (=currants, raisins and sultanas)	10				CXL
PE	0112 Eggs	0.1				CXL
FT	0297 Fig	2				CXL
AB	0269 Grape pomace, Dry	40				CXL
FB	0269 Grapes	10				CXL
DH	1100 Hops, Dry	30				CXL
GC	0645 Maize	0.1 (*)				CXL
AS	0645 Maize fodder	10				CXL
AF	0645 Maize forage	10				CXL

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MM	0095 Meat (from mammals other than marine mammals)	0.1	(fat)	CXL
ML	0106 Milks	0.1	F	CXL
AM	0738 Mint hay	50		CXL
FS	0245 Nectarine	7		CXL
FS	0247 Peach	7		CXL
SO	0697 Peanut	0.1	(*)	CXL
AL	0697 Peanut fodder	10		CXL
AL	1270 Peanut forage (green)	10	fresh wt	CXL
FP	0230 Pear	5		CXL
FS	0014 Plums (including prunes)	7		CXL
VR	0589 Potato	0.1	(*)	CXL
PM	0110 Poultry meat	0.1	(fat)	CXL
GC	0651 Sorghum	5		CXL
AF	0651 Sorghum forage (green)	10	fresh wt	CXL
AS	0651 Sorghum straw and fodder, Dry	10		CXL
FB	0275 Strawberry	7		CXL
DT	1114 Tea, Green, Black	10		CXL
VO	0448 Tomato	2		CXL
TN	0678 Walnuts	0.1	(*)	CXL

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		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
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	CXL		Po	
FS	0014 Plums (including prunes)	2	CXL			
FB	0275 Strawberry	1	CXL			
VO	0448 Tomato	0.5	CXL			
FT	0312 Tree tomato	0.02	CXL			The CCPR-33 should consider revocation of the MRL as it would not be supported (32.124)

117 ALDICARB

Main Uses 8 INSECTICIDE

JMPR 79, 82, 85R, 88R, 90R, 92T, 93R, 94R', 95T, 96R, 00R

ADI 0.003 mg/kg body weight (1992)

AcuteRfD 0.003 mg/kg bw (1995)

RESIDUE Sum of aldicarb, its sulphoxide and its 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). JMPR 2000 did not consider it.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
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	CXL		(1995)	
VR	0589 Potato	0.5	6(a)	96	30, 32	The 1996 JMPR converted the previous temporary status to full status. New data, based on amended GAP, will become available for evaluation by the 2000 JMPR (30.69). Returned to Step 6 pending JMPR review in 2000 (32.125).
GC	0651 Sorghum	0.1	CXL		(1997)	

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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	(*)	V			
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
MM	0095 Meat (from mammals other than marine mammals)	0.2	(fat)	V			
ML	0106 Milks	0.05	F	V			
VO	0450 Mushrooms	0.05	(*)	CXL			
FS	0245 Nectarine	2		CXL			

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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		

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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)

AcuteRfD Unnecessary (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 CCPR032 requested detailed information on support for permethrin. The CCPR-32 should consider revocation of all Codex MRLs for commodities which would not be supported.(32.127).

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	100				dry wt
TN	0660 Almonds	0.1				
AB	0226 Apple pomace, Dry	50				
VS	0621 Asparagus	1				
VD	0071 Beans (dry)	0.1				
FB	0264 Blackberries	1				
VB	0400 Broccoli	2				
VB	0402 Brussels sprouts	1				
VB	0403 Cabbage, Savoy	5				
VB	0041 Cabbages, Head	5				
VR	0577 Carrot	0.1				
VB	0404 Cauliflower	0.5				
VS	0624 Celery	2				
GC	0080 Cereal grains	2				Po
VL	0467 Chinese cabbage (type pe-tsai)	5				
FC	0001 Citrus fruits	0.5				
SB	0716 Coffee beans	0.05				(*)
VP	0526 Common bean (pods and/or immature seeds)	1				
SO	0691 Cotton seed	0.5				
OR	0691 Cotton seed oil, Edible	0.1				
VC	0424 Cucumber	0.5				

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FB	0021 Currants, Black, Red, White	2		CXL
FB	0266 Dewberries (including boysenberry and loganberry)	1		CXL
MO	0105 Edible offal (mammalian)	0.1	V	CXL
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) V	CXL
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

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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 bw (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		MRL (mg/kg)		Step	JMPR	CCPR	Note
Code	Name						
MM	0812 Cattle meat	0.05	V	CXL			
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	V	CXL			
ML	0106 Milks	0.01	(*) V	CXL			
FC	0004 Oranges, Sweet, Sour	0.5		CXL			
FS	0247 Peach	0.5		CXL			
MM	0818 Pig meat	0.05	V	CXL			
FP	0009 Pome fruits	0.5		CXL			
MM	0822 Sheep meat	0.1	V	CXL			
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.

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

126 OXAMYL

Main Uses 8 INSECTICIDE

JMPR 80, 83R, 84T, 85, 86R (02')

ADI 0.03 mg/kg body weight (1984)

RESIDUE Sum of oxamyl and 2-hydroxyimino-N,N-dimethyl-2- (methylthio)acetamide ("oxamyl oxime") expressed as oxamyl.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	2	CXL			
FI 0327	Banana	0.2	CXL			
VP 0061	Beans, except broad bean and soya bean	0.2	CXL			
VS 0624	Celery	5	CXL			
FC 0001	Citrus fruits	5	CXL			
SB 0716	Coffee beans	0.1	CXL			
SO 0691	Cotton seed	0.2	CXL			
VC 0424	Cucumber	2	CXL			
GC 0645	Maize	0.05 (*)	CXL			
VC 0046	Melons, except watermelon	2	CXL			
VA 0385	Onion, Bulb	0.05 (*)	CXL			
SO 0697	Peanut	0.1	CXL			
AL 0697	Peanut fodder	2	CXL			
VO 0445	Peppers, Sweet	2	CXL			
FI 0353	Pineapple	1	CXL			
VR 0075	Root and tuber vegetables	0.1	CXL			
VD 0541	Soya bean (dry)	0.1	CXL			
VC 0431	Squash, Summer	2	CXL			
GS 0659	Sugar cane	0.05 (*)	CXL			
VO 0448	Tomato	2	CXL			
VC 0432	Watermelon	2	CXL			

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).

Commodity Code	Commodity 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)	
VP	0526 Common bean (pods and/or immature seeds)	0.2	CXL		(1993)	
VC	0424 Cucumber	0.5	CXL		(1993)	
VO	0440 Egg plant	0.1 (*)	CXL		(1993)	
VC	0425 Gherkin	1	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)	
VC	0046 Melons, except watermelon	0.5	CXL		(1993)	
AO3	0001 Milk products	0.05 (*) V	CXL		(1993)	
ML	0106 Milks	0.05 (*) V	CXL		(1993)	
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).
VO	0445 Peppers, Sweet	0.5	CXL		(1993)	

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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).
FB	0275 Strawberry	0.5	CXL		(1993)	
VO	0448 Tomato	2	7C	91	26, 32	Not adopted at Step 8 by the CAC-20. The MRL was 'translated' from cyhexatin. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.245).

130 DIFLUBENZURON

Main Uses 8 INSECTICIDE

JMPR 81, 83R, 84, 85, 88R (01TR')

ADI 0.02 mg/kg body weight (1985)

RESIDUE Diflubenzuron.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FP 0226	Apple	1	CXL			
VB 0402	Brussels sprouts	1	CXL			
VB 0041	Cabbages, Head	1	CXL			
FC 0001	Citrus fruits	1	CXL			
SO 0691	Cotton seed	0.2	CXL			
MO 0105	Edible offal (mammalian)	0.05 (*)	CXL			
PE 0112	Eggs	0.05 (*)	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
ML 0106	Milks	0.05 (*)	CXL			
VO 0450	Mushrooms	0.1	CXL			
FP 0230	Pear	1	CXL			
FS 0014	Plums (including prunes)	1	CXL			
PM 0110	Poultry meat	0.05 (*)	CXL			
VD 0541	Soya bean (dry)	0.1	CXL			
VO 0448	Tomato	1	CXL			

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 bw (1998)

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

Note Previous ADI 0.001 mg/kg bw (1981; confirmed 1987).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VS	0620 Artichoke globe	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0400 Broccoli	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0402 Brussels sprouts	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0041 Cabbages, Head	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
VB	0404 Cauliflower	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
GC	0080 Cereal grains	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
FC	0001 Citrus fruits	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
PE	0112 Eggs	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
TN	0666 Hazelnuts	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
VL	0482 Lettuce, Head	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
VL	0483 Lettuce, Leaf	0.2	CXL	99		Withdrawal recommended (1999 JMPR)
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
ML	0106 Milks	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
PM	0110 Poultry meat	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
SO	0495 Rape seed	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
FB	0275 Strawberry	1	3	99		
VR	0596 Sugar beet	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
VO	0447 Sweet corn (corn-on-the-cob)	0.05 (*)	CXL	99		Withdrawal recommended (1999 JMPR)

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)	

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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)

RESIDUE Deltamethrin (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.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VS	0620 Artichoke globe	0.05	CXL			
FI	0327 Banana	0.05	CXL			
VD	0071 Beans (dry)	1	Po		(1991)	
VB	0040 Brassica vegetables	0.2	CXL			
VA	0036 Bulb vegetables, except fennel, bulb	0.1	CXL			
SB	0715 Cacao beans	0.05	CXL			
GC	0080 Cereal grains	1	Po			
SB	0716 Coffee beans	2	Po			
MO	0105 Edible offal (mammalian)	0.05	V		(1991)	
PE	0112 Eggs	0.01	(*)		(1991)	
VD	0561 Field pea (dry)	1	Po		(1991)	
FT	0297 Fig	0.01	(*)			
VO	0050 Fruiting vegetables other than cucurbits	0.2	CXL			Except mushrooms.
VC	0045 Fruiting vegetables, Cucurbits	0.2	CXL			
FB	0269 Grapes	0.05	CXL			
DH	1100 Hops, Dry	5	CXL			
FI	0341 Kiwifruit	0.05	CXL			
VL	0053 Leafy vegetables	0.5	CXL			
AL	0157 Legume animal feeds	0.5	dry wt			
VP	0060 Legume vegetables	0.1	CXL			
VD	0533 Lentil (dry)	1	Po		(1991)	

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FC	0003 Mandarins	0.05		CXL	
MM	0095 Meat (from mammals other than marine mammals)	0.5	(fat) V	CXL	(1993)
VC	0046 Melons, except watermelon	0.01	(*)	CXL	
ML	0106 Milks	0.02	F V	CXL	(1991)
VO	0450 Mushrooms	0.01	(*)	CXL	
SO	0088 Oilseed	0.1		CXL	
SO	0089 Oilseed, except peanut	0.1		CXL	(1991)
FT	0305 Olives	0.1		CXL	
FC	0004 Oranges, Sweet, Sour	0.05		CXL	
SO	0697 Peanut	0.01	(*)	CXL	(1991)
FI	0353 Pineapple	0.01	(*)	CXL	
FP	0009 Pome fruits	0.1		CXL	
PM	0110 Poultry meat	0.01	(*)	CXL	(1991)
PO	0111 Poultry, Edible offal of	0.01	(*)	CXL	(1991)
VR	0075 Root and tuber vegetables	0.01		CXL	
FS	0012 Stone fruits	0.05		CXL	
AS	0081 Straw and fodder (dry) of cereal grains	0.5		CXL	
FB	0275 Strawberry	0.05		CXL	
DT	1114 Tea, Green, Black	10		CXL	
FT	0312 Tree tomato	0.02		CXL	(1995)
CM	0654 Wheat bran, Unprocessed	5	PoP	CXL	(1995)
CF	1211 Wheat flour	0.2	PoP	CXL	(1995)
CF	1212 Wheat wholemeal	1	PoP	CXL	(1995)

136 PROCYMIDONE

Main Uses 5 FUNGICIDE

JMPR 81R, 82T, 89, 90R, 93R, 98R

ADI 0.1 mg/kg body weight (1989)

RESIDUE Procymidone.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VB	0041 Cabbages, Head	2	5/8	98	32	
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	5/8	98	32	
VP	0529 Garden pea, Shelled	1	5/8	98	32	
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	5/8	98	32	
FP	0230 Pear	1	5/8	98	32	
VO	0051 Peppers	5	CXL		(1995)	
FS	0014 Plums (including prunes)	2	5/8	98	32	
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 products, unconjugated bendiocarb; Animal products, sum of conjugated/unconjugated bendiocarb, 2,2-dimethyl-1,3-benzodioxol-4-ol/N-hydroxymethyl bendiocarb expressed as bendiocarb.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VR	0574 Beetroot	0.05 (*)	CXL		(1991)	
MF	0812 Cattle fat	0.05 (*) V	CXL			
MO	1280 Cattle kidney	0.2 (*) V	CXL			
MM	0812 Cattle meat	0.05 (*) V	CXL			
MO	0812 Cattle, Edible offal of	0.05 (*) V	CXL			Except kidney.
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 (*) V	CXL			
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

ADI 0.03 mg/kg body weight (1982)

RESIDUE Metalaxyl.

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			

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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)

RESIDUE Sum of prochloraz 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 (02R')

ADI 0.001 mg/kg body weight (1993)

RESIDUE Triazophos.

Note Scheduled for Periodic Review (residues) by the 2002 JMPR.

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'

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

AcuteRfD Unnecessary (1998)

RESIDUE Bitertanol (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FS	0240 Apricot	1	CXL	99	(1993)	Withdrawal recommended (1999 JMPR)
FI	0327 Banana	0.5	CXL			Confirmed (1999 JMPR)
GC	0640 Barley	0.05 (*)	3	99		
AS	0640 Barley straw and fodder, Dry	0.05 (*)	3	99		
AL	1030 Bean forage (green)	10	CXL	99	(1991)	Withdrawal recommended (1999 JMPR)
FS	0013 Cherries	2	CXL		(1991)	
FS	0013 Cherries	1	3(a)	99		
VP	0526 Common bean (pods and/or immature seeds)	0.5	CXL	99	(1991)	Withdrawal recommended (1999 JMPR)
VC	0424 Cucumber	0.5	CXL		(1991)	Confirmed (1999 JMPR)
MO	0105 Edible offal (mammalian)	0.05 (*)	3	99		
PE	0112 Eggs	0.01 (*)	3	99		
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*) (fat)	3	99		
ML	0106 Milks	0.05 (*)	3	99		
FS	0245 Nectarine	1	CXL		(1993)	Confirmed (1999 JMPR)
AF	0647 Oat forage (green)	0.1 (*)	CXL			
AF	0647 Oat forage (green)	0.05 (*) dry wt.	3(a)	99		
AS	0647 Oat straw and fodder, Dry	0.1 (*)	CXL			
AS	0647 Oat straw and fodder, Dry	0.05 (*)	3(a)	99		
GC	0647 Oats	0.1 (*)	CXL			
GC	0647 Oats	0.05 (*)	3(a)	99		
FS	0247 Peach	1	CXL		(1993)	Confirmed (1999 JMPR)
SO	0697 Peanut	0.1 (*)	CXL	99		Withdrawal recommended (1999 JMPR)
AL	1270 Peanut forage (green)	20	CXL	99	(1991)	Withdrawal recommended (1999 JMPR)
FS	0014 Plums (including prunes)	2	CXL		(1991)	Confirmed (1999 JMPR)
FP	0009 Pome fruits	2	CXL		(1991)	Confirmed (1999 JMPR)

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PM	0110 Poultry meat	0.01	(*)		3	99
PO	0111 Poultry, Edible offal of	0.01	(*)		3	99
GC	0650 Rye	0.1	(*)		CXL	
GC	0650 Rye	0.05	(*)		3(a)	99
AF	0650 Rye forage (green)	0.1	(*)	fresh wt	CXL	
AF	0650 Rye forage (green)	0.05	(*)	dry wt	3(a)	99
AS	0650 Rye straw and fodder, Dry	0.1	(*)		CXL	
AS	0650 Rye straw and fodder, Dry	0.05	(*)		3(a)	99
VO	0448 Tomato	3			3	99
GC	0653 Triticale	0.05	(*)		3	99
AS	0653 Triticale straw and fodder, Dry	0.05	(*)		3	99
GC	0654 Wheat	0.1	(*)		CXL	
GC	0654 Wheat	0.05	(*)		3(a)	99
AS	0654 Wheat straw and fodder, Dry	0.1	(*)		CXL	
AS	0654 Wheat straw and fodder, Dry	0.05	(*)		3(a)	99

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 uses of carbosulfan were solely on oranges and mandarins.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AB	0001 Citrus pulp, Dry	0.1	6	97	31, 32	
FC	0206 Mandarin	0.1	3	99		
FC	0004 Oranges, Sweet, Sour	0.1	6	97	31, 32	.

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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 0.1 mg/kg body weight (1987)

RESIDUE Methoprene (fat-soluble).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
ML	0812 Cattle milk	0.05	F V	CXL		
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) V	CXL	(1991)	
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 bw (1999)

RESIDUE Ethoprophos.

Note Previous ADI, 0.0003 mg/kg bw (1987).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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			

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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 bw (1999)

RESIDUE Dimethipin.

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

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 CCPR-32 noted that flucythrinate was no longer supported and the CCPR-32 would consider revocation of all CXLs (32.136)

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VS	0620 Artichoke globe	0.5	CXL			
GC	0640 Barley	0.2	CXL			
AS	0640 Barley straw and fodder, Dry	5	CXL			
VD	0071 Beans (dry)	0.05 (*)	CXL			
VB	0041 Cabbages, Head	0.5	CXL		(1991)	
SB	0716 Coffee beans	0.05 (*)	CXL			
SO	0691 Cotton seed	0.1	CXL			
OC	0691 Cotton seed oil, Crude	0.2	CXL			
OR	0691 Cotton seed oil, Edible	0.2	CXL			
VD	0561 Field pea (dry)	0.05 (*)	CXL			
VB	0042 Flowerhead brassicas	0.2	CXL			
FB	0269 Grapes	1	CXL			
DH	1100 Hops, Dry	10	CXL			
AS	0647 Oat straw and fodder, Dry	5	CXL			
GC	0647 Oats	0.2	CXL			
FS	0247 Peach	0.5	CXL			
FP	0009 Pome fruits	0.5	CXL			
VR	0589 Potato	0.05 (*)	CXL			
VR	0591 Radish, Japanese	0.05 (*)	CXL			
SO	0495 Rape seed	0.05 (*)	CXL			
VR	0596 Sugar beet	0.05 (*)	CXL			
AV	0596 Sugar beet leaves or tops	2	CXL			
VO	1275 Sweet corn (kernels)	0.05 (*)	CXL			
DT	1114 Tea, Green, Black	20	CXL			
VO	0448 Tomato	0.2	CXL			
GC	0654 Wheat	0.2	CXL			

153 PYRAZOPHOS

Main Uses 5 FUNGICIDE

JMPR 85, 87R, 92, 93R

ADI 0.004 mg/kg body weight (1992)

RESIDUE Pyrazophos.

Note The CCPR-32 noted that pyrazophos was no longer supported in the EX and that the CXLs are based on the EC GAP. The CCPR-33 should consider revocation of all CXLs (32.137)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	1	CXL		(1997)	
GC	0640 Barley	0.05	CXL		(1995)	
AS	0640 Barley straw and fodder, Dry	5	CXL		(1995)	
VB	0402 Brussels sprouts	0.1	CXL		(1995)	
VR	0577 Carrot	0.2	CXL		(1995)	
VC	0424 Cucumber	0.1	CXL		(1995)	
DH	1100 Hops, Dry	10	CXL		(1997)	
VC	0046 Melons, except watermelon	0.1	CXL		(1997)	
FB	0275 Strawberry	0.2	CXL		(1997)	
GC	0654 Wheat	0.05	CXL		(1995)	
AS	0654 Wheat straw and fodder, Dry	5	CXL		(1995)	

154 THIODICARB

Main Uses 8 INSECTICIDE

JMPR 85, 86T, 87R, 88R, 00T' (01R')

ADI 0.03 mg/kg body weight (1986)

RESIDUE Sum of thiodicarb, methomyl and methyl hydroxythioacetimidate ("methomyl oxime"), expressed as thiodicarb.
See (94) methomyl.

Note The CCPR had decided on combined list for thiodicarb and methomyl.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
@@	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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 products, clofentezine; Animal products, sum of all compounds containing the 2-chlorobenzoyl moiety, expressed as clofentezine.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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-12 (2000) retained them at Step 7.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.5			(1995)	
ML	0812 Cattle milk	0.01	F V		(1995)	The CCPR-31 agreed to support the MRL for milk (0.04 mg/kg - whole milk basis), which was adopted at Step 5, for the sake of harmonization (31.96).
SO	0691 Cotton seed	0.05			(1995)	
GC	0645 Maize	0.05			(1995)	
VO	0445 Peppers, Sweet	0.2			(1995)	
SO	0495 Rape seed	0.05			(1995)	
VO	0448 Tomato	0.5			(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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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)	

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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)	

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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.

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

162 TOLYLFLUANID

Main Uses 5 FUNGICIDE

JMPR 88, 90R (02T')(03R')

ADI 0.1 mg/kg body weight (1988)

RESIDUE Tolyfluanid.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0021 Currants, Black, Red, White	5	CXL		(1991)	
VC	0425 Gherkin	2	CXL		(1991)	
VL	0482 Lettuce, Head	1	CXL		(1991)	
FP	0009 Pome fruits	5	CXL		(1991)	
FB	0275 Strawberry	3	CXL		(1991)	
VO	0448 Tomato	2	CXL		(1991)	

163 ANILAZINE

Main Uses 5 FUNGICIDE

JMPR 89, 92R

ADI 0.1 mg/kg body weight (1989)

RESIDUE Anilazine.

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

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

166 OXYDEMETON-METHYL

Main Uses 8 INSECTICIDE

JMPR 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.

The residue definition and MRLs are based on the use of oxydemeton-methyl only.

Note The Committee decided not to discuss the individual MRLs and to postpone the consideration of this compound until new data have been submitted and reviewed by the JMPR. (27.149).

The Committee further postponed discussion awaiting the 1998 JMPR Periodic Review of the compound and the related compound, (073) demeton-S-methyl (29.70).

No data were supplied to the 1998 JMPR for the use of demeton-S-methyl or demeton-S-methylsulphon. The residues will be the sum of oxydemeton-methyl and demeton-S-methylsulphon. Any inadvertent demeton-S-methyl would also be included.

The 31st CCPR requested the JMPR to clarify whether demeton-S-methyl and demeton-S-methylsulphon should remain in the residue definition (31.98).

The 1999 JMPR concluded that if demeton-S-methyl was no longer supported its residues should no longer contribute to the total demeton-S-methylsulphon. However, its exclusion from the defined residues could lead to difficulties in enforcement situations where the misuse of demeton-S-methyl might have occurred.

The CCPR-32 requested detailed information on support for oxydemeton-methyl. After an extensive exchange of view 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	Changed from 1 mg/kg O DS (1998 JMPR).
GC	0640 Barley	0.05 (*)	6	73, 84, 92, 98	32	Changed from 0.2 mg/kg O (1998 JMPR).
AS	0640 Barley straw and fodder, Dry	2	5	98	32	
VB	0041 Cabbages, Head	0.05 (*)	6	84, 92, 98	32	Changed from 1 mg/kg O (1998 JMPR).
MF	0812 Cattle fat	0.05 (*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
VD	0526 Common bean (dry)	0.1	5	98	32	
SO	0691 Cotton seed	0.05	6	73, 92, 98	32	Confirmed (1998 JMPR).
PE	0112 Eggs	0.05 (*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
FB	0269 Grapes	0.1	6	73, 84, 92, 98	32	Changed from 0.5 mg/kg O (1998 JMPR).
VL	0480 Kale	0.01 (*)	6	84, 92, 98	32	Changed from 0.05 mg/kg (1998 JMPR).
VB	0405 Kohlrabi	0.05	6	84, 92, 98	32	Changed from 0.01 mg/kg (*) O (1998 JMPR).
FC	0204 Lemon	0.2	6	73, 92, 98	32	Changed from 1 mg/kg O (1998 JMPR).
MM	0097 Meat of cattle, pigs & sheep	0.05 (*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
ML	0106 Milks	0.01 (*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
FC	0004 Oranges, Sweet, Sour	0.2	6	73, 92, 98	32	Changed from 0.5 mg/kg O (1998 JMPR).
FP	0230 Pear	0.05	6	73, 84, 92, 98	32	Changed from 0.5 mg/kg O DS (1998 JMPR).
MF	0818 Pig fat	0.05 (*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
VR	0589 Potato	0.05 (*)	6	73, 84, 92, 98	32	Changed from 0.2 mg/kg O (1998 JMPR).

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PF	0111 Poultry fats	0.05	(*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
PM	0110 Poultry meat	0.05	(*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
GC	0650 Rye	0.05	(*)	5	98	32	
AS	0650 Rye straw and fodder, Dry	2		5	98	32	
MF	0822 Sheep fat	0.05	(*)	6	73, 92, 98	32	Confirmed (1998 JMPR).
VR	0596 Sugar beet	0.05	(*)	6	73, 84, 92, 98	32	Confirmed (1998 JMPR).
AV	0596 Sugar beet leaves or tops	0.05	(*)	6	73, 79, 84, 92, 98	32	Changed from 0.5 mg/kg O (1998 JMPR).
GC	0654 Wheat	0.05	(*)	6	73, 84, 92, 98	32	Changed from 0.2 mg/kg O (1998 JMPR).
AS	0654 Wheat straw and fodder, Dry	2		5	98	32	

167 TERBUFOS

Main Uses 14 NEMATOCIDE

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.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	0.05	CXL		(1991)	
GC	0640 Barley	0.01 (*)	CXL		(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)	
FI	0327 Banana	0.2	TN	CXL	(1997)	
GC	0640 Barley	0.5	TF TN	CXL	(1995)	
AS	0640 Barley straw and fodder, Dry	5	TF TN	CXL	(1995)	
VD	0524 Chick-pea (dry)	0.05 (*)	TF	CXL	(1997)	
SB	0716 Coffee beans	0.1 (*)	TF TN	CXL	(1995)	
FB	0021 Currants, Black, Red, White	0.5	TF	CXL	(1997)	
PE	0112 Eggs	0.05 (*)	TF TN	CXL	(1995)	
AM	1051 Fodder beet	0.05 (*)	TF	CXL	(1997)	
AV	1051 Fodder beet leaves or tops	0.2	TF	CXL	(1997)	
VC	0045 Fruiting vegetables, Cucurbits	2	TF TN	CXL	(1997)	
FB	0269 Grapes	2	TF TN	CXL	(1995)	
DH	1100 Hops, Dry	5	TF	CXL	(1997)	
FI	0345 Mango	0.05 (*)	TF	CXL	(1997)	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	TF TN	CXL	(1995)	
ML	0106 Milks	0.01 (*)	TF TN	CXL	(1995)	
AS	0647 Oat straw and fodder, Dry	5	TF TN	CXL	(1997)	
GC	0647 Oats	0.2	TF TN	CXL	(1997)	
VA	0387 Onion, Welsh	0.05 (*)	TF TN	CXL	(1997)	
VP	0063 Peas (pods and succulent=immature seeds)	0.1	TF	CXL	(1997)	
VO	0445 Peppers, Sweet	0.1	TF	CXL	(1997)	
FI	0353 Pineapple	1 Po	TF	CXL	(1997)	
FP	0009 Pome fruits	0.5	TF TN	CXL	(1997)	

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PM	0110 Poultry meat	0.05	(*)	TF TN	CXL	(1995)
FB	0272 Raspberries, Red, Black	0.5		TF	CXL	(1997)
GC	0650 Rye	0.2		TF TN	CXL	(1995)
AS	0650 Rye straw and fodder, Dry	5		TF TN	CXL	(1995)
VA	0389 Spring onion	0.05	(*)	TF	CXL	(1997)
FB	0275 Strawberry	0.1		TF	CXL	(1997)
VR	0596 Sugar beet	0.1	(*)	TF TN	CXL	(1997)
AV	0596 Sugar beet leaves or tops	1		TF TN	CXL	(1997)
VO	0448 Tomato	0.5		TF	CXL	(1997)
GC	0654 Wheat	0.2		TF TN	CXL	(1995)
AS	0654 Wheat straw and fodder, Dry	5		TF TN	CXL	(1995)

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

170 HEXACONAZOLE

Main Uses 5 FUNGICIDE

JMPR 90, 93R

ADI 0.005 mg/kg body weight (1990)

RESIDUE Hexaconazole.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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.

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
VB	0402 Brussels sprouts	0.5	CXL		(1997)	
VB	0041 Cabbages, Head	1	CXL		(1997)	
VB	0404 Cauliflower	0.5	CXL		(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.1	CXL		(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		(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		(1995)	
OR	0541 Soya bean oil, Refined	0.05 (*)	CXL		(1995)	
VR	0596 Sugar beet	0.05 (*)	CXL		(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)

AcuteRfD Unnecessary (1999)

RESIDUE Plant materials; sum of bentazone, 6-hydroxybentazone and 8-hydroxybentazone expressed as bentazone. Animal materials; 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	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
AL	1021 Alfalfa forage (green)	2			(1997)	
GC	0640 Barley	0.1			(1997)	
VD	0071 Beans (dry)	0.05		(*)	(1997)	
VD	0523 Broad bean (dry)	0.05		(*)	(1997)	
VP	0526 Common bean (pods and/or immature seeds)	0.2			(1997)	
PE	0112 Eggs	0.05		(*)	(1997)	
VD	0561 Field pea (dry)	1			(1997)	
VP	0528 Garden pea (young pods)	0.2			(1995)	
VP	0534 Lima bean (young pods and/or immature beans)	0.05			(1995)	
SO	0693 Linseed	0.1			(1995)	
GC	0645 Maize	0.2			(1997)	
AS	0645 Maize fodder	0.2			(1997)	
MM	0095 Meat (from mammals other than marine mammals)	0.05		(*)	(1997)	
ML	0106 Milks	0.05		(*)	(1997)	
GC	0647 Oats	0.1			(1997)	
VA	0385 Onion, Bulb	0.1			(1995)	
SO	0697 Peanut	0.05			(1995)	
VR	0589 Potato	0.1			(1997)	
GC	0649 Rice	0.1			(1997)	
GC	0650 Rye	0.1			(1997)	
GC	0651 Sorghum	0.1			(1997)	

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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)

AcuteRfD Unnecessary (1999)

RESIDUE Buprofezin (fat-soluble).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
VC	0424 Cucumber	1	CXL		(1997)	
FC	0004 Oranges, Sweet, Sour	0.5	6	91, 95, 99		Changed from 0.3 mg/kg T (1999 JMPR).
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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)

AcuteRfD Unnecessary (1999)

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	5	98	32	Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)
VS	0621 Asparagus	0.05 (*)	CXL		(1997)	
FI	0030 Assorted tropical and sub-tropical fruits - inedible peel	0.05 (*)	5	98	32	Except banana. Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)
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 (*)	3	99		
PE	0112 Eggs	0.05 (*)	3	99		
FI	0341 Kiwifruit	0.05 (*)	CXL	98	(1997)	To be replaced by the MRL for assorted tropical and sub-tropical fruits - inedible peel (1998 JMPR).
GC	0645 Maize	0.1	CXL		(1997)	
AS	0645 Maize fodder	10 (*)	3	99		
AF	0645 Maize forage	0.2	CXL		(1997)	
AF	0645 Maize forage	5	3(a)	99		
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	3	99		

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ML	0106 Milks	0.02	(*)	3	99	
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	(*)	3	99	
PO	0111 Poultry, Edible offal of	0.1	(*)	3	99	
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		(1997)
VD	0541 Soya bean (dry)	2		3(a)	99	
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		5	98	32

Awaiting the follow-up of the discussion on the policy regarding the residue definitions for genetically modified crops (32.141)

176 HEXYTHIAZOX

Main Uses 1 ACARICIDE

JMPR 91, 94R, 98R

ADI 0.03 mg/kg body weight (1991)

RESIDUE Hexythiazox.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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	5/8	98	32	
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, 00

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

RESIDUE Sum of avermectin B1a, and 8,9-Z-avermectin B1a (JMPR 2000)

Note ADI increased from 0.0002 mg/kg bw (1995).

The CCPR-28 was informed that the limit of determination of 0.01 mg/kg might need to be increased to 0.02 mg/kg (28.77).

The CCPR-31 noted that for animal products the residue definitions were different between the CCPR and CCRVDF (31.99)

The CCRVDF-11 (1998) retained a number of MRLs arising from veterinary uses in cattle at Step 7 (residue definition: avermectin B1a) with the understanding that if no new toxicological data or information were received by the JMPR by the next session of the CCRVDF, it would consider their advancement to Step 8 (see CL 1999/29-PR for details). The CCRVDF-12 (2000) retained them at Step 7 as the 54th JECFA did not harmonize the residue definition with the one above.

The CCPR-32 decided to refer the question of the residue definition for animal products to the 2000 JMPR with a view towards removing avermectin B1b and 8,9-Z-avermectin B1b from the definition for the sake of harmonization. Awaiting the outcome of the 2000 JMPR regarding this question the CCPR-32 returned all draft MRLs for animal products to Step 6.

JMPR 2000 proposed to continue harmonize MRLs of JMPR and JECFA for abamectin in animal commodities.

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AM	0660 Almond hulls	0.1	8	97	31, 32	
TN	0660 Almonds	0.01 (*)	8	97	31, 32	
FP	0226 Apple	0.02	8	97	31, 32	
MF	0812 Cattle fat	0.1 V	6	97	31, 32	
MO	1280 Cattle kidney	0.05 V	6	97, 00	31, 32	Confirmed (JMPR 2000)
MO	1281 Cattle liver	0.1 V	6	97, 00	31, 32	Confirmed (JMPR 2000)
MM	0812 Cattle meat	0.01 (*)	6	92	26, 28, 31, 32	
ML	0812 Cattle milk	0.005	6	92	26, 28, 31, 32	
FC	0001 Citrus fruits	0.01 (*)	8	92	26, 28, 31, 32	
SO	0691 Cotton seed	0.01 (*)	8	92	26, 28, 31, 32	
VC	0424 Cucumber	0.01	8	92, 97	26, 28, 31, 32	Changed from 0.05 mg/kg (1997 JMPR).
MM	0814 Goat meat	0.01 (*)	6	92	26, 28, 31, 32	
ML	0814 Goat milk	0.005	6	92	26, 28, 31, 32	
MO	0814 Goat, Edible offal of	0.1	6	92	26, 28, 31, 32	
DH	1100 Hops, Dry	0.1	8	97	31, 32	
VL	0483 Lettuce, Leaf	0.05	8	97	31, 32	
VC	0046 Melons, except watermelon	0.01 (*)	8	97	31, 32	
FP	0230 Pear	0.02	8	92, 97	26, 28, 31, 32	Changed from 0.01mg/kg (*) (1997 JMPR).
VO	0445 Peppers, Sweet	0.02	8	92	26, 28, 31, 32	
VR	0589 Potato	0.01 (*)	8	97	31, 32	

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VC	0431 Squash, Summer	0.01	(*)	8	97	31, 32	
FB	0275 Strawberry	0.02		8	94	28, 31, 32	
VO	0448 Tomato	0.02		8	92, 97	26, 28, 31, 32	Confirmed (1997 JMPR)
TN	0678 Walnuts	0.01	(*)	8	97	31, 32	
VC	0432 Watermelon	0.01	(*)	8	97	31, 32	

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	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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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
FS	0240 Apricot	0.2	CXL-D		(1997) 32	Withdrawal recommended and replaced by the MRL for stone fruits except plums (1997 JMPR).
FI	0327 Banana	2	5/8	98	32	
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)	
FS	0013 Cherries	1	CXL-D		(1997) 32	Withdrawal recommended and should be replaced by the MRL for stone fruits except plums (1997 JMPR).
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	5/8	98	32	
FS	0247 Peach	0.5	CXL-D		(1997) 32	Withdrawal recommended and should be replaced by the MRL for stone fruits except plums (1997 JMPR).
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	8(a)	97	31, 32	Except plums
FB	0275 Strawberry	1	8	97	31, 32	
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0009 Pome fruits	1			(1997)	
VR	0589 Potato	0.01 (*)			(1995)	

185 FENPROPATHRIN

Main Uses 8 INSECTICIDE/ACARICIDE

JMPR 93

ADI 0.03 mg/kg body weight (1993)

RESIDUE Fenpropathrin (fat-soluble).

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

187 CLETHODIM

Main Uses 7 HERBICIDE

JMPR 94, 97R, 99TR

ADI 0.01 mg/kg body weight (1994)

AcuteRfD Unnecessary (1999)

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)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
AL	1020 Alfalfa fodder	10	6	97	31, 32	
AL	0061 Bean fodder	10	3	99		
AL	1030 Bean forage (green)	5	3	99		
VD	0071 Beans (dry)	2	6	94, 97, 99	28, 31	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.1 mg/kg (1994 JMPR)).
VP	0061 Beans, except broad bean and soya bean	0.5 (*)	6	97	31, 32	
MO	1280 Cattle kidney	0.2 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for edible offal (mammalian).
MO	1281 Cattle liver	0.2 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for edible offal (mammalian).
MM	0812 Cattle meat	0.5 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for meat (from mammalian).
ML	0812 Cattle milk	0.1 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL milks.
PE	0840 Chicken eggs	0.5 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for eggs.
PM	0840 Chicken meat	0.5 (*)	6	94, 97, 99	28, 31	Withdrawal recommended (1999 JMPR). To be replaced by a new MRL for poultry meat.
SO	0691 Cotton seed	0.5	6	94	28, 31, 32	
OC	0691 Cotton seed oil, Crude	0.5 (*)	6	94, 97	28, 31, 32	Changed from 0.1 mg/kg (1997 JMPR).
OR	0691 Cotton seed oil, Edible	0.5 (*)	6	94, 97	28, 31, 32	Changed from 0.05 mg/kg (1997 JMPR).
MO	0105 Edible offal (mammalian)	0.2 (*)	3	99		
PE	0112 Eggs	0.05 (*)	3	99		

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VD	0561 Field pea (dry)	2		6	94, 97	28, 31, 32	Changed from 0.1 mg/kg (1997 JMPR).
AM	1051 Fodder beet	0.1	(*)	6	97	31, 32	
VA	0381 Garlic	0.5		6	97	31, 32	
MM	0095 Meat (from mammals other than marine mammals)	0.2	(*)	3	99		
ML	0106 Milks	0.05	(*)	3	99		
VA	0385 Onion, Bulb	0.5		6	97	31, 32	
SO	0697 Peanut	5		6	97	31, 32	
VR	0589 Potato	0.5		6	94, 99	28, 31	Changed from 0.2 mg/kg (1999 JMPR).
PM	0110 Poultry meat	0.2	(*)	3	99		
PO	0111 Poultry, Edible offal of	0.2	(*)	3	99		
SO	0495 Rape seed	0.5		6	94	28, 31, 32	
OC	0495 Rape seed oil, Crude	0.5	(*)	6	94, 97	28, 31, 32	Changed from 0.05 mg/kg (1997 JMPR).
OR	0495 Rapeseed oil, Edible	0.5	(*)	6	94, 97	28, 31, 32	Changed from 0.05 mg/kg (1997 JMPR).
VD	0541 Soya bean (dry)	10		6	94	28, 31, 32	
OC	0541 Soya bean oil, Crude	1		6	94	28, 31, 32	
OR	0541 Soya bean oil, Refined	0.5	(*)	6	94, 97	28, 31, 32	Changed from 0.1 mg/kg (1997 JMPR).
VR	0596 Sugar beet	0.1		6	94, 97	28, 31, 32	Changed from 0.2 mg/kg (1997 JMPR).
SO	0702 Sunflower seed	0.5		6	94, 97, 99	28, 31	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.2 mg/kg (1994 JMPR)).
OC	0702 Sunflower seed oil, Crude	0.1	(*)	6	94, 97, 99	28, 31	Withdrawal recommended (1997 JMPR). The 1999 JMPR proposed a new MRL (previously 0.05 mg/kg (1994 JMPR)).
OR	0702 Sunflower seed oil, Edible	0.05		6	94, 97	28, 31, 32	Withdrawal recommended (1997 JMPR)
VO	0448 Tomato	1		6	97	31, 32	

188 FENPROPIMORPH

Main Uses 5 FUNGICIDE

JMPR 94T, 95R, 99R

ADI 0.003 mg/kg body weight (1994)

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

Note The 1999 JMPR changed the residue definition for animal products.

The CCPR-29 noted that animal transfer studies were being developed (29.76).

The CCPR-29 noted that animal transfer studies would be available to the 1999 JMPR. It postponed discussions pending evaluation by the 1999 JMPR (30.80).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	2	3	99		
GC	0640 Barley	0.5	6	95		
AS	0640 Barley straw and fodder, Dry	5	6	95		
PE	0112 Eggs	0.01 (*)	3	99		
AV	1051 Fodder beet leaves or tops	1	6	95		
MO	0098 Kidney of cattle, goats, pigs & sheep	0.05	3	99		
MO	0099 Liver of cattle, goats, pigs & sheep	0.3	3	99		
MF	0100 Mammalian fats (except milk fats)	0.01	3	99		
MM	0095 Meat (from mammals other than marine mammals)	0.02	3	99		
ML	0106 Milks	0.01	3	99		
AS	0647 Oat straw and fodder, Dry	5	6	95		
GC	0647 Oats	0.5	6	95		
PF	0111 Poultry fats	0.01 (*)	3	99		
PM	0110 Poultry meat	0.01 (*)	3	99		
PO	0111 Poultry, Edible offal of	0.01 (*)	3	99		
GC	0650 Rye	0.5	6	95		
AS	0650 Rye straw and fodder, Dry	5	6	95		
VR	0596 Sugar beet	0.05 (*)	6	95		
AV	0596 Sugar beet leaves or tops	1	6	95		
GC	0654 Wheat	0.5	6	95		
AS	0654 Wheat straw and fodder, Dry	5	6	95		

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	8	97	31, 32	
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	8	97	31, 32	
FB	0269 Grapes	2	8	94, 97	31, 32	
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	0.3	3	99		
MO	1280 Cattle kidney	0.01 (*)	3	99		
MO	1281 Cattle liver	0.01 (*)	3	99		
MM	0812 Cattle meat	0.02 (fat)	3	99		
ML	0812 Cattle milk	0.005 (*) F	3	99		
FB	0269 Grapes	1	3	99		
DH	1100 Hops, Dry	10	3	99		
FC	0004 Oranges, Sweet, Sour	0.2	3	99		

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 dairy 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)

Commodity Code	Commodity Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
FI	0327 Banana	0.05 (*)	8	96	30, 32	
PE	0840 Chicken eggs	0.01 (*)	6	96	30, 32	
PM	0840 Chicken meat	0.01 (*)	6	96	30, 32	
PO	0840 Chicken, Edible offal of	0.1	6	96	30, 32	
FC	0001 Citrus fruits	0.05 (*)	8	96	30, 32	
SO	0691 Cotton seed	0.2	6	96	30, 32	
OC	0691 Cotton seed oil, Crude	0.5	6	96	30, 32	
AM	1051 Fodder beet	0.3	6	96	30, 32	
FB	0269 Grapes	0.05 (*)	8	96	30, 32	
SO	0697 Peanut	0.05	6	96	30, 32	
VP	0063 Peas (pods and succulent=immature seeds)	0.2	6	96	30, 32	
FP	0009 Pome fruits	0.05 (*)	8	96	30, 32	
VR	0589 Potato	0.1	6	96	30, 32	
VD	0070 Pulses	0.2	6	96	30, 32	
SO	0495 Rape seed	2	6	96	30, 32	
OC	0495 Rape seed oil, Crude	5	6	96	30, 32	
OR	0495 Rapeseed oil, Edible	5	6	96	30, 32	
CM	1206 Rice bran, Unprocessed	0.02 (*)	6	96	30, 32	
CM	0649 Rice, Husked	0.02 (*)	6	96	30, 32	
CM	1205 Rice, Polished	0.02 (*)	6	96	30, 32	
OC	0541 Soya bean oil, Crude	0.2	6	96	30, 32	
OR	0541 Soya bean oil, Refined	0.2	6	96	30, 32	
VR	0596 Sugar beet	0.3	6	96	30, 32	

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SO 0702 Sunflower seed	0.2	6	96	30, 32
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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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
MM	0812 Cattle meat	0.2 (fat) V	CXL		(1999)	On carcass fat basis.
ML	0812 Cattle milk	0.05 F V	CXL		(1999)	

196 TEBUFENOZIDE

Main Uses 8 INSECTICIDE

JMPR 96, 97R, 99R

ADI 0.02 mg/kg body weight (1996)

RESIDUE Tebufenozide (fat-soluble).

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FB	0269 Grapes	1	6	96, 99	30, 31	Information on GAP was provided to the JMPR (31.103). Changed from 0.5 mg/kg (1999 JMPR)
FI	0341 Kiwifruit	0.5	CXL		(1999)	
FP	0009 Pome fruits	1	CXL		(1999)	Confirmed (1999 JMPR)
CM	0649 Rice, Husked	0.1	CXL		(1999)	
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		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
FS	0240 Apricot	0.5	8	97	31, 32	
FI	0327 Banana	0.05	CXL		(1999)	
GC	0640 Barley	0.2	8	97	31, 32	
AS	0640 Barley straw and fodder, Dry	3	8	97	31, 32	
MF	0812 Cattle fat	0.05 (*)	8	97	31, 32	
MO	1280 Cattle kidney	0.05 (*)	8	97	31, 32	
MO	1281 Cattle liver	0.05	8	97	31, 32	
MM	0812 Cattle meat	0.05 (*)	8	97	31, 32	
ML	0812 Cattle milk	0.05 (*)	8	97	31, 32	
FS	0013 Cherries	1	CXL		(1999)	
VC	0424 Cucumber	0.2	CXL		(1999)	
PE	0112 Eggs	0.05 (*)	8	97	31, 32	
FB	0269 Grapes	1	CXL		(1999)	
VC	0046 Melons, except watermelon	0.2	CXL		(1999)	
FS	0247 Peach	0.5	8	97	31, 32	
TN	0672 Pecan	0.05 (*)	CXL		(1999)	
FP	0009 Pome fruits	0.1	CXL		(1999)	
PF	0111 Poultry fats	0.05 (*)	8	97	31, 32	
PM	0110 Poultry meat	0.05 (*)	8	97	31, 32	
PO	0111 Poultry, Edible offal of	0.05 (*)	8	97	31, 32	
SO	0495 Rape seed	0.05 (*)	8	97	31, 32	
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 At the CCPR-31 several delegations expressed their reservations regarding establishing MRLs for a metabolite residue resulting from the treatment of a genetically-modified commodity with glyphosate. The CCPR-31 agreed that a short paper (CX/PR 00/8) should be prepared on the feasibility of establishing MRLs for genetically modified crops and metabolite residues for consideration at the 32nd CCPR (31.105) The CCPR-32 noted that the GAP upon which the 1997 JMPR based its recommendation for maize, maize fodder and maize forage had been changed and that AMPA was now a very minor portion of the residue for the new variety of genetically-modified maize. (32.149)

Commodity		MRL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
GC	0645 Maize	2	6	97	31, 32	
AS	0645 Maize fodder	5	6	97	31, 32	
AF	0645 Maize forage	2	6	97	31, 32	

199 KRESOXIM-METHYL

Main Uses 5 FUNGICIDE

JMPR 98 (01R)

ADI 0.4 mg/kg body weight (1998)

AcuteRfD Unnecessary (1998)

RESIDUE Plant products, kresoxim-methyl; animal products, 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	5	98	32	
VC	0424 Cucumber	0.05 (*)	5/8	98	32	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2	5/8	98	32	
MO	0105 Edible offal (mammalian)	0.05 (*)	5	98	32	
FB	0269 Grapes	1	5/8	98	32	
MF	0100 Mammalian fats (except milk fats)	0.05 (*)	5	98	32	
MM	0095 Meat (from mammals other than marine mammals)	0.05 (*)	5	98	32	
ML	0106 Milks	0.01 (*)	5	98	32	
FP	0009 Pome fruits	0.2	5	98	32	
PM	0110 Poultry meat	0.05 (*)	5	98	32	
GC	0650 Rye	0.05 (*)	5/8	98	32	
AS	0081 Straw and fodder (dry) of cereal grains	5	5/8	98	32	
GC	0654 Wheat	0.05 (*)	5/8	98	32	

200 PYRIPROXIFEN

Main Uses 8 INSECTICIDE

JMPR 99

ADI 0.1 mg/kg body weight (1999)

AcuteRfD Unnecessary (1999)

RESIDUE Pyriproxifen (fat-soluble).

Commodity Code	Name	MRL (mg/kg)	Step	JMPR	CCPR	Note
[MC 1691	[Cotton gin trash]	5	3	99		
MM 0812	Cattle meat	0.01 (*) (fat)	3	99		
MO 0812	Cattle, Edible offal of	0.01 (*)	3	99		
FC 0001	Citrus fruits	1	3	99		
SO 0691	Cotton seed	0.05	3	99		
OC 0691	Cotton seed oil, Crude	0.01	3	99		
OR 0691	Cotton seed oil, Edible	0.01	3	99		
MM 0814	Goat meat	0.01 (*) (fat)	3	99		
MO 0814	Goat, Edible offal of	0.01 (*)	3	99		

PART 2

**LIST OF EXTRANEEOUS RESIDUE LIMITS FOR PESTICIDES
IN FOOD AND ANIMAL FEEDS
(At Various Steps of the Codex Procedure)**

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 Sum of cis- and trans-chlordane, or, in the case of animal products, 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

21 DDT

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

PTDI 0.02 mg/kg body weight (1984; converted to PTDI in 1994)

AcuteRfD Unnecessary

RESIDUE Sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) (fat-soluble).

Commodity Code	Commodity 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			Confirmed (JMPR 2000)
MM	0095 Meat (from mammals other than marine mammals)	5 (fat)	6(a)	93, 96	28, 30, 31	1996 JMPR proposed a new full MRL which is at the same level as the CXL (previous proposal was at 1 mg/kg kept at Step 3)
ML	0106 Milks	0.02 F	CXL		(1997)	

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	Commodity 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 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		GL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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 least 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 least 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 least 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 least 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 least 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 least 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 iminocladine. However, now the ISO name guazatine applies to a reaction mixture. The proposals remain as guideline levels until a new ADI is recommended. Previous ADI 0.03 mg/kg bw (1978).

Commodity		GL (mg/kg)	Step	JMPR	CCPR	Note
Code	Name					
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)

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)

The 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 which 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

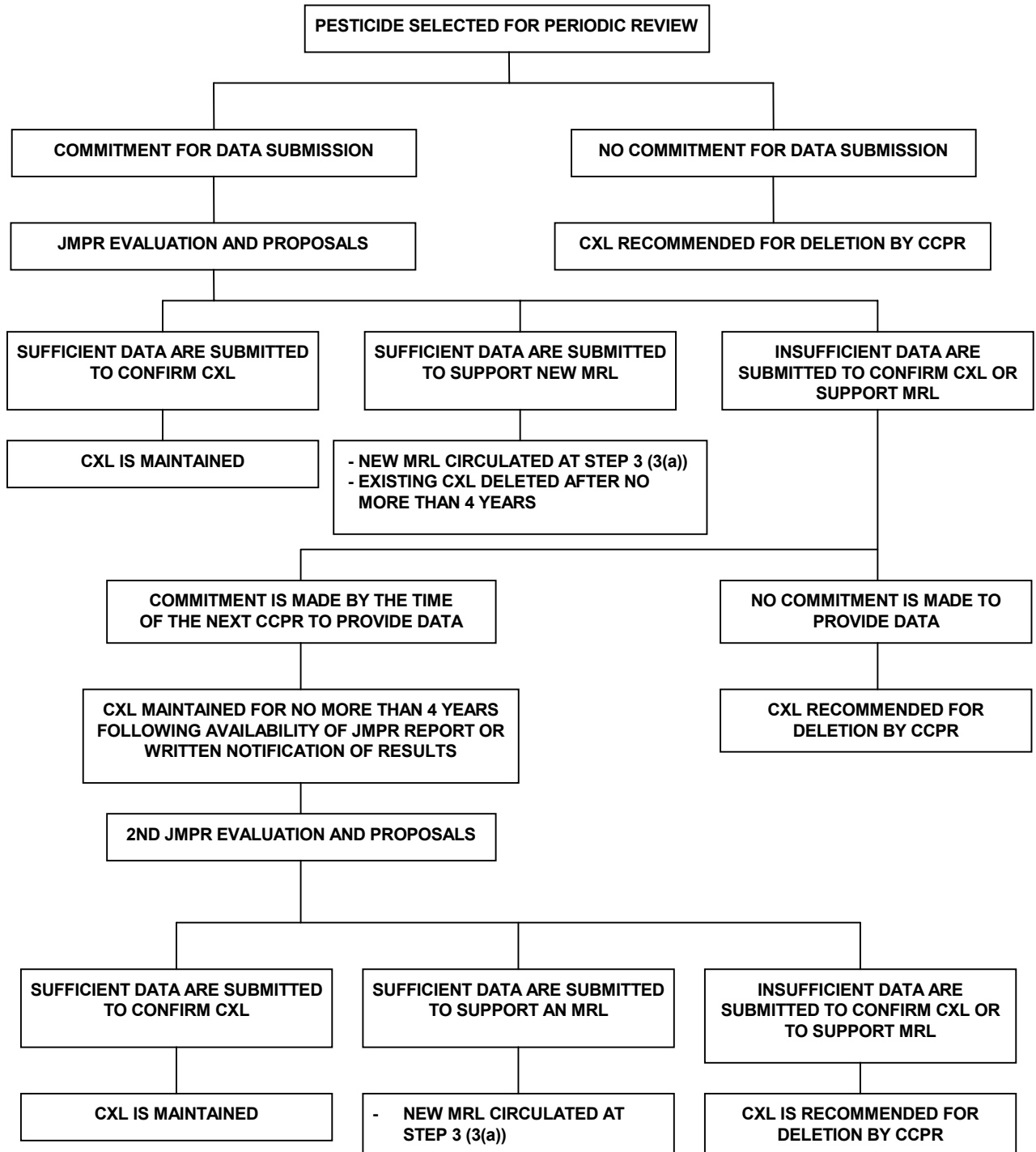
STATUS REPORT ON DATA COMMITMENTS AND CCPR FOLLOW-UP (Year 2, CCPR Meeting)

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 withdrawal 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 withdrawal by the next session of the Codex 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 by the next CCPR Meeting, provide to the FAO and 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



CURRENT STATUS OF MRL LISTS OF RELATED COMPOUNDS

Compounds (metabolite of other compound in italics)	Residue definition	<i>MRL list</i>	ADI	Notes
(67) <i>Cyhexatin</i> (129) Azocyclotin	Common	<i>Separate but identical lists</i>	Same value	
(133) Triadimefon (168) <i>Triadimenol</i>	Different	<i>Separate lists</i>	Different	(133), reference to (168). MRLs for triadimenol cover uses of triadimefon and triadimenol (indicated in the list).
(27) Dimethoate (42) Formothion (55) Omethoate	Different	<i>Separate lists</i>	Common for (27) & (55) expressed as dimethoate	(27), reference to (55); (42), no MRL/ADI, reference to (27) and (55). Formothione & omethoate no longer supported.
(69) Benomyl (72) <i>Carbendazim</i> (77) Thiophanate methyl	Common	<i>Separate lists</i>	Different	(69), no MRL, reference to (72); (72), list showing sources; (77), will be deleted when MRLs for (72) reach Step 8.
(95) Acephate (100) <i>Methamidophos</i>	Different	<i>Separate lists</i>	Different	
(96) <i>Carbofuran</i> (145) Carbosulfan	Different	<i>Separate lists</i>	Different	
(94) <i>Methomyl</i> (154) Thiodicarb	Different	<i>Combined list (94)</i>	Same value	source indicated.
(73) Demeton-S-methyl (164) Demeton-S-methylsulphon (166) Oxydemeton-methyl	Common	<i>Combined list (166)</i>	Common	source indicated. Demeton-S-methylsulphon no longer supported.
(50) Mancozeb (105) Dithiocarbamates (186) Metiram	Common	<i>Combined list (105)</i>	2 Group ADIs and another for propineb	sources indicated.
(158) Glyphosate (198) <i>Aminimethylphosphonic acid</i> (AMPA)	Different	<i>Separate lists</i>	Common	(198), only MRLs for maize.