

# codex alimentarius commission



FOOD AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS

WORLD  
HEALTH  
ORGANIZATION



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**Agenda Item 7**

**CX/PR 04/5  
March 2004**

## **JOINT FAO/WHO FOOD STANDARDS PROGRAMME**

### **CODEX COMMITTEE ON PESTICIDE RESIDUES**

**Thirty-sixth Session**

**New Delhi, India, 19 - 24 April 2004**

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

This document contains the following:

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- Table 1 List of Pesticides Whose Maximum Residue Limits or Guidelines Levels Have Been Withdrawn by the Codex Alimentarius Commission and for Which No MRLs Have Been Proposed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

## EXPLANATORY NOTES

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

ADIs/PTDIs/Acute RfD The Year of estimation or confirmation is shown in parentheses.

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

### 2. QUALIFICATION OF MRLs

- (\*) (following MRLs) : At or about the limit of determination.
- E (following MRLs) : The MRL based on extraneous residues.
- EMRL** (as heading) : Extraneous Maximum Residue Limit.
- F (following MRLs for milk) : The residue is fat soluble and MRLs for milk and milk products are derived as explained in the introductions to Volume 2 of the *Codex Alimentarius*.
- (fat) (following MRLs for meat) : The MRL applies to the fat of the meat.
- GL** (as heading) : Guideline Level. GLs are elaborated by the CCPR up to Step 4 of the Procedure and held there pending "acceptable daily intakes" or "temporary acceptable intakes" being estimated for the pesticides in question by the JMPR. **GLs do not represent Codex recommendations.**
- Po** (following (T)MRLs) : The MRL accommodates post-harvest treatment of the commodity.
- PoP** (following (T)MRLs for processed foods (Classes D and E in the Classification)) : The MRL accommodates post-harvest treatment of the primary food commodity.
- T** (following MRL) : The MRL is temporary, irrespective of the status of the ADI, until required information has been provided and evaluated.
- TMRL** (as heading) : All MRLs are temporary because the ADI is temporary.

### 3. STEP NUMBERS

- CXL-D** : The CCPR decided to recommend to the Codex Alimentarius Commission to delete the CXL, pending decision by the Commission.
- 5/8** : The draft MRL is submitted to the CAC simultaneously at Steps 5 and 8 because the CCPR has recommended the omission of, or has already carried out, Steps 6 and 7.
- 7A** : The draft MRL is held at Step 7 only because the ADI is temporary. It will be submitted to the CAC at Step 8 as soon as a full ADI is estimated.
- 7B** : The draft MRL is held at Step 7 pending further consideration by the JMPR. After such consideration it will be returned to Step 6 for comments by Governments.
- 7C** : The draft MRL is held at Step 7 to await developments (other than review by the JMPR) upon which further action by the Committee is contingent. After such developments it will be returned to Step 6.
- (a) : The MRL is a proposed amendment to a CXL.  
(following Step number)

### 4. REFERENCES

References are normally given only for those MRLs which are due for further discussion within the CCPR. They are therefore given only exceptionally for MRLs which are CXLs or are at Step 8, 7A, or 5/8. References are indicated in the example shown below:

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

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

## 5. JMPR EVALUATIONS

T : Toxicological Evaluation

R : Residue Evaluation

only year : Both toxicological and residue evaluations

' after year : Periodic Review

## 6. REPORTS OF CCPR SESSIONS

Session No.	Year	Document Reference No.	Session No.	Year	Document Reference No.
1	1966	ALINORM 66/24	18	1986	ALINORM 87/24
2	1967	ALINORM 68/24	19	1987	ALINORM 87/24A
3	1968	ALINORM 69/24	20	1988	ALINORM 89/24
4	1969	ALINORM 70/24	21	1989	ALINORM 89/24A
5	1970	ALINORM 71/24	22	1990	ALINORM 91/24
6	1972	ALINORM 72/24A	23	1991	ALINORM 91/24A
7	1974	ALINORM 74/24	24	1992	ALINORM 93/24
8	1975	ALINORM 76/24	25	1993	ALINORM 93/24A
9	1977	ALINORM 78/24	26	1994	ALINORM 95/24
10	1978	ALINORM 79/24	27	1995	ALINORM 95/24A
11	1979	ALINORM 79/24A	28	1996	ALINORM 97/24
12	1980	ALINORM 81/24	29	1997	ALINORM 97/24A
13	1981	ALINORM 83/24	30	1998	ALINORM 99/24
14	1982	ALINORM 83/24A	31	1999	ALINORM 99/24A
15	1983	ALINORM 85/24	32	2000	ALINORM 01/24
16	1984	ALINORM 85/24A	33	2001	ALINORM 01/24A
17	1985	ALINORM 85/24B	34	2002	ALINORM 03/24
			35	2003	ALINORM 03/26A

## 6. CLASSIFICATION OF USES

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

## INDEX OF PESTICIDES IN ALPHABETICAL ORDER

177	ABAMECTIN	157	CYFLUTHRIN	188	FENPROPIMORPH
95	ACEPHATE	146	CYHALOTHRIN	193	FENPROXYMATE
117	ALDICARB	67	CYHEXATIN	38	FENSULFOTHION*
1	ALDRIN AND DIELDRIN**	118	CYPERMETHRIN	39	FENTHION
134	AMINOCARB*	207	CYPRODINIL	40	FENTIN
122	AMITRAZ	169	CYROMAZINE	119	FENVALERATE
79	AMITROLE*	104	DAMINOZIDE*	202	FIPRONIL
163	ANILAZINE	20	2,4-D	152	FLUCYTHRINATE
68	AZINPHOS-ETHYL*	21	DDT**	165	FLUSILAZOLE
2	AZINPHOS-METHYL	135	DELTAMETHRIN	205	FLUTOLANIL
129	AZOCYCLOTIN	92	DEMETON*	41	FOLPET
155	BENALAXYL	73	DEMETON-S-METHYL	42	FORMOTHION*
137	BENDIOCARB	164	DEMETON-S-METHYLSULPHON	175	GLUFOSINATE-AMMONIUM
69	BENOMYL	98	DIALIFOS*	158	GLYPHOSATE
172	BENTAZONE	22	DIAZINON	114	GUAZATINE
178	BIFENTHRIN	23	1,2-DIBROMOETHANE*	194	HALOXYFOP
3	BINAPACRYL*	82	DICHOFLUANID	43	HEPTACHLOR**
93	BIORESMETHRIN	24	1,2-DICHLOROETHANE*	44	HEXACHLOROBENZENE*
144	BITERTANOL	25	DICHLORVOS	170	HEXACONAZOLE
47	BROMIDE ION	83	DICLORAN	176	HEXYTHIAZOX
4	BROMOPHOS*	26	DICOFOL	45	HYDROGEN CYANIDE*
5	BROMOPHOS-ETHYL*	130	DIFLUBENZURON	46	HYDROGEN PHOSPHIDE
70	BROMOPROPYLATE	151	DIMETHIPIN	110	IMAZALIL
173	BUPROFEZIN	27	DIMETHOATE	206	IMIDACLOPRIDE
139	BUTOCARBOXIM*	87	DINOCAP*	111	IPRODIONE
174	CADUSAFOS	28	DIOXATHION*	131	ISOFENPHOS
71	CAMPHECHLOR*	29	DIPHENYL*	88	LEPTOPHOS*
6	CAPTAFOL*	30	DIPHENYLAMINE	48	LINDANE
7	CAPTAN	31	DIQUAT	49	MALATHION
8	CARBARYL	74	DISULFOTON	102	MALEIC HYDRAZIDE
72	CARBENDAZIM	180	DITHIANON	50	MANCOZEB
96	CARBOFURAN	105	DITHIOCARBAMATES	124	MECARBAM
9	CARBON DISULPHIDE*	84	DODINE	138	METALAXYL
10	CARBON TETRACHLORIDE*	99	EDIFENPHOS*	125	METHACRIFOS
11	CARBOPHENOTHION*	32	ENDOSULFAN	100	METHAMIDOPHOS
145	CARBOSULFAN*	33	ENDRIN**	51	METHIDATHION
97	CARTAP	204	ESFENVALERATE	132	METHIOCARB
80	CHINOMETHIONAT	106	ETHEPHON	94	METHOMYL
12	CHLORDANE**	107	ETHIOFENCARB*	147	METHOPRENE
13	CHLORDIMEFORM*	34	ETHION	209	METHOXYFENOZIDE
14	CHLORFENVINPHOS	149	ETHOPROPHOS	52	METHYL BROMIDE***
15	CHLORMEQUAT	35	ETHOXYQUIN	186	METIRAM
16	CHLOROBENZILATE*	108	ETHYLENE THIOUREA (ETU)*	53	MEVINPHOS
81	CHLOROTHALONIL	184	ETOFENPROX	54	MONOCROTOPHOS
201	CHLORPROPHAM	123	ETRIMFOS	181	MYCLOBUTANIL
17	CHLORPYRIFOS	208	FAMOXADONE	140	NITROFEN*
90	CHLORPYRIFOS-METHYL	85	FENAMIPHOS	55	OMETHOATE
187	CLETHODIM	192	FENARIMOL	126	OXAMYL
156	CLOFENTEZINE	109	FENBUTATIN OXIDE	166	OXYDEMETON-METHYL
18	COUMAPHOS*	36	FENCHLORPHOS*	161	PACLOBUTRAZOL
19	CRUFOMATE*	37	FENITROTHION	57	PARAQUAT
91	CYANOFENPHOS*	185	FENPROPATHRIN	58	PARATHION
179	CYCLOXYDIM			59	PARATHION-METHYL

182	PENCONAZOLE
120	PERMETHRIN
127	PHENOTHRIN
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	PROCYMIDONE
171	PROFENOFOS
148	PROPAMOCARB
113	PROPARGITE
183	PROPHAM
160	PROPICONAZOLE
75	PROPOXUR
150	PROPYLENE THIOUREA (PTU)***
153	PYRAZOPHOS
63	PYRETHRINS
64	QUINTOZENE
89	SEC-BUTYLAMINE*
203	SPINOZAD
121	2,4,5-T*
189	TEBUCONAZOLE
115	TECNAZENE
190	TEFLUBENZURON
167	TERBUFOS
65	THIABENDAZOLE
154	THIODICARB
76	THIOMETON
77	THIOPHANATE-METHYL
191	TOLCLOFOS-METHYL
162	TOLYLFLUANID
133	TRIADIMEFON
168	TRIADIMENOL
143	TRIAZOPHOS
66	TRICHLORFON
116	TRIFORINE
78	VAMIDOTHION
159	VINCLOZOLIN

**Note:**

\*, See Table 1;

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

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

Otherwise see Part A.1 (MRLs).

## INDEX OF PESTICIDES IN CODE ORDER

1	ALDRIN AND DIELDRIN**	52	METHYL BROMIDE***	104	DAMINOZIDE*
2	AZINPHOS-METHYL	53	MEVINPHOS	105	DITHIOCARBAMATES
3	BINAPACRYL*	54	MONOCROTOPHOS	106	ETHEPHON
4	BROMOPHOS*	55	OMETHOATE	107	ETHIOFENCARB*
5	BROMOPHOS-ETHYL*	56	2-PHENYLPHENOL	108	ETHYLENE THIOUREA (ETU)*
6	CAPTAFOL*	57	PARAQUAT	109	FENBUTATIN OXIDE
7	CAPTAN	58	PARATHION	110	IMAZALIL
8	CARBARYL	59	PARATHION-METHYL	111	IPRODIONE
9	CARBON DISULPHIDE*	60	PHOSALONE	112	PHORATE
10	CARBON TETRACHLORIDE*	61	PHOSPHAMIDON	113	PROPARGITE
11	CARBOPHENOTHION*	62	PIPERONYL BUTOXIDE	114	GUAZATINE
12	CHLORDANE**	63	PYRETHRINS	115	TECNAZENE
13	CHLORDIMEFORM*	64	QUINTOZENE	116	TRIFORINE
14	CHLORFENVINPHOS	65	THIABENDAZOLE	117	ALDICARB
15	CHLORMEQUAT	66	TRICHLORFON	118	CYPERMETHRIN
16	CHLOROBENZILATE*	67	CYHEXATIN	119	FENVALERATE
17	CHLORPYRIFOS	68	AZINPHOS-ETHYL*	120	PERMETHRIN
18	COUMAPHOS*	69	BENOMYL	121	2,4,5-T*
19	CRUFOMATE*	70	BROMOPROPYLATE	122	AMITRAZ
20	2,4-D	71	CAMPHECHLOR*	123	ETRIMFOS
21	DDT**	72	CARBENDAZIM	124	MECARBAM
22	DIAZINON	73	DEMETON-S-METHYL	125	METHACRIFOS
23	1,2-DIBROMOETHANE*	74	DISULFOTON	126	OXAMYL
24	1,2-DICHLOROETHANE*	75	PROPOXUR	127	PHENOTHRIN
25	DICHLORVOS	76	THIOMETON	128	PHENTHOATE
26	DICOFOL	77	THIOPHANATE-METHYL	129	AZOCYCLOTIN
27	DIMETHOATE	78	VAMIDOTHION	130	DIFLUBENZURON
28	DIOXATHION*	79	AMITROLE*	131	ISOFENPHOS
29	DIPHENYL*	80	CHINOMETHIONAT	132	METHIOCARB
30	DIPHENYLAMINE	81	CHLOROTHALONIL	133	TRIADIMEFON
31	DIQUAT	82	DICHOFLUANID	134	AMINOCARB*
32	ENDOSULFAN	83	DICLORAN	135	DELTAMETHRIN
33	ENDRIN**	84	DODINE	136	PROCYMIDONE
34	ETHION	85	FENAMIPHOS	137	BENDIOCARB
35	ETHOXYQUIN	86	PIRIMIPHOS-METHYL	138	METALAXYL
36	FENCHLORPHOS*	87	DINOCAP*	139	BUTOCARBOXIM*
37	FENITROTHION	88	LEPTOPHOS*	140	NITROFEN*
38	FENSULFOTHION*	89	SEC-BUTYLAMINE*	141	PHOXIM
39	FENTHION	90	CHLORPYRIFOS-METHYL	142	PROCHLORAZ
40	FENTIN	91	CYANOFENPHOS*	143	TRIAZOPHOS
41	FOLPET	92	DEMETON*	144	BITERTANOL
42	FORMOTHION*	93	BIORESMETHRIN	145	CARBOSULFAN*
43	HEPTACHLOR**	94	METHOMYL	146	CYHALOTHRIN
44	HEXACHLOROBENZENE*	95	ACEPHATE	147	METHOPRENE
45	HYDROGEN CYANIDE*	96	CARBOFURAN	148	PROPAMOCARB
46	HYDROGEN PHOSPHIDE	97	CARTAP	149	ETHOPROPHOS
47	BROMIDE ION	98	DIALIFOS*	150	PROPYLENE THIOUREA (PTU)***
48	LINDANE	99	EDIFENPHOS*	151	DIMETHIPIN
49	MALATHION	100	METHAMIDOPHOS	152	FLUCYTHRINATE
50	MANCOZEB	101	PIRIMICARB	153	PYRAZOPHOS
51	METHIDATHION	102	MALEIC HYDRAZIDE		
		103	PHOSMET		

154	THIODICARB	181	MYCLOBUTANIL
155	BENALAXYL	182	PENCONAZOLE
156	CLOFENTEZINE	183	PROPHAM*
157	CYFLUTHRIN	184	ETOFENPROX
158	GLYPHOSATE	185	FENPROPATHRIN
159	VINCLOZOLIN	186	METIRAM
160	PROPICONAZOLE	187	CLETHODIM
161	PACLOBUTRAZOL	188	FENPROPIMORPH
162	TOLYLFLUANID	189	TEBUCONAZOLE
163	ANILAZINE	190	TEFLUBENZURON
164	DEMETON-S- METHYLSULPHON	191	TOLCLOFOS-METHYL
165	FLUSILAZOLE	192	FENARIMOL
166	OXYDEMETON-METHYL	193	FENPYROXIMATE
167	TERBUFOS	194	HALOXYFOP
168	TRIADIMENOL	195	FLUMETHRIN
169	CYROMAZINE	196	TEBUFENOZIDE
170	HEXACONAZOLE	197	FENBUCONAZOLE
171	PROFENOFOS	198	AMINOMETHYL PHOPHONIC ACID (AMPA)
172	BENTAZONE	199	KRESOXIM-METHYL
173	BUPROFEZIN	200	PYRIPROXIFEN
174	CADUSAFOS	201	CHLOROPROPHAM
175	GLUFOSINATE- AMMONIUM	202	FIPRONIL
176	HEXYTHIAZOX	203	SPINOZAD
177	ABAMECTIN	204	ESFENVALERATE
178	BIFENTHRIN	205	FLUTOLANIL
179	CYCLOXYDIM	206	IMIDACLOPRID
180	DITHIANON	207	CYPRODINIL
		208	FAMOXADONE
		209	METHOXYFENOZIDE

Note:

\*, See Table 1;

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

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

Otherwise see Part A.1 (MRLs).



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

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

**PART A.1**

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

**(At Various Steps of the Codex Procedure)**

**- Part.A1 -**

Part 1 - 1

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

**- Part.A1 -**

Part 1 - 2

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

**- Part.A1 -**

Part 1 - 3

**7 Captan**

Main Uses 5 Fungicide

JMPR 63,65T,69,73T,74R,77,78,80R,82T,84,86R,87R,90,94R,95T,97R, 00R'

ADI 0.1 mg/kg body weight (1984; confirmed 1990, 1995)

RESIDUE Captan.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
TN 0660	Almonds	0.3		CXL	00	34	
FP 0226	Apple	25	T	CXL			
FP 0226	Apple	20		6(a)	94, 97, 00	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
FB 0020	Blueberries	20		CXL			
FS 0013	Cherries	25		6	94, 97, 00	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
VC 0424	Cucumber	3		5	00	35	CCPR 35: Await 2004 JMPR toxocological evaluation.
DF 0269	Dried grapes (=currants, raisins and sultanas)	50		6	97	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
FB 0269	Grapes	25		6	94, 97	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
VC 0046	Melons, except watermelon	10		5	00	35	CCPR 35: Await 2004 JMPR toxocological evaluation.
FS 0245	Nectarine	3		6	94, 00	32	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
FS 0247	Peach	15		CXL			
FS 0247	Peach	20		5	00	35	CCPR 35: Await 2004 JMPR toxocological evaluation.
FP 0230	Pear	25	T	CXL			
FS 0014	Plums (including prunes)	10		6(a)	94	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
FP 0009	Pome fruits	15	Po	5	00		
VR 0589	Potato	0.05		CXL	00	34	
FB 0272	Raspberries, Red, Black	20		5	00	35	CCPR 35: Await 2004 JMPR toxocological evaluation.
FB 0275	Strawberry	20	T	CXL			
FB 0275	Strawberry	15		6(a)	94, 97, 00	32, 35	Returned to current Step. CCPR 35: Await 2004 JMPR toxocological evaluation.
VO 0448	Tomato	15	T	CXL			

**- Part.A1 -**

Part 1 - 4

VO 0448 Tomato

5

6(a) 94, 00 32, 35

Returned to current Step. CCPR 35: Await 2004 JMPR  
toxocological evaluation.

**- Part.A1 -**

Part 1 - 5

**8 Carbaryl**

Main Uses 8 Insecticide

JMPR 65T, 66, 67, 68R, 69, 70R, 73, 75R, 76R, 77R, 79R, 84R, 96T', 00T, 01T, 02R'

ADI 0.008 mg/kg body weight (2001)

AcuteRfD 0.2 mg/kg body weight (2001)

RESIDUE Carbaryl.

Note Previous ADI, 0.003 mg/kg bw (1996).

The CCPR-32 decided to retain all temporary CXLs awaiting the toxicological evaluation by the 2000 JMPR and the residue evaluation by the 2001 JMPR (32.86)

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
	[Rice hulls]	50		6	02	35	
	[Sorghum forage (dry)]	50		5	02	35	
	[Soya bean hulls]	0.3		5	02	35	
	[Sunflower forage]	5		5	02	35	
	[Sweet corn cannery waste]	7.4		5	02	35	
	[Tomato paste]	10		5	02	35	
AL 1021	Alfalfa forage (green)	100	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AM 0660	Almond hulls	50		5	02	35	
FP 0226	Apple	5	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FS 0240	Apricot	10	T	CXL		32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
VS 0621	Asparagus	10	T	CXL		32	1999-2003
VS 0621	Asparagus	15		5	02	35	
FI 0327	Banana	5	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
GC 0640	Barley	5	Po T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AL 1030	Bean forage (green)	100	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR 0574	Beetroot	2	T	CXL		32	1999-2003
VR 0574	Beetroot	0.1		5	02	35	
FB 0264	Blackberries	10	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FB 0020	Blueberries	7	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VB 0041	Cabbages, Head	5	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR 0577	Carrot	2	T	CXL		32	1999-2003

**- Part.A1 -**

Part 1 - 6

VR	0577	Carrot	0.5		5	02	35	
MM	0812	Cattle meat	0.2	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FS	0013	Cherries	10	T	CXL		32	1999-2003
FS	0013	Cherries	20		5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC	0001	Citrus fruits	7	T	CXL		32	1999-2003
FC	0001	Citrus fruits	15		5	02	35	
JF	0001	Citrus juice	0.5		5	02	35	
AB	0001	Citrus pulp, Dry	4		5	02	35	
AL	1023	Clover	100	T fresh wt	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VP	0526	Common bean (pods and/or immature seeds)	5	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0691	Cotton seed	1	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VD	0527	Cowpea (dry)	1	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0265	Cranberry	7	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VC	0424	Cucumber	3	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0266	Dewberries (including boysenberry and loganberry)	10	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
DF	0269	Dried grapes (=currants, raisins and sultanas)	50		5	02	35	
VO	0440	Egg plant	5	T	CXL		32	1999-2003
VO	0440	Egg plant	1		5	02	35	
PE	0112	Eggs	0.5	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
MM	0814	Goat meat	0.2	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
JF	0269	Grape juice	30		5	02	35	
AB	0269	Grape pomace, Dry	80		5	02	35	
FB	0269	Grapes	5	T	CXL		32	1999-2003
FB	0269	Grapes	40		5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
AS	0162	Hay or fodder (dry) of grasses	100	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)



**- Part.A1 -**

Part 1 - 7

MO	0098	Kidney of cattle, goats, pigs & sheep	3			5	02	35	
FI	0341	Kiwifruit	10		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VL	0053	Leafy vegetables	10		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
MO	0099	Liver of cattle, goats, pigs & sheep	1			5	02	35	
GC	0645	Maize	0.02	(*)		5	02	35	
AS	0645	Maize fodder	250			5	02	35	
AF	0645	Maize forage	100		T fresh wt	CXL		32	1999-2003
AF	0645	Maize forage	400		dry wt	5	02	35	
OC	0645	Maize oil, Crude	0.1			5	02	35	
MM	0095	Meat (from mammals other than marine mammals)	0.05			5	02	35	
VC	0046	Melons, except watermelon	3		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AO3	0001	Milk products	0.1	(*)	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
ML	0106	Milks	0.1	(*)	T	CXL		32	1999-2003
ML	0106	Milks	0.05			5	02	35	
FS	0245	Nectarine	10		T	CXL		32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
AO5	1900	Nuts (whole in shell)	10		T	CXL	02	32	1999-2003; Except peanut, whole and tree nuts. Withdrawal recommended (2002 JMPR)
GC	0647	Oats	5		Po T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0442	Okra	10		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
OC	0305	Olive oil, Virgin	25			5	02	35	
FT	0305	Olives	10		T	CXL		32	1999-2003
FT	0305	Olives	30			5	02	35	
DM	0305	Olives, Processed	1		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0588	Parsnip	2		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AL	0528	Pea vines (green)	100		T fresh wt	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FS	0247	Peach	10		T	CXL		32	1999-2003 To be replaced by the MRL for stone fruits (2002 JMPR)
AL	0697	Peanut fodder	100		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0703	Peanut, Whole	2		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)

**- Part.A1 -**

Part 1 - 8

FP	0230	Pear	5		T	CXL	02	32, 35	1999-2003 Withdrawal recommended (2002 JMPR). Retain pending evaluation of Australian data for fruits-CCPR 35.
VP	0063	Peas (pods and succulent=immature seeds)	5		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0051	Peppers	5		T	CXL		32	1999-2003 To be replaced by the MRL for peppers, sweet (2002 JMPR)
VO	0445	Peppers, Sweet	5			5	02	35	
FS	0014	Plums (including prunes)	10		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0589	Potato	0.2		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
PM	0110	Poultry meat	0.5		T	CXL	02	32	1999-2003; The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR)
PO	0113	Poultry skin	5		T	CXL	02	32	1999-2003; The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR)
VC	0429	Pumpkins	3		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0494	Radish	2		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FB	0272	Raspberries, Red, Black	10		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
GC	0649	Rice	5	Po	T	CXL		32	1999-2003
GC	0649	Rice	50			5	02	35	CCPR 35: consider deletion of draft MRL because rice is traded in the form of polished or husked rice, and there is MRL proposed for polished rice.
CM	1206	Rice bran, Unprocessed	170			5	02	35	
AS	0649	Rice straw and fodder, Dry	120			5	02	35	
CM	0649	Rice, Husked	5	PoP	T	CXL		32	1999-2003 To be replaced by the MRL for rice, polished (2002 JMPR)
CM	1205	Rice, Polished	1			6	02	35	
GC	0650	Rye	5	Po	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
MM	0822	Sheep meat	0.2		T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
GC	0651	Sorghum	10	Po	T	CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AF	0651	Sorghum forage (green)	100		T fresh wt	CXL		32	1999-2003
AF	0651	Sorghum forage (green)	20			5	02	35	
VD	0541	Soya bean (dry)	1		T	CXL		32	1999-2003
VD	0541	Soya bean (dry)	0.2			5	02	35	
AL	0541	Soya bean fodder	15			5	02	35	
AL	1265	Soya bean forage (green)	100		T fresh wt	CXL		32	1999-2003
AL	1265	Soya bean forage (green)	30		dry wt	5	02	35	

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Part 1 - 9

OC	0541	Soya bean oil, Crude	0.2			5	02	35	
VC	0431	Squash, Summer	3	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
FS	0012	Stone fruits	10			5	02	35	Except cherries. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FB	0275	Strawberry	7	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VR	0596	Sugar beet	0.2	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
AV	0596	Sugar beet leaves or tops	100	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
SO	0702	Sunflower seed	0.2			5	02	35	
OC	0702	Sunflower seed oil, Crude	0.05			5	02	35	
VR	0497	Swede	2	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.1			5	02	35	
VO	1275	Sweet corn (kernels)	1	T		CXL		32	1999-2003
VR	0508	Sweet potato	0.02	(*)		5	02	35	
VO	0448	Tomato	5	T		CXL		32	1999-2003
VO	0448	Tomato	5			5	02	35	
JF	0448	Tomato juice	3			5	02	35	
TN	0085	Tree nuts	1	T		CXL		32	1999-2003
TN	0085	Tree nuts	1			5	02	35	
VR	0506	Turnip, Garden	1			5	02	35	
GC	0654	Wheat	5	Po T		CXL		32	1999-2003
GC	0654	Wheat	2			5	02	35	
CM	0654	Wheat bran, Unprocessed	20	PoP T		CXL		32	1999-2003
CM	0654	Wheat bran, Unprocessed	2			5	02	35	
CF	1211	Wheat flour	0.2	PoP T		CXL		32	1999-2003
CF	1211	Wheat flour	0.2			5	02	35	
CF	1210	Wheat germ	1			5	02	35	
AS	0654	Wheat straw and fodder, Dry30				5	02	35	
CF	1212	Wheat wholemeal	2	PoP T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)
VC	0433	Winter squash	3	T		CXL	02	32	1999-2003 Withdrawal recommended (2002 JMPR)

**- Part.A1 -**

Part 1 - 10

**15 Chlormequat**

Main Uses 16 Plant Growth Regulator

JMPR 70, 72, 76R, 85R, 94', 97T, 99T, 00R

ADI 0.05 mg/kg body weight (1997)

AcuteRfD 0.05 mg/kg body weight (1999)

RESIDUE Chlormequat cation (usually used as the chloride).

Note The 1994 JMPR made new proposals for MRLs despite the withdrawal of the previous ADI. As the 1997 JMPR allocated a new full ADI, these proposals have been considered as MRLs.

The availability of residue data on pear and cereals was confirmed. Two 28-day feeding studies on rat and dog were available for evaluation by the 2000 JMPR (31.44).

The CAC-32 returned all draft MRLs to Step 6 pending evaluation of new data including feeding studies by the 2000 JMPR (32.88)

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
GC 0640	Barley	2		CXL	94, 00	34	
SO 0691	Cotton seed	0.5		CXL	94	34	
PE 0112	Eggs	0.1		CXL	00	34	
MM 0814	Goat meat	0.2		CXL	00	34	
MO 0098	Kidney of cattle, goats, pigs & sheep	0.5		CXL	00	34	
MO 0099	Liver of cattle, goats, pigs & sheep	0.1		CXL	00	34	
AS 0645	Maize fodder	7	dry wt	CXL	00	34	
AF 0645	Maize forage	15	dry wt	CXL	00	34	
MM 0097	Meat of cattle, pigs &	0.2		CXL	00	34	
ML 0107	Milk of cattle, goats & sheep	0.5		CXL	00	34	
AF 0647	Oat forage (green)	100	dry wt	CXL	94, 00	34	
GC 0647	Oats	10		CXL	00		Confirmed (1994 & 2000 JMPR)
PM 0110	Poultry meat	0.04	(*)	CXL	00	34	
PO 0111	Poultry, Edible offal of	0.1		CXL	00	34	
SO 0495	Rape seed	5		CXL	94	34	
OC 0495	Rape seed oil, Crude	0.1	(*)	CXL	94	34	
CM 0650	Rye bran, Unprocessed	10		CXL	94, 00	35	
CF 1250	Rye flour	3		CXL	00	35	
AF 0650	Rye forage (green)	100	dry wt	CXL	94, 00	34	

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Part 1 - 11

CF	1251	Rye wholemeal	4		CXL	94	34
AS	0081	Straw and fodder (dry) of cereal grains	30	dry wt	CXL	00	35
GC	0653	Triticale	3		CXL	00	35
GC	0654	Wheat	3		CXL	94,00	35
CM	0654	Wheat bran, Unprocessed	10		CXL	94,00	35
CF	1211	Wheat flour	2		CXL	94,00	35
CF	1212	Wheat wholemeal	5		CXL	94,00	35

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Part 1 - 12

**17 Chlorpyrifos**

Main Uses 8 Insecticide

JMPR 72, 74R, 75R, 77, 81R, 82, 83R, 95R, 99T, 00R'

ADI 0.01 mg/kg body weight (1982; confirmed 1999)

AcuteRfD 0.1 mg/kg body weight (1999)

RESIDUE Chlorpyrifos (fat-soluble).

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	5	CXL	00	35	
AL 1021	Alfalfa forage (green)	20	CXL	00	35	
TN 0660	Almonds	0.05	CXL	00	35	
FP 0226	Apple	1	CXL		35	
FI 0327	Banana	2	CXL	00	35	
VB 0400	Broccoli	2	CXL	00	35	
VB 0041	Cabbages, Head	1	CXL	00	35	
VR 0577	Carrot	0.1	CXL	00	35	
MO 1280	Cattle kidney	0.01	CXL	00	35	
MO 1281	Cattle liver	0.01	CXL	00	35	
MM 0812	Cattle meat (fat)	1	CXL	00	35	
VB 0404	Cauliflower	0.05	CXL	00	35	
PM 0840	Chicken meat (fat)	0.01	CXL	00		
VL 0467	Chinese cabbage (type pe-tsai)	1	CXL			Confirmed (2000 JMPR)
FC 0001	Citrus fruits	1	CXL			Confirmed (2000 JMPR)
SB 0716	Coffee beans	0.05	CXL	00	35	
VP 0526	Common bean (pods and/or immature seeds)	0.01	CXL	00	35	
SO 0691	Cotton seed (*)	0.05	CXL	00		Retained as part of 4-year periodic review
OC 0691	Cotton seed oil, Crude (*)	0.05	CXL			Retained as part of 4-year periodic review
DF 0269	Dried grapes (=currants, raisins and sultanas)	0.1	CXL	00	35	
PE 0112	Eggs (*)	0.01	CXL	00	35	

**- Part.A1 -**

Part 1 - 13

FB	0269	Grapes	0.5		CXL	00	35
GC	0645	Maize	0.05		CXL	00	35
AS	0645	Maize fodder	10		CXL	00	35
AF	0645	Maize forage	20		CXL	00	35
OR	0645	Maize oil, Edible	0.2		CXL	00	35
ML	0107	Milk of cattle, goats & sheep	0.02		CXL	00	35
VA	0385	Onion, Bulb	0.2		CXL	00	35
AL	0528	Pea vines (green)	1		CXL	00	35
FS	0247	Peach	0.5		CXL	00	35
FP	0230	Pear	1		CXL	00	
VP	0063	Peas (pods and succulent=immature seeds)	0.01		CXL	00	35
TN	0672	Pecan	0.05	(*)	CXL	00	35
VO	0445	Peppers, Sweet	2		CXL	00	35
MM	0818	Pig meat	0.02	(fat)	CXL	00	35
MO	0818	Pig, Edible offal of	0.01	(*)	CXL	00	35
FS	0014	Plums (including prunes)	0.5		CXL	00	35
FP	0009	Pome fruits	1		CXL	00	35
PM	0110	Poultry meat	0.01	(fat)	CXL	00	35
PO	0111	Poultry, Edible offal of	0.01	(*)	CXL	00	35
GC	0649	Rice	0.1		CXL	00	
MM	0822	Sheep meat	1	(fat)	CXL	00	35
MO	0822	Sheep, Edible offal of	0.01		CXL	00	35
GC	0651	Sorghum	0.5		CXL	00	35
AS	0651	Sorghum straw and fodder, Dry	2		CXL	00	35
FB	0275	Strawberry	0.3		CXL	00	35
VR	0596	Sugar beet	0.05		CXL	00	35
AV	0596	Sugar beet leaves or tops	40		CXL	00	35
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	00	35
VO	0448	Tomato	0.5		CXL		
TN	0678	Walnuts	0.05	(*)	CXL	00	35

Withdrawal recommended (2000 JMPR)

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Part 1 - 14

GC	0654	Wheat	0.5
CF	1211	Wheat flour	0.1
AS	0654	Wheat straw and fodder, Dry5	

CXL	00	35
CXL	00	35
CXL	00	35



**- Part.A1 -**

Part 1 - 15

**20 2,4-D**

Main Uses 7 Herbicide

JMPR 70, 71, 74, 75, 80R, 85R, 86R, 96T, 98R, 01R

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

RESIDUE 2,4-D.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FB 0018	Berries and other small	0.1		CXL	98	34	
FC 0001	Citrus fruits	2		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure as several delegations preferred this to the MRLs for individual citrus fruits recommended by the 1998 JMPR and additional trial data would be available to JMPR (32.89)
FC 0001	Citrus fruits	1	Po	5	01	35	
MO 0105	Edible offal (mammalian)	5		CXL	98	34	
PE 0112	Eggs	0.01	(*)	CXL			
AS 0162	Hay or fodder (dry) of grasses	400		CXL	98	34	
GC 0645	Maize	0.05		CXL			
AS 0645	Maize fodder	40		CXL			
AF 0645	Maize forage	10		CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.2		CXL	98	34	
ML 0106	Milks	0.01		CXL	98	34	
FP 0009	Pome fruits	0.01	(*)	CXL	98	34	
VR 0589	Potato	0.2		CXL			Confirmed (1998 JMPR)
PM 0110	Poultry meat	0.05	(*)	CXL	98	34	
PO 0111	Poultry, Edible offal of	0.05	(*)	CXL	98	34	
AS 0649	Rice straw and fodder, Dry	10		CXL			
CM 0649	Rice, Husked	0.1		CXL			
GC 0650	Rye	2		CXL			
GC 0651	Sorghum	0.01	(*)	CXL	98	34	
AF 0651	Sorghum forage (green)	0.2		CXL			

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Part 1 - 16

VD	0541	Soya bean (dry)	0.01	(*)	CXL	98	34
AL	0541	Soya bean fodder	0.01	(*)	CXL	98	34
AL	1265	Soya bean forage (green)	0.01	(*)	CXL	98	34
FS	0012	Stone fruits	0.05	(*)	CXL		
GS	0659	Sugar cane	0.05		CXL		
AV	0659	Sugar cane forage	0.2		CXL		
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL		
TN	0085	Tree nuts	0.2		CXL		
GC	0654	Wheat	2		CXL		
AS	0654	Wheat straw and fodder, Dry100			CXL		

**- Part.A1 -**

Part 1 - 17

**22 Diazinon**

Main Uses 8 Insecticide

JMPR 65T, 66T, 67R, 68, 70, 75R, 79R, 93', 94R, 96R, 99R, 01T

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

AcuteRfD 0.03 mg/kg body weight (2001)

RESIDUE Diazinon (fat-soluble).

Note The information provided to the 1999 JMPR precludes an estimate that the dietary intake would be below the ADI. DIE: 20-180% of the ADI.

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
AM 0660	Almond hulls	5	CXL			
TN 0660	Almonds	0.05	CXL			
FB 0264	Blackberries	0.1	CXL			
FB 4079	Boysenberry	0.1	CXL			
VB 0400	Broccoli	0.5	CXL			
VB 0041	Cabbages, Head	2	CXL			
VB 0041	Cabbages, Head	0.5	6(a)	99	33, 35	CCPR 35: awaiting new information from the USA and Australia on cabbages, head.
VC 4199	Cantaloupe	0.2	CXL			
VR 0577	Carrot	0.5	CXL			
FS 0013	Cherries	1	CXL			
PE 0840	Chicken eggs	0.02 (*)	CXL			
PM 0840	Chicken meat	0.02 (*)	CXL			
PO 0840	Chicken, Edible offal of	0.02 (*)	CXL			
VL 0467	Chinese cabbage (type pe-tsai)	0.05	CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.2	CXL			
VC 0424	Cucumber	0.1	CXL			
FB 0021	Currants, Black, Red, White	0.2	CXL			
VP 0529	Garden pea, Shelled	0.2	CXL			
MM 0814	Goat meat	2 (fat)	6	96, 99	33	The MRL accommodates external animal treatment. Confirmed (1999 JMPR)
DH 1100	Hops, Dry	0.5	CXL			

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

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

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Part 1 - 20

**25 Dichlorvos**

Main Uses 8 Insecticide

JMPR 65, 66, 67, 69R, 70, 74R, 77T, 93'

ADI 0.004 mg/kg body weight (confirmed 1977, 1993)

RESIDUE Dichlorvos.

Residues decline rapidly during storage and shipment. Codex MRLs are based on residues likely to be found at harvest or slaughter.

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

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**26 Dicofol**

Main Uses 1 Acaricide/Miticide

JMPR 68, 70R, 74R, 92', 94R

ADI 0.002 mg/kg body weight (1992)

RESIDUE Plant commodities: Dicofol (sum of o,p' & p,p' isomers) (fat-soluble).

Animal commodities: Sum of dicofol and 2,2-dichloro-1,1-bis(4-chlorophenyl)ethanol (p,p'-FW152) calculated as dicofol (fat-soluble).

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

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

CXL	35
CXL	
CXL	

CCPR 35: consider withdrawal at the 36th CCPR.



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Part 1 - 23

**27 Dimethoate**

Main Uses 8 Insecticide

JMPR 65T,66T,67,70R,73R,77R,78R,83R,84,86,87,88R,90R,94R,96T,98R, 03

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

AcuteRfD 0.02 mg/kg body weight (2003)

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	Commodity Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple	1		CXL			To be replaced by the MRL for pome fruits (1998 JMPR)
VS 0620	Artichoke, Globe	0.05		3	03		
VS 0621	Asparagus	0.05	(*)	CXL	98	34	
GC 0640	Barley	2		6	98	32	
VR 0574	Beetroot	0.2		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VB 0402	Brussels sprouts	2		CXL			
VB 0402	Brussels sprouts	1		6(a)	98	32	
VB 0402	Brussels sprouts	0.2		3	03		Previous JMPR recommendation: 1
VB 0403	Cabbage, Savoy	0.05	(*)	CXL	98	34	
VB 0041	Cabbages, Head	2		CXL			Except for cabbage, Savoy Confirmed (1998 JMPR).
VB 0041	Cabbages, Head	2		3	03		Except for cabbage, Savoy The information provided to the 2003 JMPR precludes an estimate that the dietary intake would be below the acute RfD for the general population.
MO 0812	Cattle, Edible offal of	0.05	(*)	CXL	98	34	
VB 0404	Cauliflower	0.5		6	98	32	
VB 0404	Cauliflower	0.2		3	03		Previous JMPR: 0.5
VS 0624	Celery	1		CXL	98	32	Withdrawal recommended (1998 JMPR); Retained for 4 years under the Periodic Review Procedure.
VS 0624	Celery	0.5		3	03		Previous JMPR: Withdrawal recommended
FS 0013	Cherries	2		CXL			Confirmed (1998 JMPR).

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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)
FC	0001	Citrus fruits	5		3	03		Previous JMPR: Withdrawal recommended
PE	0112	Eggs	0.05	(*)	CXL	98	34	
FB	0269	Grapes	1		CXL			
FB	0269	Grapes	2		6(a)	98	32	
VL	0482	Lettuce, Head	2		CXL			
VL	0482	Lettuce, Head	0.5		6(a)	98	32	
VL	0482	Lettuce, Head	3		3	03		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for the general population. Previous JMPR: 0.5
MF	0100	Mammalian fats (except milk fats)	0.05	(*)	CXL	98	34	
FI	0345	Mango	1 Po		3	03		
MM	0096	Meat of cattle, goats, horses, pigs & sheep	0.05	(*)	CXL	98	34	
ML	0107	Milk of cattle, goats & sheep	0.05	(*)	CXL	98	34	
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.
FT	0305	Olives	0.5		3	03		Previous JMPR: Withdrawal recommended
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	0.05	(*)	CXL	98	34	
FP	0230	Pear	1		CXL			To be replaced by the MRL for pome fruits (1998 JMPR)
VP	0063	Peas (pods and succulent=immature seeds)	0.5		CXL			
VP	0063	Peas (pods and succulent=immature seeds)	1		6(a)	98	32	
VO	0051	Peppers	1	Po	CXL	98		Retained for further review
VO	0445	Peppers, Sweet	5 Po		3	03		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. Previous JMPR: Withdrawal MRLs for peppers recommended

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FS	0014	Plums (including prunes)	0.5		CXL			
FS	0014	Plums (including prunes)	1		6(a)	98	32	
FP	0009	Pome fruits	0.5		6(a)	98	32	
VR	0589	Potato	0.05		CXL			Confirmed (1998 JMPR).
PF	0111	Poultry fats	0.05	(*)	CXL	98	34	
PM	0110	Poultry meat	0.05	(*)	CXL	98	34	
PO	0111	Poultry, Edible offal of	0.05	(*)	CXL	98	34	
MO	0822	Sheep, Edible offal of	0.05	(*)	CXL	98	34	
GC	0651	Sorghum	0.01	(*)	CXL	98	34	
VR	0596	Sugar beet	0.05		CXL			Confirmed (1998 JMPR).
AV	0596	Sugar beet leaves or tops	1		CXL			
AV	0596	Sugar beet leaves or tops	0.1		6(a)	98	32	
VO	0448	Tomato	1	Po	CXL			
VO	0448	Tomato	2		6(a)	98	32	
VL	0506	Turnip greens	1		6	98	32	
VR	0506	Turnip, Garden	0.5		CXL			
VR	0506	Turnip, Garden	0.1		6(a)	98	32	
GC	0654	Wheat	0.2		6	98	32	
GC	0654	Wheat	0.05		3	03		Previous JMPR: 0.2
AS	0654	Wheat straw and fodder, Dry10			6	98	32	
AS	0654	Wheat straw and fodder, Dry1			3	03		Previous JMPR: 10

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Part 1 - 26

**30 Diphenylamine**

Main Uses 21 Storage Scald Preventor  
 JMPR 69, 76, 79R, 82T, 84, 98T, 01R, 05R  
 ADI 0.08 mg/kg body weight (1998)

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

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	10 Po	CXL	01	35	
JF	0226 Apple juice	0.5 PoP	CXL	01	35	
MO	1280 Cattle kidney	0.01 (*)	CXL	01	35	
MO	1281 Cattle liver	0.05	CXL	01	35	
MM	0812 Cattle meat	0.01 (*) (fat)	CXL	01	35	
ML	0812 Cattle milk	0.0004 (*) F	5	01	35	Equivalent to 0.01 mg/kg (*) in the milkfat. CCPR 35 requested JMPR to clarify whether fortification was done in whole milk or milk fat in the recovery experiments.
FP	0230 Pear	5 Po	5	01	35	

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**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		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	100		CXL			
GC	0640 Barley	5		CXL			Confirmed (1994 JMPR)
VD	0071 Beans (dry)	0.2		CXL			
AL	1023 Clover	50		CXL			
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			
GC	0645 Maize	0.05	(*)	CXL			
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			
VD	0072 Peas (dry)	0.2		CXL			
VR	0589 Potato	0.05		CXL			
PM	0110 Poultry meat	0.05	(*)	CXL			
PO	0111 Poultry, Edible offal of	0.05	(*)	CXL			
SO	0495 Rape seed	2		CXL			Confirmed (1994 JMPR)
GC	0649 Rice	10		CXL			
CM	0649 Rice, Husked	1		CXL			
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			

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SO	0702	Sunflower seed	1		CXL			
OC	0172	Vegetable oils, Crude	0.05	(*)	CXL			
AO1	0002	Vegetables (except as otherwise listed)	0.05	(*)	CXL	94	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			
CF	1212	Wheat wholemeal	2		CXL			Confirmed (1994 JMPR)

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**32 Endosulfan**

Main Uses 8 Insecticide

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

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

AcuteRfD 0.02 mg/kg body weight (1998)

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

Note TMDI: 20-120% of the ADI

New field trials on broccoli were available in the USA (31.48). The following commodities would be supported: cacao bean, citrus fruits, coffee bean, cotton seed, wine and table grapes, hazelnut, melon (except watermelon), peach, pineapple, pome fruit, potato, soya bean, sugar beet, tea and tomato (31.49).

The CCPR-32 noted that, in addition to the above commodities, new residue trials data would be submitted for: broad bean (green pods and immature seeds), broccoli, cabbages, head, cabbage, Savoy, carrot, cauliflower, celery, cherries, cucumber, kale, meat (mammalian), milks, peppers, sweet, rice, squash, summer, and water melon. It maintained all CXLs awaiting the residue evaluation by the 2003 JMPR (32.93).

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
AL 1021	Alfalfa forage (green)	1	CXL			
VP 0522	Broad bean (green pods and immature seeds)	0.5	CXL	93	35	
VB 0400	Broccoli	0.5	CXL	89, 93	35	
VB 0403	Cabbage, Savoy	2	CXL	89, 93	35	
VB 0041	Cabbages, Head	1	CXL	89, 93	34	Except cabbage, Savoy
SB 0715	Cacao beans	0.1	CXL	93	35	
VR 0577	Carrot	0.2	CXL			
VB 0404	Cauliflower	0.5	CXL	89, 93	34	
VS 0624	Celery	2	CXL			
FS 0013	Cherries	1	CXL			
AL 1023	Clover	1	CXL			
SB 0716	Coffee beans	0.1	CXL	93	35	
VP 0526	Common bean (pods and/or immature seeds)	0.5	CXL			
SO 0691	Cotton seed	1	CXL			
OC 0691	Cotton seed oil, Crude	0.5	CXL			
VC 0424	Cucumber	0.5	CXL	93	35	
VP 0528	Garden pea (young pods)	0.5	CXL			

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FB	0269	Grapes	1		CXL	93	35
VL	0480	Kale	1		CXL		
VL	0482	Lettuce, Head	1		CXL		
VL	0483	Lettuce, Leaf	1		CXL		
GC	0645	Maize	0.1		CXL	93	35
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL		
VC	0046	Melons, except watermelon	0.5		CXL	93	35
ML	0106	Milks	0.004	F	CXL		
VA	0385	Onion, Bulb	0.2		CXL		
FC	0004	Oranges, Sweet, Sour	0.5		CXL	93	35
FS	0247	Peach	1		CXL	93	35
FI	0353	Pineapple	2	Po	CXL	93	35
FS	0014	Plums (including prunes)	1		CXL		
FP	0009	Pome fruits	1		CXL		
VR	0589	Potato	0.2		CXL		
SO	0495	Rape seed	0.5		CXL	93	35
GC	0649	Rice	0.1		CXL		
VD	0541	Soya bean (dry)	1		CXL	93	35
VL	0502	Spinach	2		CXL		
VC	0431	Squash, Summer	0.5		CXL	93	35
VR	0596	Sugar beet	0.1		CXL		
AV	0596	Sugar beet leaves or tops	1		CXL		
SO	0702	Sunflower seed	1		CXL	93	35
VR	0508	Sweet potato	0.2		CXL		
DT	1114	Tea, Green, Black	30		CXL		
VO	0448	Tomato	0.5		CXL	93	35
AL	1028	Trefoil	1		CXL		
GC	0654	Wheat	0.2		CXL	93	35



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Part 1 - 31

**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		MRL	Step	JMPR	CCPR	Note
Code	Name					
FC	0001 Citrus fruits	5	CXL		35	CCPR 35: consider deletion of CXL for citrus at the 36 CCPR as the use of ethion was no longer supported.

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Part 1 - 32

**35 Ethoxyquin**

Main Uses 22 Scald Control Agent

JMPR 69, 98T, 99R'

ADI 0.005 mg/kg body weight (1998)

RESIDUE Ethoxyquin.

Note Previous ADI 0.06 mg/kg bw (1969)

The CCPR was informed that the required toxicology data would be available by 2004 (33.91). The delegations of France and Spain informed the CCPR that they have uses on apples and pears as post harvest treatment (33.92).

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FP 0230	Pear	3	Po	CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting toxicity studies.

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Part 1 - 33

**37 Fenitrothion**

Main Uses 8 Insecticide

JMPR 69, 74, 76R, 77, 79R, 82T, 83R, 84, 86, 88T, 89R, 00T' (01R'), 03'R

ADI 0.005 mg/kg body weight (1988; confirmed 2000)

AcuteRfD 0.04 mg/kg body weight (2000)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Fenitrothion (fat-soluble).

Note Information on which CXLs will be supported would be made available in 2001. The CCPR-34 would consider deletion of the MRLs for commodities no longer supported (33.95).

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple			3		03	2003 JMPR: Withdrawal recommended
VB 0041	Cabbages, Head			3		03	2003 JMPR: Withdrawal recommended
SB 0715	Cacao beans			3		03	2003 JMPR: Withdrawal recommended
ML 0812	Cattle milk			3	03		2003 JMPR: Withdrawal recommended
VB 0404	Cauliflower			3		03	2003 JMPR: Withdrawal recommended
GC 0080	Cereal grains	10	Po	CXL			Retained
GC 0080	Cereal grains	10 Po		3		03	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD.
FS 0013	Cherries			3		03	2003 JMPR: Withdrawal recommended
FC 0001	Citrus fruits			3		03	2003 JMPR: Withdrawal recommended. The CXL was already deleted by the CAC in June 2003.
VO 0440	Egg plant			3		03	2003 JMPR: Withdrawal recommended. The CXL was already deleted by the CAC in June 2003.
MM 0095	Meat (from mammals other than marine mammals)	0.05	(* (fat) E	CXL			Retained
MM 0095	Meat (from mammals other than marine mammals)			3		03	2003 JMPR: Withdrawal recommended.
ML 0106	Milks	0.002	(* E	CXL			Retained
FP 0230	Pear			3		03	2003 JMPR: Withdrawal recommended. The CXL was already deleted by the CAC in June 2003.
CM 1206	Rice bran, Unprocessed	20	PoP	CXL			Retained
CM 1206	Rice bran, Unprocessed			3		03	2003 JMPR: Withdrawal recommended. Previous recommendation: 20 PoP
CM 1205	Rice, Polished	1	PoP	CXL			Retained

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CM	1205	Rice, Polished			3		03	2003 JMPR: Withdrawal recommended. Previous recommendation: 1 PoP
CF	0654	Wheat bran, Processed	2	PoP	CXL			Retained
CF	0654	Wheat bran, Processed			3		03	2003 JMPR: Withdrawal recommended.
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL			Retained
CM	0654	Wheat bran, Unprocessed	30	PoP	3	03		Previous recommendation: 20 PoP
CF	1211	Wheat flour	2	PoP	CXL			Retained
CF	1211	Wheat flour			3		03	2003 JMPR: Withdrawal recommended. Previous recommendation: 2 PoP
CF	1212	Wheat wholemeal	5	PoP	CXL			Retained
CF	1212	Wheat wholemeal			3		03	2003 JMPR: Withdrawal recommended. Previous recommendation: 5 PoP
CP	1211	White bread	0.2	PoP	CXL			Retained
CP	1211	White bread			3		03	2003 JMPR: Withdrawal recommended. Previous recommendation: 2 PoP

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Part 1 - 35

**39 Fenthion**

Main Uses 8 Insecticide

JMPR 71, 75, 77R, 78, 79T, 80T, 83R, 89R, 95', 97T, 00R

ADI 0.007 mg/kg body weight (1995)

AcuteRfD 0.01 mg/kg body weight (1997)

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

Commodity		MRL	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	31	Retained at current Step.
OC	0305 Olive oil, Virgin	1	CXL			
OC	0305 Olive oil, Virgin	3	7B(a)	95	31	Retained at current Step.
FT	0305 Olives	1	CXL			Confirmed (1995 JMPR)
FC	0004 Oranges, Sweet, Sour	0.5	7B(a)	95	31	Retained at current Step.
CM	0649 Rice, Husked	0.05	CXL			

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**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	Step	JMPR	CCPR	Note
Code	Name					
DH 1100	Hops, Dry	0.5				
VR 0589	Potato	0.1				
GC 0649	Rice	0.1	(*)			
VR 0596	Sugar beet	0.2				

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**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	Step	JMPR	CCPR	Note
FP 0226	Apple	10	6	97, 98	33	Retain at current status
VC 0424	Cucumber	1	CXL	94, 97, 98, 99	35	Retain at current status
DF 0269	Dried grapes (=currants, raisins and sultanas)	40	6	97, 98	33	Retain at current status
FB 0269	Grapes	2	CXL			Retain at current status
FB 0269	Grapes	10	6(a)	97, 98	33	Retain at current status
VL 0482	Lettuce, Head	50	6	99	33	Retain at current status
VC 0046	Melons, except watermelon	3	CXL	97, 98	35	Retain at current status
VA 0385	Onion, Bulb	1	CXL	99	35	Retain at current status
VR 0589	Potato	0.1	CXL	99	35	Retain at current status
FB 0275	Strawberry	20	CXL			Retain at current status
FB 0275	Strawberry	5	6(a)	93, 97, 98	31	Retain at current status
VO 0448	Tomato	3	6	97, 98	33	Retain at current status

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**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	Step	JMPR	CCPR	Note
Code	Name					

@@@0000 No MRL



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Part 1 - 39

**46 Hydrogen Phosphide**

Main Uses 4 Fumigant

JMPR 65, 66, 67R, 69R, 71R

ADI Not necessary.

RESIDUE All phosphides, expressed as hydrogen phosphide.

Good usage practices should ensure that residues are not present at time of consumption.

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

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**47 Bromide Ion**

Main Uses

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

ADI 1 mg/kg body weight (confirmed 1988)

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

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

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FI 0326	Avocado	75	CXL			
VP 0522	Broad bean (green pods and immature seeds)	500	CXL			
VB 0400	Broccoli	30	CXL			
VB 0041	Cabbages, Head	100	CXL			
VS 0624	Celery	300	CXL			
GC 0080	Cereal grains	50	CXL			
FC 0001	Citrus fruits	30	CXL			
VC 0424	Cucumber	100	CXL			
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			
VL 0482	Lettuce, Head	100	CXL			
VO 0442	Okra	200	CXL			
DF 0247	Peach, Dried	50	CXL			
VO 0445	Peppers, Sweet	20	CXL			
DF 0014	Prunes	20	CXL			

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

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Part 1 - 42

**48 Lindane**

Main Uses 8 Insecticide

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

ADI 0.005 mg/kg body weight (2002)

AcuteRfD 0.06 mg/kg body weight (2002)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: Lindane (fat-soluble).

Note Previous TADI 0.001 mg/kg bw (1997-2001).

The CCPR-32 noted that data would be sent on seed and soil treatment used for a number of cereal and vegetable commodities for residue evaluation by the 2003 JMPR.

Detailed information was requested on the specific commodities to be supported will in advance of the 33rd Session (32.96)

The MRLs for carrot, eggs, poultry meat, rapeseed, sugar beet and sugar beet leaves and tops would be supported (33.100).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
GC	0640 Barley	0.01	(*)	3	03		
VR	0577 Carrot	0.2		CXL		31	
VR	0577 Carrot		E	3	03		2003 JMPR: Withdrawal recommended. Previous recommendation: 0.2 E
MO	0105 Edible offal (mammalian)	0.01	(*)	3	03		
PE	0112 Eggs	0.1		CXL		31	
PE	0112 Eggs	0.01	(*)	3	03		Previous JMPR recommendation: 0.1E
GC	0645 Maize	0.01	(*)	3	03		
MM	0095 Meat (from mammals other than marine mammals)	0.1	(fat)	3	03		
ML	0106 Milks	0.01	(*)	3	03		
GC	0647 Oats	0.01	(*)	3	03		
PM	0110 Poultry meat	0.7	(fat) E	CXL		31	
PM	0110 Poultry meat	0.05	(fat)	3	03		Previous JMPR recommendation: 0.7 (fat) E
PO	0111 Poultry, Edible offal of	0.01	(*)	3	03		
SO	0495 Rape seed	0.05	(*)	CXL		31	
SO	0495 Rape seed			3	03		2003 JMPR: Withdrawal recommended. Previous JMPR recommendation: 0.05(*).
GC	0650 Rye	0.01	(*)	3	03		
GC	0651 Sorghum	0.01	(*)	3	03		

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AS	0081	Straw and fodder (dry) of cereal grains	0.01	(*)	3	03	
VR	0596	Sugar beet	0.1		CXL		31
VR	0596	Sugar beet			3	03	2003 JMPR: Withdrawal recommended. Previous recommendation: 0.1
AV	0596	Sugar beet leaves or tops	0.1		CXL		31
AV	0596	Sugar beet leaves or tops			3	03	2003 JMPR: Withdrawal recommended. Previous recommendation: 0.1
VO	1275	Sweet corn (kernels)	0.01	(*)	3	03	
GC	0654	Wheat	0.01	(*)	3	03	

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**49 Malathion**

Main Uses 8 Insecticide

JMPR 65T, 66, 68R, 69R, 70R, 73R, 75R, 77R, 84R, 97T', 99R', 00R, 03

ADI 0-0.3 mg/kg body weight (1997)

AcuteRfD 2 mg/kg body weight (2003)

RESIDUE Malathion.

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

The MRLs for the following commodities would be supported: apple; broccol;, cabbages, head; cereal grains; citrus fruits; grapes; peach; raspberries, red, black; root and tuber vegetables; strawberries (33.101).

CCPR 35: awaiting the 2003 JMPR evaluation of the acute RfD and the calculation of acute intake estimates.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	200		6	99	33	
AL	1021 Alfalfa forage (green)	500	dry wt	6	99	33	
FP	0226 Apple	2		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VS	0621 Asparagus	1		6	99	33	
VD	0071 Beans (dry)	2		CXL	99	34	
VP	0061 Beans, except broad bean and soya bean	1		6	99	33	
FB	0020 Blueberries	0.5		CXL			
FB	0020 Blueberries	10		6(a)	99	33	
VB	0400 Broccoli	5		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
VB	0041 Cabbages, Head	8		CXL	99		Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
MF	0812 Cattle fat				03		2003 JMPR: Withdrawal recommended
MM	0812 Cattle meat				03		2003 JMPR: Withdrawal recommended. Previous MRL 0.5.
GC	0080 Cereal grains	8	Po	CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.

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FC	0001	Citrus fruits	4		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AL	1023	Clover	500	dry wt	6	99	33	
AL	1031	Clover hay or fodder	150		6	99	33	
SO	0691	Cotton seed	20		6	99	33	
OC	0691	Cotton seed oil, Crude	13		6	99	33	
OR	0691	Cotton seed oil, Edible	13		6	99	33	
VC	0424	Cucumber	0.2		6	99	33	
FB	0269	Grapes	8		CXL	99	33	Withdrawal recommended (1999 JMPR). Retained for 4 years under the Periodic Review Procedure awaiting new residue data.
AF	0162	Grass forage	200		6	99	33	
AS	0162	Hay or fodder (dry) of grasses	300		6	99	33	
GC	0645	Maize	0.05		6(a)	99	33	
AS	0645	Maize fodder	50		6	99	33	
AF	0645	Maize forage	10	dry wt	6	99	33	
VL	0485	Mustard greens	2		6	99	33	
VA	0385	Onion, Bulb	1		6	99	33	
FS	0247	Peach	6		CXL			CXL reinstated
VO	0051	Peppers	0.1		CXL	99	34	
FB	0272	Raspberries, Red, Black	8		CXL			CXL reinstated
VR	0075	Root and tuber vegetables	0.5		CXL			CXL reinstated
GC	0651	Sorghum	3		6(a)	99	33	
VL	0502	Spinach	3		CXL	99	34	
VA	0389	Spring onion	5		6	99	33	
FB	0275	Strawberry	1		CXL			Confirmed (1999 JMPR)
VO	0447	Sweet corn (corn-on-the-cob)	0.02		6	99	33	
VO	0448	Tomato	0.5		CXL	99	34	
JF	0448	Tomato juice	0.01		6	99	33	
VL	0506	Turnip greens	5		6	99	33	
VR	0506	Turnip, Garden	0.2		CXL	99	34	

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GC	0654	Wheat	0.5			6(a)	99	33	
CM	0654	Wheat bran, Unprocessed	20	PoP		CXL	00		Withdrawal recommended (2000 JMPR)
CF	1211	Wheat flour	2	PoP		CXL			
CF	1211	Wheat flour	0.2			5	00		
AF	0654	Wheat forage (whole plant)	20		dry wt	6	99	33	
AS	0654	Wheat straw and fodder, Dry50				6	99	33	
CF	1212	Wheat wholemeal	2	PoP		CXL	00		Withdrawal recommended (2000 JMPR)



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**50 Mancozeb**

Main Uses 5 Fungicide

JMPR 67, 70, 74R, 77R, 80, 93, 95R

ADI

RESIDUE See (105) dithiocarbamates.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					

@@@0001 See related compound(s)

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**51 Methidathion**

Main Uses 8 Insecticide

JMPR 72, 75, 79R, 92', 94R, 97T

ADI 0.001 mg/kg body weight (1992; confirmed 1997)

AcuteRfD 0.01 mg/kg body weight (1997)

RESIDUE Methidathion.

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

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

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**53 Mevinphos**

Main Uses 8 Insecticide

JMPR 65T, 72, 96T', 97R', 00R

ADI 0.0008 mg/kg body weight (1996)

AcuteRfD 0.003 mg/kg body weight (1996)

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

Note The CCPR-33 requested JMPR to conduct intake calculation for cabbages, head; common bean (pods and/or immature seeds) and leak. (33.102).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
VB	0041 Cabbages, Head	0.05	CXL			Australia would supply new data to support the CXL for Cabbages, Head.

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**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).

The residue for exposure assessment: dimethoate and omethoate expressed as dimethoate (CCPR 35.66).

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

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VL	0482	Lettuce, Head	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VL	0483	Lettuce, Leaf	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VA	0385	Onion, Bulb	0.5		3	90, 98		Withdrawal recommended (1998 JMPR)
FP	0230	Pear	2		6	71, 84, 86, 90, 98	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	24	Changed from 2 mg/kg (1990 JMPR). Withdrawal recommended (1998 JMPR)
VR	0589	Potato	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
VR	0596	Sugar beet	0.05		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)
AV	0596	Sugar beet leaves or tops	1	T	6	75, 84, 86, 90, 98	24	Withdrawal recommended (1998 JMPR)
VO	0448	Tomato	0.5		3	90, 98		Withdrawal recommended (1998 JMPR)
VR	0506	Turnip, Garden	0.2		3	98		Previous CXL being reconsidered at Step 3. Withdrawal recommended (1998 JMPR)

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**56 2-Phenylphenol**

Main Uses 5 Fungicide

JMPR 69, 75R, 83T, 85, 89T, 90, 99', 02R

ADI 0.4 mg/kg body weight (1999)

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

Note Previous ADI, 0.02 mg/kg bw (1990)

Commodity		MRL		Step	JMPR	CCPR	Note
Code	Name						
FC	0001 Citrus fruits	10	Po	CXL			
AB	0001 Citrus pulp, Dry	60	PoP	CXL	99	34	
JF	0004 Orange juice	0.5	PoP	CXL	99	34	
FP	0230 Pear	20	Po	CXL	02	35	

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**57 Paraquat**

Main Uses 7 Herbicide

JMPR 70, 72, 76, 78R, 81R, 82T, 85T, 86T (02'), 03'T

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

AcuteRfD 0.006 mg/kg body weight (2003)

RESIDUE Paraquat cation (generally available as dichloride).

ADI and MRLs are based on data resulting from the use of paraquat dichloride.

Note The information provided to the JMPR precludes an estimate that the dietary intake would be below the ADI. No short-term dietary intake was calculated due to insufficient data (JMPR 2003).

Commodity Code	Commodity Name	MRL		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 &	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			



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OR	0702	Sunflower seed oil, Edible	0.05	(*)	CXL		
AO1	0002	Vegetables (except as otherwise listed)	0.05	(*)	CXL	25	No further action required (25.79)

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**59 Parathion-Methyl**

Main Uses 8 Insecticide

JMPR 65T, 68, 72R, 75, 78, 79T, 80T, 82T, 84, 91R, 92R, 94R', 95T', 00R', 03R

ADI 0.003 mg/kg body weight (1995)

AcuteRfD 0.03 mg/kg body weight (1995)

RESIDUE For compliance with MRLs: Parathion-methyl.

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

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	Commodity Name	MRL		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	70		5	00		
AL	1021 Alfalfa forage (green)	70		5	00		
FP	0226 Apple	0.2		5	00		
AL	1030 Bean forage (green)	1	fresh wt	6	94, 00	30	Confirmed (2000 JMPR)
VD	0071 Beans (dry)	0.05	(*)	CXL	00		Confirmed (2000 JMPR)
VB	0041 Cabbages, Head	0.2		CXL			
VB	0041 Cabbages, Head	0.05		5	00		
SO	0691 Cotton seed	25		5	00		
OC	0691 Cotton seed oil, Crude	10		5	00		
OR	0691 Cotton seed oil, Edible	10		5	00		
DF	0269 Dried grapes (=currants, raisins and sultanas)	1		5	00		
FB	0269 Grapes	0.5		5	00		
AS	0162 Hay or fodder (dry) of grasses	5		6	94, 00	30	Confirmed (2000 JMPR)
GC	0645 Maize	0.1		5	00		
CF	1255 Maize flour	0.05		5	00		
OC	0645 Maize oil, Crude	0.2		5	00		
OR	0645 Maize oil, Edible	0.1		5	00		
FS	0245 Nectarine	0.3		3	03		
AL	0072 Pea hay or pea fodder (dry)	70		5	00		

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AL	0528	Pea vines (green)	40		5	00			
FS	0247	Peach	0.3		5	00			
VD	0072	Peas (dry)	0.2		CXL				
VD	0072	Peas (dry)	0.3		5	00			
FS	0014	Plums (including prunes)	0.01	(*)	CXL	00			Retained for periodic review
VR	0589	Potato	0.05	(*)	CXL	00			Confirmed (2000 JMPR)
SO	0495	Rape seed	0.05		5	00			
OC	0495	Rape seed oil, Crude	0.2		5	00			
OR	0495	Rapeseed oil, Edible	0.2		5	00			
VR	0596	Sugar beet	0.05	(*)	CXL	00			Confirmed (2000 JMPR)
AV	0596	Sugar beet leaves or tops	0.05	(*)					Confirmed (2000 JMPR)
GC	0654	Wheat	5				94, 00	30	
CM	0654	Wheat bran, Unprocessed	10				94, 00	30	Confirmed (2000 JMPR)
CF	1211	Wheat flour	2				94, 00	30	Confirmed (2000 JMPR)
AS	0654	Wheat straw and fodder, Dry	10				94, 00	30	Confirmed (2000 JMPR)

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**60 Phosalone**

Main Uses 8 Insecticide

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

ADI 0.02 mg/kg body weight (1997)

AcuteRfD 0.3 mg/kg body weight (2001)

RESIDUE Phosalone (fat-soluble).

Note Previous ADI 0.001 mg/kg (1993).

Commodity		MRL		Step	JMPR	CCPR	Note
Code	Name						
TN	0660 Almonds	0.1		CXL			
TN	0666 Hazelnuts	0.05	(*)	CXL			
FP	0009 Pome fruits	2		CXL	99	35	
FS	0012 Stone fruits	2		CXL	99	35	
TN	0678 Walnuts	0.05	(*)	CXL			

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**62 Piperonyl Butoxide**

Main Uses 20 Synergist

JMPR 65, 66, 67R, 69R, 72, 92, 95T', 01R', 02R

ADI 0.2 mg/kg body weight (1995)

RESIDUE Piperonyl butoxide (fat-soluble).

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
MO 1280	Cattle kidney	0.3		6	01, 02	35	The MRL accommodates external animal treatment.
MO 1281	Cattle liver	1		6	01, 02	35	
MM 0812	Cattle meat	5	(fat)	6	01, 02	35	The MRL accommodates external animal treatment.
ML 0812	Cattle milk	0.2	F	6	01, 02	35	The MRL accommodates external animal treatment. "F" added (2002 JMPR).
GC 0080	Cereal grains	30	Po	6	01, 02	35	
FC 0001	Citrus fruits	5		6	01, 02	35	
JF 0001	Citrus juice	0.05		6	01, 02	35	
DF 0167	Dried fruits	0.2	Po	6	01, 02	35	
PE 0112	Eggs	1		6	01, 02	35	The MRL accomodates external animal treatment.
VC 0045	Fruiting vegetables, Cucurbits	1		6	01, 02	35	
MO 0098	Kidney of cattle, goats, pigs & sheep	0.2		6	02	35	Excluding cattle kidney. The MRL for cattle kidney is higher than forkidneys of other species because of direct treatment of cattle (2002 JMPR).
VL 0483	Lettuce, Leaf	50		6	01, 02	35	
MO 0099	Liver of cattle, goats, pigs & sheep	1		6	02	35	
OC 0645	Maize oil, Crude	80	PoP	6	01, 02	35	
MM 0095	Meat (from mammals other than marine mammals)	2	(fat)	6	02	35	Excluding cattle meat.
ML 0106	Milks	0.05	F	6	02	35	Excluding cattle milk.
VL 0485	Mustard greens	50		6	01, 02	35	
AL 0072	Pea hay or pea fodder (dry)	200	dry wt	6	01, 02	35	
AL 0528	Pea vines (green)	400	dry wt	6	01, 02	35	
SO 0703	Peanut, Whole	1	Po	6	01, 02	35	

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VO	0051	Peppers	2		6	01, 02	35	
PM	0110	Poultry meat	7	(fat)	6	01, 02	35	The MRL accomodates external animal treatment.
PO	0111	Poultry, Edible offal of	10		6	01, 02	35	The MRL accomodates external animal treatment.
VD	0070	Pulses	0.2	Po	6	01, 02	35	
VL	0494	Radish leaves (including radish tops)	50		6	01, 02	35	
VR	0075	Root and tuber vegetables	0.5		6	01, 02	35	
VL	0502	Spinach	50		6	01, 02	35	
VO	0448	Tomato	2		6	01, 02	35	
JF	0448	Tomato juice	0.3		6	01, 02	35	
GC	0654	Wheat	10	PoP	CXL			To be replaced by MRL for cereal grains (JMPR 2001).
CM	0654	Wheat bran, Unprocessed	80	PoP		01, 02	35	
CF	1211	Wheat flour	10	PoP	6	01, 02	35	
CF	1210	Wheat germ	90	PoP	6	01, 02	35	
CF	1212	Wheat wholemeal	30	PoP	6	01, 02	35	

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Part 1 - 61

**63 Pyrethrins**

Main Uses 8 Insecticide

JMPR 65T, 66, 67R, 68R, 69R, 70T, 72, 74R, 99T', 00R', 03

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

AcuteRfD 0.2 mg/kg body weight (1999)

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

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
GC 0080	Cereal grains	3	Po	CXL	00		Retained
FC 0001	Citrus fruits	0.05		CXL	00	34	
DF 0167	Dried fruits	0.2	Po	CXL	00	35	
VC 0045	Fruiting vegetables, Cucurbits	0.05	(*)	CXL	00	34	
AL 0072	Pea hay or pea fodder (dry)	1		CXL	00	34	
AL 0528	Pea vines (green)	10	dry wt	CXL	00	34	
SO 0697	Peanut	0.5	Po	CXL	00	34	
VO 0051	Peppers	0.05	(*)	CXL	00	34	
VD 0070	Pulses	0.1		CXL	00	35	Change to Po
VR 0075	Root and tuber vegetables	0.05	(*)	CXL	00	34	
VO 0448	Tomato	0.05	(*)	CXL	00	34	
TN 0085	Tree nuts	1	Po	CXL	00		Retained

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Part 1 - 62

**64 Quintozene**

Main Uses 5 Fungicide

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

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

RESIDUE Plant commodities: Quintozene (fat-soluble).

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

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
GC 0640	Barley	0.01	(*)	CXL	98	34	
AS 0640	Barley straw and fodder,	0.01	(*)	CXL	98	34	
VB 0400	Broccoli	0.05		CXL	98	34	
VB 0041	Cabbages, Head	0.1		CXL	98	34	
PM 0840	Chicken meat	0.1	(*) (fat)	CXL	98	34	
PO 0840	Chicken, Edible offal of	0.1	(*)	CXL	98	34	
VD 0526	Common bean (dry)	0.02		CXL	98	34	
VP 0526	Common bean (pods and/or immature seeds)	0.1		CXL	98	34	
VP 0526	Common bean (pods and/or immature seeds)	0.01				34	
SO 0691	Cotton seed	0.01		CXL	98	34	
PE 0112	Eggs	0.03	(*)	CXL	98	34	
GC 0645	Maize	0.01	(*)	CXL	98	34	
AS 0645	Maize fodder	0.01		CXL	98	34	
AL 0072	Pea hay or pea fodder (dry)	0.05		CXL	98	34	
SO 0697	Peanut	0.5		CXL	98	34	
SO 0697	Peanut	2				34	
VD 0072	Peas (dry)	0.01		CXL	98	34	
VO 0445	Peppers, Sweet	0.05	(*)	CXL	98	34	
VD 0541	Soya bean (dry)	0.01	(*)	CXL	98	34	
AL 0541	Soya bean fodder	0.01	(*)	CXL	98	34	
AL 1265	Soya bean forage (green)	0.01	(*)	CXL	98	34	
VR 0596	Sugar beet	0.01	(*)	CXL	98	34	



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VO	0448	Tomato	0.02
GC	0654	Wheat	0.01
AS	0654	Wheat straw and fodder, Dry	0.03

CXL	98	34
CXL	98	34
CXL	98	34

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Part 1 - 64

**65 Thiabendazole**

Main Uses 5 Fungicide

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

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

RESIDUE Plant commodities: Thiabendazole.

Animal commodities: Sum of thiabendazole and 5-hydroxythiabendazole.

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

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
FI	0326 Avocado	15	Po	CXL	00	35	
FI	0327 Banana	5	Po	CXL			
MO	1280 Cattle kidney	1		CXL	00	35	
MO	1281 Cattle liver	0.3		CXL	00	35	
MM	0812 Cattle meat	0.1		CXL	00		The MRL also accommodates veterinary uses (see also Volume 3, Section 1). The CCPR-32 amended the MRL for the sake of harmonization with the existing MRL for cattle muscle arising from veterinary uses (previously 0.05 mg/kg)(32.101). 0.1 mg/kg confirmed by the 2000 JMPR.
ML	0812 Cattle milk	0.2		CXL	00	35	
FC	0001 Citrus fruits	10	Po	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure as new data became available for the 2000 JMPR review (31.65)
FC	0001 Citrus fruits	3	Po	5	00		CCPR 35: Requested the Delegation of Morocco to submit data on citrus fruit for JMPR.
PE	0112 Eggs	0.1		CXL			
FI	0345 Mango	5	Po	CXL	00	35	
VC	0046 Melons, except watermelon	1		3	00		Returned to Step 3 pending new data
VO	0450 Mushrooms	60		5	97	33	CCPR 35: Awaiting more data from the USA.
FI	0350 Papaya	10		CXL	00	35	
FP	0009 Pome fruits	3	Po	CXL	00	35	
VR	0589 Potato	15	Po	CXL	00	35	Postharvest use
PM	0110 Poultry meat	0.05		CXL			
FB	0275 Strawberry	5		3	00		
VS	0469 Witloof chicory (sprouts)	0.05	(*)	CXL			

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Part 1 - 66

**67 Cyhexatin**

Main Uses 1 Acaricide

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

ADI 0.007 mg/kg body weight (1994)

RESIDUE Sum of azocyclotin and cyhexatin, expressed as cyhexatin.

Note The CCPR-25 decided to harmonize the residue definition as "the sum of azocyclotin and cyhexatin expressed as cyhexatin" and to have 2 separate but identical lists.

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

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**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	Step	JMPR	CCPR	Note
Code	Name					

@@@0001 See related compound(s)

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Part 1 - 68

**70 Bromopropylate**

Main Uses 1 Acaricide

JMPR 73, 93, 96R

ADI 0.03 mg/kg body weight (1993)

RESIDUE Bromopropylate.

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

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Part 1 - 69

**72 Carbendazim**

Main Uses 5 Fungicide

JMPR 73, 76R, 77T, 78R, 83, 85, 87R, 88R, 90R, 94R, 95T', 98R', 03R

ADI 0.03 mg/kg body weight (1995)

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

Note Compounds for which sufficient data from trials complying with GAP were provided (B, benomyl; C, carbendazim; Th, thiophanate-methyl). Letters in upper case indicate the source(s) of the data on which the MRL is based.

The CCPR-32 decided to retain the current residue definitions for benomyl/carbendazim/thiophanate-methyl and to reconsider them at its 33rd session. Written submissions specifying precise information on the available data were requested (32.103). The CCPR-33 would consider the issue of extrapolation from peach to other stone fruits and from wheat to rye (32.104).

The CCPR-33 agreed to change the definition to 1998 wording. It decided to consider the issue of the residue definition at its next session. Extrapolation from peach to apricots and nectarines was supported by several delegations. Therefore, the CCPR-33 decided to change the MRL from 0.1 mg/kg to 2 mg/kg for apricot (33.117-118).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note	
FS	0240 Apricot	2		B	CXL			
VS	0621 Asparagus	0.1	(*)	B	CXL	98	32	Source of data: benomyl Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure because of commitment to submit data (32.103).
VS	0621 Asparagus	0.2		C				Previous JMPR: withdrawal recommended. C=carbendazim use
FI	0327 Banana	0.2		B	6	98	34	
GC	0640 Barley	0.5		C	6	94, 98	34	
AS	0640 Barley straw and fodder,	2		C	6	98	34	Based on Carbendazim data
VD	0071 Beans (dry)	0.5		Th	6	98	34	
FB	0018 Berries and other small	1		B,Th	6	88, 94, 98	33, 35	Except grapes. CCPR 35: Returned to Step 6 pending data.
VB	0402 Brussels sprouts	0.5		B	CXL			Source of data: benomyl Confirmed (1998 JMPR)
VR	0577 Carrot	0.2		B	6	98	34	
MM	0812 Cattle meat	0.05	(*)	B	6	98	34	
FS	0013 Cherries	10Th			3	03		Previous JMPR: withdrawal recommended
PF	0840 Chicken fat	0.05	(*)	B	6	98	34	
SB	0716 Coffee beans	0.1	(*)	C	CXL	98	32	Source of data: carbendazim Retained
VP	0526 Common bean (pods and/or immature seeds)	2		B,C,Th	CXL	98		Source of data: benomyl, carbendazim, thiophanate-methyl Retained

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VP	0526	Common bean (pods and/or immature seeds)	0.5	Th		3	03			Previous JMPR: withdrawal recommended
VC	0424	Cucumber	0.05	(*)	b, C	6	98	34		
MO	0105	Edible offal (mammalian)	0.05	(*)	B	6	98	34		
PE	0112	Eggs	0.05	(*)	B	6	98	34		
VP	0529	Garden pea, Shelled	0.02		Th	6	98	34		
VC	0425	Gherkin	0.05	(*)	b,C	6	98	34		
FB	0269	Grapes	3		b, Th	6	98	34		
VL	0482	Lettuce, Head	5		Th	6	73,75,78,83,88,94,98	33		Retained pending data.
FI	0345	Mango	2		B	CXL	98	32		Source of data: benomyl Retained
FI	0345	Mango	5	C		3	03			C=carbendazim use
ML	0106	Milks	0.05	(*)	B	6	98	34		
FS	0245	Nectarine	2		B	CXL				Source of data: benomyl
FC	0004	Oranges, Sweet, Sour	1		B	6	98	34		
FS	0247	Peach	2		B	CXL				Source of data: benomyl
SO	0697	Peanut	0.1	*Th		3	03			Previous JMPR: withdrawal recommended
AL	0697	Peanut fodder	3	Th		3	03			Expressed on dry weight basis Previous JMPR: withdrawal recommended. Expressed on dry weight basis. Th=thiophanate-methyl use
VO	0051	Peppers	0.1		Th	6	83, 88, 94 ,98	33		Retained
VO	0444	Peppers, Chili	2	C		3	03			C=carbendazim use
FI	0353	Pineapple	5		B	8	98	34		
FS	0014	Plums (including prunes)	0.5		B	CXL				Source of data: benomyl
FP	0009	Pome fruits	3		B,c,th	CXL				Source of data: benomyl, carbendazim, thiophanate-methyl. Based on benomyl use.
PM	0110	Poultry meat	0.05	(*)	B	6	98	34		
SO	0495	Rape seed	0.05	(*)	C	6	98	34		
AS	0649	Rice straw and fodder, Dry	15		B	6	98	34		Based only on Benomyl data
CM	0649	Rice, Husked	2		B	6	98	34		
GC	0650	Rye	0.05		C,Th	6	94, 98	34		Changed from 0.1 to 0.05 (*)
VD	0541	Soya bean (dry)	0.2		C	CXL	98	32		Source of data: carbendazim Retained pending data
VD	0541	Soya bean (dry)	0.5	Th		3	03			Previous JMPR: withdrawal recommended. Th=thiophanate-methyl use



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AL	0541	Soya bean fodder	0.1	(*)	C	CXL	98	32	Source of data: carbendazim Retained pending data Previous JMPR: withdrawal recommended. Th=thiophanate-methyl use
VC	0431	Squash, Summer	0.5	Th		3	03		
VR	0596	Sugar beet	0.1*	Th		3	03		Previous JMPR: withdrawal recommended. Th=thiophanate-methyl use
AV	0596	Sugar beet leaves or tops	10	Th		3	03		Previous JMPR: withdrawal recommended. Th=thiophanate-methyl use
VO	0448	Tomato	0.5		b,C	CXL			Source of data: benomyl, carbendazim. Based on carbendazim use.
TN	0085	Tree nuts	0.1	(*)	B	CXL	98	32	Source of data: benomyl Retained pending data
GC	0654	Wheat	0.05	(*)	b,Th	6	94, 98	34	
AS	0654	Wheat straw and fodder, Dry1			B,C	6	98	34	

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Part 1 - 72

**73 Demeton-S-Methyl**

Main Uses 8 Insecticide

JMPR 73, 79R, 82T, 84, 89, 92R, 98R'

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

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.  
See (166) oxydemeton-methyl.

Commodity						
Code	Name	MRL	Step	JMPR	CCPR	Note

@@@0001 See related compound(s)

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Part 1 - 73

**74 Disulfoton**

Main Uses 8 Insecticide / Acaricide

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

ADI 0.0003 mg/kg body weight (1991)

AcuteRfD 0.003 mg/kg body weight (1996)

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

Note The CCPR-28 amended the MRLs at or about the limit of determination to read 0.02 mg/kg (\*) and kept them at Step 7B awaiting the outcome of the 1996 JMPR. The MRLs for maize and milk of cattle, goats and sheep at the levels below the new limit of determination were also kept at Step 7B (28.52). The CCPR-28 kept all other proposals at Step 7C due to intake concerns (28.54).

The CCPR-29 kept those MRLs at Step 7B pending the 1998 JMPR evaluation including STMR and processing data (29.57).

The CCPR-31 returned all draft MRLs to Step 6 for government comments and subsequent discussion at the CCPR-32 (31.67).

The CCPR-32 noted that: rice and sorghum were the main source of the intake except in the European regional diet; and the manufacturer was considering not to support the CXLs for rice and sorghum. The CCPR-33 would consider revocation of these CXLs at its 33rd Session. All draft MRLs were returned to Step 6 for consideration at the 33rd Session (32.105)

The CCPR-33 noted that the MRLs for rice, sorghum and sorghum forage (green) would not be supported due to intake concerns and it would be informed on which used would be supported before the 34th Session. The CCRP-33 requested WHO to undertake intake calculations, especially acute intake for the next session (33.120, 123).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
AL 1020	Alfalfa fodder	5	(dry wt)	CXL			
VS 0621	Asparagus	0.02	(*)	CXL	91	35	
GC 0640	Barley	0.2		CXL	91, 94	35	Confirmed (1994 JMPR).
AS 0640	Barley straw and fodder,	3		CXL			
VD 0071	Beans (dry)	0.2		CXL	91, 94, 98	35	Changed from 0.05 mg/kg at Step 7B (1998 JMPR)
VB 0400	Broccoli	0.1		6	91, 94	33	Changed from 0.2 mg/kg (1994 JMPR).
VB 0041	Cabbages, Head	0.2		6	91, 94	33	
VB 0404	Cauliflower	0.05		6	91, 94	33	Changed from 0.2 mg/kg (1994 JMPR).
PE 0840	Chicken eggs	0.02	(*)	CXL	91	35	
AL 1031	Clover hay or fodder	10		CXL			
SB 0716	Coffee beans	0.2		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.2		CXL	91, 94	35	Confirmed (1994 JMPR).
SO 0691	Cotton seed	0.1		CXL	91, 94, 98	35	Confirmed (1994 & 1998 JMPR); formerly at Step 7B.
AO3 1600	Forage crops (green)	5		CXL			Except maize forage. To be replaced by the MRLs for individual commodities.
VP 0528	Garden pea (young pods)	0.1		CXL	91, 94	35	

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VP	0529	Garden pea, Shelled	0.02	(*)	CXL	91, 94	35	
VL	0482	Lettuce, Head	1		6	91, 98	33	Confirmed (1998 JMPR); formerly at Step 7B.
VL	0483	Lettuce, Leaf	1		6	91, 98	33	Confirmed (1998 JMPR); formerly at Step 7B.
GC	0645	Maize	0.02	(*)	CXL	91, 94, 98	35	Changed from 0.01 mg/kg at Step 7B (1998 JMPR).
AS	0645	Maize fodder	3		CXL			
AF	0645	Maize forage	1		CXL			
ML	0107	Milk of cattle, goats & sheep	0.01		CXL	91, 94	35	Changed from 0.02 mg/kg (1994 JMPR).
AF	0647	Oat forage (green)	0.5		CXL	91, 94	35	Confirmed (1994 JMPR)
AS	0647	Oat straw and fodder, Dry	0.05		CXL	91, 94	35	Confirmed (1994 JMPR)
GC	0647	Oats	0.02	(*)	CXL	91, 94	35	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	(*)	CXL	91	35	
VR	0591	Radish, Japanese	0.2		CXL			
VR	0596	Sugar beet	0.2		CXL			
AV	0596	Sugar beet leaves or tops	2		CXL			
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	CXL	91	35	
VO	1275	Sweet corn (kernels)	0.02	(*)	CXL	91	35	
AO1	0002	Vegetables (except as otherwise listed)	0.5		CXL		25	To be recommended for deletion when proposals of the relevant individual commodities reach Step 8 (25.96)
GC	0654	Wheat	0.2		CXL	91, 94	35	Confirmed (1994 JMPR).
AF	0654	Wheat forage (whole plant)	1		CXL	91, 94	35	Changed from 2 mg/kg (1994 JMPR).
AS	0654	Wheat straw and fodder, Dry5			CXL	91, 94	35	Changed from 10 mg/kg (1994 JMPR).

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Part 1 - 75

**78 Vamidothion**

Main Uses 8 Insecticide

JMPR 73, 82T, 85, 87R, 88T, 90R, 92R

ADI 0.008 mg/kg body weight (1988)

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

Note The CAC-24 revoked the existing CXLs.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
@ @ @ 0000	No MRL					

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**79 Amitrole**

Main Uses 7 Herbicide

JMPR 74, 77T, 93, 97T, 98R'

ADI 0.002 mg/kg body weight (1997)

RESIDUE Amitrole.

Note Previous TADI, 0.0005 mg/kg bw (1993).

Previous CXLs for raw agricultural commodities of plant origin were revoked by the 17th CAC.

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FB 0269	Grapes	0.05	6	98	34	
FP 0009	Pome fruits	0.05 (*)	6	98	34	
FS 0012	Stone fruits	0.05 (*)	6	98	34	

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Part 1 - 77

**81 Chlorothalonil**

Main Uses 5 Fungicide

JMPR 74,77,78R,79,81,83,85,87T,88R,90,92T,93R', 97R

ADI 0.03 mg/kg body weight (1990; confirmed 1992)

RESIDUE Chlorothalonil.

Note The CCPR-33 invited the banana producing countries to submit data on unbagged bananas (33.127).  
The 35 CCPR recommended to consider revocation of the remaining CXLs if no longer supported.

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FI	0327 Banana	0.01 (*)	CXL			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			
AS	0640 Barley straw and fodder,	20	CXL			
VD	0071 Beans (dry)	0.2	CXL			
VB	0400 Broccoli	5	CXL			Confirmed (1997 JMPR)
VB	0402 Brussels sprouts	5	CXL			
VB	0041 Cabbages, Head	1	CXL			
VR	0577 Carrot	1	CXL			
VB	0404 Cauliflower	1	CXL			
VS	0624 Celery	10	CXL			
HH	0624 Celery leaves	3	CXL			
FS	0013 Cherries	0.5	CXL			
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			
FB	0269 Grapes	0.5	CXL			
VC	0046 Melons, except watermelon	2	CXL			

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VA	0385	Onion, Bulb	0.5		CXL
HH	0740	Parsley	3		CXL
FS	0247	Peach	0.2		CXL
SO	0697	Peanut	0.05		CXL
VO	0445	Peppers, Sweet	7		CXL
VR	0589	Potato	0.2		CXL
VC	0431	Squash, Summer	5		CXL
VR	0596	Sugar beet	0.2		CXL
AV	0596	Sugar beet leaves or tops	20		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL
VO	0448	Tomato	5		CXL
GC	0654	Wheat	0.1		CXL
AS	0654	Wheat straw and fodder, Dry	20		CXL
VC	0433	Winter squash	5		CXL



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Part 1 - 79

**82 Dichlofluanid**

Main Uses 5 Fungicide

JMPR 69, 74, 77, 79, 81R, 82R, 83, 85R

ADI 0.3 mg/kg body weight (1983)

RESIDUE Dichlofluanid

Note This compound will not be supported beyond 2000 but an alternative compound, tolylfluanid (162) will be. It was proposed that the existing CXLs be retained until the registration of dichlofluanid expires (29.58).

The CCPR-33 requested an overview on the registered uses of dichlofluanid. Based on the information the CCPR-34 would consider the revocation of CXLs fro the commodities for which there are no registered uses (33.128).

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FP	0226 Apple	5	CXL			
VC	0424 Cucumber	5	CXL			
FB	0021 Currants, Black, Red, White	15	CXL			
FB	0268 Gooseberry	7	CXL			
FB	0269 Grapes	15	CXL			
VL	0482 Lettuce, Head	10	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			
FB	0275 Strawberry	10	CXL			
VO	0448 Tomato	2	CXL			

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Part 1 - 80

**83 Dicloran**

Main Uses 5 Fungicide

JMPR 74, 77, 98, 03R

ADI 0.01 mg/kg body weight (1998)

RESIDUE Dicloran (fat-soluble).

Note Previous ADI 0.03 mg/kg (1977).

Residue: for compliance with MRLs and estimation of dietary intake - dicloran

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
VR 0577	Carrot	15	Po	CXL	98	34	
FB 0269	Grapes	10	Po	CXL	98	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FB 0269	Grapes	7		3	03		Previous JMPR: Withdrawal recommended
VL 0482	Lettuce, Head	10		CXL	98	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FS 0245	Nectarine	7 Po		3	03		
VA 0385	Onion, Bulb	0.2		CXL			
FS 0247	Peach	15	Po	CXL	98	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)
FS 0247	Peach	7 Po		3	03		Previous JMPR: Withrdowal Recommended
FS 0014	Plums (including prunes)	10	Po	CXL	98	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	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	32	Withdrawal recommended (1998 JMPR). Retained for 4 years under the Periodic Review Procedure as the use would be supported (32.111)

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Part 1 - 81

**84 Dodine**

Main Uses 5 Fungicide

JMPR 74, 76, 77R, 00T' (01R'), 03'R

ADI 0.1 mg/kg body weight (2000)

AcuteRfD 0.2 mg/kg body weight (2000)

RESIDUE For compliance with MRL and for estimation of dietary intake: Dodine.

Note Previous ADI, 0.01 mg/kg body weight

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
FP	0226 Apple	5	CXL			
FP	0226 Apple		3	03		2003 JMPR: Withdrawal recommended. Previous MRL 5.
FS	0013 Cherries	2	CXL			
FS	0013 Cherries	3	3	03		Previous MRL: 2
FB	0269 Grapes	5	CXL			
FB	0269 Grapes		3	03		2003 JMPR: Withdrawal recommended. Previous MRL 5.
FS	0245 Nectarine		5	03		
FS	0247 Peach	5	CXL			
FS	0247 Peach	5	3	03		
FP	0230 Pear	5	CXL			
FP	0230 Pear		3	03		2003 JMPR: Withdrawal recommended. Previous MRL 5.
FP	0009 Pome fruits	5	3	03		
FB	0275 Strawberry	5	CXL			
FB	0275 Strawberry			03		2003 JMPR: Withdrawal recommended. Previous MRL 5.

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Part 1 - 82

**85 Fenamiphos**

Main Uses 8 Insecticide

JMPR 74, 77R, 78R, 80R, 85T, 87T, 97T', 99R'

ADI 0.0008 mg/kg body weight (1997)

AcuteRfD 0.003 mg/kg body weight (2002)

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

Note Previous acuteRfD, 0.0008 mg/kg bw (1997).

It decided not to advance the draft MRLs beyond Step 7 until intake concerns were resolved. It invited delegations to express their views on possible solutions (33.131-134).

CCPR 35: Awaiting more refined calculation of acute intake for Step 6 compounds (para.81).

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

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

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**86 Pirimiphos-Methyl**

Main Uses 8 Insecticide

JMPR 74, 76, 77R, 79R, 83R, 85R, 92T, 94R (02R'), 03'R

ADI 0-0.03 mg/kg body weight (1992)

RESIDUE For compliance with MRLs and estimation of dietary intake for plant and animal commodities: Pirimiphos-methyl (fat-soluble).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple	2		CXL			
FP 0226	Apple				03		2003 JMPR: Withdrawal recommended.
VB 0402	Brussels sprouts	2		CXL			
VB 0402	Brussels sprouts				03		2003 JMPR: Withdrawal recommended.
VB 0041	Cabbages, Head	2		CXL			
VB 0041	Cabbages, Head				03		2003 JMPR: Withdrawal recommended.
VR 0577	Carrot	1		CXL			
VR 0577	Carrot				03		2003 JMPR: Withdrawal recommended.
VB 0404	Cauliflower	2		CXL			
VB 0404	Cauliflower				03		2003 JMPR: Withdrawal recommended.
GC 0080	Cereal grains	10	Po	CXL			
GC 0080	Cereal grains	7 Po		3	03		
FS 0013	Cherries	2		CXL			
FS 0013	Cherries				03		2003 JMPR: Withdrawal recommended.
FC 0001	Citrus fruits	2		CXL			
FC 0001	Citrus fruits				03		2003 JMPR: Withdrawal recommended.
VP 0526	Common bean (pods and/or immature seeds)	0.5		CXL			
VP 0526	Common bean (pods and/or immature seeds)				03		2003 JMPR: Withdrawal recommended.
VC 0424	Cucumber	1		CXL			
VC 0424	Cucumber				03		2003 JMPR: Withdrawal recommended.
FB 0278	Currant, Black	1		CXL			
FB 0278	Currant, Black				03		2003 JMPR: Withdrawal recommended.

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DF	0295	Dates, Dried or dried & candied	0.5	Po	CXL	
DF	0295	Dates, Dried or dried & candied			03	2003 JMPR: Withdrawal recommended.
MD	0180	Dried fish	8	Po	CXL	
MD	0180	Dried fish			03	2003 JMPR: Withdrawal recommended.
PE	0112	Eggs	0.05	(*)	CXL	
PE	0112	Eggs			03	2003 JMPR: Withdrawal recommended.
FB	0268	Gooseberry	1		CXL	
FB	0268	Gooseberry			03	2003 JMPR: Withdrawal recommended.
FI	0341	Kiwifruit	2		CXL	
FI	0341	Kiwifruit			03	2003 JMPR: Withdrawal recommended.
VL	0482	Lettuce, Head	5		CXL	
VL	0482	Lettuce, Head			03	2003 JMPR: Withdrawal recommended.
MM	0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	
MM	0095	Meat (from mammals other than marine mammals)			03	2003 JMPR: Withdrawal recommended.
ML	0106	Milks	0.05	(*)	CXL	
ML	0106	Milks	0.01		3	03
VO	0450	Mushrooms	5		CXL	
VO	0450	Mushrooms			03	2003 JMPR: Withdrawal recommended.
FT	0305	Olives	5		CXL	
FT	0305	Olives			03	2003 JMPR: Withdrawal recommended.
SO	0697	Peanut	2	Po	CXL	
SO	0697	Peanut			03	2003 JMPR: Withdrawal recommended.
OC	0697	Peanut oil, Crude	15	PoP	CXL	
OC	0697	Peanut oil, Crude			03	2003 JMPR: Withdrawal recommended.
OC	0697	Peanut oil, Crude			03	2003 JMPR: Withdrawal recommended.
OR	0697	Peanut oil, Edible	15	PoP	CXL	
SO	0703	Peanut, Whole	25	Po	CXL	
SO	0703	Peanut, Whole			03	2003 JMPR: Withdrawal recommended.
FP	0230	Pear	2		CXL	

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FP	0230	Pear				03	2003 JMPR: Withdrawal recommended.
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL		
VP	0063	Peas (pods and succulent=immature seeds)				03	2003 JMPR: Withdrawal recommended.
VO	0051	Peppers	1		CXL		
VO	0051	Peppers				03	2003 JMPR: Withdrawal recommended.
FS	0014	Plums (including prunes)	2		CXL		
FS	0014	Plums (including prunes)				03	2003 JMPR: Withdrawal recommended.
VR	0589	Potato	0.05	(*)	CXL		
VR	0589	Potato				03	2003 JMPR: Withdrawal recommended.
FB	0272	Raspberries, Red, Black	1		CXL		
FB	0272	Raspberries, Red, Black				03	2003 JMPR: Withdrawal recommended.
CM	1206	Rice bran, Unprocessed	20	PoP	CXL		
CM	1206	Rice bran, Unprocessed				03	2003 JMPR: Withdrawal recommended.
CM	0649	Rice, Husked	2	PoP	CXL		
CM	0649	Rice, Husked				03	2003 JMPR: Withdrawal recommended.
CM	1205	Rice, Polished	1	PoP	CXL		
CM	1205	Rice, Polished				03	2003 JMPR: Withdrawal recommended.
CF	1251	Rye wholemeal	5	PoP	CXL		
CF	1251	Rye wholemeal				03	2003 JMPR: Withdrawal recommended.
VL	0502	Spinach	5		CXL		
VL	0502	Spinach				03	2003 JMPR: Withdrawal recommended.
VA	0389	Spring onion	1		CXL		
VA	0389	Spring onion				03	2003 JMPR: Withdrawal recommended.
FB	0275	Strawberry	1		CXL		
FB	0275	Strawberry				03	2003 JMPR: Withdrawal recommended.
VO	0448	Tomato	1		CXL		
VO	0448	Tomato				03	2003 JMPR: Withdrawal recommended.
CM	0654	Wheat bran, Unprocessed	20	PoP	CXL		
CM	0654	Wheat bran, Unprocessed	15PoP		3	03	
CF	1211	Wheat flour	2	PoP	CXL		
CF	1211	Wheat flour				03	2003 JMPR: Withdrawal recommended.



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CF	1212	Wheat wholemeal	5	PoP	CXL	
CF	1212	Wheat wholemeal			03	2003 JMPR: Withdrawal recommended.
CP	1211	White bread	0.5	PoP	CXL	
CP	1211	White bread			03	2003 JMPR: Withdrawal recommended.
CP	1212	Wholemeal bread	1	PoP	CXL	
CP	1212	Wholemeal bread			03	2003 JMPR: Withdrawal recommended.

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Part 1 - 88

**87 Dinocap**

Main Uses 5 Fungicide

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

ADI 0.008 mg/kg body weight (1998)

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

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

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

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	0.2	CXL	98	34	
VC 0045	Fruiting vegetables, Cucurbits	0.05 (*)	CXL	98	34	
FB 0269	Grapes	0.5	CXL	98, 00	35	Returned to current Step
FS 0247	Peach	0.1	CXL	98	34	
VO 0051	Peppers	0.2	CXL	98	34	
FB 0275	Strawberry	0.5	CXL	98	34	Except glasshouse-grown strawberry
VO 0448	Tomato	0.3	CXL	99	34	

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**90 Chlorpyrifos-Methyl**

Main Uses 8 Insecticide

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

ADI 0.01 mg/kg body weight (1992)

RESIDUE Chlorpyrifos-methyl (fat-soluble).

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

Commodity Code	Name	MRL		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	33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74). The CCPR 35 decided awaiting review by JMPR.
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			
VO 0440	Egg plant	0.1		CXL			
PE 0112	Eggs	0.05		CXL			
FB 0269	Grapes	0.2		CXL			
VL 0482	Lettuce, Head	0.1		CXL			
ML 0106	Milks	0.01	(*)	CXL			
VO 0450	Mushrooms	0.01	(*)	CXL			

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GC	0647	Oats	10	Po	6	91, 94	33	Confirmed (1994 JMPR). The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74). The CCPR 35 decided awaiting review by JMPR.
FC	0004	Oranges, Sweet, Sour	0.5		CXL			
FS	0247	Peach	0.5		CXL			
VO	0051	Peppers	0.5		CXL			
VR	0494	Radish	0.1		CXL			
GC	0649	Rice	0.1		CXL			
GC	0649	Rice	10	Po	6(a)	94	33	The CCPR-31 returned the MRL to Step 6 for reconsideration at the CCPR-32 (31.74). The CCPR 35 decided awaiting review by JMPR.
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			

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Part 1 - 91

**93 Bioresmethrin**

Main Uses 8 Insecticide

JMPR 75R, 76, 91

ADI 0.03 mg/kg body weight (1991)

RESIDUE Bioresmethrin.

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

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Part 1 - 92

**94 Methomyl**

Main Uses 8 Insecticide

JMPR 75R, 76R, 77R, 78R, 86, 87R, 88R, 89, 90R, 91R, 01'

ADI 0.02 mg/kg body weight (2001)

AcuteRfD 0.02 mg/kg body weight (2001)

RESIDUE Sum of methomyl and thiodicarb, expressed as methomyl.

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

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

Previous ADI, 0.03 mg/kg bw (1989).

The 35th CCPR decided to postpone discussions awaiting the outcome of refined acute intake calculations - including existing CXLs.

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
	[Cotton seed, hulls]	0.2	5	01	35	
	[Cotton seed, meal]	0.05	5	01	35	
	[Rape seed forage]	0.2	5	01	35	
	[Soya bean hulls]	1	5	01	35	
	[Soya bean meal]	0.2	5	01	35	
AL 1020	Alfalfa fodder	20	3	01	35	Resulting from consideration of methomyl supervised field trial data.
AL 1021	Alfalfa forage (green)	10	CXL			
AL 1021	Alfalfa forage (green)	25	3(a)	01	35	Resulting from consideration of methomyl supervised field trial data.
FP 0226	Apple	2	5	01	35	Resulting from consideration of thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VS 0621	Asparagus	2	CXL			Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR).
GC 0640	Barley	0.5	CXL			
GC 0640	Barley	2	3(a)	01	35	Resulting from consideration of methomyl supervised field trial data.
AS 0640	Barley straw and fodder,	5	CXL	01		Withdrawal recommended (2001 JMPR).
AL 0061	Bean fodder	10	3	01	35	Resulting from consideration of methomyl supervised field trial data.
VD 0071	Beans (dry)	0.1	CXL			

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VD	0071	Beans (dry)	0.05		5	01	35	Resulting from consideration of methomyl supervised field trial data.
VP	0061	Beans, except broad bean and soya bean	1		3	01	35	Resulting from consideration of methomyl supervised field trial data.
VB	0040	Brassica vegetables	7		3(a)	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VB	0041	Cabbages, Head	5		CXL			To be replaced by MRL for Brassica vegetables (2001
VB	0404	Cauliflower	2		CXL			To be replaced by MRL for Brassica vegetables (2001
VS	0624	Celery	2		CXL			
VS	0624	Celery	3		3(a)	01	35	Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR).
FC	0001	Citrus fruits	1		CXL			Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
AB	0001	Citrus pulp, Dry	3		3	01	35	
VP	0526	Common bean (pods and/or immature seeds)	2		CXL			
VP	0526	Common bean (pods and/or immature seeds)	1		5	01	35	Resulting from consideration of methomyl supervised field trial data.
SO	0691	Cotton seed	0.5		CXL			Based on thiodicarb use
SO	0691	Cotton seed	0.2		5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0691	Cotton seed oil, Edible	0.04		5	01	35	
VC	0424	Cucumber	0.2		CXL			To be replaced with MRL for cucurbits, fruiting vegetables (2001 JMPR)
MO	0105	Edible offal (mammalian)	0.02	(*)	5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PE	0112	Eggs	0.02	(*)	5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VC	0045	Fruiting vegetables, Cucurbits	0.1		3(a)	01		Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake for watermelon would be below the acute RfD (2001 JMPR).
FB	0269	Grapes	5		CXL			

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FB	0269	Grapes	7			3(a)	01	35	Resulting from consideration of methomyl supervised field trial data. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VL	0480	Kale	5			CXL	01		Withdrawal recommended (2001 JMPR)
VL	0053	Leafy vegetables	30			3(a)	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VL	0482	Lettuce, Head	5			CXL			To be replaced by MRL for leafy vegetables (2001 JMPR)
GC	0645	Maize	0.05	(*)		CXL			Based on thiodicarb use
GC	0645	Maize	0.02	(*)		5	01	35	Resulting from consideration of methomyl supervised field trial data.
AS	0645	Maize fodder	50		fresh wt	CXL	01		Based on thiodicarb use Withdrawal recommended (2001 JMPR)
AF	0645	Maize forage	50		fresh wt	CXL			Based on thiodicarb use
AF	0645	Maize forage	50			5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
OR	0645	Maize oil, Edible	0.02	(*)		5	01	35	
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)		CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)		5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
VC	0046	Melons, except watermelon	0.2			CXL			To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
ML	0106	Milks	0.02	(*)		CXL			
ML	0106	Milks	0.02	(*)		5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
AM	0738	Mint hay	2			CXL	01		Withdrawal recommended (2001 JMPR)
FS	0245	Nectarine	5			CXL			
FS	0245	Nectarine	0.2			5	01	35	Resulting from consideration of methomyl supervised field trial data.
GC	0647	Oats	0.5			CXL			
GC	0647	Oats	0.02	(*)		5	01	35	Resulting from consideration of methomyl supervised field trial data.
VA	0385	Onion, Bulb	0.2			CXL			Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
AL	0528	Pea vines (green)	10		fresh wt	CXL			



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AL	0528	Pea vines (green)	40		3(a)	01	35	Resulting from consideration of methomyl supervised field trial data.
FS	0247	Peach	5		CXL			
FS	0247	Peach	0.2		5	01	35	Resulting from consideration of methomyl supervised field trial data.
FP	0230	Pear	0.3		5	01	35	Resulting from consideration of methomyl supervised field trial data.
VP	0063	Peas (pods and succulent=immature seeds)	5		CXL			Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VO	0051	Peppers	1		CXL	01		Withdrawal recommended (2001 JMPR)
FS	0014	Plums (including prunes)	1		5	01	35	Resulting from consideration of methomyl supervised field trial data.
FP	0009	Pome fruits	2		CXL			
VR	0589	Potato	0.1		CXL			
VR	0589	Potato	0.02	(*)	5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PM	0110	Poultry meat	0.02	(*)	5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
PO	0111	Poultry, Edible offal of	0.02	(*)	5	01	35	Resulting from consideration of methomyl+thiodicarb supervised field trial data.
SO	0495	Rape seed	0.05		5	01	35	Resulting from consideration of thiodicarb supervised field trial data.
AF	0651	Sorghum forage (green)	1		CXL			Resulting from consideration of methomyl supervised field trial data. Confirmed (2001 JMPR)
VD	0541	Soya bean (dry)	0.2		CXL			Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR)
AL	0541	Soya bean fodder	0.2		5	01	35	Resulting from consideration of methomyl supervised field trial data.
AL	1265	Soya bean forage (green)	10		CXL			
AL	1265	Soya bean forage (green)	40		3(a)	01	35	Resulting from consideration of methomyl supervised field trial data.
OC	0541	Soya bean oil, Crude	0.2		5	01	35	
OR	0541	Soya bean oil, Refined	0.2		5	01	35	
VL	0502	Spinach	5		CXL	01		Withdrawal recommended (2001 JMPR)

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AS	0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants	10	5	01	35	Resulting from consideration of methomyo+thiodicarb supervised field trial data.
VO	0447	Sweet corn (corn-on-the-cob)	2	CXL			Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD (2001 JMPR)
VO	0448	Tomato	1	CXL			Based on thiodicarb use Resulting from consideration of thiodicarb supervised field trial data. Confirmed (2001 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
VC	0432	Watermelon	0.2	CXL			To be replaced by MRL for cucurbits, fruiting vegetables (2001 JMPR)
GC	0654	Wheat	0.5	CXL			
GC	0654	Wheat	2	3(a)	01	35	Resulting from consideration of methomyl supervised field trial data.
CM	0654	Wheat bran, Unprocessed	3	3	01	35	
CF	1211	Wheat flour	0.03	3	01	35	
CF	1210	Wheat germ	2	3	01	35	
AS	0654	Wheat straw and fodder, Dry5		CXL			

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Part 1 - 97

**95 Acephate**

Main Uses 8 Insecticide

JMPR 76, 79R, 81R, 82T, 84, 87T, 88T, 90, 91, 94R, 96R, 02T', 03'R

ADI 0.01 mg/kg body weight (2002)

AcuteRfD 0.05 mg/kg body weight (2002)

RESIDUE Acephate: for compliance with MRLs for plant and animal commodities. Acephate and methamidophos: for estimation of dietary intake.

Note Previous ADI: 0.03 mg/kg bw (1988; confirmed 1990).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
AL	1021 Alfalfa forage (green)	10	CXL			Withdrawal recommended (JMPR 2003)
VS	0620 Artichoke, Globe	0.3	3	2003		
VP	0061 Beans, except broad bean and soya bean		3	2003		The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below.
VB	0400 Broccoli	2	CXL			Withdrawal recommended (JMPR 2003)
VB	0041 Cabbages, Head	2	CXL			Withdrawal recommended (JMPR 2003)
MF	0812 Cattle fat	0.1	CXL			Withdrawal recommended (JMPR 2003)
MM	0812 Cattle meat	0.1	CXL			Withdrawal recommended (JMPR 2003)
VB	0404 Cauliflower	2	CXL			Withdrawal recommended (JMPR 2003)
SO	0691 Cotton seed	2	CXL			Withdrawal recommended (JMPR 2003)
MO	0105 Edible offal (mammalian)	0.05	3	2003		
PE	0112 Eggs	0.1	CXL			
PE	0112 Eggs	0.01 (*)	3	2003		Animal commodity, no residues expected from consumption of feed commodities with acephate residues as evaluated by JMPR

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VB	0042	Flowerhead brassicas	2	3	2003	1. The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. 2. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for general population.
						1. The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. 2. The information provided precludes an estimate that the dietary intake would be below the acute RfD for general population.
VL	0482	Lettuce, Head	5	CXL		Withdrawal recommended (JMPR 2003)
FC	0003	Mandarins	7	3	2003	1. The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. 2. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for general population.
MM	0095	Meat (from mammals other than marine mammals)	0.05	3	03	
ML	0106	Milks	0.1	CXL		
ML	0106	Milks	0.02	3	03	
FS	0245	Nectarine	2	3	03	The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below.
FS	0247	Peach	2	3	03	The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below.
VO	0051	Peppers	5	3	03	1. The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. 2. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for general population.
MF	0818	Pig fat	0.1	CXL	03	Withdrawal recommended (JMPR 2003)
MM	0818	Pig meat	0.1	CXL	03	2003 JMPR: Withdrawal recommended

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FP	0009	Pome fruits	7	3	03	1. The information provided precludes an estimate that the dietary intake would be below the acute RfD for children six years and below. 2. The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for general population.
VR	0589	Potato	0.5	CXL	03	Withdrawal recommended (JMPR 2003)
PF	0111	Poultry fats	0.1	CXL		
PM	0110	Poultry meat	0.1	CXL		
PM	0110	Poultry meat	0.01(*)	3	03	Animal commodity, no residues expected from consumption of feed commodities with acephate residues as evaluated by JMPR
PO	0111	Poultry, Edible offal of	0.01 (*)	3	03	Animal commodity, no residues expected from consumption of feed commodities with acephate residues as evaluated by JMPR
VD	0541	Soya bean (dry)	0.5	CXL		
VD	0541	Soya bean (dry)	0.3	3	03	
VR	0596	Sugar beet	0.1	CXL	03	Withdrawal recommended (JMPR 2003)
AV	0596	Sugar beet leaves or tops	10	CXL	03	Withdrawal recommended (JMPR 2003)
VO	0448	Tomato	1	CXL	03	Withdrawal recommended (JMPR 2003)
FT	0312	Tree tomato	0.5	CXL	03	Withdrawal recommended (JMPR 2003)

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Part 1 - 100

**96 Carbofuran**

Main Uses 8 Insecticide

JMPR 76, 79, 80T, 82T, 91R, 93R, 96T', 97R', (02), 03R

ADI 0.01 mg/kg body weight (1996)

AcuteRfD 0.02 mg/kg body weight (2003)

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

Note The 1999 JMPR concluded that a group MRL for citrus fruits could not be recommended since there was no registered use of carbofuran on citrus fruits and there were registered uses for carbosulfan solely on oranges and mandarins.

CCPR 35 asked the WHO GEMS/FOOD to perform a full acute intake assessment based on all commodities (para93).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	10		CXL			
AL	1021 Alfalfa forage (green)	10		CXL			
FI	0327 Banana	0.1	(*)	CXL			Confirmed (1997 JMPR).
VC	4199 Cantaloupe	0.2		6	97	33	Returned to Step 6 due to intake concerns (32.116)
MF	0812 Cattle fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
AB	0001 Citrus pulp, Dry	2		CXL			Based on the use of carbosulfan.
SB	0716 Coffee beans	1		CXL			
SO	0691 Cotton seed	0.1		5	02	35	
VC	0424 Cucumber	0.3		6	97	33	Returned to Step 6 due to intake concerns (32.116)
MO	0096 Edible offal of cattle, goats, horses, pigs & sheep	0.05	(*)	CXL			Confirmed (1997 JMPR).
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)
GC	0645 Maize	0.05*		3	03		2003 JMPR : the estimates for carbofuran results from the use of carbosulfan. Previous JMPR - Withdrawal recommended.
AS	0645 Maize fodder	5	fresh wt	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
AF	0645 Maize forage	0.2		3	03		2003 JMPR : the estimates for carbofuran results from the use of carbosulfan
FC	0206 Mandarin	0.5		6	99	33	Based on the use of carbosulfan.

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MM	0096	Meat of cattle, goats, horses, pigs & sheep	0.05	(*)	CXL			Confirmed (1997 JMPR).
ML	0106	Milks	0.05	(*)	CXL			Confirmed (1997 JMPR).
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)
FC	0004	Oranges, Sweet, Sour	0.5		6	97	33	Based on the use of carbosulfan. Returned to Step 6 due to intake concerns (32.116)
MF	0818	Pig fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
VR	0589	Potato	0.1	(*)	CXL			
VR	0589	Potato	0.2		3	03		2003 JMPR : the estimates for carbofuran results from the use of carbosulfan. Previous JMPR: 0.1*
SO	0495	Rape seed	0.05	(*)	5	02	35	
AS	0649	Rice straw and fodder, Dry	1		5	02	35	
CM	0649	Rice, Husked	0.2		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained for 4 years under the Periodic Review Procedure (31.76)
CM	0649	Rice, Husked	0.1		5	02	35	
MF	0822	Sheep fat	0.05	(*)	CXL			Confirmed (1997 JMPR).
GC	0651	Sorghum	0.1	(*)	CXL			Confirmed (1997 & 1999 JMPR).
AF	0651	Sorghum forage (green)	2		CXL			
AS	0651	Sorghum straw and fodder, Dry	0.5		CXL			
VC	0431	Squash, Summer	0.3		6	97	33	Returned to Step 6 due to intake concerns (32.116)
VR	0596	Sugar beet	0.2		3	03		2003 JMPR : the estimates for carbofuran results from the use of carbosulfan. Previous JMPR - Withdrawal recommended.
AV	0596	Sugar beet leaves or tops	0.3		3	03		2003 JMPR : the estimates for carbofuran results from the use of carbosulfan. Previous JMPR - Withdrawal recommended
GS	0659	Sugar cane	0.1	(*)	CXL			Confirmed (1997 JMPR).
SO	0702	Sunflower seed	0.1	(*)	CXL			
VO	0447	Sweet corn (corn-on-the-cob)	0.1		6	97	33	Confirmed (1999 JMPR). Returned to Step 6 due to intake concerns (32.116) . The 2002 JMPR confirmed the MRL at 0.1 mg/kg.

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Part 1 - 102

**100 Methamidophos**

Main Uses 8 Insecticide

JMPR 76, 79R, 81R, 82, 84R, 85T, 89R, 90, 94R, 96R, 97R, 02T',03

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

AcuteRfD 0.01 mg/kg body weight (2002)

RESIDUE Methamidophos.

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

**Note** The 30th CCPR noted that data on tomato were available and would be submitted. The new data might support a lower limit. (30.55). The CCPR-32 requested detailed information on support for methamidophos/acephate. The CCPR-33 should consider deletion of the MRLs for commodities not supported by the USA and EC (information to be provided before the CCPR-33)(32.117)

The CCPR-33 was informed that the MRLs for cucumber, cauliflower, cabbages, head, cotton seed, peach, peppers (chili and sweet), pome fruits, potato, soya bean (dry), sugar beet, sugar beet leaves or tops, tomato would be supported but those for Brussels sprouts, celery, hops (dry), lettuce, head, rapeseed, tree tomato, watermelon were no longer supported. CXLs for cattle fat and meat, sheep fat and meat, goat fat and meat, milks, alfalfa forage (green), lettuce, head, and tree tomato were retained for animal feed use and/or links to acephate uses. (33.140-141).

Commodity Code	Commodity Name		MRL	Step	JMPR	CCPR	Note
	Code	Name					
AL	1021	Alfalfa forage (green)	2	CXL			Based on treatment with acephate.
AL	1021	Alfalfa forage (green)			03		2003 JMPR: Withdrawal recommended
VS	0620	Artichoke, Globe	0.2(Ac)	3	03		
VP	0061	Beans, except broad bean and soya bean	1(Ac)	3	03		This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
VB	0041	Cabbages, Head	0.5	CXL			Based on treatment with methamidophos or acephate.
VB	0041	Cabbages, Head	1	3	03		Previous MRL: 0.5
MF	0812	Cattle fat	0.01 (*)	CXL			
MF	0812	Cattle fat			03		2003 JMPR: Withdrawal recommended. Previous MRL
MM	0812	Cattle meat	0.01 (*)	CXL			
MM	0812	Cattle meat		3	03		2003 JMPR: Withdrawal recommended. Previous MRL
VB	0404	Cauliflower	0.5	CXL			Based on treatment with methamidophos or acephate.
VB	0404	Cauliflower			03		2003 JMPR: Withdrawal recommended. Previous MRL 0.5.
SO	0691	Cotton seed	0.1	CXL			Including residues resulting from the use of acephate.
SO	0691	Cotton seed	0.2	3	03		Previous MRL: 0.1
VC	0424	Cucumber	1	CXL			



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MO	0105	Edible offal (mammalian)	0.01	(*)	3	03	
PE	0112	Eggs	0.01	(*)	3	0.3	Animal commodity, no residues expected from consumption of feed commodities with acephate residues as evaluated by JMPR 2003.
VB	0042	Flowerhead brassicas	0.5(Ac)		3	03	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
AM	1051	Fodder beet	30		3	03	
AV	1051	Fodder beet leaves or tops	0.02		3	03	
MF	0814	Goat fat	0.01	(*)	CXL		
MF	0814	Goat fat				03	2003 JMPR: Withdrawal recommended
MM	0814	Goat meat	0.01	(*)	CXL		
MM	0814	Goat meat				03	2003 JMPR: Withdrawal recommended.
VL	0482	Lettuce, Head	1		CXL		
VL	0482	Lettuce, Head				03	2003 JMPR: Withdrawal recommended.
VL	0482	Lettuce, Head				03	2003 JMPR: Withdrawal recommended.
FC	0003	Mandarins	0.5(Ac)		3	03	JMPR 2003: This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
MM	0095	Meat (from mammals other than marine mammals)	0.01	(*)	3	03	
ML	0106	Milks	0.01	(*)	CXL		
ML	0106	Milks	0.02		3	03	Previous MRL 0.01*
FS	0245	Nectarine	0.5(Ac)		3	03	This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
FS	0247	Peach	1		6	96	Based on the residues from the use of methamidophos. Returned to Step 6 due to intake concerns (32.118)

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FS	0247	Peach	0.05(Ac)		3	03			This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
VO	0051	Peppers	2(Ac)		3	03			
VO	0444	Peppers, Chili	2		CXL				
VO	0444	Peppers, Chili				03			2003 JMPR: Withdrawal recommended
VO	0445	Peppers, Sweet	1		CXL				
VO	0445	Peppers, Sweet				03			2003 JMPR: Withdrawal recommended
MF	0818	Pig fat				03			2003 JMPR: Withdrawal recommended
MM	0818	Pig meat				03			2003 JMPR: Withdrawal recommended
FP	0009	Pome fruits	0.5		6	94, 97	33		Confirmed (1997 JMPR). Returned to Step 6 due to intake concerns (32.118)
FP	0009	Pome fruits	0.5(Ac)		3	03			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate. This recommendation arises from the use of acephate. The information provided to the JMPR precludes an estimate that the dietary intake for acephate (acephate and methamidophos) would be below the acute RfD for acephate, see acephate.
VR	0589	Potato	0.05		CXL				Including residues resulting from the use of acephate.
VR	0589	Potato	0.05		3	03			Previous MRL: 0.05
PM	0110	Poultry meat	0.01	(*)	3	03			Animal commodity, no residues expected from consumption of feed commodities with acephate as evaluated by 2003 JMPR.
PM	0110	Poultry meat							
PO	0111	Poultry, Edible offal of	0.01	(*)	3	03			Animal commodity, no residues expected from consumption of feed commodities with acephate residues as evaluated by JMPR 2003.
MF	0822	Sheep fat	0.01	(*)	CXL				
MF	0822	Sheep fat				03			2003 JMPR: Withdrawal recommended.
MM	0822	Sheep meat	0.01	(*)	CXL				
MM	0822	Sheep meat				03			2003 JMPR: Withdrawal recommended
VD	0541	Soya bean (dry)	0.05		CXL				Based on treatment with acephate.
VD	0541	Soya bean (dry)	0.1(Ac)		3	03			

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VR	0596	Sugar beet	0.05		CXL				
VR	0596	Sugar beet	0.002		3	03			
AV	0596	Sugar beet leaves or tops	1		CXL				
AV	0596	Sugar beet leaves or tops	30		3	0.3			
VO	0448	Tomato	1		6	96	33		Based on residues from the use of methamidophos or acephate. Returned to Step 6 due to intake concerns (32.118)
VO	0448	Tomato	2		3	03			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD.
FT	0312	Tree tomato	0.01	(*)	CXL				Based on treatment with acephate.
FT	0312	Tree tomato				03			2003 JMPR: Withdrawal recommended

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

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

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**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	Step	JMPR	CCPR	Note
Code	Name					
VA	0381 Garlic	15	CXL			
VA	0385 Onion, Bulb	15	CXL			Confirmed (1998 JMPR).
VR	0589 Potato	50	CXL			Confirmed (1998 JMPR).
VA	0388 Shallot	15	CXL			

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**103 Phosmet**

Main Uses 8 Insecticide

JMPR 76R, 78, 79, 81R, 84R, 85R, 86R, 88R, 94T', 97R', 98T, 02R, 03T

ADI 0-0.01 mg/kg body weight (1994; confirmed 1998)

AcuteRfD 0.2 mg/kg body weight (2003)

RESIDUE Phosmet.

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	10	CXL	97	31	Confirmed (1997 JMPR). To be replaced by the MRL for pome fruits (2002 JMPR).
FS 0240	Apricot	5	CXL			
FS 0240	Apricot	10	6(a)	97	33	Returned to current Step
FB 0020	Blueberries	10	CXL	97	32	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
FB 0020	Blueberries	15	5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC 0001	Citrus fruits	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
FC 0001	Citrus fruits	3	5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
SO 0691	Cotton seed	0.05	CXL			
FB 0269	Grapes	10	CXL			Confirmed (1997 JMPR).
FS 0245	Nectarine	5	CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (31.119)
FS 0245	Nectarine	10	5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FS 0247	Peach	10	CXL		31	Confirmed (1997 JMPR).

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FP	0230	Pear	10		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119). To be replaced by the MRL for pome fruits.
FP	0009	Pome fruits	10		5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VR	0589	Potato	0.05	(*)	CXL			
TN	0085	Tree nuts	0.1		CXL	97	31	Withdrawal recommended (1997 JMPR). Retained under the Periodic Review pending information on the support (31.81). Support confirmed (32.119)
TN	0085	Tree nuts	0.2		5	02	35	



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

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

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FB	0275	Strawberry	5		H	CXL	Source of data: thiram
VR	0596	Sugar beet	0.5		C, n	CXL	Source of data: mancozeb, maneb
AV	0596	Sugar beet leaves or tops	20		C, n	CXL	Source of data: mancozeb, maneb
VO	0447	Sweet corn (corn-on-the-cob)	0.1	(*)	c	CXL	Source of data: mancozeb
VO	0448	Tomato	5		C, m, n, p	CXL	Source of data: mancozeb, metiram, maneb, propineb
VC	0432	Watermelon	1		c, N	CXL	Source of data: maneb, mancozeb
GC	0654	Wheat	1		C, n, m	CXL	Source of data: mancozeb, maneb, metiram
AS	0654	Wheat straw and fodder, Dry25			C, n, m	CXL	Source of data: mancozeb, maneb, metiram
VC	0433	Winter squash	0.1		c	CXL	Source of data: mancozeb

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**106 Ethephon**

Main Uses 16 Plant Growth Regulator

JMPR 77, 78, 83R, 85R, 93T, 94R<sup>1</sup>, 95T, 97T, 99R (02T)

ADI 0.05 mg/kg body weight (1993; confirmed 1995, 1997)

AcuteRfD 0.05 mg/kg body weight (2002)

RESIDUE Ethephon.

Note Before the establishment of an ADI in 1993, the CCPR was considering guideline levels.  
CCPR 35: consider acute intake.

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	5	CXL			
GC 0640	Barley	1	CXL			
AS 0640	Barley straw and fodder,	5	CXL			
FB 0020	Blueberries	20	CXL			
VC 4199	Cantaloupe	1	CXL			
FS 0013	Cherries	10	CXL			
PE 0840	Chicken eggs	0.2 (*)	CXL			
SO 0691	Cotton seed	2	CXL			
DF 0269	Dried grapes (=currants, raisins and sultanas)	5	CXL	99	35	Returned to current Step
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.2 (*)	CXL			
DF 0297	Figs, Dried or dried and candied	10	CXL			
FB 0269	Grapes	1	CXL			
TN 0666	Hazelnuts	0.2	CXL			
MM 0096	Meat of cattle, goats, horses, pigs & sheep	0.1 (*)	CXL			
ML 0107	Milk of cattle, goats & sheep	0.05 (*)	CXL			
VO 0051	Peppers	5	CXL			
FI 0353	Pineapple	2	CXL			
PM 0110	Poultry meat	0.1 (*)	CXL			
PO 0111	Poultry, Edible offal of	0.2 (*)	CXL			

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GC	0650	Rye	1
AS	0650	Rye straw and fodder, Dry	5
VO	0448	Tomato	2
TN	0678	Walnuts	0.5
GC	0654	Wheat	1
AS	0654	Wheat straw and fodder, Dry5	

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

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**110 Imazalil**

Main Uses 5 Fungicide

JMPR 77, 80, 84, 85, 86T, 88R, 89R, 91T, 94R, 00T, 01T

ADI 0.03 mg/kg body weight (1991; confirmed 2000, 2001)

RESIDUE Imazalil.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FI 0327	Banana	2	Po	CXL			
FC 0001	Citrus fruits	5	Po	CXL			
VC 0424	Cucumber	0.5		CXL			
VC 0425	Gherkin	0.5		CXL			
VC 0046	Melons, except watermelon	2	Po	CXL			
FT 0307	Persimmon, Japanese	2	Po	CXL			
FP 0009	Pome fruits	5	Po	CXL			
VR 0589	Potato	5	Po	CXL			
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			

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**111 Iprodione**

Main Uses 5 Fungicide

JMPR 77, 80R, 92T, 94R', 95T, 01R

ADI 0.06 mg/kg body weight (1995)

RESIDUE Iprodione.

Note Acute RfD may be necessary but has not been established (2001 JMPR).

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



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VO	0448	Tomato	5	CXL	94, 01	33	Retained for 4 years under the Periodic Review Procedure (28.65). Retained beyond the 4-year period as new indoor trials were being conducted and would be available for review by 2000 subject to scheduling for JMPR evaluation (31.86) The CCPR-32 agreed to retain the MRL further in view of residue evaluation by the 2001 JMPR (32.122). Confirmed (2001 JMPR).
VS	0469	Witloof chicory (sprouts)	1	CXL			Confirmed (1994 JMPR).

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**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		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			
AS 0645	Maize fodder	0.2		CXL		fresh wt	
AF 0645	Maize forage	0.2		CXL		fresh wt	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL			
ML 0106	Milks	0.05	(*)	CXL			
SO 0697	Peanut	0.1		CXL			
OC 0697	Peanut oil, Crude	0.05	(*)	CXL			
OR 0697	Peanut oil, Edible	0.05	(*)	CXL			
VR 0589	Potato	0.2		CXL			
GC 0651	Sorghum	0.05		CXL			
VD 0541	Soya bean (dry)	0.05		CXL			
VR 0596	Sugar beet	0.05		CXL			
AV 0596	Sugar beet leaves or tops	1		CXL			
VO 0447	Sweet corn (corn-on-the-cob)	0.05		CXL			
GC 0654	Wheat	0.05		CXL			

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**113 Propargite**

Main Uses 1 Acaricide

JMPR 77, 78R, 79R, 80, 82, 99T<sup>1</sup>, 02R<sup>1</sup>

ADI 0.01 mg/kg body weight (1999)

RESIDUE Propargite (fat-soluble).

Note CCPR 35: consider deletion of CXLs as recommended by JMPR 2002 at its 36th session.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	75		CXL	02		Withdrawal recommended (2002 JMPR).
AL	1021 Alfalfa forage (green)	50		CXL	02		Withdrawal recommended (2002 JMPR).
AM	0660 Almond hulls	50		5	02	35	
TN	0660 Almonds	0.1	(*)	CXL			
TN	0660 Almonds	0.1	(*)	5	02		
FP	0226 Apple	5		CXL			
FP	0226 Apple	3		5	02	35	
JF	0226 Apple juice	0.2		5	02	35	
AB	0226 Apple pomace, Dry	80		CXL	02		Withdrawal recommended (2002 JMPR).
FS	0240 Apricot	7		CXL			To be replaced by the MRL for stone fruits (2002 JMPR).
VD	0071 Beans (dry)	0.2		CXL	02		Withdrawal recommended (2002 JMPR).
FC	0001 Citrus fruits	5		CXL			
FC	0001 Citrus fruits	3		5	02	35	
AB	0001 Citrus pulp, Dry	40		CXL			
AB	0001 Citrus pulp, Dry	10		5	02	35	
VP	0526 Common bean (pods and/or immature seeds)	20		CXL	02		Withdrawal recommended (2002 JMPR).
SO	0691 Cotton seed	0.1	(*)	CXL			
SO	0691 Cotton seed	0.1		5	02	35	
OR	0691 Cotton seed oil, Edible	0.2		5	02	35	
FB	0265 Cranberry	10		CXL	02		Withdrawal recommended (2002 JMPR).
VC	0424 Cucumber	0.5		CXL	02		Withdrawal recommended (2002 JMPR).
DF	0269 Dried grapes (=currants, raisins and sultanas)	10		CXL			

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DF	0269	Dried grapes (=currants, raisins and sultanas)	12		5	02	35	
MO	0105	Edible offal (mammalian)	0.1	(*)	5	02	35	
PE	0112	Eggs	0.1		CXL			
PE	0112	Eggs	0.1	(*)	5	02	35	
FT	0297	Fig	2		CXL	02		Withdrawal recommended (2002 JMPR).
JF	0269	Grape juice	1		5	02	35	
AB	0269	Grape pomace, Dry	40		CXL	02		Confirmed (2002 JMPR)
FB	0269	Grapes	10		CXL			
FB	0269	Grapes	7		5	02	35	
DH	1100	Hops, Dry	30		CXL			
DH	1100	Hops, Dry	100		5	02	35	
GC	0645	Maize	0.1	(*)	CXL	02		Confirmed (2002 JMPR)
CF	1255	Maize flour	0.2		5	02	35	
AS	0645	Maize fodder	10		CXL	02		Withdrawal recommended (2002 JMPR).
AF	0645	Maize forage	10		CXL	02		Withdrawal recommended (2002 JMPR).
OC	0645	Maize oil, Crude	0.7		5	02	35	
OR	0645	Maize oil, Edible	0.5		5	02	35	
MM	0095	Meat (from mammals other than marine mammals)	0.1	(fat)	CXL			
MM	0095	Meat (from mammals other than marine mammals)	0.1	(*) (fat)	5	02	35	
ML	0106	Milks	0.1	F	CXL			
ML	0106	Milks	0.1	(*) F	5	02	35	
AM	0738	Mint hay	50		CXL	02		Withdrawal recommended (2002 JMPR).
FS	0245	Nectarine	7		CXL			To be replaced by the MRL for stone fruits (2002 JMPR).
JF	0004	Orange juice	0.3		5	02	35	
FS	0247	Peach	7		CXL			To be replaced by the MRL for stone fruits (2002 JMPR).
SO	0697	Peanut	0.1	(*)	CXL	02		Confirmed (2002 JMPR)
AL	0697	Peanut fodder	10		CXL	02		Withdrawal recommended (2002 JMPR).
AL	1270	Peanut forage (green)	10	fresh wt	CXL	02		Withdrawal recommended (2002 JMPR).
OC	0697	Peanut oil, Crude	0.3		5	02	35	
OR	0697	Peanut oil, Edible	0.3		5	02	35	

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FP	0230	Pear	5		CXL	02			Withdrawal recommended (2002 JMPR).
FS	0014	Plums (including prunes)	7		CXL				To be replaced by the MRL for stone fruits (2002 JMPR)
VR	0589	Potato	0.1	(*)	CXL	02			Withdrawal recommended (2002 JMPR).
PM	0110	Poultry meat	0.1	(fat)	CXL				
PM	0110	Poultry meat	0.1	(*)	5	02	35		
PO	0111	Poultry, Edible offal of	0.1	(*)	5	02	35		
GC	0651	Sorghum	5		CXL	02			Withdrawal recommended (2002 JMPR).
AF	0651	Sorghum forage (green)	10		CXL	02			Withdrawal recommended (2002 JMPR).
AS	0651	Sorghum straw and fodder, Dry	10		CXL	02			Withdrawal recommended (2002 JMPR).
FS	0012	Stone fruits	4		5	02	35		
FB	0275	Strawberry	7		CXL	02			Withdrawal recommended (2002 JMPR).
DT	1114	Tea, Green, Black	10		CXL				
DT	1114	Tea, Green, Black	5		5	02	35		
VO	0448	Tomato	2		CXL	02			Confirmed (2002 JMPR).
TN	0678	Walnuts	0.1	(*)	CXL	02			Withdrawal recommended (2002 JMPR).

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**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		Step	JMPR	CCPR	Note
Code	Name						
VR	0589 Potato	20	Po	CXL			Washed before analysis.

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**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		MRL	Step	JMPR	CCPR	Note
Code	Name					
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			

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**117 Aldicarb**

Main Uses 8 Insecticide

JMPR 79, 82, 85R, 88R, 90R, 92T, 93R, 94R', 95T, 96R, 01R

ADI 0.003 mg/kg body weight (1992)

AcuteRfD 0.003 mg/kg body weight (1995)

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

Note The CCPR-30 was informed that an example of a probabilistic method for estimating acute dietary intake would be provided to the JMPR (30.69).  
CCPR 35: consider acute intake for banana and potato.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
FI	0327 Banana	0.2		5	01	35	
GC	0640 Barley	0.02		CXL			
AS	0640 Barley straw and fodder,	0.05		CXL			
VD	0071 Beans (dry)	0.1		CXL			Confirmed (1994 JMPR).
VB	0402 Brussels sprouts	0.1		CXL			
FC	0001 Citrus fruits	0.2		CXL			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			
FB	0269 Grapes	0.2		CXL			
GC	0645 Maize	0.05		CXL			Confirmed (1994 JMPR).
AS	0645 Maize fodder	0.5		CXL			
AF	0645 Maize forage	0.5		CXL			
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			
SO	0697 Peanut	0.02		CXL			
OR	0697 Peanut oil, Edible	0.01	(*)	CXL			
TN	0672 Pecan	1		CXL			
VR	0589 Potato	0.5	T	CXL			



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VR	0589	Potato	0.5		6(a)	96, 01	33	The 1996 JMPR converted the previous temporary status to full status. Confirmed (2001 JMPR).
GC	0651	Sorghum	0.1		CXL			
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			
SO	0702	Sunflower seed	0.05	(*)	CXL			
VR	0508	Sweet potato	0.1		CXL			Confirmed (1994 JMPR).
GC	0654	Wheat	0.02		CXL			
AS	0654	Wheat straw and fodder, Dry	0.05		CXL			

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**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		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	0.5		CXL			
VB 0040	Brassica vegetables	1		CXL			
FS 0013	Cherries	1		CXL			
FC 0001	Citrus fruits	2		CXL			
SB 0716	Coffee beans	0.05	(*)	CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.5		CXL			
VC 0424	Cucumber	0.2		CXL			
MO 0105	Edible offal (mammalian)	0.05	(*)	CXL			The MRL accommodates external animal treatment.
VO 0440	Egg plant	0.2		CXL			
PE 0112	Eggs	0.05	(*)	CXL			
VL 0480	Kale	1		CXL			
VA 0384	Leek	0.5		CXL			
VL 0482	Lettuce, Head	2		CXL			
GC 0645	Maize	0.05	(*)	CXL			
AS 0645	Maize fodder	5	dry wt	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.2	(fat)	CXL			The MRL accommodates external animal treatment.
ML 0106	Milks	0.05	F	CXL			The MRL accommodates external animal treatment.

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VO	0450	Mushrooms	0.05	(*)	CXL
FS	0245	Nectarine	2		CXL
SO	0089	Oilseed, except peanut	0.2		CXL
VA	0385	Onion, Bulb	0.1		CXL
FS	0247	Peach	2		CXL
SO	0697	Peanut	0.05	(*)	CXL
VP	0063	Peas (pods and succulent=immature seeds)	0.05	(*)	CXL
VO	0051	Peppers	0.5		CXL
FS	0014	Plums (including prunes)	1		CXL
FP	0009	Pome fruits	2		CXL
PM	0110	Poultry meat	0.05	(*)	CXL
VR	0075	Root and tuber vegetables	0.05	(*)	CXL
AS	0651	Sorghum straw and fodder, Dry	5		CXL
VD	0541	Soya bean (dry)	0.05	(*)	CXL
VL	0502	Spinach	2		CXL
VO	0447	Sweet corn (corn-on-the-cob)	0.05	(*)	CXL
DT	1114	Tea, Green, Black	20		CXL
VO	0448	Tomato	0.5		CXL
OR	0172	Vegetable oils, Edible	0.5		CXL
GC	0654	Wheat	0.2		CXL
AS	0654	Wheat straw and fodder, Dry5			CXL

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**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).

Code	Commodity Name	MRL		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	1		CXL			
VB	0400 Broccoli	2		CXL			
VB	0402 Brussels sprouts	2		CXL			
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			

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

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**120 Permethrin**

Main Uses 8 Insecticide

JMPR 79, 80R, 81, 82R, 83R, 84R, 85R, 86, 87T, 88R, 89R, 91R, 99T

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

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

ADI applies to technical grade permethrin with cis:trans ratios of 25:75 to 40:60.

Note Permethrin was reviewed by the 54th JECFA (February 2000) but as a different formulation (cis:trans ration of 80:20) was used for veterinary applications, it did not make any proposals on ADI or MRLs.

The CCPR-32 requested detailed information on support for permethrin. The CCPR-33 should consider revocation of all Codex MRLs for commodities which would not be supported.(32.127).

The CCPR-33 was informed that 30 to 40 commodities would be supported. It decided to retain all CXLs pending review at its next session (33.148).

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

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

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



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**122 Amitraz**

Main Uses 8 Insecticide

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

ADI 0.01 mg/kg body weight (1998)

AcuteRfD 0.01 mg/kg body weight (1998)

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

Note Previous ADI 0.003 mg/kg bw (1984, confirmed 1990).

In view of the lack of responses to repeated requests to submit information on national residue definitions to the JMPR, the 26th CCPR agreed to maintain the residue definition as currently defined (26.224).

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
MM 0812	Cattle meat	0.05	CXL			The MRL accommodates external animal treatment.
FS 0013	Cherries	0.5	CXL			
SO 0691	Cotton seed	0.5	CXL			
OC 0691	Cotton seed oil, Crude	0.05	CXL			
VC 0424	Cucumber	0.5	CXL			
MO 0097	Edible offal of cattle, pigs & sheep	0.2	CXL			The MRL accommodates external animal treatment.
ML 0106	Milks	0.01 (*)	CXL			The MRL accommodates external animal treatment.
FC 0004	Oranges, Sweet, Sour	0.5	CXL			
FS 0247	Peach	0.5	CXL			
MM 0818	Pig meat	0.05	CXL			The MRL accommodates external animal treatment.
FP 0009	Pome fruits	0.5	CXL			
MM 0822	Sheep meat	0.1	CXL			The MRL accommodates external animal treatment.
VO 0448	Tomato	0.5	CXL			

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**126 Oxamyl**

Main Uses 8 Insecticide

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

ADI 0.009 mg/kg body weight (2002)

AcuteRfD 0.009 mg/kg body weight (2002)

RESIDUE Sum of oxamyl and oxamyl oxime expressed as oxamyl.

Note Previous ADI, 0.3 mg/kg-bw (1984).

CCPR 35: consider deletion of CXLs as proposed by JMPR 2002 at the 36th CCPR.

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	2	CXL	02		Confirmed (2002 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FI 0327	Banana	0.2	CXL	02		Withdrawal recommended (2002 JMPR).
VP 0061	Beans, except broad bean and soya bean	0.2	CXL	02		Withdrawal recommended (2002 JMPR).
VR 0577	Carrot	0.1	5	02	35	
VS 0624	Celery	5	CXL	02		Withdrawal recommended (2002 JMPR).
FC 0001	Citrus fruits	5	CXL			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
FC 0001	Citrus fruits	3	5	02	35	
SB 0716	Coffee beans	0.1	CXL	02		Withdrawal recommended (2002 JMPR).
SO 0691	Cotton seed	0.2	CXL	02		Confirmed (2002 JMPR).
VC 0424	Cucumber	2	CXL			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC 0424	Cucumber	1	5	02	35	
MO 0096	Edible offal of cattle, goats, horses, pigs & sheep	0.02 (*)	5	02	35	
PE 0112	Eggs	0.02 (*)	5	02	35	
GC 0645	Maize	0.05 (*)	CXL	02		Withdrawal recommended (2002 JMPR).
MM 0095	Meat (from mammals other than marine mammals)	0.02 (*)	5	02	35	

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VC	0046	Melons, except watermelon	2		CXL	02			The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC	0046	Melons, except watermelon	1		5	02	35		The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
ML	0106	Milks	0.02	(*)	5	02	35		
VA	0385	Onion, Bulb	0.05	(*)	CXL	02			Withdrawal recommended (2002 JMPR).
SO	0697	Peanut	0.1		CXL				
SO	0697	Peanut	0.05		5	02	35		
AL	0697	Peanut fodder	2		CXL				
AL	0697	Peanut fodder	0.2		5	02	35		
VO	0051	Peppers	5		5	02	35		
VO	0445	Peppers, Sweet	2		CXL				To be replaced by the MRL for peppers (2002 JMPR).
FI	0353	Pineapple	1		CXL	02			
VR	0589	Potato	0.1		5	02	35		
PM	0110	Poultry meat	0.02	(*)	5	02	35		
PO	0111	Poultry, Edible offal of	0.02	(*)	5	02	35		
VR	0075	Root and tuber vegetables	0.1		CXL				To be replaced by the MRLs for carrot and potato (2002 JMPR)
VD	0541	Soya bean (dry)	0.1		CXL	02			Withdrawal recommended (2002 JMPR).
VC	0431	Squash, Summer	2		CXL	02			Withdrawal recommended (2002 JMPR).
GS	0659	Sugar cane	0.05	(*)	CXL				Withdrawal recommended (2002 JMPR).
VO	0448	Tomato	2		CXL				Confirmed (2002 JMPR). The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VC	0432	Watermelon	2		CXL	02			Withdrawal recommended (2002 JMPR).

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**129 Azocyclotin**

Main Uses 1 Acaricide

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

ADI 0.007 mg/kg body weight (1994)

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

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

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	2	7C	82, 89, 91	33	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			
FB 0269	Grapes	0.2	CXL			Support confirmed (32.129)
MM 0095	Meat (from mammals other than marine mammals)	0.2	CXL			
AO3 0001	Milk products	0.05 (*)	CXL			The MRL accommodates external animal treatment.
ML 0106	Milks	0.05 (*)	CXL			The MRL accommodates external animal treatment.
FS 0245	Nectarine	1	7C	91	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	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	32	Not adopted at Step 8 by the CAC-20. The CCPR requested information on the availability of residue data to support a re-evaluation by a future JMPR (26.234).
FS 0014	Plums (including prunes)	2	7C	91	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).

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**130 Diflubenzuron**

Main Uses 8 Insecticide

JMPR 81, 83R, 84, 85, 88R, 01T, 02R'

ADI 0.02 mg/kg body weight (1985)

RESIDUE Diflubenzuron (fat-soluble).

Note The 2002 JMPR changed the residue definition (previously diflubenzuron).

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FP 0226	Apple	1	CXL			To be replaced by the MRL for pome fruits (2002 JMPR)
VB 0402	Brussels sprouts	1	CXL	02		Withdrawal recommended (2002 JMPR)
VB 0041	Cabbages, Head	1	CXL	02		Withdrawal recommended (2002 JMPR)
FC 0001	Citrus fruits	1	CXL			
FC 0001	Citrus fruits	0.5	5	02	35	
SO 0691	Cotton seed	0.2	CXL	02		Withdrawal recommended (2002 JMPR)
MO 0105	Edible offal (mammalian)	0.05 (*)	CXL			
MO 0105	Edible offal (mammalian)	0.1 (*)	5	02	35	
PE 0112	Eggs	0.05 (*)	CXL	02		Confirmed (2002 JMPR)
MM 0095	Meat (from mammals other than marine mammals)	0.05 (*)	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.1 (fat)	5	02	35	
ML 0106	Milks	0.05 (*)	CXL			
ML 0106	Milks	0.02 (*) F	5	02	35	
VO 0450	Mushrooms	0.1	CXL			
VO 0450	Mushrooms	0.3	5	02	35	
FP 0230	Pear	1	CXL			To be replaced by the MRL for pome fruits (2002 JMPR)
FS 0014	Plums (including prunes)	1	CXL	02		Withdrawal recommended (2002 JMPR)
FP 0009	Pome fruits	5	5	02	35	
PM 0110	Poultry meat	0.05 (*)	CXL			
PM 0110	Poultry meat	0.05 (*) (fat)	5	02	35	
GC 0649	Rice	0.01 (*)	5	02	35	
AS 0649	Rice straw and fodder, Dry	0.7	5	02	35	

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VD	0541	Soya bean (dry)	0.1
VO	0448	Tomato	1

CXL	02
CXL	02

Withdrawal recommended (2002 JMPR)  
Withdrawal recommended (2002 JMPR)

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**132 Methiocarb**

Main Uses 8 Insecticide

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

ADI 0.02 mg/kg body weight (1998)

AcuteRfD 0.02 mg/kg body weight (1998)

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

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

The CCPR-33 was informed that studies on storage stability would be made available at the end of 2002 and data would be provided to support artichoke globe, rapeseed, sugar beet and sweet corn (corn-on-the-web).(33.153)

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FB 0275	Strawberry	1	CXL	99	34	

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



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FP	0009	Pome fruits	0.5		CXL
PM	0110	Poultry meat	0.05	(*)	CXL
FB	0272	Raspberries, Red, Black	1		CXL
GC	0650	Rye	0.1		CXL
AS	0650	Rye straw and fodder, Dry	2		CXL
VA	0389	Spring onion	0.05	(*)	CXL
FB	0275	Strawberry	0.1		CXL
VR	0596	Sugar beet	0.1	(*)	CXL
AV	0596	Sugar beet leaves or tops	2		CXL
VO	0448	Tomato	0.2		CXL
GC	0654	Wheat	0.1		CXL
AS	0654	Wheat straw and fodder, Dry2			CXL

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**135 Deltamethrin**

Main Uses 8 Insecticide

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

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

AcuteRfD 0.05 mg/kg body weight (2000)

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

**Note** The 52nd JECFA estimated the following MRLs arising from veterinary uses (residue definition: deltamethrin): Muscle of cattle, sheep, chickens and salmon, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Liver of cattle, sheep and chickens, 0.05 mg/kg; Kidney of cattle, sheep and chickens, 0.05 mg/kg; Fat of cattle, sheep and chickens, 0.5 mg/kg; Cattle milk, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method); Chicken eggs, 0.03 mg/kg (No residues were detected. MRLs for guidance only and are based on two times the limit of quantification of the analytical method).

The CCRVDF-12 (2000) retained them to Step 4.

The 2002 JMPR changed the residue definition (previously: deltamethrin (fat-soluble))

CCPR 35: consider deletion of the existing CXLs as recommended by 2002 JMPR at the 36 CCPR.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple	0.2		5	02	35	
VS 0620	Artichoke, Globe	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
FI 0327	Banana	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
VD 0071	Beans (dry)	1	Po	CXL			To be replaced by the MRL for pulses (2002 JMPR).
VB 0040	Brassica vegetables	0.2		CXL			To be replaced by the MRL for flowerhead brassicas (2002 JMPR).
VA 0036	Bulb vegetables, except fennel, bulb	0.1		CXL			To be replaced by the MRLs for leek and onion, bulb (2002 JMPR).
SB 0715	Cacao beans	0.05		CXL	02		Withdrawal recommended (2002 JMPR).
VR 0577	Carrot	0.02		5	02	35	
GC 0080	Cereal grains	1	Po	CXL			
GC 0080	Cereal grains	2	Po	5	02	35	
FC 0001	Citrus fruits	0.02		5	02	35	
SB 0716	Coffee beans	2	Po	CXL	02		Withdrawal recommended (2002 JMPR).
MO 0105	Edible offal (mammalian)	0.05		CXL	02		The MRL accommodates external animal treatment. Withdrawal recommended (2002 JMPR).

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PE	0112	Eggs	0.01	(*)		CXL			
PE	0112	Eggs	0.02	(*)		5	02	35	
VD	0561	Field pea (dry)	1		Po	CXL	02		To be replaced by the MRL for pulses (2002 JMPR).
FT	0297	Fig	0.01	(*)		CXL	02		Withdrawal recommended (2002 JMPR).
VB	0042	Flowerhead brassicas	0.1			5	02	35	
VO	0050	Fruiting vegetables other than cucurbits	0.2			CXL	02		Except mushrooms. Withdrawal recommended (2002
VC	0045	Fruiting vegetables, Cucurbits	0.2			CXL	02		Confirmed (2002JMPR).
FB	0269	Grapes	0.05			CXL			
FB	0269	Grapes	0.2			5	02	35	
TN	0666	Hazelnuts	0.02	(*)		5	02	35	
DH	1100	Hops, Dry	5			CXL	02		Withdrawal recommended (2002 JMPR).
MO	0098	Kidney of cattle, goats, pigs & sheep	0.03	(*)		5	02	35	
FI	0341	Kiwifruit	0.05			CXL	02		Withdrawal recommended (2002 JMPR).
VL	0053	Leafy vegetables	0.5			CXL			
VL	0053	Leafy vegetables	2			5	02	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acuteRfD (2002 JMPR).
VA	0384	Leek	0.2			5	02	35	
AL	0157	Legume animal feeds	0.5		dry wt	CXL	02		Withdrawal recommended (2002 JMPR).
VP	0060	Legume vegetables	0.1			CXL			
VP	0060	Legume vegetables	0.2			5	02	35	
VD	0533	Lentil (dry)	1		Po	CXL	02		To be replaced by the MRL for pulses (2002 JMPR).
MO	0099	Liver of cattle, goats, pigs & sheep	0.03	(*)		5	02	35	
FC	0003	Mandarins	0.05			CXL			To be replaced by the MRL for citrus fruits (2002 JMPR).
MM	0095	Meat (from mammals other than marine mammals)	0.5		(fat)	CXL	02		The MRL accommodates external animal treatment. Confirmed (2002 JMPR).
VC	0046	Melons, except watermelon	0.01	(*)		CXL	02		Withdrawal recommended (2002 JMPR).
ML	0106	Milks	0.02		F	CXL			The MRL accommodates external animal treatment.
ML	0106	Milks	0.05		F	5	02	35	
VO	0450	Mushrooms	0.01	(*)		CXL			

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VO	0450	Mushrooms	0.05		5	02	35	
FS	0245	Nectarine	0.05		5	02	35	
SO	0088	Oilseed	0.1		CXL			To be replaced by the MRL for sunflower seed (2002 JMPR).
SO	0089	Oilseed, except peanut	0.1		CXL	02		Withdrawal recommended (2002 JMPR).
FT	0305	Olives	0.1		CXL			
FT	0305	Olives	1		5	02	35	
VA	0385	Onion, Bulb	0.05		5	02	35	
FC	0004	Oranges, Sweet, Sour	0.05		CXL			To be replaced by the MRL for citrus fruits (2002 JMPR)
FS	0247	Peach	0.05		5	02	35	
SO	0697	Peanut	0.01	(*)	CXL	02		Withdrawal recommended (2002 JMPR).
FI	0353	Pineapple	0.01	(*)	CXL	02		Withdrawal recommended (2002 JMPR).
FS	0014	Plums (including prunes)	0.05		5	02	35	
FP	0009	Pome fruits	0.1		CXL			To be replaced by the MRL for apple (2002 JMPR)
VR	0589	Potato	0.01	(*)	5	02	35	
PM	0110	Poultry meat	0.01	(*)	CXL			
PM	0110	Poultry meat	0.1	(fat)	5	02		
PO	0111	Poultry, Edible offal of	0.01	(*)	CXL			
PO	0111	Poultry, Edible offal of	0.02	(*)	5	02		
VD	0070	Pulses	1	Po	5	02		
VR	0494	Radish	0.01	(*)	5	02		
VR	0075	Root and tuber vegetables	0.01		CXL			To be replaced by the MRLs for individual commodities (2002 JMPR)
FS	0012	Stone fruits	0.05		CXL			To be replaced by the MRLs for nectarine and peach (2002 JMPR).
AS	0081	Straw and fodder (dry) of cereal grains	0.5		CXL			Withdrawal recommended (2002 JMPR)
FB	0275	Strawberry	0.05		CXL			
FB	0275	Strawberry	0.2		5	02		
SO	0702	Sunflower seed	0.05	(*)	5	02		
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	5	02		
DT	1114	Tea, Green, Black	10		CXL			
DT	1114	Tea, Green, Black	5		5	02		
VO	0448	Tomato	0.3		5	02		

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FT	0312	Tree tomato	0.02			CXL		Withdrawal recommended (2002 JMPR)
TN	0678	Walnuts	0.02	(*)		5	02	
CM	0654	Wheat bran, Unprocessed	5		PoP	CXL	02	Confirmed (2002 JMPR)
CF	1211	Wheat flour	0.2		PoP	CXL		
CF	1211	Wheat flour	0.3		PoP	5	02	
CF	1212	Wheat wholemeal	1		PoP	CXL		
CF	1212	Wheat wholemeal	2		PoP	5	02	

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**136 Procymidone**

Main Uses 5 Fungicide

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

ADI 0.1 mg/kg body weight (1989)

RESIDUE Procymidone.

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

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**137 Bendiocarb**

Main Uses 8 Insecticide

JMPR 82, 84, 89R, 90R (03T')(04R')

ADI 0.004 mg/kg body weight (1984)

RESIDUE Plant commodities: Unconjugated bendiocarb.

Animal commodities: Sum of conjugated/unconjugated bendiocarb, 2,2-dimethyl-1,3-benzodioxol-4-ol/N-hydroxymethyl bendiocarb expressed as bendiocarb.

Note CCPR 35: consider deletion of all CXLs as this compound may no longer be supported at the 36th CCPR (para. 109).

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

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**138 Metalaxyl**

Main Uses 5 Fungicide

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

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

RESIDUE Metalaxyl.

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

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
VS	0621 Asparagus	0.05 (*)	CXL			
FI	0326 Avocado	0.2	CXL			
VB	0400 Broccoli	0.5	CXL			
VB	0402 Brussels sprouts	0.2	CXL			
VB	0041 Cabbages, Head	0.5	CXL			
SB	0715 Cacao beans	0.2	CXL			
VR	0577 Carrot	0.05 (*)	CXL			
VB	0404 Cauliflower	0.5	CXL			
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			
VC	0425 Gherkin	0.5	CXL			
FB	0269 Grapes	1	CXL			
DH	1100 Hops, Dry	10	CXL			
VL	0482 Lettuce, Head	2	CXL			
VC	0046 Melons, except watermelon	0.2	CXL			
VA	0385 Onion, Bulb	2	CXL			
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			
VR	0589 Potato	0.05 (*)	CXL			



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FB	0272	Raspberries, Red, Black	0.2		CXL
VD	0541	Soya bean (dry)	0.05	(*)	CXL
VL	0502	Spinach	2		CXL
VC	0431	Squash, Summer	0.2		CXL
VR	0596	Sugar beet	0.05	(*)	CXL
SO	0702	Sunflower seed	0.05	(*)	CXL
VO	0448	Tomato	0.5		CXL
VC	0432	Watermelon	0.2		CXL
VC	0433	Winter squash	0.2		CXL

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**142 Prochloraz**

Main Uses 5 Fungicide

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

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

AcuteRfD 0.1 mg/kg body weight (2001)

RESIDUE Sum of 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		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,	15		CXL			
MF	0812 Cattle fat	0.5		CXL			
MM	0812 Cattle meat	0.1	(*)	CXL			
MO	0812 Cattle, Edible offal of	5		CXL			
SB	0716 Coffee beans	0.2		CXL			
FI	0345 Mango	2	Po	CXL			
ML	0106 Milks	0.1	(*)	CXL			
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			
FI	0350 Papaya	1	Po	CXL			
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			
GC	0654 Wheat	0.5		CXL			
AS	0654 Wheat straw and fodder, Dry	15		CXL			

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**143 Triazophos**

Main Uses 8 Insecticide

JMPR 82T, 83R, 86, 90R, 92R, 93, 02T'

ADI 0.001 mg/kg body weight (1993; confirmed 2002)

AcuteRfD 0.001 mg/kg body weight (2002)

RESIDUE Triazophos.

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

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**144 Bitertanol**

Main Uses 5 Fungicide

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

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

RESIDUE Bitertanol (fat-soluble).

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

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

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VO	0448	Tomato	3		CXL	99	34
GC	0653	Triticale	0.05	(*)	CXL		
AS	0653	Triticale straw and fodder, Dry	0.05	(*)	CXL		
GC	0654	Wheat	0.05	(*)	CXL		
AS	0654	Wheat straw and fodder, Dry	0.05	(*)	CXL		

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**145 Carbosulfan**

Main Uses 8 Insecticide

JMPR 84, 86T, 91R, 93R, 97R', 03

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.

The CCPR-33 requested the Delegation of Spain to provide GAP information on citrus fruits to JMPR (33.158).

The CCPR 35 decided to await acute risk assessment by the 2003 JMPR for Step compounds.

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
AB 0001	Citrus pulp, Dry	0.1	6	97	33	Returned to current Step
SO 0691	Cotton seed	0.05	3	03		
MO 0105	Edible offal (mammalian)	0.05*	3	03		
PE 0112	Eggs	0.05*	3	03		
GC 0645	Maize	0.05*	3	03		
AF 0645	Maize forage	0.05*	3	03		
FC 0206	Mandarin	0.1	6	99	33	Returned to current Step
MM 0095	Meat (from mammals other than marine mammals)	0.05*	3	03		
ML 0106	Milks	0.03*	3	03		
FC 0004	Oranges, Sweet, Sour	0.1	6	97	33	Returned to current Step
VR 0589	Potato	0.05	3	03		
PM 0110	Poultry meat	0.05*	3	03		
PO 0111	Poultry, Edible offal of	0.05*	3	03		
AS 0649	Rice straw and fodder, Dry	0.05*	3	03		
VR 0596	Sugar beet	0.3	3	03		
AV 0596	Sugar beet leaves or tops	0.05*	3	03		

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**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	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			

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**147 Methoprene**

Main Uses 9 Insect Growth Regulator

JMPR 84, 86R, 88R, 89R, 01T' (03R')

ADI 0.09 & 0.05 mg/kg body weight (2001; 0.09 mg/kg bw for the R,S racemate; 0.05 mg/kg bw for S-methoprene)

RESIDUE Methoprene (fat-soluble).

Note Previous ADI, 0.1 mg/kg bw (1987)

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



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**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	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			

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**149 Ethoprophos**

Main Uses 8 Insecticide

JMPR 83T, 84R, 87T, 99T' (01R')

ADI 0.0004 mg/kg body weight (1999)

AcuteRfD 0.05 mg/kg body weight (1999)

RESIDUE Ethoprophos.

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

Commodity		MRL	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			

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

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**151 Dimethipin**

Main Uses 16 Plant Growth Regulator

JMPR 85, 87, 88, 99T, 01R'

ADI 0.02 mg/kg body weight (1988; confirmed 1999)

AcuteRfD 0.02 mg/kg body weight (1999)

RESIDUE Dimethipin.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
SO	0691 Cotton seed	1	CXL	01	35	
OC	0691 Cotton seed oil, Crude	0.1	CXL			Confirmed (2001 JMPR)
OR	0691 Cotton seed oil, Edible	0.1	CXL	01	35	
MO	0105 Edible offal (mammalian)	0.01 (*)	CXL	01	35	
PE	0112 Eggs	0.01 (*)	CXL	01	35	
MM	0095 Meat (from mammals other than marine mammals)	0.01 (*)	CXL	01	35	
ML	0106 Milks	0.01 (*)	CXL	01	35	
VR	0589 Potato	0.05 (*)	CXL			Confirmed (2001 JMPR)
PM	0110 Poultry meat	0.01 (*)	CXL	01	35	
PO	0111 Poultry, Edible offal of	0.01 (*)	CXL	01	35	
SO	0495 Rape seed	0.2	CXL	01	35	
SO	0702 Sunflower seed	1	CXL	01	35	

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**152 Flucythrinate**

Main Uses 8 Insecticide

JMPR 85, 87R, 88R, 89R, 90R, 93R

ADI 0.02 mg/kg body weight (1985)

RESIDUE Flucythrinate (fat-soluble).

Note The CAC-24 revoked the existing CXLs.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
@ @ @ 0000	No MRL					

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**153 Pyrazophos**

Main Uses 5 Fungicide

JMPR 85, 87R, 92, 93R

ADI 0.004 mg/kg body weight (1992)

RESIDUE Pyrazophos.

Note The CAC-24 revoked the existing CXLs.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
@@@0000	No MRL					

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**154 Thiodicarb**

Main Uses 8 Insecticide

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

ADI 0.03 mg/kg body weight (1986; confirmed 2000)

AcuteRfD 0.04 mg/kg body weight (2000)

RESIDUE Sum of thiodicarb and methomyl, expressed as methomyl.

See (94) methomyl.

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

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					

@@@0001 See related compound(s)

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**155 Benalaxyl**

Main Uses 5 Fungicide

JMPR 86R, 87T, 88R, 92R, 93R

ADI 0.05 mg/kg body weight (1987)

RESIDUE Benalaxyl.

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



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**156 Clofentezine**

Main Uses 1 Acaricide

JMPR 86, 87R, 89R, 90R, 92R (04')

ADI 0.02 mg/kg body weight (1986)

RESIDUE Plant commodities: Clofentezine.

Animal commodities: Sum of all compounds containing the 2-chlorobenzoyl moiety, expressed as clofentezine.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
MM	0812 Cattle meat	0.05	(*)	CXL			
ML	0812 Cattle milk	0.01	(*)	CXL			
MO	0812 Cattle, Edible offal of	0.1		CXL			
FC	0001 Citrus fruits	0.5		CXL			
VC	0424 Cucumber	1		CXL			
FB	0021 Currants, Black, Red, White	0.05		CXL			
PE	0112 Eggs	0.05	(*)	CXL			
FB	0269 Grapes	1		CXL			
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			

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**157 Cyfluthrin**

Main Uses 8 Insecticide

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

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

RESIDUE Cyfluthrin (fat-soluble).

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

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

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**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	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
OC	0691 Cotton seed oil, Crude	0.05	(*)			CXL
OR	0691 Cotton seed oil, Edible	0.05	(*)			CXL
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
AF	0645 Maize forage	1				CXL
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
VD	0541 Soya bean (dry)	20				CXL

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VP	0541	Soya bean (immature seeds)	0.2		CXL
AL	0541	Soya bean fodder	200		CXL
AL	1265	Soya bean forage (green)	5		CXL
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
CF	1211	Wheat flour	0.5		CXL
CF	1212	Wheat wholemeal	5		CXL

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**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		Step	JMPR	CCPR	Note
FB 0264	Blackberries	5		CXL			
FB 0020	Blueberries	5		CXL			
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			
FI 0341	Kiwifruit	10		CXL			
VL 0482	Lettuce, Head	5		CXL			
VC 0046	Melons, except watermelon	1		CXL			

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

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**160 Propiconazole**

Main Uses 5 Fungicide

JMPR 87, 91R, 94R

ADI 0.04 mg/kg body weight (1987)

RESIDUE Propiconazole.

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

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**162 Tolyfluanid**

Main Uses 5 Fungicide

JMPR 88, 90R, 02', 03R

ADI 0.08 mg/kg body weight (2002)

AcuteRfD 0.5 mg/kg body weight (2002)

RESIDUE For compliance with MRLs for plant commodities: Tolyfluanid.

For estimation of dietary intake for plant commodities: sum of tolyfluanid and N,N-dimethyl-N-(4-methylphenyl)-sulfamide expressed as tolyfluanid.

Note Previous ADI, 0.1 mg/kg bw (1988).

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
FB 0264	Blackberries	5	5	02	35	
VC 0424	Cucumber	1	5	02	35	
FB 0021	Currants, Black, Red, White	5	CXL			
FB 0021	Currants, Black, Red, White	0.5	5	02	35	
VC 0425	Gherkin	2	CXL	02		Withdrawal recommended (2002 JMPR). CCPR 35: consider withdrawal at the 36th CCPR.
FB 0269	Grapes		5	02	35	
DH 1100	Hops, Dry	50	5	02	35	
VA 0384	Leek	2	5	02	35	
VL 0482	Lettuce, Head	1	CXL			
VL 0482	Lettuce, Head	0.2	5	02	35	
VL 0482	Lettuce, Head	15	3			
VO 0445	Peppers, Sweet	2	5	02	35	
FP 0009	Pome fruits	5	CXL	02		Confirmed (2002 JMPR)
FB 0272	Raspberries, Red, Black	5	5	02	35	
FB 0275	Strawberry	3	CXL			
FB 0275	Strawberry	5	5	02	35	
VO 0448	Tomato	2	CXL			
VO 0448	Tomato	3	5	02	35	



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**164 Demeton-S-Methylsulphon**

Main Uses 8 Insecticide

JMPR 73, 82T, 84, 89, 92R

ADI 0.0003 mg/kg body weight (1989)

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.  
ADI for the sum of these three compounds. See (166) oxydemeton-methyl.

Commodity						
Code	Name	MRL	Step	JMPR	CCPR	Note

@@@0001 See related compound(s)

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**165 Flusilazole**

Main Uses 5 Fungicide

JMPR 89, 90R, 91R, 93R, 95T

ADI 0.001 mg/kg body weight (1989; confirmed 1995)

RESIDUE Flusilazole.

Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its 34th session (33.165).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
FS	0240 Apricot	0.5	CXL			Retained
FI	0327 Banana	0.1	CXL			Retained
GC	0640 Barley	0.1	CXL			Retained
AS	0640 Barley straw and fodder,	2	CXL			Retained
MF	0812 Cattle fat	0.01 (*)	CXL			Retained
MM	0812 Cattle meat	0.01 (*)	CXL			Retained
ML	0812 Cattle milk	0.01 (*)	CXL			Retained
MO	0812 Cattle, Edible offal of	0.02 (*)	CXL			Retained
PE	0840 Chicken eggs	0.01 (*)	CXL			Retained
PM	0840 Chicken meat	0.01 (*)	CXL			Retained
PO	0840 Chicken, Edible offal of	0.01 (*)	CXL			Retained
DF	0269 Dried grapes (=currants, raisins and sultanas)	1	CXL			Retained
FB	0269 Grapes	0.5	CXL			Retained
FS	0245 Nectarine	0.5	CXL			Retained
FS	0247 Peach	0.5	CXL			Retained
FP	0009 Pome fruits	0.2	CXL			Retained
SO	0495 Rape seed	0.05	CXL			Retained
GC	0650 Rye	0.1	CXL			Retained
AS	0650 Rye straw and fodder, Dry	2	CXL			Retained
VR	0596 Sugar beet	0.01 (*)	CXL			Retained
GC	0654 Wheat	0.1	CXL			Retained
AS	0654 Wheat straw and fodder, Dry2		CXL			Retained

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**166 Oxydemeton-Methyl**

Main Uses 8 Insecticide

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

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

AcuteRfD 0.002 mg/kg body weight (2002)

RESIDUE Sum of oxydemeton-methyl, demeton-S-methyl and demeton-S-methylsulphon expressed as oxydemeton-methyl.  
The residue definition and MRLs are based on the use of oxydemeton-methyl only.

**Note** The residues will be the sum of oxydemeton-methyl and demeton-S-methylsulphon. Any inadvertent demeton-S-methyl would also be included. The CCPR-32 requested detailed information on support for oxydemeton-methyl. After an extensive exchange of views on the residue definition the CCPR-32 agreed as a compromise solution to maintain the residue definition and to clarify that the residue definition and MRLs applied only to residues resulting from the use of oxydemeton-methyl by amending the note to the residue definition (32.139-140).  
Data would be submitted to the 2004 JMPR, also to review the residue definition (CCPR 35, para. 117).

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

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PM	0110	Poultry meat	0.05	(*)	6	73, 92, 98	33	Returned to current Step
GC	0650	Rye	0.05	(*)	6	98	32	Returned to current Step
AS	0650	Rye straw and fodder, Dry	2		6	98	32	Returned to current Step
MF	0822	Sheep fat	0.05	(*)	6	73, 92, 98	33	Returned to current Step
VR	0596	Sugar beet	0.05	(*)	6	73, 84, 92, 98	33	Returned to current Step
AV	0596	Sugar beet leaves or tops	0.05	(*)	6	73, 79, 84, 92, 98	33	Returned to current Step
GC	0654	Wheat	0.05	(*)	6	73, 84, 92, 98	33	Returned to current Step
AS	0654	Wheat straw and fodder, Dry2			6	98	32	Returned to current Step

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**167 Terbufos**

Main Uses 14 Nematicide

JMPR 89, 90, 03T'

ADI 0-0.0006 mg/kg body weight (1989)

AcuteRfD 0.002 mg/kg body weight (2003)

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

Note The CCPR-34 would consider revocation of CXLs for barley and for straw and fodder (dry) of cereal grains as these uses were no longer supported (33.167).  
2003 JMPR: no short-term dietary intake was calculated due to insufficient data.

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

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

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

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VO	0445	Peppers, Sweet	0.1		TF	CXL	Source of data: triadimefon
FI	0353	Pineapple	1	Po	TF	CXL	Source of data: triadimefon
FP	0009	Pome fruits	0.5		TF TN	CXL	Source of data: triadimefon, triadimenol
PM	0110	Poultry meat	0.05	(*)	TF TN	CXL	Source of data: triadimefon, triadimenol
FB	0272	Raspberries, Red, Black	0.5		TF	CXL	Source of data: triadimefon
GC	0650	Rye	0.2		TF TN	CXL	Source of data: triadimefon, triadimenol
AS	0650	Rye straw and fodder, Dry	5		TF TN	CXL	Source of data: triadimefon, triadimenol
VA	0389	Spring onion	0.05	(*)	TF	CXL	Source of data: triadimefon
FB	0275	Strawberry	0.1		TF	CXL	Source of data: triadimefon
VR	0596	Sugar beet	0.1	(*)	TF TN	CXL	Source of data: triadimefon, triadimenol
AV	0596	Sugar beet leaves or tops	1		TF TN	CXL	Source of data: triadimefon, triadimenol
VO	0448	Tomato	0.5		TF	CXL	Source of data: triadimefon
GC	0654	Wheat	0.2		TF TN	CXL	Source of data: triadimefon, triadimenol
AS	0654	Wheat straw and fodder, Dry5			TF TN	CXL	Source of data: triadimefon, triadimenol



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

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**170 Hexaconazole**

Main Uses 5 Fungicide

JMPR 90, 93R

ADI 0.005 mg/kg body weight (1990)

RESIDUE Hexaconazole.

Note The CCPR-33 noted the request for supportive data and decided to consider this compound again at its next session (33.168).

The CCPR 35 decided to consider the deletion of all CXLs at the 36th Session and to ask member countries for information on the status of this compound at the national level.

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

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**171 Profenofos**

Main Uses 8 Insecticide

JMPR 90, 92R, 94R, 95R

ADI 0.01 mg/kg body weight (1990)

RESIDUE Profenofos.

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

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
VB	0041 Cabbages, Head	1		CXL			
SO	0691 Cotton seed	2		CXL			
OR	0691 Cotton seed oil, Edible	0.05	(*)	CXL			
PE	0112 Eggs	0.02	(*)	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.05	(*)	CXL			
ML	0106 Milks	0.01	(*)	CXL			
VO	0444 Peppers, Chili	5		CXL			
VO	0445 Peppers, Sweet	0.5		CXL			
VR	0589 Potato	0.05	(*)	CXL			
VO	0448 Tomato	2		CXL			

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**172 Bentazone**

Main Uses 7 Herbicide

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

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

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

Note The 29th CCPR requested the JMPR to consider revising the residue definition for plant commodities (29.71).

Noting that existing and proposed MRLs are based on the sum of bentazone and its hydroxy metabolites, the 1998 JMPR agreed that it was necessary to review all the studies on metabolism before taking a decision and recommended that residue definition should be considered at the next periodic review.

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

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

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**173 Buprofezin**

Main Uses 8 Insecticide

JMPR 91, 95R, 99TR

ADI 0.01 mg/kg body weight (1991)

RESIDUE Buprofezin (fat-soluble).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
VC	0424 Cucumber	1				CXL
FC	0004 Oranges, Sweet, Sour	0.5				CXL
VO	0448 Tomato	1				CXL

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**174 Cadusafos**

Main Uses 8 Insecticide

JMPR 91, 92R

ADI 0.0003 mg/kg body weight (1991)

RESIDUE Cadusafos.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
FI	0327 Banana	0.01 (*)	CXL			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			

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**175 Glufosinate-Ammonium**

Main Uses 7 Herbicide

JMPR 91, 94R, 98R, 99R

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

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

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

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
AM 0660	Almond hulls	0.5		CXL	98	34	
VS 0621	Asparagus	0.05	(*)	CXL			
FI 0030	Assorted tropical and sub-tropical fruits - inedible peel	0.05	(*)	CXL	98	34	Except banana.
FI 0327	Banana	0.2		CXL			
FB 0018	Berries and other small	0.1		CXL			Except currants.
VD 0523	Broad bean (dry)	2		CXL			
VR 0577	Carrot	0.05	(*)	CXL			
FC 0001	Citrus fruits	0.1		CXL			
VD 0526	Common bean (dry)	2		CXL			
VP 0526	Common bean (pods and/or immature seeds)	0.05	(*)	CXL			
VL 0470	Corn salad	0.05	(*)	CXL			
FB 0021	Currants, Black, Red, White	0.5		CXL			
MO 0105	Edible offal (mammalian)	0.1	(*)	CXL	99	34	
PE 0112	Eggs	0.05	(*)	CXL	99	34	
GC 0645	Maize	0.1		CXL			
AS 0645	Maize fodder	10	(*)	CXL	99	34	Delete (*)
AF 0645	Maize forage	5		CXL	99	34	Returned to current Step
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	99	34	
ML 0106	Milks	0.02	(*)	CXL	99	34	
VA 0385	Onion, Bulb	0.05		CXL			
VD 0072	Peas (dry)	3		CXL			



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FP	0009	Pome fruits	0.05	(*)	CXL			
VR	0589	Potato	0.5		CXL			
PM	0110	Poultry meat	0.05	(*)	CXL	99	34	
PO	0111	Poultry, Edible offal of	0.1	(*)	CXL	99	33	
SO	0495	Rape seed	5		CXL			
OC	0495	Rape seed oil, Crude	0.05	(*)	CXL			
VD	0541	Soya bean (dry)	2		CXL	99	34	Returned to current Step
FS	0012	Stone fruits	0.05	(*)	CXL			
VR	0596	Sugar beet	0.05	(*)	CXL			
AV	0596	Sugar beet leaves or tops	0.1		CXL			
SO	0702	Sunflower seed	5		CXL			
OC	0702	Sunflower seed oil, Crude	0.05	(*)	CXL			
TN	0085	Tree nuts	0.1		CXL	98	34	

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**176 Hexythiazox**

Main Uses 1 Acaricide

JMPR 91, 94R, 98R

ADI 0.03 mg/kg body weight (1991)

RESIDUE Hexythiazox.

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

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**177 Abamectin**

Main Uses 8 Insecticide

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

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

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

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

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

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VC 0432 Watermelon

0.01 (\*)

CXL

**- Part.A1 -**

Part 1 - 195

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

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

- Part.A1 -

Part 1 - 197

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

- Part.A1 -

Part 1 - 198

**180 Dithianon**

Main Uses 5 Fungicide

JMPR 92, 95R

ADI 0.01 mg/kg body weight (1992)

RESIDUE Dithianon.

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



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Part 1 - 199

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

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Part 1 - 200

**182 Penconazole**

Main Uses 5 Fungicide

JMPR 92, 95R

ADI 0.03 mg/kg body weight (1992)

RESIDUE Penconazole.

Note The compound was no longer supported in Codex system and Committee decided to consider the deletion of all CXLs at the 36th Session (CCPR 35, paras 120--123).

Commodity		MRL		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	0.05	(*)	CXL			
PE	0840 Chicken eggs	0.05	(*)	CXL			
PM	0840 Chicken meat	0.05	(*)	CXL			
VC	0424 Cucumber	0.1		CXL			
DF	0269 Dried grapes (=currants, raisins and sultanas)	0.5		CXL			
FB	0269 Grapes	0.2		CXL			
DH	1100 Hops, Dry	0.5		CXL			
VC	0046 Melons, except watermelon	0.1		CXL			
FS	0245 Nectarine	0.1		CXL			
FS	0247 Peach	0.1		CXL			
FP	0009 Pome fruits	0.2		CXL			
FB	0275 Strawberry	0.1		CXL			
VO	0448 Tomato	0.2		CXL			

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Part 1 - 201

**184 Etofenprox**

Main Uses 8 Insecticide

JMPR 93

ADI 0.03 mg/kg body weight (1993)

RESIDUE Etofenprox (fat-soluble).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
FP 0009	Pome fruits	1				
VR 0589	Potato	0.01 (*)				

- Part.A1 -

Part 1 - 202

**185 Fenpropathrin**

Main Uses 8 Insecticide/Acaricide

JMPR 93

ADI 0.03 mg/kg body weight (1993)

RESIDUE Fenpropathrin (fat-soluble).

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

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Part 1 - 203

**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	Step	JMPR	CCPR	Note
Code	Name					

@@@0001 See related compound(s)

**- Part.A1 -**

Part 1 - 204

**187 Clethodim**

Main Uses 7 Herbicide

JMPR 94, 97R, 99TR

ADI 0.01 mg/kg body weight (1994)

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

Note Written information was requested to be sent to the JMPR Secretaries on what and when data would be available (30.79).

Written comments on this compound were invited once again to be sent to the JMPR Secretariat (31.101).

The CCPR-32 requested governments and other interested organizations to submit available information and relevant comments on analytical methods and LODs to be considered by the ad hoc working group on methods of analysis and sampling (32.145)

The CCPR-33 noted the absence of a suitable method of analysis. The CCPR-34 would this compound with respect to the methodology of residue analysis with the understanding that without the method of analysis MRLs would not be advanced further. (33.175)

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
AL	1020 Alfalfa fodder	10		CXL	97	35	Returned to current Step
AL	0061 Bean fodder	10		CXL	99	35	Returned to current Step
AL	1030 Bean forage (green)	5		CXL	99	35	Returned to current Step
VD	0071 Beans (dry)	2		CXL	94, 97, 99	35	Returned to current Step
VP	0061 Beans, except broad bean and soya bean	0.5	(*)	CXL	97	35	Returned to current Step
SO	0691 Cotton seed	0.5		CXL	94	35	Returned to current Step
OC	0691 Cotton seed oil, Crude	0.5	(*)	CXL	94, 97	35	Returned to current Step
OR	0691 Cotton seed oil, Edible	0.5	(*)	CXL	94, 97	35	Returned to current Step
MO	0105 Edible offal (mammalian)	0.2	(*)	CXL	99	35	Returned to current Step
PE	0112 Eggs	0.05	(*)	CXL	99	35	Returned to current Step
VD	0561 Field pea (dry)	2		CXL	94, 97	35	Returned to current Step
AM	1051 Fodder beet	0.1	(*)	CXL	97	35	Returned to current Step
VA	0381 Garlic	0.5		CXL	97	35	Returned to current Step
MM	0095 Meat (from mammals other than marine mammals)	0.2	(*)	CXL	99	35	Returned to current Step
ML	0106 Milks	0.05	(*)	CXL	99	35	Returned to current Step
VA	0385 Onion, Bulb	0.5		CXL	97	35	Returned to current Step
SO	0697 Peanut	5		CXL	97	35	Returned to current Step

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VR	0589	Potato	0.5		CXL	94, 99	35	Returned to current Step
PM	0110	Poultry meat	0.2	(*)	CXL	99	35	Returned to current Step
PO	0111	Poultry, Edible offal of	0.2	(*)	CXL	99	35	Returned to current Step
SO	0495	Rape seed	0.5		CXL	94	35	Returned to current Step
OC	0495	Rape seed oil, Crude	0.5	(*)	CXL	94, 97	35	Returned to current Step
OR	0495	Rapeseed oil, Edible	0.5	(*)	CXL	94, 97	35	Returned to current Step
VD	0541	Soya bean (dry)	10		CXL	94	35	Returned to current Step
OC	0541	Soya bean oil, Crude	1		CXL	94	35	Returned to current Step
OR	0541	Soya bean oil, Refined	0.5	(*)	CXL	94, 97	3	Returned to current Step
VR	0596	Sugar beet	0.1		CXL	94, 97	35	Returned to current Step
SO	0702	Sunflower seed	0.5		CXL	94, 97, 99	35	Returned to current Step
OC	0702	Sunflower seed oil, Crude	0.1	(*)	CXL	94, 97, 99	35	Returned to current Step
VO	0448	Tomato	1		CXL	97	35	Returned to current Step

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Part 1 - 206

**188 Fenpropimorph**

Main Uses 5 Fungicide

JMPR 94T, 95R, 99R, 01T

ADI 0.003 mg/kg body weight (1994)

AcuteRfD 1 mg/kg body weight (2001)

RESIDUE Plant products: Fenpropimorph.

Animal products: 2-Methyl-2-{4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl}propionic acid, expressed as fenpropimorph

Commodity Code	Name	MRL	Step	JMPR	CCPR	Note
FI 0327	Banana	2	CXL	99	34	
GC 0640	Barley	0.5	CXL			
AS 0640	Barley straw and fodder,	5	CXL			
PE 0112	Eggs	0.01 (*)	CXL			
AV 1051	Fodder beet leaves or tops	1	CXL			
MO 0098	Kidney of cattle, goats, pigs & sheep	0.05	CXL			
MO 0099	Liver of cattle, goats, pigs & sheep	0.3	CXL			
MF 0100	Mammalian fats (except milk fats)	0.01	CXL			
MM 0095	Meat (from mammals other than marine mammals)	0.02	CXL			
ML 0106	Milks	0.01	CXL			
AS 0647	Oat straw and fodder, Dry	5	CXL			
GC 0647	Oats	0.5	CXL			
PF 0111	Poultry fats	0.01 (*)	CXL			
PM 0110	Poultry meat	0.01 (*)	CXL			
PO 0111	Poultry, Edible offal of	0.01 (*)	CXL			
GC 0650	Rye	0.5	CXL			
AS 0650	Rye straw and fodder, Dry	5	CXL			
VR 0596	Sugar beet	0.05 (*)	CXL			
AV 0596	Sugar beet leaves or tops	1	CXL			
GC 0654	Wheat	0.5	CXL			



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AS 0654 Wheat straw and fodder, Dry5

CXL

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Part 1 - 208

**189 Tebuconazole**

Main Uses 5 Fungicide

JMPR 94, 97R

ADI 0.03 mg/kg body weight (1994)

RESIDUE Tebuconazole.

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

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GC 0654 Wheat 0.05  
AS 0654 Wheat straw and fodder, Dry10

CXL  
CXL

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Part 1 - 210

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

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**191 Tolclofos-Methyl**

Main Uses 5 Fungicide

JMPR 94

ADI 0.07 mg/kg body weight (1994)

RESIDUE Tolclofos-methyl.

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

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**192 Fenarimol**

Main Uses 5 Fungicide

JMPR 95, 96R

ADI 0.01 mg/kg body weight (1995)

RESIDUE Fenarimol.

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

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**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.  
CCPR 35: await JMPR 2004 toxicological evaluation for an acute RfD (para. 125).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple	0.3		6	99	33	Returned to current Step
MO 1280	Cattle kidney	0.01	(*)	CXL	99	34	
MO 1281	Cattle liver	0.01	(*)	CXL	99	34	
MM 0812	Cattle meat	0.02	(fat)	CXL	99	34	
ML 0812	Cattle milk	0.005	(*) F	CXL	99	34	
FB 0269	Grapes	1		6	99	33	Returned to current Step
DH 1100	Hops, Dry	10		CXL	99	34	
FC 0004	Oranges, Sweet, Sour	0.2		6	99	33	Returned to current Step

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**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)

The CCPR-33 noted the JMPR's review of this compound in 2001 and would consider this compound at its next session. (33.194)

Acute RfD may be necessary but has not been established (2001 JMPR).

The information provided to the JMPR precludes an estimate that the dietary intake would be below the ADI (2001 JMPR).

CCPR 35: Await 2004 JMPR to establish an acute RfD. New data would be submitted and the residue definition for racemic mixture will be replaced by the R-isomer (para 126).

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



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FP	0009	Pome fruits	0.05	(*)		CXL			
VR	0589	Potato	0.1			6	96	33	Returned to current Step
VD	0070	Pulses	0.2			6	96	33	Returned to current Step
SO	0495	Rape seed	2			6	96	33	Returned to current Step
OC	0495	Rape seed oil, Crude	5			6	96	33	Returned to current Step
OR	0495	Rapeseed oil, Edible	5			6	96	33	Returned to current Step
CM	1206	Rice bran, Unprocessed	0.02	(*)		6	96	33	Returned to current Step
CM	0649	Rice, Husked	0.02	(*)		6	96	33	Returned to current Step
CM	1205	Rice, Polished	0.02	(*)		6	96	33	Returned to current Step
OC	0541	Soya bean oil, Crude	0.2			6	96	33	Returned to current Step
OR	0541	Soya bean oil, Refined	0.2			6	96	33	Returned to current Step
VR	0596	Sugar beet	0.3			6	96	33	Returned to current Step
AV	0596	Sugar beet leaves or tops	0.3		fresh wt	3	95, 96, 01		
SO	0702	Sunflower seed	0.2			6	96	33	Returned to current Step

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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		Step	JMPR	CCPR	Note
Code	Name						
MM	0812 Cattle meat	0.2	(fat)	CXL			On carcass fat basis. The MRL accommodates external animal treatment.
ML	0812 Cattle milk	0.05	F	CXL			The MRL accommodates external animal treatment.

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**196 Tebufenozide**

Main Uses 8 Insecticide

JMPR 96, 97R, 99R, 01, 03

ADI 0.02 mg/kg body weight (1996)

AcuteRfD 0.9 mg/kg body weight (2003)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: tebufenozide (fat-soluble).

Note CCPR 35: additional data would be submitted to refine acute RfD (para. 128).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
AM	0660 Almond hulls	30	5	01	35	
TN	0660 Almonds	0.05	5	01	35	
FI	0326 Avocado	1	5	01	35	
FB	0020 Blueberries	3	5	01	35	
VB	0400 Broccoli	0.5	5	01	35	
VB	0041 Cabbages, Head	5	5	01	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD. (2001 JMPR)
MO	1280 Cattle kidney	0.02 (*)	5	01	35	
MO	1280 Cattle kidney			03		Replaced by Eddible offal, mammalian.
MO	1281 Cattle liver	0.02 (*)	5	01	35	
MO	1281 Cattle liver			03		Replaced by Eddible offal, mammalian.
MM	0812 Cattle meat	0.05 (fat)	5	01	35	
MM	0812 Cattle meat			03		2003 JMPR: Withdrawal recommended
ML	0812 Cattle milk	0.01 (*)	5	01	35	
ML	0812 Cattle milk			03		2003 JMPR: Withdrawal recommended
FC	0001 Citrus fruits	2	5	01	35	
FB	0265 Cranberry	0.5	5	01	35	
DF	0269 Dried grapes (=currants, raisins and sultanas)	2	5	01	35	
MO	0105 Edible offal (mammalian)	0.02 (*)	3	03		
PE	0112 Eggs	0.02 (*)	5	01	35	
FB	0269 Grapes	2	5	96, 99, 01	35	Returned to current Step

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FI	0341	Kiwifruit	0.5		CXL		
VL	0053	Leafy vegetables	10		5	01	35
MM	0095	Meat (from mammals other than marine mammals)	0.05	(fat)	3	03	
ML	0106	Milks	0.01	(*)	3	03	
HH	0738	Mints	20		5	01	35
FS	0245	Nectarine	0.5		5	01	35
FS	0247	Peach	0.5		5	01	35
TN	0672	Pecan	0.01	(*)	5	01	35
VO	0051	Peppers	1		5	01	35
FP	0009	Pome fruits	1		CXL		
PM	0110	Poultry meat	0.02	(*)	5	01	35
SO	0495	Rape seed	2		5	01	35
FB	0272	Raspberries, Red, Black	2		5	01	35
CM	0649	Rice, Husked	0.1		CXL		35
GS	0659	Sugar cane	1		5	01	35
VO	0448	Tomato	1		5	01	35
TN	0678	Walnuts	0.05		CXL		

The information provided to the Jmpr precludes an estimate that the dietary intake would be below the acute RfD. (2001 Jmpr)

Confirmed (1999 Jmpr)

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Part 1 - 219

**197 Fenbuconazole**

Main Uses 5 Fungicide

JMPR 97 (02R)

ADI 0.03 mg/kg body weight (1997)

RESIDUE Fenbuconazole (fat soluble).

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

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AS 0654 Wheat straw and fodder, Dry3

CXL

- Part.A1 -

Part 1 - 221

**198 Aminomethylphosphonic Acid (AMPA)**

Main Uses

JMPR 97

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

RESIDUE Aminomethylphosphonic acid (AMPA).

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

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

Commodity

Code	Name	MRL	Step	JMPR	CCPR	Note
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@@@0000 No MRL

**- Part.A1 -**

Part 1 - 222

**199 Kresoxim-Methyl**

Main Uses 5 Fungicide

JMPR 98, 01R

ADI 0.4 mg/kg body weight (1998)

RESIDUE Plant commodities: Kresoxim-methyl.

Animal commodities: Alpha-(p-hydroxy-o-tolyloxy)-o-tolyl(methoxyimino)acetic acid, expressed as kresoxim-methyl.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
GC 0640	Barley	0.1		CXL	98	34	
VC 0424	Cucumber	0.05	(*)	CXL			
DF 0269	Dried grapes (=currants, raisins and sultanas)	2		CXL			
MO 0105	Edible offal (mammalian)	0.05	(*)	CXL	98	34	
FC 0203	Grapefruit	0.5		CXL	01	35	
FB 0269	Grapes	1		CXL			
MF 0100	Mammalian fats (except milk fats)	0.05	(*)	CXL	98	34	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	CXL	98	34	
ML 0106	Milks	0.01	(*)	CXL	98	34	
OC 0305	Olive oil, Virgin	0.7		CXL	01	35	
FT 0305	Olives	0.2		CXL	01	35	
FC 0004	Oranges, Sweet, Sour	0.5		CXL	01	35	
FP 0009	Pome fruits	0.2		CXL	98	34	
PM 0110	Poultry meat	0.05	(*)	CXL	98	34	
GC 0650	Rye	0.05	(*)	CXL			
AS 0081	Straw and fodder (dry) of cereal grains	5		CXL			
GC 0654	Wheat	0.05	(*)	CXL			



- Part.A1 -

Part 1 - 223

**200 Pyriproxifen**

Main Uses 8 Insecticide

JMPR 99, 00R, 01T

ADI 0.1 mg/kg body weight (1999)

RESIDUE Pyriproxifen (fat-soluble).

Commodity		MRL		Step	JMPR	CCPR	Note
Code	Name						
MM	0812 Cattle meat	0.01	(*) (fat)	CXL	99	34	
MO	0812 Cattle, Edible offal of	0.01	(*)	CXL	99	34	
FC	0001 Citrus fruits	0.5		CXL			
SO	0691 Cotton seed	0.05		CXL	99	34	
OC	0691 Cotton seed oil, Crude	0.01		CXL	99	34	
OR	0691 Cotton seed oil, Edible	0.01		CXL	99	34	
MM	0814 Goat meat	0.01	(*) (fat)	CXL	99	34	
MO	0814 Goat, Edible offal of	0.01	(*)	CXL	99	34	

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Part 1 - 224

**201 Chlorpropham**

Main Uses 16 Plant Growth Regulator

JMPR 00T, 01R

ADI 0.03 mg/kg body weight (2000)

AcuteRfD 0.03 mg/kg body weight (2000)

RESIDUE Chlorpropham (fat-soluble).

Note The CCPR 35 requested JMPR to review acute toxicity again, taking into account the US assessment (para.133).

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
MM	0812 Cattle meat	0.1 (fat)	5	01	35	
ML	0812 Cattle milk	0.0005 (*) F	5	01	35	
MO	0812 Cattle, Edible offal of	0.01 (*)	5	01	35	
VR	0589 Potato	30 Po	5	01	35	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for cooked potato.

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Part 1 - 225

**202 Fipronil**

Main Uses 8 Insecticide

JMPR 00T, 01R

ADI 0.0002 mg/kg body weight (2000, group ADI for fipronil and fipronil-desulfinyl [5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-

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

RESIDUE Plant commodities: Fipronil (fat-soluble).

Animal commodities: Sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulphonylpyrazole (MB 46136), expressed as fipronil (fat-soluble).

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
FI	0327 Banana	0.005		CXL	01	35	
GC	0640 Barley	0.002	(*)	CXL	01	35	
VB	0041 Cabbages, Head	0.02		CXL	01	35	
MO	1280 Cattle kidney	0.02		CXL	01	35	
MO	1281 Cattle liver	0.1		CXL	01	35	
MM	0812 Cattle meat	0.5	(fat)	CXL	01	35	
ML	0812 Cattle milk	0.02		CXL	01	35	
PE	0112 Eggs	0.02		CXL	01	35	
VB	0042 Flowerhead brassicas	0.02		CXL	01	35	
GC	0645 Maize	0.01		CXL	01	35	
AS	0645 Maize fodder	0.1	dry wt	CXL	01	35	
AF	0645 Maize forage	0.1	dry wt	CXL	01	35	
GC	0647 Oats	0.002	(*)	CXL	01	35	
VR	0589 Potato	0.02		CXL	01	35	
PM	0110 Poultry meat	0.01	(*)	CXL	01	35	
PO	0111 Poultry, Edible offal of	0.02		CXL	01	35	
GC	0649 Rice	0.01		CXL	01	35	
AS	0649 Rice straw and fodder, Dry	0.2	dry wt	CXL	01	35	
GC	0650 Rye	0.002	(*)	CXL	01	35	
VR	0596 Sugar beet	0.2		CXL	01	35	
AV	0596 Sugar beet leaves or tops	0.2	dry wt	CXL	01	35	
SO	0702 Sunflower seed	0.002	(*)	CXL	01	35	

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GC	0653	Triticale	0.002	(*)	CXL	01	35
GC	0654	Wheat	0.002	(*)	CXL	01	35

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Part 1 - 227

**203 Spinosad**

Main Uses 8 Insecticide

JMPR 01

ADI 0.02 mg/kg body weight (2001)

RESIDUE Sum of spinosyn A and spinosyn D (fat-soluble).

Residues in milk should be measured on the whole milk.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
AM	0660 Almond hulls	2		CXL	01	35	
TN	0660 Almonds	0.01	(*)	CXL	01	35	
FP	0226 Apple	0.1		CXL	01	35	
VB	0040 Brassica vegetables	2		CXL	01	35	
MO	1280 Cattle kidney	1		CXL	01	35	The MRL accommodates external animal treatment.
MO	1281 Cattle liver	2		CXL	01	35	The MRL accommodates external animal treatment.
MM	0812 Cattle meat	3	(fat)	CXL	01	35	The MRL accommodates external animal treatment.
ML	0812 Cattle milk	1		CXL	01	35	The MRL accommodates external animal treatment.
VS	0624 Celery	2		CXL	01	35	
FC	0001 Citrus fruits	0.3		CXL	01	35	
SO	0691 Cotton seed	0.01	(*)	CXL	01	35	
OC	0691 Cotton seed oil, Crude	0.01	(*)	CXL	01	35	
OR	0691 Cotton seed oil, Edible	0.01	(*)	CXL	01	35	
PE	0112 Eggs	0.01		CXL	01	35	
VC	0045 Fruiting vegetables, Cucurbits	0.2		CXL	01	35	
FI	0341 Kiwifruit	0.05		CXL	01	35	
VL	0053 Leafy vegetables	10		CXL	01	35	
VP	0060 Legume vegetables	0.3		CXL	01	35	
GC	0645 Maize	0.01	(*)	CXL	01	35	
AS	0645 Maize fodder	5		CXL	01	35	
AF	0645 Maize forage	5	dry wt	CXL	01	35	
VO	0051 Peppers	0.3		CXL	01	35	
VR	0589 Potato	0.01	(*)	CXL	01	35	

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PM	0110	Poultry meat	0.2	(fat)	CXL	01	35
MM	0822	Sheep meat	0.01	(*) (fat)	CXL	01	35
MO	0822	Sheep, Edible offal of	0.01	(*)	CXL	01	35
GC	0651	Sorghum	1		CXL	01	35
VD	0541	Soya bean (dry)	0.01	(*)	CXL	01	35
FS	0012	Stone fruits	0.2		CXL	01	35
VO	0447	Sweet corn (corn-on-the-cob)	0.01	(*)	CXL	01	35
VO	0448	Tomato	0.3		CXL	01	35
AS	0654	Wheat straw and fodder, Dry1			CXL	01	35

The MRL accommodates external animal treatment.  
The MRL accommodates external animal treatment.

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Part 1 - 229

**204 Esfenvalerate**

Main Uses 8 Insecticide

JMPR

ADI 0.02 mg/kg body weight (2002)

AcuteRfD 0.02 mg/kg body weight (2002)

RESIDUE Sum of fenvalerate isomers (fat-soluble).

Commodity		MRL		Step	JMPR	CCPR	Note
Code	Name						
SO	0691 Cotton seed	0.05		5	02	35	
PE	0112 Eggs	0.01	(*)	5	02	35	
PM	0110 Poultry meat	0.01	(*) (fat)	5	02	35	
PO	0111 Poultry, Edible offal of	0.01	(*)	5	02	35	
SO	0495 Rape seed	0.01	(*)	5	02	35	
VO	0448 Tomato	0.1		5	02	35	
GC	0654 Wheat	0.05		5	02	35	
AS	0654 Wheat straw and fodder, Dry2			5	02	35	

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**205 Flutolanil**

Main Uses 5 Fungicide

JMPR 02

ADI 0.09 mg/kg body weight (2002)

RESIDUE For plant commodities, flutolanil; for animal commodities, flutolanil and transformation products containing the 2-trifluoromethyl-benzoic acid moiety, expressed as flutolanil.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
PE 0112	Eggs	0.05	(*)	5	02	35	
MO 0098	Kidney of cattle, goats, pigs & sheep	0.1		5	02	35	
MO 0099	Liver of cattle, goats, pigs & sheep	0.2		5	02	35	
MM 0095	Meat (from mammals other than marine mammals)	0.05	(*)	5	02	35	
ML 0106	Milks	0.05	(*)	5	02	35	
PM 0110	Poultry meat	0.05	(*)	5	02	35	
PO 0111	Poultry, Edible offal of	0.05	(*)	5	02	35	
CM 1206	Rice bran, Unprocessed	10		5	02	35	
AS 0649	Rice straw and fodder, Dry	10		5	02	35	
CM 0649	Rice, Husked	2		5	02	35	
CM 1205	Rice, Polished	1		5	02	35	



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**206 Imidacloprid**

Main Uses 8 Insecticide

JMPR 02

ADI 0.06 mg/kg body weight (2002)

AcuteRfD 0.4 mg/kg body weight (2002)

RESIDUE Sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid.

Commodity Code	Name	MRL		Step	JMPR	CCPR	Note
FP 0226	Apple	0.5		5	02	35	
AB 0226	Apple pomace, Dry	5		5	02	35	
FS 0240	Apricot	0.5		5	02	35	
FI 0327	Banana	0.05		5	02	35	
AS 0640	Barley straw and fodder,	1	dry wt	5	02	35	
VP 0061	Beans, except broad bean and soya bean	2		5	02	35	
VB 0400	Broccoli	0.5		5	02	35	
VB 0402	Brussels sprouts	0.5		5	02	35	
VB 0041	Cabbages, Head	0.5		5	02	35	
VB 0404	Cauliflower	0.5		5	02	35	
GC 0080	Cereal grains	0.05		5	02	35	
FC 0001	Citrus fruits	1		5	02	35	
AB 0001	Citrus pulp, Dry	10		5	02	35	
VC 0424	Cucumber	1		5	0.2	35	
MO 0105	Edible offal (mammalian)	0.05		5	02	35	
VO 0440	Egg plant	0.2		5	02	35	
PE 0112	Eggs	0.02	(*)	5	02	35	
FB 0269	Grapes	1		5	02	35	
DH 1100	Hops, Dry	10		5	02	35	
VA 0384	Leek	0.05	(*)	5	02	35	
VL 0482	Lettuce, Head	2		5	02	35	
AS 0645	Maize fodder	0.2	dry wt	5	02	35	
AF 0645	Maize forage	0.5	dry wt	5	02	35	

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FI	0345	Mango	0.2		5	02	35
MM	0095	Meat (from mammals other than marine mammals)	0.02	(*)	5	02	35
VC	0046	Melons, except watermelon	0.2		5	02	35
ML	0106	Milks	0.02	(*)	5	02	35
FS	0245	Nectarine	0.5		5	02	35
AF	0647	Oat forage (green)	5		5	02	35
AS	0647	Oat straw and fodder, Dry	1		5	02	35
VA	0385	Onion, Bulb	0.1		5	02	35
FS	0247	Peach	0.5		5	02	35
FP	0230	Pear	1		5	02	35
TN	0672	Pecan	0.05		5	02	35
VO	0051	Peppers	1		5	02	35
FS	0014	Plums (including prunes)	0.2		5	02	35
VR	0589	Potato	0.5		5	02	35
PM	0110	Poultry meat	0.02	(*)	5	02	35
PO	0111	Poultry, Edible offal of	0.02	(*)	5	02	35
SO	0495	Rape seed	0.05	(*)	5	02	35
AF	0650	Rye forage (green)	5		5	02	35
AS	0650	Rye straw and fodder, Dry	1		5	02	35
VC	0431	Squash, Summer	1		5	02	35
VR	0596	Sugar beet	0.05	(*)	5	02	35
AV	0596	Sugar beet leaves or tops	5		5	02	35
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	5	02	35
VO	0448	Tomato	0.5		5	02	35
VC	0432	Watermelon	0.2		5	02	35
CM	0654	Wheat bran, Unprocessed	0.3		5	02	35
CF	1211	Wheat flour	0.03		5	02	35
AS	0654	Wheat straw and fodder, Dry1			5	02	35

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Part 1 - 233

**207 Cyprodinil**

Main Uses 5 Fungicide

JMPR 03

ADI 0-0.03 mg/kg body weight (2003)

AcuteRfD 0-0.03 mg/kg body weight (2003)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: cyprodinil (fat soluble).

- Note 1. No residues are expected in animal commodities from consumption of feed commodities with cyprodinil residues as evaluated by JMPR.  
 2. For cyradinil residues in milks, the MRL is calculated as 4% of the LOQ for milk fat (0.01 mg/kg). Milk fat is the fraction of the milk that is analyzed.

Commodity Code	Commodity Name	MRL	Step	JMPR	CCPR	Note
AM	0660 Almond hulls	0.05*	3	03		
TN	0660 Almonds	0.02*	3	03		
GC	0640 Barley	3	3	03		
VP	0061 Beans, except broad bean and soya bean	0.5	3	03		
VC	0424 Cucumber	0.2	3	03		
DF	0269 Dried grapes (=currants, raisins and sultanas)	5	3	03		
MO	0105 Edible offal (mammalian)	0.01*	3	03		
VO	0440 Egg plant	0.2	3	03		
PE	0112 Eggs	0.01*	3	03		
FB	0269 Grapes	3	3	03		
VL	0482 Lettuce, Head	10	3	03		
VL	0483 Lettuce, Leaf	10	3	03		
MM	0095 Meat (from mammals other than marine mammals)	0.01* (fat)	3	03		
ML	0106 Milks	0.0004*F	3	03		
VA	0385 Onion, Bulb	0.3	3	03		
FP	0230 Pear	1	3	03		
VO	0445 Peppers, Sweet	0.5	3	03		
PM	0110 Poultry meat	0.01* (fat)	3	03		
PO	0111 Poultry, Edible offal of	0.01*	3	03		
DF	0014 Prunes	5	3	03		

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FB	0272	Raspberries, Red, Black	0.5	3	03
VC	0431	Squash, Summer	0.2	3	03
FS	0012	Stone fruits	2	3	03
AS	0081	Straw and fodder (dry) of cereal grains	10	3	03
FB	0275	Strawberry	2	3	03
VO	0448	Tomato	0.5	3	03
GC	0654	Wheat	0.5	3	03
CM	0654	Wheat bran, Unprocessed	2	3	03

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**208 Famoxadone**

Main Uses 5 Fungicide

JMPR 03

ADI 0-0.006 mg/kg body weight (2003)

AcuteRfD 0.6 mg/kg body weight (2003)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: famoxadone (fat soluble)

Note No residues are expected in animal commodities from consumption of feed commodities with cyprodinil residues as evaluated by JMPR.

Commodity		MRL	Step	JMPR	CCPR	Note
Code	Name					
GC	0640 Barley	0.2	3	03		
AS	0640 Barley straw and fodder,	5	3	03		
VC	0424 Cucumber	0.2	3	03		
DF	0269 Dried grapes (=currants, raisins and sultanas)	5	3	03		
MO	0105 Edible offal (mammalian)	0.5	3	03		
PE	0112 Eggs	0.01*	3	03		Animal commodity, no residues expected from consumption of feed commodities with famoxadone as evaluated by JMPR.
AB	0269 Grape pomace, Dry	7	3	03		
FB	0269 Grapes	2	3	03		
MM	0095 Meat (from mammals other than marine mammals)	0.5	fat	3	03	
ML	0106 Milks	0.03(F)	3	03		
VR	0589 Potato	0.02*	3	03		
PM	0110 Poultry meat	0.01*	3	03		Animal commodity, no residues expected from consumption of feed commodities with famoxadone as evaluated by JMPR.
PO	0111 Poultry, Edible offal of	0.01*	3	03		Animal commodity, no residues expected from consumption of feed commodities with famoxadone as evaluated by JMPR.
VC	0431 Squash, Summer	0.2	3	03		
VO	0448 Tomato	2	3	03		
GC	0654 Wheat	0.1	3	03		
CM	0654 Wheat bran, Unprocessed	0.2	3	03		
AS	0654 Wheat straw and fodder, Dry7		3	03		

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**209 Methoxyfenozide**

Main Uses

JMPR 03

ADI 0-0.1 mg/kg body weight (2003)

AcuteRfD 0.9 mg/kg body weight (2003)

RESIDUE For compliance with MRLs and for estimation of dietary intake for plant and animal commodities: methoxyfenozide (fat soluble).

- Note 1. No residues are expected in animal commodities from consumption of feed commodities with cyprodinil residues as evaluated by JMPR.  
 2. The information provided to the JMPR precludes an estimation that the dietary intake would be below the acute intake RfD for children.

Commodity Code	Commodity Name	MRL		Step	JMPR	CCPR	Note
AM	0660 Almond hulls	50		3	03		
AB	0226 Apple pomace, Dry	7		3	03		
VB	0400 Broccoli	3		3	03		
VB	0041 Cabbages, Head	7		3	03		
VS	0624 Celery	15		3	03		
SO	0691 Cotton seed	7		3	03		
DF	0269 Dried grapes (=currants, raisins and sultanas)	3		3	03		
MO	0105 Edible offal (mammalian)	0.02		3	03		
PE	0112 Eggs	0.01		3	03		
FB	0269 Grapes	1		3	03		
VL	0482 Lettuce, Head	15		3	03		
VL	0483 Lettuce, Leaf	30		3	03		
GC	0645 Maize	0.02	(*)	3	03		
AS	0645 Maize fodder	60		3	03		
AF	0645 Maize forage	50		3	03		
MM	0095 Meat (from mammals other than marine mammals)	0.05	(fat)	3	03		
ML	0106 Milks	0.01		3	03		
VL	0485 Mustard greens	30		3	03		
VO	0051 Peppers	2		3	03		
FP	0009 Pome fruits	2		3	03		

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FP	0009	Pome fruits	2		3	03	
PM	0110	Poultry meat	0.01	(*)	3	03	Animal commodity, no residues expected from consumption of feed commodities with metoxyfenozone residues as evaluated by the JMPR.
PO	0111	Poultry, Edible offal of	0.01	(*)	3	03	Animal commodity, no residues expected from consumption of feed commodities with metoxyfenozone residues as evaluated by the JMPR.
DF	0014	Prunes	2		3	03	
VL	0502	Spinach	50		3	03	The information provided to the JMPR precludes an estimate that the dietary intake would be below the acute RfD for children.
FS	0012	Stone fruits	2		3	03	
VO	0447	Sweet corn (corn-on-the-cob)	0.02	(*)	3	03	
VO	0448	Tomato	2		3		
TN	0085	Tree nuts	0.1		3		

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**PART A.2**

**LIST OF EXTRANEEOUS RESIDUE LIMITS FOR PESTICIDES IN FOOD AND ANIMAL FEEDS**

**(At Various Steps of the Codex Procedure)**



**- Part A2 -**

Part 2 - 1

**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			
GC	0080 Cereal grains	0.02	CXL			
FC	0001 Citrus fruits	0.05	CXL			
PE	0112 Eggs	0.1	CXL			
VC	0045 Fruiting vegetables, Cucurbits	0.1	CXL			
VL	0053 Leafy vegetables	0.05	CXL			
VP	0060 Legume vegetables	0.05	CXL			
MM	0095 Meat (from mammals other than marine mammals)	0.2 (fat)	CXL			
ML	0106 Milks	0.006 F	CXL			
ML	0106 Milks	0.02		03		
FP	0009 Pome fruits	0.05	CXL			
PM	0110 Poultry meat	0.2 (fat)	CXL			
VD	0070 Pulses	0.05	CXL			
VR	0075 Root and tuber vegetables	0.1	CXL			

**- Part A2 -**

Part 2 - 2

**12 Chlordane**

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

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

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

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

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

**- Part A2 -**

Part 2 - 3

**21 DDT**

JMPR 65T, 66, 67, 68, 69, 78R, 79T, 80T, 83T, 84T, 93R, 94R, 96R, 00  
 PTDI 0.01 mg/kg body weight (2000)

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

Note Previous PTDI, 0.02 mg/kg (1984, converted to PTDI in 1994)

The CCPR-33 decided to propose to the CAC an EMRL of 5 mg/kg and a level of 3 mg/kg in square brackets and to ask the CAC to take a decision regarding the level, taking into account that the CCPR would not be able to reach consensus by deferring consideration of this matter to a later session. The CCPR also decided not to request a new evaluation of the monitoring data by the next meeting of JMPR.(33.195)

The CAC-24 decided to retain the current temporary EMRL of 5 mg/kg and agreed that the proposal to lower the EMRL to 1 mg/kg should be referred to the CCPR for further consideration (ALINORM 01/41, para. 145)

Code	Commodity Name	EMRL (mg/kg)	Step	JMPR	CCPR	Note
VR	0577 Carrot	0.2	CXL			
GC	0080 Cereal grains	0.1	CXL			
PE	0112 Eggs	0.1	CXL			
MM	0095 Meat (from mammals other than marine mammals)	5 (fat) T	CXL			
ML	0106 Milks	0.02 F	CXL			
PM	0110 Poultry meat	0.3	CXL	00	35	Add "(fat)"

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Part 2 - 4

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

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Part 2 - 5

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

**PART A.3**

**LIST OF PESTICIDES FOR WHICH GUIDELINE LEVELS HAVE BEEN SET**

**- Part A3 -**

Part 3 - 1

**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 last 24 h after fumigation and before
GC	0080 Cereal grains	5 Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
AO6	0001 Cocoa products	0.01 (*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF	0167 Dried fruits	0.01 (*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
DF	0167 Dried fruits	2 Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
AO4	0001 Milled cereals products	0.01 (*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
AO4	0001 Milled cereals products	1 Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
SO	0697 Peanut	0.01 (*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
SO	0697 Peanut	10 Po		79	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before
TN	0085 Tree nuts	0.01 (*) Po		79	31	To apply to commodity at point of retail sale or when offered for consumption
TN	0085 Tree nuts	10 Po		79, 85	31	To apply at point of entry into a country and, in case of cereal for milling, if product has been freely exposed to air for a period of at last 24 h after fumigation and before

- Part A3 -

Part 3 - 2

**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)



**ANNEX 1****MRL PERIODIC REVIEW PROCEDURE**

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

**PHASE I****IDENTIFY PERIODIC REVIEW CHEMICALS AND SOLICIT DATA COMMITMENTS**

(Year 1, CCPR Meeting)

**1. Identify Candidate Chemicals for Re-evaluation**

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

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

Tentative lists for several years may be prepared when feasible.

**2. Notify Data Owners or Other Parties of Candidate List**

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

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

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

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

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

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 Alimentarius Commission.

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

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

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

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

- Sufficient data are submitted to confirm the CXL and it remains in place.
- Sufficient data are submitted to support a new proposed MRL, it enters the process at Step 3. The CXL is automatically deleted no more than the 4 years after the new proposal enters the process.
- Insufficient data are submitted to confirm the CXL or support a proposed MRL the CCPR recommends deletion of the CXL.

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

**SUMMARY OF PERIODIC REVIEW PROCEDURE FOR CODEX MRLS**

