

codex alimentarius commission

FOOD AND AGRICULTURE
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WORLD HEALTH
ORGANIZATION

JOINT OFFICE: Viale delle Terme di Caracalla 00100 ROME Tel.: +39(06)57051 Telex: 625825-625853 FAO I E-mail: Codex@fao.org Facsimile: +39(06)5705.4593

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

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CONSIDERATION OF INTAKE OF PESTICIDE RESIDUES: REPORT ON PESTICIDE RESIDUE INTAKE STUDIES AT INTERNATIONAL AND NATIONAL LEVEL BASED ON REVISED GUIDELINES FOR PREDICTING DIETARY INTAKE OF PESTICIDE RESIDUES

PROGRESS REPORT BY WHO ON PREDICTION OF DIETARY INTAKE OF PESTICIDE RESIDUES¹

Following the methodology described in the "Guidelines for Predicting Dietary Intake of Pesticide Residues"², Theoretical Maximum Daily Intake (TMDI) and International Estimated Daily Intake (IEDI) calculations have been carried out by Global Environment Monitoring System / Food Contamination Monitoring and Assessment Programme (GEMS/Food) of WHO for all pesticides evaluated by the 1998 Joint FAO/WHO Meeting on Pesticides Residues (JMPR). In cases where only a portion of the STMRs have been determined, a combined TMDI/IEDI calculation was conducted which the JMPR has referred to as a Dietary Intake Estimate (DIE).

International exposure assessments are determined for the five GEMS/Food regional diets derived from selected FAO Food Balance Sheets (FBS)³. The GEMS/Food regional diets presently used include: Middle Eastern-, Far Eastern-, African-, Latin American-, and European-type diets. International exposure assessments are expressed as percentage of the corresponding pesticide's Acceptable Daily Intake (ADI) based on an average body weight of 60 kg. When relevant to the outcome of the calculation, the exposure assessment for the GEMS/Food Asian diet will use a body weight of 55 kg to calculate the ADI for an average person. However, no cases of this have occurred for pesticides reviewed by the 1998 JMPR.

The TMDI is calculated by multiplying the Codex established or proposed Maximum Residue Limit (MRL) by various average daily per capita consumption estimates for each food commodity based on the five GEMS/Food diets and then summing the products, as given by:

$$\text{TMDI} = \sum F_i \times \text{MRL}_i$$

where

F_i = GEMS/Food regional food consumption for a given food commodity
 MRL_i = Maximum Residue Limit corresponding to that food commodity

¹ Paper prepared by Dr G. Moy, Acting Team Coordinator, Food Safety Programme, Department for Protection of the Human Environment, Cluster on Sustainable Development and Healthy Environments, World Health Organization, Geneva, Switzerland

² *Guidelines for Predicting Dietary Intake of Pesticide Residues* (2nd revised edition), Document WHO/FSF/FOS/97.7, World Health Organization, Geneva (1997)

³ *GEMS/Food Regional Diets*, Document WHO/FSF/FOS/98.3, World Health Organization (1998)

The TMDI greatly over-estimates the true pesticide residue intake because, among other things, only a portion of a specific crop is treated with a specific pesticide, very few, if any, crops at harvest would contain residues at the Maximum Residue Limit, normally residues are reduced through storage, preparation, commercial processing and cooking and it is unlikely that each and every food for which an MRL is proposed will have been treated with the pesticide. Therefore, it should not be concluded that the proposed Codex MRLs are unacceptable when the TMDI exceeds the ADI. Instead, a TMDI calculation should be viewed as a cost-effective screening tool that may eliminate the need for further consideration of the intake of a pesticide residue. On the other hand, if the TMDI does not exceed the ADI, it is highly unlikely that the ADI would be exceeded in practice, provided that the main uses of the pesticide are covered by the Codex MRL. Thus, more refined predictions of pesticide residue intake are not necessary to resolve exposure concerns.

The IEDI is a more realistic prediction of pesticide residue intake. It is calculated using data on the supervised trial median residue levels and may include other improvements, such as edible portion of the commodity and effects of the preparation, processing, and cooking of food when sufficient data are available. The formula used to calculate the IEDI is given as follows:

$$\text{IEDI} = F_i \times \text{STML}_i \times E_i \times P_i \times C_i$$

where

F_i = Food consumption for the commodity in each cultural diet

STML_i = Supervised trial median level

E_i = Residue level in the edible portion of the commodity

P_i = Correction factor for commercial processing

C_i = Correction factor for preparation or cooking

Even when supervised trial median level data and other correction factors are available, the IEDI is still an overestimate of the true pesticide residue intake because the proportion of a crop treated with a pesticide is usually far less than 100% and because the possible effects on residues of storage and distribution are not taken into account.

If the IEDI exceeds the ADI, it is necessary to try to estimate more closely the true intake by calculating the National Estimated Daily Intake (NEDI). Calculation of the NEDI takes into account several correction factors which are only available at the national level. These are described in the current Guidelines (WHO, 1997). NEDI predictions should be performed at the national based on more detailed and accurate information on food consumption, domestic use of a given pesticide, the nature and the amount of imported food and, if appropriate, residue levels from monitoring and compliance programmes.

The summary of the TMDI/IEDI/DIE calculations for pesticide residues considered at the 1998 JMPR is given in Table 1. The results of these calculations are expressed as a percentage of the respective ADIs established by the JMPR and rounded to one significant figure for values less than 100% and to two significant figures for values 100% and over. The detailed TMDI/IEDI/DIE calculation sheets are attached as Annex 1. For six compounds, amitraz (122), bentazone (172), bitertanol (5), diphenylamine (30), ethoxyquin (35), and methiocarb (132), the calculated TMDIs did not exceed their ADIs for any of the GEMS/Food five regional diets. For fourteen pesticides, amitrole (79), benomyl (69), cardendazim (72), 2,4-D (20), demeton-S-methyl (73), dicloran (83), dinocap (87), hexachlorobenzene (44), kresoxim-methyl (199), maleic hydrazide (102), oxydemeton-methyl (166), phosmet (103), quintozone (64) and thiophanate-methyl, the calculated IEDIs did not exceed their ADIs in any of the regional diets. For four pesticides, glufosinate-ammonium (175), hexythiazox (176), myclobutanil (181) and procymidone (136), the DIEs were all less than the ADIs.

Only three of the twenty seven pesticides for which exposure assessment calculations were performed exceeded their respective ADIs. Dimethoate (27) which gives rise to significant residues of the more toxic omethoate (55) had IEDIs in which two of the five regional diets exceeded the ADI. Except for tomato, no other processing studies were available to further refine these estimates. For disulfoton (14), the calculated DIEs were above the ADI for all diets. However, STMRs were determined for only four of the twenty seven commodities with existing or proposed MRLs. Disulfoton

may be considered as a priority candidate for periodic re-evaluation by a future JMPR. Finally, the TMDIs for endosulfan (14) marginally exceeded the ADI (i.e. 120%) for only the European-type diet. Endosulfan is scheduled for periodic re-evaluation of residues by the 2000 JMPR and it is likely that the determination of STMRs will resolve further concerns related to dietary exposure to residues of this pesticide.

For two pesticides, folpet (41) and formothion (42), exposure assessments were not performed because all MRLs were proposed for withdrawal as in the case of the former or the ADI was withdrawn as in the case of the latter.

Finally, the 1998 JMPR established Acute Reference Doses for amitraz (122), dinocap (87), disulfoton (74), and phosmet (103). Short-term exposure assessments of acute hazards posed these pesticides will be undertaken after databases on large portion single day consumption for average adults and children ages 6 and under (eaters only) and typical commodity sizes (mean/median) has been established by WHO. Countries or organizations which have such data but have not yet submitted it to WHO are requested to do so at their earliest opportunity (see CL 1998/29 - PR).

TABLE 1. SUMMARY OF DIETARY INTAKE ESTIMATES FOR 1998 JMPR EVALUATIONS

CODE	NAME	ADI (mg/kg bw)	Dietary Intake 1/ (% of ADI)	Notes
122	AMITRAZ	0.01	2 – 20	TMDI
79	AMITROLE	0.003	All 0	IEDI
172	BENTAZONE	0.1	0 – 1	TMDI
5	BITERTANOL	0.01	2 – 30	TMDI
72	CARBENDAZIM	0.03	1 – 5	IEDI 2/
69	BENOMYL			
77	THIOPHANATE METHYL			
20	2,4-D	0.3	3 – 10	IEDI
73	DEMENTON-S-METHYL	0.0003	10 – 90	IEDI 3/
83	DICLORAN	0.01	0 – 20	IEDI
27	DIMETHOATE	0.002	20 – 200	IEDI 4/
87	DINOCAP	0.008	0 – 1	IEDI
30	DIPHENYLAMINE	0.08	0 – 4	TMDI
74	DISULFOTON	0.0003	150 – 840	DIE 5/
14	ENDOSULFAN	0.006	20 – 120	TMDI
35	ETHOXYQUIN	0.005	0 – 50	TMDI
41	FOLPET	0.1	-	6/
42	FORMOTHION	-	-	7/
175	GLUFOSINATE-AMMONIUM	0.02	3 – 10	DIE 5/
44	HEXACHLOROBENZENE	0.00016	0 – 1	IEDI 8/
176	HEXYTHIAZOX	0.03	0 – 5	DIE 5/
199	KRESOXIM-METHYL	0.4	All 0	IEDI
102	MALEIC HYDRAZIDE	0.3	1 – 8	IEDI
132	METHIOCARB	0.02	2 – 5	TMDI
181	MYCLOBUTANIL	0.03	0 – 4	DIE
166	OXYDEMOTON-METHYL	0.0003	9 – 90	IEDI 3/
103	PHOSMENT	0.01	0 – 40	IEDI
136	PROCYMIDONE	0.1	1 – 10	DIE 5/
64	QUINTOZENE	0.01	0 – 1	IEDI

1/ Range of rounded values from calculations based on the five GEMS/Food Regional Diets.

2/ Residues arising from the use of benomyl (69), carbendazim (72) and thiophanate-methyl (77) expressed as carbendazim are considered together for dietary intake purposes and compared to the ADI for carbendazim.

3/ Residues of demeton-S-methyl (73) and oxydemeton-methyl (166) are considered together for dietary intake purposes.

4/ Residues of dimethoate (27) and omethoate (55) expressed as dimethoate equivalents arising from the use of dimethoate are considered together for dietary intake purposes and are compared to the ADI for dimethoate.

5/ Dietary Intake Estimate (DIE) based on combination of MRLs and STMRs in estimating residues.

6/ All MRLs proposed for withdrawal.

7/ ADI withdrawn.

8/ Residues of hexachlorobenzene (44) arising from the use of quintozone(64).

DETAILED DIETARY INTAKE ESTIMATES FOR PESTICIDES EVALUATED BY 1998 JMPR

AMITRAZ (122)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day
MM 812	Cattle meat	0.05		18.5	0.0009	3.5	0.0002	10.4	0.0005	30.0	0.0015	63.3	0.0032
FS 13	Cherries	0.5		0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0015
SO 691	Cotton seed	0.5		0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
OC 691	Cotton seed oil, crude	0.05		3.8	0.0002	0.5	0.0000	0.5	0.0000	0.5	0.0000	0.0	0.0000
VC 424	Cucumber	0.5		4.8	0.0024	4.5	0.0023	0.0	0.0000	8.3	0.0041	9.0	0.0045
MO 97	Edible offal of cattle, pigs and sheep	0.2		3.8	0.0008	1.3	0.0003	2.3	0.0005	6.0	0.0012	12.3	0.0025
ML 106	Milks	0.01	(*)	116.8	0.0012	32.0	0.0003	41.8	0.0004	160.0	0.0016	294.0	0.0029
FC 4	Oranges, Sweet, Sour	0.5		31.5	0.0158	4.0	0.0020	4.8	0.0024	31.0	0.0155	29.8	0.0149
FS 247	Peach	0.5		2.5	0.0013	0.5	0.0003	0.0	0.0000	0.8	0.0004	12.5	0.0063
MM 818	Pig meat	0.05		0.0	0.0000	27.2	0.0014	2.6	0.0001	10.5	0.0005	75.8	0.0038
FP 9	Pome fruits	0.5		10.8	0.0054	7.5	0.0038	0.3	0.0001	6.5	0.0033	51.3	0.0257
MM 822	Sheep meat	0.1		13.5	0.0014	0.7	0.0001	2.0	0.0002	3.0	0.0003	10.3	0.0010
VO 448	Tomato	0.5		81.5	0.0408	7.0	0.0035	16.5	0.0083	25.5	0.0128	66.0	0.0330
TOTAL =				0.0699		0.0140		0.0126		0.0412		0.0991	
				% ADI =	12%	3%		2%		7%		17%	
ROUNDED				% ADI =	10%	3%		2%		7%		20%	

* = MRL established at or about LOD

AMITROLE (079)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.002 mg/kg body weight or 0.120 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European		
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day
FP 9	Pome fruits	0.05	0	1	(*)	0	10.8	0.0000	7.5	0.0000	0.3	0.0000	6.5	0.0000	51.3	0.0000	
FS 12	Stone fruits	0.05	0	1	(*)	0	7.3	0.0000	1.0	0.0000	0.0	0.0000	0.8	0.0000	22.8	0.0000	
FB 269	Grapes	0.05	0.02	1		0.02	15.8	0.0003	1.0	0.0000	0.0	0.0000	1.3	0.0000	13.8	0.0003	
TOTAL =							0.0003		0.0000		0.0000		0.0000		0.0003		
% ADI =							0%		0%		0%		0%		0%		0%

* = MRL established at or about LOD

BENTAZONE (172)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.1 mg/kg body weight or 6.000 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day
GC 640	Barley	0.05	(*)	1.0	0.0001	3.5	0.0002	1.8	0.0001	6.5	0.0003	19.8	0.0010
VD 71	Beans (dry)	0.05	(*)	2.3	0.0001	4.8	0.0002	0.0	0.0000	13.0	0.0007	3.6	0.0002
VD 523	Broad bean (dry)	0.05	(*)	4.5	0.0002	2.0	0.0001	0.0	0.0000	0.5	0.0000	0.8	0.0000
VP 526	Common bean (pods and/or immature seeds)	0.2		3.5	0.0007	0.8	0.0002	0.0	0.0000	4.0	0.0008	12.0	0.0024
PE 112	Eggs	0.05	(*)	14.6	0.0007	13.1	0.0007	3.7	0.0002	11.9	0.0006	37.6	0.0019
VD 561	Field pea (dry)	0.05	(*)	0.5	0.0000	1.7	0.0001	0.0	0.0000	1.3	0.0001	1.8	0.0001
VP 528	Garden pea (young pods)	0.2		5.5	0.0011	0.7	0.0001	0.0	0.0000	0.3	0.0001	14.0	0.0028
VP 534	Lima bean (young pods/immature beans)	0.05		0.4	0.0000	0.1	0.0000	0.0	0.0000	0.4	0.0000	1.2	0.0001
GC 645	Maize	0.05	(*)	48.3	0.0024	31.2	0.0016	106.2	0.0053	41.8	0.0021	8.8	0.0004
MM 95	Meat	0.05	(*)	37.0	0.0019	32.8	0.0016	23.8	0.0012	47.0	0.0024	155.5	0.0078
ML 106	Milks	0.05	(*)	116.8	0.0058	32.0	0.0016	41.8	0.0021	160.0	0.0080	294.0	0.0147
GC 647	Oats	0.05	(*)	0.0	0.0000	0.0	0.0000	0.2	0.0000	0.8	0.0000	2.0	0.0001
VA 385	Onion, bulb	0.1		23.0	0.0023	11.5	0.0012	7.3	0.0007	13.8	0.0014	27.8	0.0028
SO 697	Peanut	0.05		0.3	0.0000	0.2	0.0000	2.3	0.0001	0.3	0.0000	3.0	0.0002
VR 589	Potato	0.1		59.0	0.0059	19.2	0.0019	20.6	0.0021	40.8	0.0041	240.8	0.0241

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day
GC 649	Rice	0.1		48.8	0.0049	279.3	0.0279	103.4	0.0103	86.5	0.0087	11.8	0.0012
GC 650	Rye	0.05	(*)	0.0	0.0000	1.0	0.0001	0.0	0.0000	0.0	0.0000	1.5	0.0001
GC 651	Sorghum	0.05	(*)	2.0	0.0001	9.7	0.0005	26.6	0.0013	0.0	0.0000	0.0	0.0000
VD 541	Soya bean (dry)	0.05	(*)	4.5	0.0002	2.0	0.0001	0.5	0.0000	0.0	0.0000	0.0	0.0000
GC 654	Wheat	0.05	(*)	327.3	0.0164	114.8	0.0057	28.3	0.0014	116.8	0.0058	178.0	0.0089
TOTAL =				0.0428		0.0437		0.0249		0.0350		0.0686	
% ADI =				1%		1%		0%		1%		1%	

* = MRL established at or about LOD

BITERTANOL (144)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day
FS 240	Apricot	1		3.0	0.0030	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.5	0.0035
FI 327	Banana	0.5		8.3	0.0041	26.2	0.0131	21.0	0.0105	102.3	0.0511	22.8	0.0114
FS 13	Cherries	2		0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0060
VP 526	Common bean (pods and/or immature seeds)	0.5		3.5	0.0018	0.8	0.0004	0.0	0.0000	4.0	0.0020	12.0	0.0060
VC 424	Cucumber	0.5		4.8	0.0024	4.5	0.0023	0.0	0.0000	8.3	0.0041	9.0	0.0045
FS 245	Nectarine	1		1.3	0.0013	0.3	0.0003	0.0	0.0000	0.4	0.0004	6.3	0.0063
GC 647	Oats	0.1	(*)	0.0	0.0000	0.0	0.0000	0.2	0.0000	0.8	0.0001	2.0	0.0002
FS 247	Peach	1		1.3	0.0013	0.3	0.0003	0.0	0.0000	0.4	0.0004	6.2	0.0062
SO 697	Peanut	0.1	(*)	0.3	0.0000	0.2	0.0000	2.3	0.0002	0.3	0.0000	3.0	0.0003
FS 14	Plums (including Prunes)	2		1.8	0.0035	0.5	0.0010	0.0	0.0000	0.0	0.0000	4.3	0.0086
FP 9	Pome fruits	2		10.8	0.0215	7.5	0.0150	0.3	0.0005	6.5	0.0130	51.3	0.1026
GC 650	Rye	0.1	(*)	0.0	0.0000	1.0	0.0001	0.0	0.0000	0.0	0.0000	1.5	0.0002
GC 654	Wheat	0.1	(*)	327.3	0.0327	114.8	0.0115	28.3	0.0028	116.8	0.0117	178.0	0.0178
TOTAL =				0.0715		0.0439		0.0141		0.0828		0.1735	
% ADI =				12%		8%		2%		14%		29%	
ROUNDED % ADI =				10%		8%		2%		10%		30%	

* = MRL established at or about LOD

CARBENDAZIM (072)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.03 mg/kg body weight or 1.800 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FI 327	Banana	0.2	0.03	1	B	0.03	8.3	0.0002	26.2	0.0008	21.0	0.0006	102.3	0.0031	22.8	0.0007
GC 640	Barley	0.5	0.05	1	C	0.05	1.0	0.0001	3.5	0.0002	1.8	0.0001	6.5	0.0003	19.8	0.0010
VD 71	Beans (dry)	0.5	0.165	1	T	0.165	6.8	0.0011	6.8	0.0011	0.0	0.0000	13.5	0.0022	4.3	0.0007
VB 402	Brussels sprouts	0.5	0.065	1	B	0.065	0.5	0.0000	1.0	0.0001	0.0	0.0000	1.1	0.0001	2.7	0.0002
VR 577	Carrot	0.2	0.04	1	B	0.04	2.8	0.0001	2.5	0.0001	0.0	0.0000	6.3	0.0003	22.0	0.0009
MM 812	Cattle meat	0.05	0	1	(*) B	0	18.5	0.0000	3.5	0.0000	10.4	0.0000	30.0	0.0000	63.3	0.0000
VC 424	Cucumber	0.05	0.03	1	(*) B	0.03										
VC 424	Cucumber	0.05	0.05	1	(*) C	0.05	2.4	0.0001	2.3	0.0001	0.0	0.0000	4.1	0.0002	4.5	0.0002
MO 105	Edible offal (mammalian)	0.05	0	1	(*) B	0	4.2	0.0000	1.4	0.0000	2.4	0.0000	6.1	0.0000	12.4	0.0000
PE 112	Eggs	0.05	0	1	B	0	14.6	0.0000	13.1	0.0000	3.7	0.0000	11.9	0.0000	37.6	0.0000
VP 529	Garden pea, shelled	0.02	0.01	1	T	0.01	4.0	0.0000	0.5	0.0000	0.0	0.0000	0.2	0.0000	10.1	0.0001
VC 425	Gherkin	0.05	0.03	1	B	0.03										
VC 425	Gherkin	0.05	0.05	1	C	0.05	2.4	0.0001	2.3	0.0001	0.0	0.0000	4.1	0.0002	4.5	0.0002
FB 269	Grapes	3	0.87	1	T	0.870	15.8	0.0137	1.0	0.0009	0.0	0.0000	1.3	0.0011	13.8	0.0120
FB 269	Grapes	3	0.84	1	B	0.84										
ML 106	Milks	0.05	0	1	(*) B	0	116.8	0.0000	32.0	0.0000	41.8	0.0000	160.0	0.0000	294.0	0.0000
FC 4	Oranges, Sweet, Sour	1	0.325	1	B	0.325	31.5	0.0102	4.0	0.0013	4.8	0.0016	31.0	0.0101	29.8	0.0097
FJ 4	Orange juice		0.13	1	B	0.3	29.2	0.0088	4.0	0.0012	4.8	0.0015	1.2	0.0004	18.0	0.0054
FS 247	Peach	2	0.255	1	B	0.255	2.5	0.0006	0.5	0.0001	0.0	0.0000	0.8	0.0002	12.5	0.0032
FI 393	Pineapple	5	0.03	1	B	0.03	0.0	0.0000	9.3	0.0003	2.6	0.0001	15.5	0.0005	1.3	0.0000
FS 14	Plums (including prunes)	0.5	0.06	1	B	0.06	1.8	0.0001	0.5	0.0000	0.0	0.0000	0.0	0.0000	3.8	0.0002
FP 9	Pome fruits	3	0.6	1	B	0.60	10.8	0.0065	7.5	0.0045	0.3	0.0002	6.5	0.0039	51.3	0.0308
FP 9	Pome fruits	3	0.555	1	T	0.555										
FP 9	Pome Fruits	3	0.455	1	C	0.455										
PM 110	Poultry meat	0.05	0	1	(*) B	0	31.0	0.0000	13.2	0.0000	5.5	0.0000	25.3	0.0000	53.0	0.0000
SO 697	Rape seed	0.05	0	1	(*) C	0	0.3	0.0000	0.2	0.0000	2.3	0.0000	0.3	0.0000	3.0	0.0000
CM 649	Rice, husked	2	0.05	1	B	0.05	48.8	0.0024	279.3	0.0140	103.4	0.0052	86.5	0.0043	11.8	0.0006
VO 448	Tomato	0.5	0.045	1	B	0.045										
VO 448	Tomato	0.5	0.16	1	C	0.16	81.5	0.0130	7.0	0.0011	16.5	0.0026	25.5	0.0041	66.0	0.0106
GC 654	Wheat	0.05	0.01	1	T	0.01										
GC 654	Wheat	0.05	0.03	1	B	0.03	327.3	0.0098	114.8	0.0034	28.3	0.0009	116.8	0.0035	178.0	0.0053
							TOTAL =	0.0668		0.0285		0.012		0.0313		0.0811
							% ADI =	4%		2%		1%		2%		5%

1/ Residues resulting from the use of benomyl (69), carbendazim (72), and thiophanate-methyl (77) are considered together as carbendazim and are compared to the ADI for carbendazim.

2/ For commodities which had STMRs for more than one compound, the highest STMR value (underlined) was used for the dietary intake calculation.

C = Residues of carbendazim arising from the use of carbendazim (72)

B = Residues of carbendazim and benomyl expressed as carbendazim arising from the use of benomyl (69)

T = Residues of carbendazim and thiophanate-methyl expressed as carbendazim arising from the use of thiophanate-methyl (77)

* = MRL established at or about the LOD

2,4-D (020)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FB 18	Berries and other small fruits	0.1	0.05	1	(*)	0.05	0.0	0.0000	16.0	0.0008	1.0	0.0001	0.0	0.0000	1.5	0.0001
MO 105	Edible offal (mammalian)	10	2.75	1		2.75	4.2	0.0116	1.4	0.0039	2.4	0.0066	6.1	0.0168	12.4	0.0341
PE 112	Eggs	0.01	0	1	(*)	0	14.6	0.0000	13.1	0.0000	3.7	0.0000	11.9	0.0000	37.6	0.0000
FB 269	Grapes		0	1		0	15.8	0.0000	1.0	0.0000	0.0	0.0000	1.3	0.0000	13.8	0.0000
FC 203	Grapefruit	0.1	0.05	1		0.05	1.5	0.0001	0.9	0.0000	0.1	0.0000	3.3	0.0002	2.0	0.0001
GC 645	Maize	0.05	0.01	1	(*)	0.01	16.5	0.0002	0.0	0.0000	0.0	0.0000	1.5	0.0000	0.0	0.0000
CF 1255	Maize flour		0.01	1		0.01	31.8	0.0003	31.2	0.0003	106.2	0.0011	40.3	0.0004	8.8	0.0001
MM 95	Meat	0.2	0.125	1	1/	0.125	37.0	0.0046	32.8	0.0041	23.8	0.0030	47.0	0.0059	155.5	0.0194
ML 106	Milks	0.1	0.043	1		0.043	116.8	0.0050	32.0	0.0014	41.8	0.0018	160.0	0.0069	294.0	0.0126
FC 4	Oranges, Sweet, Sour	0.1	0.05	1		0.05	31.5	0.0016	4.0	0.0002	4.8	0.0002	31.0	0.0016	29.8	0.0015
JF 4	Orange juice concentrated		0.02	1	2/	0.02	7.3	0.0001	0.0	0.0000	0.0	0.0000	0.3	0.0000	4.5	0.0001
FP 9	Pome fruits	0.01	0	1	(*)	0	10.8	0.0000	7.5	0.0000	0.3	0.0000	6.5	0.0000	51.3	0.0000
VR 589	Potato	0.2	0.05	1		0.05	59.0	0.0030	19.2	0.0010	20.6	0.0010	40.8	0.0020	240.8	0.0120
PM 110	Poultry meat	0.05	0	1	(*)	0	31.0	0.0000	13.2	0.0000	5.5	0.0000	25.3	0.0000	53.0	0.0000
PO 111	Poultry, edible offal of	0.05	0	1	(*)	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.4	0.0000	0.4	0.0000
CM 649	Rice, husked	0.1	0.01	1		0.01	48.8	0.0005	279.3	0.0028	103.4	0.0010	86.5	0.0009	11.8	0.0001
GC 650	Rye	2	0.22	1		0.22	0.0	0.0000	1.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0003
GC 651	Sorghum	0.01	0.01	1		0.01	2.0	0.0000	9.7	0.0001	26.6	0.0003	0.0	0.0000	0.0	0.0000
VD 541	Soya bean (dry)	0.01	0	1	(*)	0	4.5	0.0000	2.0	0.0000	0.5	0.0000	0.0	0.0000	0.0	0.0000
FS 12	Stone fruits	0.05	0	1	(*)	0	0.0	0.0000	7.5	0.0000	1.0	0.0000	0.0	0.0000	0.8	0.0000
GS 659	Sugar cane	0.02	0.01	1		0.01	18.5	0.0002	7.3	0.0001	15.9	0.0002	3.5	0.0000	0.0	0.0000
VO 447	Sweet corn (corn-on-the-cob)	0.05	0.05	1	(*)	0.05	0.0	0.0000	0.0	0.0000	4.4	0.0002	0.0	0.0000	8.3	0.0004
TN 85	Tree nuts	0.2	0.05	1		0.05	1.0	0.0001	13.5	0.0007	3.4	0.0002	17.5	0.0009	3.8	0.0002
GC 654	Wheat	2	0.22	1		0.22	4.3	0.0009	0.8	0.0002	0.0	0.0000	4.8	0.0010	2.3	0.0005
CF 654	Wheat bran		0.803	1		0.803	0.1	0.0001	0.1	0.0001	0.1	0.0001	0.1	0.0001	0.1	0.0001

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
CF 1211	Wheat flour		0.024	1		0.024	323.0	0.0078	114.0	0.0027	28.3	0.0007	112.0	0.0027	175.8	0.0042
							TOTAL =	0.0359		0.0185		0.0164		0.0393		0.0859
							% ADI =	6%		3%		3%		7%		14%
							ROUNDED % ADI =	6%		3%		3%		7%		10%

1/ Except marine mammals

2/ Based on STMR for orange juice of 0.005 mg/kg and a concentration factor of 4: 1

* = MRL established at or about LOD

DICLORAN (083)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VR 577	Carrot	15	6.11	1		6.11	2.8	0.0168	2.5	0.0153	0.0	0.0000	6.3	0.0382	22.0	0.1344
VA 385	Onion, bulb	0.2	0.1	1		0.1	23.0	0.0023	11.5	0.0012	7.3	0.0007	13.8	0.0014	27.8	0.0028
							TOTAL =	0.0191		0.0164		0.0007		0.0396		0.1372
							% ADI =	3%		3%		0%		7%		23%
							ROUNDED % ADI =	3%		3%		0%		7%		20%

DIMETHOATE (027)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.002 mg/kg body weight or 0.120 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VS 621	Asparagus	0.05	0.02				0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0000
VS 621	Asparagus		0.02	10	1/	0.2	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0003
GC 640	Barley	2	0.26				1.0	0.0003	3.5	0.0009	1.8	0.0005	6.5	0.0017	19.8	0.0051

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
GC 640	Barley		0.015	10	1/	0.15	1.0	0.0002	3.5	0.0005	1.8	0.0003	6.5	0.0010	19.8	0.0030
VB 402	Brussels sprouts	1	0.065				0.5	0.0000	1.0	0.0001	0.0	0.0000	1.1	0.0001	2.7	0.0002
VB 402	Brussels sprouts		0.03	10	1/	0.3	0.5	0.0002	1.0	0.0003	0.0	0.0000	1.1	0.0003	2.7	0.0008
VB 41	Cabbages, head	2	0.46				4.5	0.0021	8.7	0.0040	0.0	0.0000	9.5	0.0043	24.1	0.0111
VB 41	Cabbages, head		0.165	10	1/	1.65	4.5	0.0074	8.7	0.0144	0.0	0.0000	9.5	0.0156	24.1	0.0397
VB 403	Cabbages, Savoy	0.05	0.02		(*)		0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
VB 403	Cabbages, Savoy		0.175	10	1/	1.75	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002
MO 812	Cattle, edible offal of	0.05	0		(*)		2.5	0.0000	0.3	0.0000	1.8	0.0000	5.0	0.0000	6.0	0.0000
VB 404	Cauliflower	0.5	0.065				1.3	0.0001	1.5	0.0001	0.0	0.0000	0.3	0.0000	13.0	0.0008
VB 404	Cauliflower		0.01	10	1/	0.1	1.3	0.0001	1.5	0.0002	0.0	0.0000	0.3	0.0000	13.0	0.0013
FS 13	Cherries	2	0.06				0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0002
FS 13	Cherries		0.27	10	1/	2.7	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0081
PE 112	Eggs	0.05	0		(*)		14.6	0.0000	13.1	0.0000	3.7	0.0000	11.9	0.0000	37.6	0.0000
FB 269	Grapes	2	0.48				15.8	0.0076	1.0	0.0005	0.0	0.0000	1.3	0.0006	13.8	0.0066
FB 269	Grapes		0.11	10	1/	1.1	15.8	0.0173	1.0	0.0011	0.0	0.0000	1.3	0.0014	13.8	0.0151
VL 482	Lettuce, head	0.5	0.02				2.3	0.0000	0.0	0.0000	0.0	0.0000	5.8	0.0001	22.5	0.0005
VL 482	Lettuce, head		0.03	10	1/	0.3	2.3	0.0007	0.0	0.0000	0.0	0.0000	5.8	0.0017	22.5	0.0068
MF 100	Mammalian fats	0.05	0		(*)		0.7	0.0000	1.7	0.0000	0.7	0.0000	4.4	0.0000	7.6	0.0000
MF 100	Mammalian fats		0	10	1/	0	0.7	0.0000	1.7	0.0000	0.7	0.0000	4.4	0.0000	7.6	0.0000
MM 96	Meat of cattle, goats, horses, pigs & sheep	0.05	0		(*)		34.0	0.0000	32.0	0.0000	17.5	0.0000	44.3	0.0000	150.3	0.0000
MM 96	Meat of cattle, goats, horses, pigs & sheep		0	10	1/	0	34.0	0.0000	32.0	0.0000	17.5	0.0000	44.3	0.0000	150.3	0.0000
ML 107	Milk of cattle, goats & sheep	0.05	0		(*)		114.5	0.0000	32.0	0.0000	41.3	0.0000	160.0	0.0000	294.0	0.0000
ML 107	Milk of cattle, goats & sheep		0	10	1/	0	114.5	0.0000	32.0	0.0000	41.3	0.0000	160.0	0.0000	294.0	0.0000
VA 385	Onion, bulb	0.05	0.02		(*)		23.0	0.0005	11.5	0.0002	7.3	0.0001	13.8	0.0003	27.8	0.0006
VA 385	Onion, bulb		0.02	10	1/	0.2	23.0	0.0046	11.5	0.0023	7.3	0.0015	13.8	0.0028	27.8	0.0056
FP 9	Pome fruits	0.5	0.07				10.8	0.0008	7.5	0.0005	0.3	0.0000	6.5	0.0005	51.3	0.0036
FP 9	Pome fruits		0.05	10	1/	0.5	10.8	0.0054	7.5	0.0038	0.3	0.0001	6.5	0.0033	51.3	0.0257
VP 63	Peas	1	0.065				5.5	0.0004	0.7	0.0000	0.0	0.0000	0.2	0.0000	10.1	0.0007
VP 63	Peas		0.02	10	1/	0.2	5.5	0.0011	0.7	0.0001	0.0	0.0000	0.2	0.0000	10.1	0.0020
FS 14	Plums (including prunes)	1	0.1				1.8	0.0002	0.5	0.0001	0.0	0.0000	0.0	0.0000	4.3	0.0004
FS 14	Plums (including Prunes)		0.05	10	1/	0.5	1.8	0.0009	0.5	0.0003	0.0	0.0000	0.0	0.0000	4.3	0.0022
VR 589	Potato	0.05	0.01				59.0	0.0006	19.2	0.0002	20.6	0.0002	40.8	0.0004	240.8	0.0024
VR 589	Potato		0.01	10	1/	0.1	59.0	0.0059	19.2	0.0019	20.6	0.0021	40.8	0.0041	240.8	0.0241
PO 111	Poultry, edible offal of	0.05	0		(*)		0.1	0.0000	0.1	0.0000	0.1	0.0000	0.4	0.0000	0.4	0.0000
PO 111	Poultry, edible offal of		0	10	1/	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.4	0.0000	0.4	0.0000
PF 111	Poultry fats	0.05	0		(*)		3.1	0.0000	1.3	0.0000	0.6	0.0000	2.5	0.0000	5.3	0.0000
PF 111	Poultry fats		0	10	1/	0	3.1	0.0000	1.3	0.0000	0.6	0.0000	2.5	0.0000	5.3	0.0000

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
PM 110	Poultry meat	0.05	0		(*)		31.0	0.0000	13.2	0.0000	5.5	0.0000	25.3	0.0000	53.0	0.0000
PM 110	Poultry meat		0	10	1/	0	31.0	0.0000	13.2	0.0000	5.5	0.0000	25.3	0.0000	53.0	0.0000
MO 822	Sheep, edible offal of	0.05	0		(*)		1.3	0.0000	0.0	0.0000	0.5	0.0000	0.0	0.0000	1.3	0.0000
MO 822	Sheep, edible offal of		0	10	1/	0	1.3	0.0000	0.0	0.0000	0.5	0.0000	0.0	0.0000	1.3	0.0000
GC 651	Sorghum	0.01	0.01		(*)		2.0	0.0000	9.7	0.0001	26.6	0.0003	0.0	0.0000	0.0	0.0000
GC 651	Sorghum		0.01	10	1/	0.1	2.0	0.0002	9.7	0.0010	26.6	0.0027	0.0	0.0000	0.0	0.0000
VR 596	Sugar beet	0.05	0.01				0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0000
VR 596	Sugar beet		0.01	10	1/	0.1	0.5	0.0001	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0002
VO 448	Tomato	2	0.21				44.1	0.0093	5.7	0.0012	14.6	0.0031	25.5	0.0054	42.2	0.0089
VO 448	Tomato		0.05	10	1/	0.5	44.1	0.0221	5.7	0.0029	14.6	0.0073	25.5	0.0128	42.2	0.0211
VJ 448	Tomato juice		0.03			0.03	0.3	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	2.0	0.0001
VJ 448	Tomato juice		0.009	10	1/	0.09	0.3	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	2.0	0.0002
	Tomato paste		0.6			0.6	5.8	0.0035	0.2	0.0001	0.3	0.0002	0.0	0.0000	4.0	0.0024
	Tomato paste		0.07	10	1/	0.7	5.8	0.0040	0.2	0.0001	0.3	0.0002	0.0	0.0000	4.0	0.0028
VR 506	Turnip, garden	0.1	0.1				0.5	0.0001	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0002
VR 506	Turnip, garden		0.1	10	1/	1	0.5	0.0005	0.0	0.0000	0.0	0.0000	0.3	0.0003	2.0	0.0020
GC 654	Wheat	0.2	0.09				327.3	0.0295	114.8	0.0103	28.3	0.0026	116.8	0.0105	178.0	0.0160
GC 654	Wheat		0.01	10	1/	0.1	327.3	0.0327	114.8	0.0115	28.3	0.0028	116.8	0.0117	178.0	0.0178
							TOTAL =	0.1581		0.0587		0.0239		0.0789		0.2384
							% ADI =	132%		49%		20%		66%		199%
							ROUNDED % ADI =	130%		50%		20%		70%		200%

* = MRL established at or about the LOD

1/ Includes residues of omethoate arising from the use of dimethoate

2/ Residues of omethoate adjusted for their greater toxicity (factor of 10) than those of dimethoate

DINOCAP (087)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.008 mg/kg body weight or 0.480 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FP 226	Apple	0.2	0.05	1		0.05	7.5	0.0004	4.7	0.0002	0.3	0.0000	5.5	0.0003	40.0	0.0020
FB 269	Grapes	1	0.105	1		0.105	15.8	0.0017	1.0	0.0001	0.0	0.0000	1.3	0.0001	13.8	0.0014
FB 275	Strawberry	0.5	0.06	1		0.06	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	5.3	0.0003
FS 247	Peach	0.1	0.05	1		0.05	2.5	0.0001	0.5	0.0000	0.0	0.0000	0.8	0.0000	12.5	0.0006

VO 51	Pepper	0.2	0.06	1		0.06	3.4	0.0002	2.1	0.0001	5.4	0.0003	2.4	0.0001	10.4	0.0006
VC 45	Fruiting vegetables, cucurbits	0.05	0.05	1	(*)	0.05	80.5	0.0040	18.2	0.0009	0.0	0.0000	30.5	0.0015	38.5	0.0019
TOTAL =									0.0064	0.0014	0.0003	0.0021	0.0069			
% ADI =									1%	0%	0%	0%	1%			

* = MRL established at or about the LOD

DIPHENYLAMINE (030)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.08 mg/kg body weight or 4.800 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day	Diet g/day	TMDI mg/day
FP 226	Apple	5		7.5	0.0375	4.7	0.0233	0.3	0.0013	5.5	0.0275	40.0	0.2000
TOTAL =				0.0375	4.7	0.0233	0.3	0.0013	5.5	0.0275	40.0	0.2000	
% ADI =				1%	1%	0%	1%	4%					

DISULFOTON (074)

DIETARY INTAKE ESTIMATE (DIE)

ADI = 0.0003 mg/kg body weight or 0.018 mg/person

Commodity						Middle Eastern		Far Eastern		African		Latin American		European		
Code	Name	MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VS 621	Asparagus	0.02		1	1/	0.02	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0000
GC 640	Barley	0.2	0.02	1		0.02	1.0	0.0000	3.5	0.0001	1.8	0.0000	6.5	0.0001	19.8	0.0004
VD 71	Beans (dry)	0.2	0.01	1		0.01	6.8	0.0001	6.8	0.0001	0.0	0.0000	13.5	0.0001	4.3	0.0000
VB 400	Broccoli	0.1	0.025	1		0.025	0.5	0.0000	1.0	0.0000	0.0	0.0000	1.1	0.0000	2.7	0.0001
VB 41	Cabbages, Head	0.2	0.02	1		0.02	4.5	0.0001	8.7	0.0002	0.0	0.0000	9.5	0.0002	24.1	0.0005
VB 404	Cauliflower	0.05	0.01	1		0.01	1.3	0.0000	1.5	0.0000	0.0	0.0000	0.3	0.0000	13.0	0.0001
SB 716	Coffee beans	0.2		0.3	1/ 2/	0.06	5.3	0.0003	0.4	0.0000	0.0	0.0000	3.6	0.0002	7.9	0.0005
VP 526	Common bean (pods and/or immature seeds)	0.2		1	1/	0.2	3.5	0.0007	0.8	0.0002	0.0	0.0000	4.0	0.0008	12.0	0.0024
SO 691	Cotton seed	0.1	0.03	1		0.03	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
PE 840	Eggs, chicken	0.02		1	1/	0.02	14.5	0.0003	13.0	0.0003	3.6	0.0001	11.8	0.0002	37.5	0.0008
VP 529	Garden pea, shelled	0.02	0.01	1		0.01	5.5	0.0001	0.7	0.0000	0.0	0.0000	0.3	0.0000	14.0	0.0001

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VL 482	Lettuce, Head	1	0.05	1		0.05	2.3	0.0001	0.0	0.0000	0.0	0.0000	5.8	0.0003	22.5	0.0011
VL 483	Lettuce, Leaf	1	0.11	1		0.11	2.3	0.0002	0.0	0.0000	0.0	0.0000	5.8	0.0006	22.5	0.0025
GC 645	Maize	0.02	0.01	1	(*)	0.01	16.5	0.0002	0.0	0.0000	0.0	0.0000	1.5	0.0000	0.0	0.0000
CF 1255	Maize flour		0.0025	0.25	3/	0.000625	31.8	0.0000	31.2	0.0000	106.2	0.0001	40.3	0.0000	8.8	0.0000
ML 107	Milks	0.01		1	1/	0.01	114.5	0.0011	32.0	0.0003	41.3	0.0004	160.0	0.0016	294.0	0.0029
GC 647	Oats	0.02	0	1		0	0.0	0.0000	0.0	0.0000	0.2	0.0000	0.8	0.0000	2.0	0.0000
SO 697	Peanut	0.1	0.01	1		0.01	0.3	0.0000	0.2	0.0000	2.3	0.0000	0.3	0.0000	3.0	0.0000
TN 672	Pecan	0.1	0.01	1		0.01	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000
FI 353	Pineapple	0.1	0	1		0	0.0	0.0000	0.8	0.0000	10.2	0.0000	3.1	0.0000	15.8	0.0000
VR 589	Potato	0.5	0.08	0.44	4/	0.0352	59.0	0.0021	19.2	0.0007	20.6	0.0007	40.8	0.0014	240.8	0.0085
PM 110	Poultry meat	0.02		1	1/	0.02	31.0	0.0006	13.2	0.0003	5.5	0.0001	25.3	0.0005	53.0	0.0011
VR 591	Radish, Japanese	0.2	0.025	1		0.025	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
GC 649	Rice	0.5		1	1/	0.5	48.8	0.0244	279.3	0.1397	103.4	0.0517	86.5	0.0433	11.8	0.0059
GC 651	Sorghum	1		1	1/	1	2.0	0.0020	9.7	0.0097	26.6	0.0266	0.0	0.0000	0.0	0.0000
GC 654	Wheat	0.2	0.02	1		0.02	4.3	0.0001	0.8	0.0000	0.0	0.0000	4.8	0.0001	2.3	0.0000
CF 1211	Wheat flour		0.004	0.21		0.00084	323.0	0.0003	114.0	0.0001	28.3	0.0000	112.0	0.0001	175.8	0.0001
							TOTAL =	0.0327		0.1515		0.0798		0.0497		0.0271
							% ADI =	182%		842%		443%		276%		151%
							ROUNDED % ADI =	180%		840%		440%		280%		150%

* = MRL established at or about the LOD

1/ STMR not determined

2/ Processing factor based on roasting

3/ Processing factor based on milling

4/ Processing factor based on peeling and boiling

ENDOSULFAN (032)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.006 mg/kg body weight or 0.360 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VP 522	Broad bean (green pods/immature seeds)	0.5		0.4	0.0002	0.1	0.0000	0.0	0.0000	0.4	0.0002	1.2	0.0006
VB 400	Broccoli	0.5		0.5	0.0003	1.0	0.0005	0.0	0.0000	1.1	0.0005	2.7	0.0013
VB 41	Cabbages, head	1		4.5	0.0045	8.7	0.0087	0.0	0.0000	9.5	0.0095	24.1	0.0241
VB 403	Cabbage, Savoy	2		0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
SB 715	Cacao beans	0.1		0.5	0.0001	0.0	0.0000	0.0	0.0000	1.3	0.0001	3.1	0.0003
VR 577	Carrot	0.2		2.8	0.0006	2.5	0.0005	0.0	0.0000	6.3	0.0013	22.0	0.0044
VB 404	Cauliflower	0.5		1.3	0.0006	1.5	0.0008	0.0	0.0000	0.3	0.0001	13.0	0.0065
VS 624	Celery	2		0.5	0.0010	0.0	0.0000	0.0	0.0000	0.3	0.0005	2.0	0.0040
FS 13	Cherries	1		0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0030
SB 716	Coffee beans	0.1		5.3	0.0005	0.4	0.0000	0.0	0.0000	3.6	0.0004	7.9	0.0008
VP 526	Common bean (pods and/or immature seeds)	0.5		3.5	0.0018	0.8	0.0004	0.0	0.0000	4.0	0.0020	12.0	0.0060
OC 691	Cotton seed oil, crude	0.5		3.8	0.0019	0.5	0.0003	0.5	0.0003	0.5	0.0003	0.0	0.0000
VC 424	Cucumber	0.5		4.8	0.0024	4.5	0.0023	0.0	0.0000	8.3	0.0041	9.0	0.0045
VP 528	Garden pea (young pods)	0.5		5.5	0.0028	0.7	0.0003	0.0	0.0000	0.3	0.0001	14.0	0.0070
FB 269	Grapes	1		15.8	0.0158	1.0	0.0010	0.0	0.0000	1.3	0.0013	13.8	0.0138
VL 480	Kale	1		0.5	0.0005	0.0	0.0000	0.0	0.0000	0.3	0.0003	2.0	0.0020
VL 482	Lettuce, Head	1		1.2	0.0012	0.0	0.0000	0.0	0.0000	2.9	0.0029	22.5	0.0225
VL 483	Lettuce, Leaf	1		1.1	0.0011	0.0	0.0000	0.0	0.0000	2.9	0.0029	11.3	0.0113
GC 645	Maize	0.1		48.3	0.0048	31.2	0.0031	106.2	0.0106	41.8	0.0042	11.3	0.0011
MM 95	Meat	0.1	(fat)	7.4	0.0007	6.6	0.0007	4.8	0.0005	9.4	0.0009	31.1	0.0031
VC 46	Melons, except Watermelon	0.5		16.0	0.0080	2.0	0.0010	0.0	0.0000	2.8	0.0014	18.3	0.0092
ML 106	Milks	0.004		116.8	0.0005	32.0	0.0001	41.8	0.0002	160.0	0.0006	294.0	0.0012
VA 385	Onion, bulb	0.2		23.0	0.0046	11.5	0.0023	7.3	0.0015	13.8	0.0028	27.8	0.0056
FC 4	Oranges, Sweet, Sour	0.5		31.5	0.0158	4.0	0.0020	4.8	0.0024	31.0	0.0155	29.8	0.0149
FI 353	Pineapple	2		0.0	0.0000	0.8	0.0015	10.2	0.0203	3.1	0.0062	15.8	0.0315
FS 14	Plums (including Prunes)	1		1.8	0.0018	0.5	0.0005	0.0	0.0000	0.0	0.0000	4.3	0.0043
FP 9	Pome fruits	1		10.8	0.0108	7.5	0.0075	0.3	0.0003	6.5	0.0065	51.3	0.0513
VR 589	Potato	0.2		59.0	0.0118	19.2	0.0038	20.6	0.0041	40.8	0.0082	240.8	0.0482
SO 495	Rape seed	0.5		0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
GC 649	Rice	0.1		48.8	0.0049	279.3	0.0279	103.4	0.0103	86.5	0.0087	11.8	0.0012
VD 541	Soya bean (dry)	1		4.5	0.0045	2.0	0.0020	0.5	0.0005	0.0	0.0000	0.0	0.0000
VL 502	Spinach	2		0.5	0.0010	0.0	0.0000	0.0	0.0000	0.3	0.0005	2.0	0.0040
VC 431	Squash, Summer	0.5		10.5	0.0053	2.2	0.0011	0.0	0.0000	14.0	0.0070	3.5	0.0018
VR 596	Sugar beet	0.1		0.5	0.0001	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0002
SO 702	Sunflower seed	1		1.0	0.0010	0.0	0.0000	0.6	0.0006	0.0	0.0000	0.0	0.0000
VR 508	Sweet potato	0.2		1.5	0.0003	81.3	0.0163	14.3	0.0029	13.8	0.0028	1.3	0.0003
DT 1114	Tea, Green, Black	30		2.3	0.0690	1.2	0.0360	0.5	0.0150	0.5	0.0150	2.3	0.0690
VO 448	Tomato	0.5		81.5	0.0408	7.0	0.0035	16.5	0.0083	25.5	0.0128	66.0	0.0330
GC 654	Wheat	0.2		327.3	0.0655	114.8	0.0230	28.3	0.0057	116.8	0.0234	178.0	0.0356
TOTAL =				0.2860		0.1473		0.0835		0.1428		0.4274	
				% ADI =	79%		44%		23%		40%		119%
ROUNDED				% ADI =	80%		40%		20%		40%		120%

ETHOXYQUIN (035)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.005 mg/kg body weight or 0.300 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FP 226	Apple	3		7.5	0.0225	4.7	0.0140	0.3	0.0008	5.5	0.0165	40.0	0.1200
FP 230	Pear	3		3.3	0.0098	2.8	0.0085	0.0	0.0000	1.0	0.0030	11.3	0.0338
TOTAL =				0.0323		0.0225		0.0008		0.0195		0.1538	
				% ADI =	11%	8%		0%		7%		51%	
				ROUNDED % ADI =	10%	8%		0%		7%		50%	

GLUFOSINATE-AMMONIUM (175)

DAILY INTAKE ESTIMATE (DIE)

ADI = 0.02 mg/kg body weight or 1.200 mg/person

Commodity							Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name	MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VS 621	Asparagus	0.05		1	(*)	0.05	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0001
FI 30	Assorted tropical & subtropical fruits – inedible peel (except Banana)	0.05	0.05	1	(*)	0.05	2.3	0.0001	34.1	0.0017	11.0	0.0006	45.6	0.0023	10.3	0.0005
FI 327	Banana	0.2		1		0.2	8.3	0.0017	26.2	0.0052	21.0	0.0042	102.3	0.0205	22.8	0.0046
FB 18	Berries and other small fruits	0.1		1		0.1	0.0	0.0000	16.0	0.0016	1.0	0.0001	0.0	0.0000	1.5	0.0002
VD 523	Broad bean (dry)	2		1		2	4.5	0.0090	2.0	0.0040	0.0	0.0000	0.5	0.0010	0.8	0.0015
VR 577	Carrot	0.05		1	(*)	0.05	2.8	0.0001	2.5	0.0001	0.0	0.0000	6.3	0.0003	22.0	0.0011
FC 1	Citrus fruits	0.1		1		0.1	54.3	0.0054	6.3	0.0006	5.1	0.0005	54.8	0.0055	49.0	0.0049
VD 526	Common bean (dry)	2		1		2	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002
VP 526	Common bean (pods and/or immature seeds)	0.05		1	(*)	0.05	3.5	0.0002	0.8	0.0000	0.0	0.0000	4.0	0.0002	12.0	0.0006
VL 470	Corn salad	0.05		1	(*)	0.05	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
FB 21	Currant, black, red, white	0.5		1		0.5	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0002
GC 645	Maize	0.1		1	(*)	0.1	48.3	0.0048	31.2	0.0031	106.2	0.0106	41.8	0.0042	8.8	0.0009
VA 385	Onion, bulb	0.05		1		0.05	23.0	0.0012	11.5	0.0006	7.3	0.0004	13.8	0.0007	27.8	0.0014
VD 72	Peas (dry)	3		1		3	0.5	0.0015	1.7	0.0050	0.0	0.0000	1.3	0.0038	1.8	0.0053
FP 9	Pome fruits	0.05		1	(*)	0.05	10.8	0.0005	7.5	0.0004	0.3	0.0000	6.5	0.0003	51.3	0.0026

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VR 589	Potato	0.5		1		0.5	59.0	0.0295	19.2	0.0096	20.6	0.0103	40.8	0.0204	240.8	0.1204
SO 495	Rape seed	5		1		5	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
VR 596	Sugar beet	0.05		1	(*)	0.05	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0001
VD 541	Soya bean (dry)	0.1		1		0.1	4.5	0.0005	2.0	0.0002	0.5	0.0001	0.0	0.0000	0.0	0.0000
FS 12	Stone fruits	0.05		1	(*)	0.05	7.3	0.0004	1.0	0.0001	0.0	0.0000	0.8	0.0000	22.8	0.0011
SO 702	Sunflower seed	5		1		5	1.0	0.0050	0.0	0.0000	0.6	0.0029	0.0	0.0000	0.0	0.0000
OC 702	Sunflower seed oil, crude	0.05		1	(*)	0.05	9.3	0.0005	0.5	0.0000	0.3	0.0000	0.8	0.0000	8.5	0.0004
TN 85	Tree nuts	0.1	0.05	1		0.05	1.0	0.0001	13.5	0.0007	3.4	0.0002	17.5	0.0009	3.8	0.0002
TOTAL =							0.0606		0.0331		0.0300		0.0602		0.1461	
% ADI =							5%		3%		3%		5%		12%	
ROUNDED % ADI =							5%		3%		3%		5%		10%	

* = MRL established at or about the LOD

HEXYTHIAZOX (176)

DAILY INTAKE ESTIMATE (DIE)

ADI = 0.03 mg/kg body weight or 1.800 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FP 226	Apple	0.5		1		0.5	7.5	0.0038	4.7	0.0023	0.3	0.0001	5.5	0.0028	40.0	0.0200
FS 13	Cherries	1		1		1	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0030
FC 1	Citrus fruits	0.5		1		0.5	54.3	0.0271	6.3	0.0032	5.1	0.0025	54.8	0.0274	49.0	0.0245
VP 526	Common bean (pods and/or immature seeds)	0.5		1		0.5	3.5	0.0018	0.8	0.0004	0.0	0.0000	4.0	0.0020	12.0	0.0060
VC 424	Cucumber	0.1		1		0.1	4.8	0.0005	4.5	0.0005	0.0	0.0000	8.3	0.0008	9.0	0.0009
FB 279	Currant, Red, White	0.2		1		0.2	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0001
FB 269	Grapes	1		1		1	15.8	0.0158	1.0	0.0010	0.0	0.0000	1.3	0.0013	13.8	0.0138
DH 1100	Hops, dry	2	0.79	0	1/	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
FS 247	Peach	1		1		1	2.5	0.0025	0.5	0.0005	0.0	0.0000	0.8	0.0008	12.5	0.0125
FP 230	Pear	0.5		1		0.5	3.3	0.0016	2.8	0.0014	0.0	0.0000	1.0	0.0005	11.3	0.0056
FS 14	Plums (including Prunes)	0.2		1		0.2	1.8	0.0004	0.5	0.0001	0.0	0.0000	0.0	0.0000	4.3	0.0009
FB 275	Strawberry	0.5		1		0.5	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	5.3	0.0026
VO 448	Tomato	0.1		1		0.1	81.5	0.0082	7.0	0.0007	16.5	0.0017	25.5	0.0026	66.0	0.0066

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
							TOTAL =	0.0615		0.0101		0.0043		0.0380		0.0964
							% ADI =	3%		1%		0%		2%		5%

1/ Processing factor based on beer production

HEXACHLORBENZENE (044) 1/

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.00016 mg/kg body weight or 0.010 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
SO 697	Peanut	-	0.0072	1		0.0072	0.3	0.0000	0.2	0.0000	2.3	0.0000	0.3	0.0000	3.0	0.0000
OR 697	Peanut oil, edible	-	0.0281	1		0.0281	0.0	0.0000	1.8	0.0001	3.5	0.0001	0.5	0.0000	1.8	0.0000
							TOTAL =	0.0000		0.0001		0.0001		0.0000		0.0001
							% ADI =	0%		1%		1%		0%		1%

1/ Hexachlorobenzene arising from the use of quintozone (64)

2/ Dietary intake compared to Provisional Tolerable Daily Intake (PTDI) as recommended in "Hexachlorobenzene - Environmental Health Criteria 195", WHO, Geneva (1997)

KRESOXIM-METHYL (199)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.4 mg/kg body weight or 24.000 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
GC 640	Barley	0.1	0.05	1		0.05	1.0	0.0001	3.5	0.0002	1.8	0.0001	6.5	0.0003	19.8	0.0010
VC 424	Cucumber	0.05	0.05	1	(*)	0.05	4.8	0.0002	4.5	0.0002	0.0	0.0000	8.3	0.0004	9.0	0.0005
DF 269	Dried grapes	2	0.32	1		0.32	0.3	0.0001	0.0	0.0000	0.0	0.0000	0.3	0.0001	2.3	0.0007
MO 105	Edible offal (mammalian)	0.05	0.01	1	(*)	0.01	4.2	0.0000	1.4	0.0000	2.4	0.0000	6.1	0.0001	12.4	0.0001
FB 269	Grapes	1	0.2	1		0.2	15.8	0.0032	1.0	0.0002	0.0	0.0000	1.3	0.0003	13.8	0.0028
MF 95	Mammalian fats	0.05	0.01	1	(*)	0.01	0.7	0.0000	1.7	0.0000	0.7	0.0000	4.4	0.0000	7.7	0.0001
MM 95	Meat, mammalian	0.05	0.01	1	(*) 1/	0.01	37.0	0.0004	32.8	0.0003	23.8	0.0002	47.0	0.0005	155.5	0.0016

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European		
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	
ML 106	Milks	0.01	0.002	1	(*)	0.002	116.8	0.0002	32.0	0.0001	41.8	0.0001	160.0	0.0003	294.0	0.0006	
FP 9	Pome fruits	0.2	0.05	1		0.05	10.8	0.0005	7.5	0.0004	0.3	0.0000	6.5	0.0003	51.3	0.0026	
PM 110	Poultry meat	0.05	0.01	1	(*)	0.01	31.0	0.0003	13.2	0.0001	5.5	0.0001	25.3	0.0003	53.0	0.0005	
GC 650	Rye	0.05	0.05	1	(*)	0.05	0.0	0.0000	1.0	0.0001	0.0	0.0000	0.0	0.0000	1.5	0.0001	
GC 654	Wheat	0.05	0.05	1	(*)	0.05	327.3	0.0164	114.8	0.0057	28.3	0.0014	116.8	0.0058	178.0	0.0089	
TOTAL =							0.0214		0.0073		0.0019		0.0084		0.0193		
% ADI =							0%		0%		0%		0%		0%		0%

* = MRL established at or about the LOD

1/ Except marine mammals

MALEIC HYDRAZIDE (102)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.3 mg/kg body weight or 18.000 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VA 381	Garlic	15	4.1	1		4.1	2.0	0.0082	2.2	0.0090	0.0	0.0000	0.5	0.0021	3.0	0.0123
VA 385	Onion, bulb	15	4.1	1		4.1	23.0	0.0943	11.5	0.0472	7.3	0.0299	13.8	0.0566	27.8	0.1140
VA 388	Shallot	15	4.1	1		4.1	0.0	0.0000	2.0	0.0082	1.5	0.0062	4.0	0.0164	1.0	0.0041
VR 589	Potato	50	11	0.52	1/	5.7	59.0	0.3363	19.2	0.1094	20.6	0.1174	40.8	0.2326	240.8	1.3726
TOTAL =							0.4388		0.1738		0.1535		0.3076		1.5029	
% ADI =							2%		1%		1%		2%		8%	

1/ Processing factor based on boiling

METHIOCARB (132)

THEORETICAL MAXIMUM DAILY INTAKE (TMDI)

ADI = 0.02 mg/kg body weight or 1.200 mg/person

Commodity		MRL mg/kg	Notes	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name			Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VS 620	Artichoke globe	0.05	(*)	2.3	0.0001	0.0	0.0000	0.0	0.0000	0.0	0.0000	5.5	0.0003
VB 400	Broccoli	0.2		0.5	0.0001	1.0	0.0002	0.0	0.0000	1.1	0.0002	2.7	0.0005
VB 402	Brussels sprouts	0.2		0.5	0.0001	1.0	0.0002	0.0	0.0000	1.1	0.0002	2.7	0.0005
VB 41	Cabbages, Head	0.2		4.0	0.0008	7.7	0.0015	0.0	0.0000	8.4	0.0017	21.4	0.0043
VB 404	Cauliflower	0.2		1.3	0.0003	1.5	0.0003	0.0	0.0000	0.3	0.0001	13.0	0.0026
GC 80	Cereal grains	0.05	(*)	430.8	0.0215	452.3	0.0226	318.4	0.0159	252.5	0.0126	226.3	0.0113
FC 1	Citrus fruits	0.05	(*)	54.3	0.0027	6.3	0.0003	5.1	0.0003	54.8	0.0027	49.0	0.0025
PE 112	Eggs	0.05	(*)	14.6	0.0007	13.1	0.0007	3.7	0.0002	11.9	0.0006	37.6	0.0019
TN 666	Hazelnuts	0.05	(*)	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.1	0.0000	0.3	0.0000
VL 482	Lettuce, Head	0.2		2.3	0.0005	0.0	0.0000	0.0	0.0000	5.8	0.0012	22.5	0.0045
VL 483	Lettuce, Leaf	0.2		2.3	0.0005	0.0	0.0000	0.0	0.0000	5.8	0.0012	22.5	0.0045
MM 95	Meat	0.05	(*)	37.0	0.0019	32.8	0.0016	23.8	0.0012	47.0	0.0024	155.5	0.0078
ML 106	Milks	0.05	(*)	116.8	0.0058	32.0	0.0016	41.8	0.0021	160.0	0.0080	294.0	0.0147
PM 110	Poultry meat	0.05	(*)	31.0	0.0016	13.2	0.0007	5.5	0.0003	25.3	0.0013	53.0	0.0027
SO 495	Rape seed	0.05	(*)	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
VR 596	Sugar beet	0.05	(*)	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0001
VO 447	Sweet corn (corn-on-the-cob)	0.05	(*)	0.0	0.0000	0.0	0.0000	4.4	0.0002	0.0	0.0000	8.3	0.0004
TOTAL =				0.0365		0.0297		0.0201		0.0320		0.0585	
% ADI =				3%		3%		2%		3%		5%	

* = MRL established at or about LOD

MYCLOBUTANIL (181)

DAILY INTAKE ESTIMATE (DIE)

ADI = 0.03 mg/kg body weight or 1.800 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FI 327	Banana	2	0.15	1		0.15	8.3	0.0012	26.2	0.0039	21.0	0.0032	102.3	0.0153	22.8	0.0034
MM 812	Cattle meat	0.01		1	(*)	0.01	18.5	0.0002	3.5	0.0000	10.4	0.0001	30.0	0.0003	63.3	0.0006
ML 812	Cattle milk	0.01		1	(*)	0.01	79.5	0.0008	23.2	0.0002	35.8	0.0004	159.3	0.0016	287.0	0.0029

MO 812	Cattle, Edible offal of	0.01		1	(*)	0.01	2.5	0.0000	0.3	0.0000	1.8	0.0000	5.0	0.0001	6.0	0.0001
FB 278	Currant, black	0.5	0.26	1		0.26	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
PE 112	Eggs	0.01		1	(*)	0.01	14.6	0.0001	13.1	0.0001	3.7	0.0000	11.9	0.0001	37.6	0.0004
FB 269	Grapes	1		1		1	15.8	0.0158	1.0	0.0010	0.0	0.0000	1.3	0.0013	13.8	0.0138
DH 1100	Hops, dry	2	0.0515	0	1/	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
FS 14	Plums (including prunes)	0.2		1		0.2	1.8	0.0004	0.5	0.0001	0.0	0.0000	0.0	0.0000	4.3	0.0009
FP 9	Pome fruits	0.5		1		0.5	10.8	0.0054	7.5	0.0038	0.3	0.0001	6.5	0.0033	51.3	0.0257
PM 110	Poultry meat	0.01		1	(*)	0.01	31.0	0.0003	13.2	0.0001	5.5	0.0001	25.3	0.0003	53.0	0.0005
PO 111	Poultry, edible offal of	0.01		1	(*)	0.01	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.4	0.0000	0.4	0.0000
DF 14	Prunes	0.5		1		0.5	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.5	0.0003
FS 12	Stone fruits	2	0.62	1	2/	0.62	5.5	0.0034	0.5	0.0003	0.0	0.0000	0.8	0.0005	19.0	0.0118
FB 275	Strawberry	1	0.19	1		0.19	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	5.3	0.0010
VO 448	Tomato	0.3	0.06	1		0.06	44.4	0.0027	5.7	0.0003	14.6	0.0009	25.5	0.0015	48.2	0.0029
	Tomato juice		0.06	0.85		0.05	0.3	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	2.0	0.0001
	Tomato paste		0.06	0.3		0.02	5.8	0.0001	0.2	0.0000	0.3	0.0000	0.0	0.0000	4.0	0.0001
						TOTAL =	0.0304		0.0100		0.0047		0.0242		0.0642	
						% ADI =	2%		1%		0%		1%		4%	

* = MRL established at or about the LOD

1/ Processing factor based on beer production

2/ Except plums

OXYDEMOTON-METHYL (166)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.0003 mg/kg body weight or 0.018 mg/person

Commodity							Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name	MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FP 9	Apple	0.05	0.01	1		0.01	10.8	0.0001	7.5	0.0001	0.3	0.0000	6.5	0.0001	51.3	0.0005
GC 640	Barley	0.05	0.04	1	(*)	0.04	1.0	0.0000	3.5	0.0001	1.8	0.0001	6.5	0.0003	19.8	0.0008
VB 41	Cabbages, head	0.05	0.03	1	(*)	0.03	5.0	0.0002	9.7	0.0003	0.0	0.0000	10.5	0.0003	26.8	0.0008
MF 812	Cattle fat	0.05	0	1	(*)	0	0.3	0.0000	0.3	0.0000	0.3	0.0000	1.5	0.0000	0.0	0.0000
VD 526	Common bean (dry)	0.1	0.01	1		0.01	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
OR 691	Cotton seed oil, edible		0.002	1		0.002	3.8	0.0000	0.5	0.0000	0.5	0.0000	0.5	0.0000	0.0	0.0000
PE 112	Eggs	0.05	0	1	(*)	0	14.6	0.0000	13.1	0.0000	3.7	0.0000	11.9	0.0000	37.6	0.0000
FB 269	Grapes	0.1	0.04	1		0.04	15.8	0.0006	1.0	0.0000	0.0	0.0000	1.3	0.0001	13.8	0.0006
VL 480	Kale	0.01	0.01	1	(*)	0.01	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0000
VB 405	Kohlrabi	0.05	0.02	1		0.02	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0000

FC 204	Lemon	0.2	0.01	1		0.01	1.9	0.0000	0.2	0.0000	0.0	0.0000	5.4	0.0001	2.4	0.0000
MM 97	Meat of cattle, pigs and sheep	0.05	0	1	(*)	0	32.0	0.0000	31.3	0.0000	15.0	0.0000	43.5	0.0000	149.3	0.0000
ML 106	Milks	0.01	0	1	(*)	0	116.8	0.0000	32.0	0.0000	41.8	0.0000	160.0	0.0000	294.0	0.0000
FC 4	Oranges, sweet, sour	0.2	0.01	1		0.01	31.5	0.0003	4.0	0.0000	4.8	0.0000	31.0	0.0003	29.8	0.0003
FP 230	Pear	0.05	0.01	1		0.01	3.3	0.0000	2.8	0.0000	0.0	0.0000	1.0	0.0000	11.3	0.0001
MF 818	Pig fat	0.05	0	1	(*)	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
VR 589	Potato	0.05	0.02	1	(*)	0.02	59.0	0.0012	19.2	0.0004	20.6	0.0004	40.8	0.0008	240.8	0.0048
PF 111	Poultry fats	0.05	0	1	(*)	0	3.1	0.0000	1.3	0.0000	0.6	0.0000	2.5	0.0000	5.3	0.0000
PM 110	Poultry meat	0.05	0	1	(*)	0	31.0	0.0000	13.2	0.0000	5.5	0.0000	25.3	0.0000	53.0	0.0000
GC 650	Rye	0.05	0.04	1	(*)	0.04	0.0	0.0000	1.0	0.0000	0.0	0.0000	0.0	0.0000	1.5	0.0001
MF 822	Sheep fat	0.05	0	1	(*)	0	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
VR 596	Sugar beet	0.05	0.04	1	(*)	0.04	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0001
GC 654	Wheat	0.05	0.04	1	(*)	0.04	327.3	0.0131	114.8	0.0046	28.3	0.0011	116.8	0.0047	178.0	0.0071

TOTAL =	0.0156	0.0056	0.0017	0.0066	0.0152
% ADI =	87%	31%	9%	37%	85%
ROUNDED % ADI =	90%	30%	9%	40%	80%

* = MRL established at or about the LOD

PHOSMET (103)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
FP 226	Apple	10	3.4	1		3.4	7.5	0.0255	4.7	0.0159	0.3	0.0009	5.5	0.0187	40.0	0.1360
FS 240	Apricot	10	2.9	1		2.9	3.0	0.0087	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.5	0.0102
SO 691	Cotton seed	0.05	0	1		0	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
FB 269	Grapes	10	3.1	1		3.1	15.8	0.0488	1.0	0.0031	0.0	0.0000	1.3	0.0039	13.8	0.0426
FS 247	Peach	10	2.9	1		2.9	2.5	0.0073	0.5	0.0015	0.0	0.0000	0.8	0.0022	12.5	0.0363
VR 589	Potato	0.05	0.05	1	(*)	0.05	59.0	0.0030	19.2	0.0010	20.6	0.0010	40.8	0.0020	240.8	0.0120
TOTAL =							0.0932		0.0214		0.0019		0.0268		0.2371	
% ADI =							16%		4%		0%		4%		40%	
ROUNDED % ADI =							20%		4%		0%		4%		40%	

* = MRL established at or about the LOD

PROCYMIDONE (136)

DAILY INTAKE ESTIMATE (DIE)

ADI = 0.1 mg/kg body weight or 6.000 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
VB 41	Cabbage, head	2	0.26	1		0.26	5.0	0.0013	9.7	0.0025	0.0	0.0000	10.5	0.0027	26.8	0.0070
VB 404	Cauliflower	2	0.05	1		0.05	1.3	0.0001	1.5	0.0001	0.0	0.0000	0.3	0.0000	13.0	0.0007
VP 526	Common bean (pods and/or immature seeds)	1		1	1/	1	3.5	0.0035	0.8	0.0008	0.0	0.0000	4.0	0.0040	12.0	0.0120
FS 13	Cherries	10		1	1/	10	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	3.0	0.0300
VC 424	Cucumber	2		1	1/	2	2.4	0.0048	2.3	0.0045	0.0	0.0000	4.1	0.0083	4.5	0.0090
VP 528	Garden pea (young pods)	3	0.6	1		0.6	5.5	0.0033	0.7	0.0004	0.0	0.0000	0.3	0.0002	14.0	0.0084
VP 528	Garden pea, shelled	1	0.08	1		0.08	5.5	0.0004	0.7	0.0001	0.0	0.0000	0.3	0.0000	14.0	0.0011
VC 425	Gherkin	2		1	1/	2	2.4	0.0048	2.3	0.0045	0.0	0.0000	4.1	0.0083	4.5	0.0090
FB 269	Grapes	5		1	1/	5	15.8	0.0788	1.0	0.0050	0.0	0.0000	1.3	0.0063	13.8	0.0688
VL 482	Lettuce, Head	5		1	1/	5	2.3	0.0113	0.0	0.0000	0.0	0.0000	5.8	0.0288	22.5	0.1125
VA 385	Onion, bulb	0.2		1	1/	0.2	23.0	0.0046	11.5	0.0023	7.3	0.0015	13.8	0.0028	27.8	0.0056
FS 247	Peach	2	0.7	1		0.7	2.5	0.0018	0.5	0.0004	0.0	0.0000	0.8	0.0005	12.5	0.0088
FP 230	Pear	1	0.43	1		0.43	3.3	0.0014	2.8	0.0012	0.0	0.0000	1.0	0.0004	11.3	0.0048
VO 51	Peppers	5		1	1/	5	3.4	0.0170	2.1	0.0105	5.4	0.0270	2.4	0.0120	10.4	0.0520
FS 14	Plums (including prunes)	2	0.74	1		0.74	1.8	0.0013	0.5	0.0004	0.0	0.0000	0.0	0.0000	4.3	0.0032
FB 272	Raspberries, red, black	10		1	1/	10	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.5	0.0050
FB 275	Strawberry	10		1	1/	10	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	5.3	0.0525
SO 702	Sunflower seed	0.2		1	1/	0.2	1.0	0.0002	0.0	0.0000	0.6	0.0001	0.0	0.0000	0.0	0.0000
OR 702	Sunflower seed oil, edible	0.5		1	1/	0.5	9.3	0.0046	0.5	0.0003	0.3	0.0001	0.8	0.0004	8.5	0.0043
VO 448	Tomato	5		1	1/	5	81.5	0.4075	7.0	0.0350	16.5	0.0825	25.5	0.1275	66.0	0.3300
TOTAL =							0.5465		0.0679		0.1112		0.2020		0.7244	
% ADI =							9%		1%		2%		3%		12%	
ROUNDED % ADI =							9%		1%		2%		3%		10%	

1/ STMR not determined

QUINTOZENE (064)

INTERNATIONAL ESTIMATED DAILY INTAKE (IEDI)

ADI = 0.01 mg/kg body weight or 0.600 mg/person

Commodity		MRL mg/kg	STMR mg/kg	Processing Factor	Notes	Adjusted MRL/STMR mg/kg	Middle Eastern		Far Eastern		African		Latin American		European	
Code	Name						Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day	Diet g/day	IEDI mg/day
GC 640	Barley	0.01	0.005	1	(*)	0.005	1.0	0.0000	3.5	0.0000	1.8	0.0000	6.5	0.0000	19.8	0.0001
VB 400	Broccoli	0.05	0.0585	1		0.0585	0.5	0.0000	1.0	0.0001	0.0	0.0000	1.1	0.0001	2.7	0.0002
VB 41	Cabbages, Head	0.1	0.0052	1		0.0052	4.5	0.0000	8.7	0.0000	0.0	0.0000	9.5	0.0000	24.1	0.0001
PO 840	Chicken, edible offal of	0.1	0.03	1	(*)	0.03	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	0.3	0.0000
PM 840	Chicken meat	0.1	0.04	1	(*) fat	0.04	3.1	0.0001	1.2	0.0000	0.6	0.0000	2.5	0.0001	4.4	0.0002
VP 526	Common bean (pods and/or immature seeds)	0.1	0.0342	1		0.0342	3.5	0.0001	0.8	0.0000	0.0	0.0000	4.0	0.0001	12.0	0.0004
VD 526	Common bean (dry)	0.02	0.002	1		0.002	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000	0.1	0.0000
SO 691	Cotton seed	0.01	0.016	1		0.016	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000	0.0	0.0000
PE 112	Eggs	0.03	0.01	1	(*)	0.01	14.6	0.0001	13.1	0.0001	3.7	0.0000	11.9	0.0001	37.6	0.0004
GC 645	Maize	0.01	0.005	1	(*)	0.005	48.3	0.0002	31.2	0.0002	106.2	0.0005	41.8	0.0002	8.8	0.0000
SO 697	Peanut	0.5	0.353	1		0.353	0.3	0.0001	0.2	0.0001	2.3	0.0008	0.3	0.0001	3.0	0.0011
VD 72	Peas (dry)	0.01	0.005	1		0.005	0.5	0.0000	1.7	0.0000	0.0	0.0000	1.3	0.0000	1.8	0.0000
VO 445	Peppers, Sweet	0.05	0.05	1	(*)	0.05	3.3	0.0002	2.0	0.0001	5.3	0.0003	2.3	0.0001	10.3	0.0005
VR 596	Sugar beet	0.01	0.005	1	(*)	0.005	0.5	0.0000	0.0	0.0000	0.0	0.0000	0.3	0.0000	2.0	0.0000
VD 541	Soya beans (dry)	0.05	0.005	1		0.005	4.5	0.0000	2.0	0.0000	0.5	0.0000	0.0	0.0000	0.0	0.0000
VO 448	Tomato	0.02	0.002	1		0.002	81.5	0.0002	7.0	0.0000	16.5	0.0000	25.5	0.0001	66.0	0.0001
GC 654	Wheat	0.01	0.005	1		0.005	327.3	0.0016	114.8	0.0006	28.3	0.0001	116.8	0.0006	178.0	0.0009
							TOTAL =	0.0028		0.0012		0.0019		0.0016		0.0040
							% ADI =	0%		0%		0%		0%		1%

* = MRL established at or about the LOD