

CODEX ALIMENTARIUS COMMISSION

E



Food and Agriculture
Organization of
the United Nations



World Health
Organization

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TO: Codex Contact Points
Contact Points of international organizations having observer status with Codex

FROM: Secretariat,
Codex Alimentarius Commission,
Joint FAO/WHO Food Standards Programme

SUBJECT: **REQUEST FOR COMMENTS ON THE RECOMMENDATIONS OF THE 2017 JOINT
FAO/WHO MEETING ON PESTICIDE RESIDUES (JMPR)¹**

DEADLINE: **1 March 2018**

COMMENTS: **To:**
CCPR Secretariat
Institute for Control of the Agrochemicals
Ministry of Agriculture (ICAMA)
E-mail: ccpr@agri.gov.cn

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BACKGROUND

A. MRLs AT STEP 3 OF THE PROCEDURE

1. The annual Joint FAO/WHO Meeting on Pesticide Residues (JMPR) was held in Geneva, Switzerland, from 12 to 21 September 2017. The following extracts of the results of the annual Joint FAO/WHO Meeting on Pesticide Residues are provided to make them accessible to interested parties at an early date.
2. The Meeting evaluated 38 pesticides, of which nine were new compounds, and five were reevaluated within the periodic review program of the Committee on Pesticide Residues (CCPR). The Meeting established acceptable daily intakes (ADIs) and acute reference doses (ARfDs).
3. The Meeting estimated maximum residue levels, which it recommended for use as maximum residue limits (MRLs) by CCPR. It also estimated supervised trials median residue (STMR) and highest residue (HR) levels as a basis for estimation of the dietary intake of residues of the pesticides reviewed. The allocations and estimates are shown in the table in the Annex.
4. Pesticides for which the estimated dietary intakes might, on the basis of the available information, exceed their ADIs are marked with footnotes, which are also applied to specific commodities when the available information indicated that the ARfD of a pesticide might be exceeded when the commodity was consumed. It should be noted that these distinctions apply only to new compounds and those re-evaluated within the CCPR periodic review program.
5. The table includes the Codex reference numbers of the compounds and the Codex classification numbers (CCNs) of the commodities, to facilitate reference to the Codex maximum limits for pesticide residues and other Codex documents. Both compounds and commodities are listed in alphabetical order.
6. Apart from the abbreviations indicated above, the following qualifications are used in the Table.

¹ The recommendations of the JMPR for pesticide maximum residue limits correspond to Step 3 of the Codex Procedure.

* (following name of pesticide)	New compound
** (following name of pesticide)	Compound reviewed within CCPR periodic review programme
* (following recommended MRL)	At or about the limit of quantification
HR-P	Highest residue in a processed commodity, in mg/kg, calculated by multiplying the HR in the raw commodity by the processing factor
Po	The recommendation accommodates post-harvest treatment of the commodity.
PoP (following recommendation for processed foods (classes D and E in the Codex classification))	The recommendation accommodates post-harvest treatment of the primary food commodity.
STMR-P	An STMR for a processed commodity calculated by applying the concentration or reduction factor for the process to the STMR calculated for the raw agricultural commodity.
W (in place of a recommended MRL)	The previous recommendation is withdrawn, or withdrawal of the recommended MRL or existing Codex or draft MRL is recommended.

7. The Report of the 2017 JMPR (including the Annex) is available from the website below:

FAO weblink: <http://www.fao.org/agriculture/crops/thematic-sitemap/theme/pests/jmpr/jmpr-rep/en/>

WHO weblink: <http://www.who.int/foodsafety/publications/jmpr-reports/en/>

8. Should anybody have problems in downloading the above documents, please contact the FAO or WHO JMPR Secretariats at the following addresses in order to get a copy as an email attachment:

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REQUEST FOR COMMENTS

9. Member governments and interested international organizations having graded observer status in Codex wishing to submit comments on the proposed draft MRLs that correspond to Step 3 of the Codex Procedure as proposed by the 2017 JMPR and also on other recommendations which are relevant to the work of the 50th Session of the Committee on Pesticide Residues (see Table below) should do so in writing, in conformity with the Procedures for the Elaboration of Codex Standards and Related Texts (*Codex Alimentarius Procedural Manual*) to the addresses and by the deadline indicated on cover page.
10. Circular letters are available on the Codex website² (Circular Letters, 2018) and also on the CCPR50 website³.

² <http://www.fao.org/fao-who-codexalimentarius/circular-letters/en>

³ <http://www.fao.org/fao-who-codexalimentarius/meetings-reports/detail/en/?meeting=CCPR&session=50>

ENGLISH ONLY**ANNEX****ACCEPTABLE DAILY INTAKES, SHORT-TERM DIETARY INTAKES, ACUTE REFERENCE DOSES,
RECOMMENDED MAXIMUM RESIDUE LIMITS AND SUPERVISED TRIALS MEDIAN RESIDUE VALUES
RECORDED BY THE 2017 JMPR MEETING**

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Abamectin (177)						
ADI: 0–0.001 mg/kg bw						
ARfD: 0.003 mg/kg bw						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant commodities: <i>Avermectin B1a.</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities: <i>Avermectin B1a.</i>						
<i>The residue is fat-soluble.</i>						
Acetamiprid (246)						
ADI: 0–0.07 mg/kg bw						
ARfD: 0.1 mg/kg bw						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant commodities: <i>acetamiprid</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities): <i>sum of acetamiprid and its desmethyl (IM-2-1) metabolite, expressed as acetamiprid.</i>						
<i>The residue is not fat-soluble.</i>						
Azoxystrobin (229)	FI 2540	Pitaya	0.3		0.041	
ADI: 0–0.2 mg/kg bw	GS 0659	Sugar cane	0.05		0.02	
ARfD: Unnecessary	SO 0495	Rape seed	0.5		0.02	
		Refined sugar			0.0066	
	DM 0659	Sugar cane molasses			0.05	
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>azoxystrobin.</i>						
<i>The residue is fat-soluble.</i>						
Bicyclopyrone (295)*	GC 0447	Sweet corn (Corn on the cob) (kernels plus cob with husk removed)	0.03		0.02	0.023
ADI: 0–0.003 mg/kg bw	GC 0640	Barley	0.04		0.011	
ARfD: 0.01 mg/kg bw	GC 0645	Maize	0.02*		0	
(women of child bearing age)	GC 0654	Wheat	0.04		0.01	
	GS 0659	Sugar cane	0.02*		0	0
	MO 0105	Edible offal (mammalian)	3		1.432 Liver 0.53 Kidney	2.75 Liver 0.57 Kidney
	ML 0106	Milks	0.02*		0.02	0.02
	MF 0100	Mammalian fats (except milk fats)	0.02*		0.02	0.02
	MM 0095	Meat (from mammals other than marine mammals)	0.02*		0.02	0.02
	CM 0654	Wheat, bran processed	0.1		0.023	
	CF 1210	Wheat, germ	0.06		0.014	
	CF 0640	Barley bran, processed	0.1		0.025	
	AS 0640	Barley straw and fodder, Dry	0.8 (dw)		0.025 (hay) 0.115 (straw)	0.68 (hay) 0.25 (straw)
	AS 0645	Maize fodder (dry)	0.5		0.054	0.39

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	AS 0654	Wheat straw and fodder, Dry	0.8 (dw)		0.025 (hay) 0.115 (straw)	0.68 (hay) 0.25 (straw)
	AS 0447	Sweet corn fodder	0.5 (dw)		0.054	0.39
	PE 0112	Eggs	0.01*		0.01	0.01
	PO 0111	Poultry edible offal	0.01*		0.01	0.01
	PF 0111	Poultry fats	0.01*		0.01	0.01
	PM 0110	Poultry meat	0.01*		0.01	0.01
Definition of the residue (for compliance with the MRL and for the estimation of dietary exposure) for plant commodities: <i>sum of bicyclopyrone and its structurally-related metabolites determined as the sum of the common moieties 2-(2-methoxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (SYN503780) and 2-(2-hydroxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (CSCD686480), expressed as bicyclopyrone.</i>						
Definition of the residue (for compliance with the MRL and for the estimation of dietary exposure) for animal commodities: <i>sum of bicyclopyrone and its structurally-related metabolites determined as the sum of the common moieties 2-(2-methoxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (SYN503780) and 2-(2-hydroxyethoxymethyl)-6-(trifluoromethyl)pyridine-3-carboxylic acid (CSCD686480), expressed as bicyclopyrone. The residue is not fat-soluble.</i>						
dw = dry weight basis						
Captan (007)						
ADI: 0–0.1 mg/kg bw						
ARfD: 0.3 mg/kg bw (for women of child bearing age)						
Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for plant and animal commodities: <i>Captan</i> <i>The residue is not fat soluble</i>						
Chlormequat (015)**	GC 0640	Barley	2	2	0.37	-
ADI: 0–0.05 mg/kg bw	AS 0640	Barley straw and fodder, dry	50 (dw)		4.15 (as)	30 (as)
ARfD: 0.05 mg/kg bw	SO 0691	Cotton seed	W	0.5		
	MO 0105	Edible offal (mammalian)	1		0.086 Liver 0.34 Kidney	0.42 Liver 0.88 Kidney
	PE 0112	Eggs	0.1	0.1	0.04	0.079
	MM 0184	Goat meat	W	0.2		
	FB 0269	Grapes	0.04*		0.04	0.04
	MO 0098	Kidney of cattle, goats, pigs and sheep	W	0.5		
	MO 0099	Liver of cattle, goats, pigs and sheep	W	0.1		
	AS 0645	Maize fodder (dry)	W	7		
	MF 0100	Mammalian fats (except milk fats)	0.1		0.04	0.083
	MM 0095	Meat (from mammals other than marine mammals)	0.2		0.04	0.091
	MM 0097	Meat of cattle, pigs and sheep	W	0.2		
	ML 0106	Milks	0.3		0.12	-
	ML 0107	Milk of cattle, goats and sheep	W	0.5		
	GC 0647	Oats	4	10	1.3	-
	AS 0647	Oat straw and fodder, dry	7 (dw)		0.93 (as)	3.5 (as)
	PO 0111	Poultry, edible offal of	0.1	0.1	0.04	0.072
	PF 0111	Poultry fats	0.04*		0.04	0.04
	PM 0110	Poultry meat	0.04*	0.04*	0.04	0.04
	SO 0495	Rape seed	W	5		
	OC 0495	Rape seed oil, Crude	W	0.1		
	GC 0650	Rye	6	3	1.1	-

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	CM 0650	Rye bran, unprocessed	20	10	6.6	
	CF 1250	Rye flour	W	3		
	AS 0650	Rye straw and fodder, dry	20 (dw)		4.2 (as)	8.9 (as)
	CF 1251	Rye wholemeal	8	4	1.4	
	AS 0081	Straw and fodder (dry) of cereal grains	W	30		
	GC 0653	Triticale	5	3	0.92	-
	AS 0653	Triticale straw and fodder, dry	80 (dw)		12 (as)	51 (as)
	GC 0654	Wheat	2	3	0.58	-
	CM 0654	Wheat bran, unprocessed	7	10	1.7	-
	CF 1211	Wheat flour	W	2		
	AS 0654	Wheat straw and fodder, dry	80 (dw)		13 (as)	55 (as)
	CF 1212	Wheat wholemeal	W	5		
					0.33	
		Pearl barley			0.33	
		Malt			0.007	
		Spent grain			0.074	
		Beer			1.04	
		Oat flakes			1.1	
	CF 1250	Rye flour			1.0	
		Rye wholemeal bread			0.17	
		White (type 550) wheat flour			0.55	
		Wholemeal flour			0.70	
	CF 1212	Wheat wholemeal			0.31	
		Wheat wholemeal bread			8.7	
Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for plant and animal commodities: <i>sum of chlormequat cation</i>						
<i>The residue is not fat-soluble</i>						
dw = dry weight basis;						
as = as received						
Cyflumetopril (296)*	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup)	0.9	-	0.17	-
ADI: 0–0.04 mg/kg bw	VO 2700	Cherry Tomato	0.1	-	0.041	-
ARfD: Unnecessary	VC 2039	Subgroup of Cucumbers and Summer Squashes (includes all commodities in this subgroup)	0.06	-	0.028	-
	DV 0448	Tomato, dried	0.4	-	0.14	-
	MO 0105	Edible offal (mammalian)	0.01*	-	0.0008 kidney 0.0008 liver	-
	VO 2046	Subgroup of Eggplants (includes all commodities in this subgroup)	0.1	-	0.041	-
	VB 0042	Subgroup of Flowerhead Brassicas (includes all commodities in this subgroup)	1	-	0.38	-
	VB 2036	Subgroup of Head Brassicas (includes all commodities in this subgroup)	0.7	-	0.066	-
	VL 0054	Subgroup of Leaves of Brassicaceae <i>Brassica</i> spp. (includes all commodities in this subgroup)	15	-	4.3	-

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	MM 0095	Meat (from mammals other than marine mammals)	0.01* (fat)	-	0.0008 fat 0 muscle	-
	VC 2040	Subgroup of Melons, Pumpkins and Winter squashes (includes all commodities in this group)	0.15	-	0.055	-
	MF 0100	Mammalian fats (except milk fats)	0.01*	-	0.0008	-
	ML 0106	Milks	0.01*	-	0.000024	-
	FM 0183	Milk fats	0.01*	-	0.0006	-
	FS 2001	Subgroup of Peaches (including Apricots and Nectarines) (includes all commodities in this subgroup)	0.3	-	0.0715	-
	VO 0051	Subgroup of Peppers (except Martynia, Okra and Roselle)	0.2	-	0.063	-
	HS 0444	Peppers, Chili, dried	2	-	0.63	-
	FP 0009	Group of Pome fruits (includes all commodities in this group)	0.3	-	0.073	-
	FS 0014	Subgroup of Plums (includes all commodities in this subgroup)	0.2	-	0.067	-
	DF 0014	Prunes, dried	0.8	-	0.25	-
	FB 0269	Grapes	0.8	-	0.15	-
	VO 0448	Tomato	0.1	-	0.041	-
	AS 0081	Straw and fodder, dry of cereal grains	0.45 (dw)	-	0.0475 (as)	0.18 (as)
	JF 0226	Apple juice			0.024	
	JF 0269	Grape juice			0.54	
	-	Grape wine			0.053	
	-	Tomato, canned			0.008	
	VW 0448	Tomato paste			0.040	
	JF 0448	Tomato juice			0.046	
Definition of the residue for compliance with the MRL for plant and animal commodities: <i>cyclaniliprole</i> .						
Definition of the residue (for estimation of dietary exposure) for plant commodities: <i>cyclaniliprole</i> + 3-bromo-2-((2-bromo-4H-pyrazolo[1,5-d]pyrido[3,2-b]-[1,4]oxazin-4-ylidene)amino)-5-chloro-N-(1-cyclopropylethyl)benzamide (NK-1375), expressed as <i>cyclaniliprole</i> equivalents.						
The molecular weight conversion factor to express NK-1375 in <i>cyclaniliprole</i> equivalents = 1.064.						
Definition of the residue (for estimation of dietary exposure) for animal commodities: <i>cyclaniliprole</i>						
<i>The residue is fat soluble</i>						
(dw) dry weight						
(as) Based on as received basis.						
Cyprodinil (207)	VS 0620	Artichoke, globe	4	-	1.20	
ADI: 0–0.03 mg/kg bw	VR 0577	Carrot	1.5	0.7	0.195	
ARfD: Unnecessary	VS 0624	Celery	30	-	8.45	
	FT 0336	Guava	1.5	-	0.485	
	FI 0355	Pomegranate	10 (Po)	-	3.30	
	VP 2060	Subgroup of Beans with pods (includes all commodities in this subgroup)	2	0.7	0.60	
	VP 0061	Beans except broad bean and soya bean	W	0.7	0.165	-
	VR 0589	Potato	0.01*	-	0.01	
	TN 0085	Tree nuts (except almond and pistachio)	0.04	-	0.01	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for plant and animal commodities: <i>sum of cyprodinil</i> <i>The residue is fat-soluble</i>						
2,4-D (020) ADI: 0–0.01 mg/kg bw ARfD: Unnecessary Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for plant and animal commodities: <i>sum of 2,4-D</i>						
Difenoconazole (224)	FP 0009	Pome fruits	4 (Po)	0.8	1.1	2.6
ADI: 0–0.01 mg/kg bw	FB 0020	Blueberries	4		1.0	2.2
ARfD: 0.3 mg/kg bw	FB 0275	Strawberries	2		0.42	1.2
	FI 2540	Pitaya (dragon fruit)	0.15		0.034	0.083
	VC 0432	Watermelon	0.02		0.01	0.01
	VO 0050	Fruiting vegetables other than cucurbits	W	0.6		
	VO 0050	Group of Fruiting vegetables other than cucurbits (except Peppers, Chili) ^a	0.6			
	VO 0444	Peppers, Chili	0.9		0.24	0.41
	HS 0444	Peppers, Chili, dried	5	5	1.08	1.85
	GC 0447	Sweet corn (Corn on the cob) (kernels plus cob with husk removed)	0.01*		0.01	0.01
	VD 2065	Subgroup of dry beans (except soya bean)	0.05		0.011	
	VD 2066	Subgroup of dry peas (includes all commodities in this subgroup)	0.15		0.028	
	DV 0604	Ginseng, dried including red ginseng	0.8	0.2	0.18	0.42
	VS 0620	Globe artichoke	1.5		0.505	0.64
	GC 0649	Rice	8		1.1	-
	CM 1205	Rice, polished	0.07		0.0086	
	AS 0649	Rice straw and fodder, dry	17 (dw)		2.15 (as)	10 (as)
	SB 0716	Coffee beans	0.01*		0.01	-
	AS 0447	Sweet corn fodder	0.01* (dw)		0.01as)	0.01as)
	CM 1207	Rice bran, unprocessed			0.76	-
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant commodities: <i>difenoconazole</i> .						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities: <i>sum of difenoconazole and 1-[2-chloro-4-(4-chloro-phenoxy)-phenyl]-2-(1,2,4-triazol)-1-yl-ethanol</i> , expressed as <i>difenoconazole</i> . <i>Residue is fat-soluble</i> .						
^a replaces previous recommendation for Fruiting vegetables other than Cucurbits (except sweetcorn and mushrooms). (dw) - dry weight: (as) – on an as received basis						
Fenazaquin (297)*	FS 0013	Subgroup of cherries (includes all commodities in this subgroup)	2		0.56	0.965
ADI: 0–0.05 mg/kg bw	DH 1100	Hops, dry	30		9	
ARfD: 0.1 mg/kg bw						
Definition of the residue for plant commodities for compliance and for dietary risk assessment: <i>fenazaquin</i> Definition of the residue (for compliance and estimation of dietary exposure) for animal commodities: the sum of <i>fenazaquin</i> and the metabolite <i>2-hydroxy-fenazaquin acid</i> expressed as <i>fenazaquin</i> . <i>The residue is fat soluble</i> .						
Fenpropimorph (188)**	FI 0327	Banana	2	2	0.08	0.43
ADI: 0–0.004 mg/kg bw	GC 0640	Barley	0.2	0.5	0.085	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
ARfD: 0.1 mg/kg bw (Women of child bearing age)	AS 0640	Barley straw and fodder, dry	0.5	5	0.68	2.4
	MO 0105	Edible offal (mammalian)	0.7		0.142 Liver 0.031 Kidney	0.516 Liver 0.101 Kidney
ARfD: 0.4 mg/kg bw (General population)	PE 0112	Eggs	0.005*	0.01*	0	0
	MO 0098	Kidney of cattle, goats, pigs and sheep	W ^a	0.05		
	MO 0099	Liver of cattle, goats, pigs and sheep	W ^a	0.3		
	MF 0100	Mammalian fats (except milk fats)	0.05	0.01	0.012	0.037
	MM 0095	Meat (from mammals other than marine mammals)	0.04	0.02	0.0077	0.027
	ML 0106	Milks	0.01	0.01	0.0027	0.0077
	GC 0647	Oats	0.2	0.5	0.085 (0.075 ^b)	
	AS 0647	Oats straw and fodder, dry	0.5	5	0.68	2.4
	PF 0111	Poultry fats	0.005*	0.01*	0	0
	PM 0110	Poultry meat	0.005*	0.01*	0	0
	PO 0111	Poultry, Edible offal of	0.005*	0.01*	0	0
	GC 650	Rye	0.07	0.5	0.017	
	AS 650	Rye straw and fodder, dry	0.5	5	0.68	2.4
	VR 0596	Sugar beet	0.03	0.05*	0.013	
	AV 1051	Fodder beet leaves or tops	W	1		
	AB 0596	Sugar beet pulp, dry	0.1		0.0442 (dw)	
	GC 0653	Triticale	0.07		0.017	
	AS 0653	Triticale straw and fodder, dry	0.5		0.68	2.4
	GC 0654	Wheat	0.07	0.5	0.017	
	CM 0654	Wheat bran, unprocessed	0.2		0.0493	
	CF 1210	Wheat germ	0.3		0.0561	
	AS 0654	Wheat straw and fodder, dry	0.5	5	0.68	2.4
	CF 1212	Wheat wholemeal	0.1		0.0238	
		Beer			0.000136	
		Pot Barley			0.0306	
		Barley flour			0.085	
	CF 1211	Wheat flour			0.00595	
	Oat flakes			0.0272		
DM 0596	Sugar beet molasses			0.00065		
	Sugar, refined			0.00065		
dw = dry weight basis						
^a to be replaced by edible offal (mammalian) recommendation						
Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for plant commodities: <i>fenpropimorph</i>						
Definition of the residue (for compliance with the MRLs and for estimation of dietary exposure) for animal commodities: <i>2-methyl-2-[4-[2-methyl-3-(cis-2,6-dimethylmorpholin-4-yl)propyl]phenyl]propionic acid, expressed as fenpropimorph.</i>						
<i>The residue is not fat soluble</i>						
Fenpyrazamine (298)*	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup)	3		0.74	2.2
ADI: 0–0.3 mg/kg bw	FS 0014	Subgroup of Plums(includes all commodities in this subgroup)	2		0.455	1.7
ARfD: 0.8 mg/kg bw	FS 2001	Subgroup of Peaches (includes all commodities in this subgroup)	4		1.1	3.8

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	FB 2005	Subgroup of Cane berries (includes all commodities in this subgroup)	5		2.05	3.3
	FB 2006	Subgroup of Bush berries (includes all commodities in this subgroup)	4		0.985	2.9
	FB 0269	Grapes	4		1.25	3.4
	DF 0269	Dried grapes	12		3.38	9.2
	FB 0275	Strawberry	3		0.94	2.0
	VC 0424	Cucumber	0.7		0.23	0.38
	VO 0445	Peppers, sweet (including pimento or pimiento)	3		0.90	1.5
	VO 0448	Tomato	3		0.81	1.8
	VO 2700	Cherry tomato	3		0.81	1.8
	VO 2046	Subgroup of eggplants (includes all commodities in this subgroup)	3		0.81	1.8
	VL 0482	Lettuce, Head	1.5		0.195	2.4
	VL 0483	Lettuce, Leaf	1.5		0.195	2.4
	VR 0604	Ginseng	0.7		0.20	0.38
	TN 0660	Almond	0.01*		0.02	
	MF 0100	Mammalian fats (except milk fats)	0.02*	-	0	0
	MM 0095	Meat (from mammals other than marine mammals)	0.02*	-	0	0
	ML 0106	Milks	0.01*	-	0	-
	MO 0105	Edible offal (mammalian)	0.05	-	0.018 Kidney 0.038 Liver	0.018 Kidney 0.038 Liver
		Grape juice			0.5	
		White wine			1.88	
		Red wine			1.12	
Definition of the residue for plant commodities (for enforcement of MRLs): <i>Fenpyrazamine</i>						
Definition of the residue for plant commodities (for estimation of dietary exposure): <i>Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine</i>						
Definition of the residue for animal commodities (for enforcement of MRLs and for estimation of dietary exposure): <i>Sum of fenpyrazamine and 5-amino-1,2-dihydro-2-isopropyl-4-(o-tolyl)pyrazol-3-one (S-2188-DC), expressed as fenpyrazamine</i>						
<i>The residue is not fat-soluble.</i>						
Fenproximate (193)**	FP 0226	Apple	0.2		0.075	0.15
ADI: 0–0.01 mg/kg bw	FI 0326	Avocado	0.2	0.2	0.05	0.1
ARfD: 0.01 mg/kg bw	FP 0230	Pear	0.2		0.078	0.14
	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup) ^a	2	2	0.585	0.99
	FS 0247	Peach ^a	0.8		0.155	0.33
	FS 0240	Apricot	0.4		0.17	0.25
	FS 0014	Subgroup of Plums (including fresh prunes) (includes all commodities in this subgroup)	0.8		0.155	0.33
	FC 0001	Group of Citrus fruit (includes all commodities in this group)	0.6	0.5	0.020	0.0364
	FB 0269	Grapes	0.1	0.1	0.035	0.06
	FB 0275	Strawberries	0.3	0.8	0.06	0.2
	FB 0272	Raspberry	0.2		0.07	0.11
	VC 0424	Cucumber	0.3	0.3	0.13	0.24
	VC 0431	Squash, summer	0.06		0.025	0.04

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	VC 0046	Melons, except watermelon,	0.2	0.05	0.05	0.09
	VC 0432	Watermelon ^a	0.05		0.1	0.1
	VO 0051	Subgroup of Peppers (except Martynia, Okra and Roselle)	0.2		0.05	0.13
	VO 2046	Subgroup of Eggplants (includes all commodities in this subgroup)	0.3		0.1	0.17
	VO 0448	Tomato	0.3		0.1	0.17
	VO 2700	Cherry tomato,	0.3		0.1	0.17
	VP 2060	Subgroup of Beans with pods (includes all commodities in this subgroup)	0.5		0.075	0.42
	VR 0589	Potato,	0.05*	0.05	0	0
	GC 0645	Maize	0.01*		0.01	
	TN 0085	Tree nut	0.05*	0.05*	0	0
	SB 0716	Coffee beans	0.07		0.025	0.04
	DH 1100	Hops, dry	15	10	5.15	
	DT 1114	Tea, green, black, dried	8		1.4	
	ML 0106	Milks	0.01*	0.01*	0.0015	
	MM 0095	Meat (from mammals other than marine mammals)	0.1(fat)	0.2(fat)	0.011mus cle	0.02
	MO 0105	Edible offal (mammalian)	0.5	0.02	0.24	0.455
	MF 0100	Mammalian fats (except milk fats)	0.1	0.01	0.03	0.089
	DF 0226	Apples, dried	1		0.33	0.66
	DF 0269	Dried grapes (= Currants, Raisins and Sultanas)	0.2	0.3	0.07	0.12
	OR 0001	Citrus oil	25		6.5	
	OC 0645	Maize fodder	5		2.05	4.1
	VO 0050	Fruiting vegetable other than cucurbits	W	0.2		
	FP 0009	Pome fruits	W	0.3		
	DF 0014	Prunes dry	W	0.7		
	FS 0012	Stone fruits	W	0.4		
	VP 0526	Common beans (pod and/or immature seeds)	W	0.4		
	HS 0444	Peppers, Chili, dried	W	1.0		
	JF 0226	Apple juice			0.012	
		Apple sauce			0.0135	
	JF 0269	Grape juice			0.005	
		Grape wine			0.005	
	JF 0448	Tomato juice			0.064	
		Tomato canned			0.04	0.067
	MW 0448	Tomato purée			0.072	
	DM 0001	Citrus molasses			0.011	
	JF 0001	Citrus juice			0.0048	
	CF 0645	Maize meal			0.0015	
	CF 1255	Maize flour			0.0037	
		Maize grits			0.00016	
	OR 0645	Maize oil			0.0099	
	DT 0171	Teas (Tea and Herb teas)			0.015	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with the MRL) for plant commodities : <i>Fenpyroximate</i>						
Definition of the residue (for estimation of dietary exposure) for plant and animal commodities: <i>sum of parent fenpyroximate and itert-butyl (Z)-α-(1,3-dimethyl-5-phenoxy)pyrazol-4-ylmethyleneamino-oxy)-p-toluate (its Z-isomer M-1), expressed as fenpyroximate</i>						
Definition of the residue (for compliance with the MRL) for animal commodities: <i>sum of fenpyroximate, 2-hydroxymethyl-2-propyl (E)-4-[(1,3-dimethyl-5-phenoxy)pyrazol-4-yl]-methylenaminooxymethyl]benzoate(Fen-OH), and (E)-4-[(1,3-dimethyl-5-phenoxy)pyrazol-4-yl]methyleneaminooxymethyl]benzoic acid(M-3), expressed as fenpyroximate.</i>						
Definition of the residue (for estimation of dietary exposure) for animal commodities: <i>sum of fenpyroximate, 2-hydroxymethyl-2-propyl (E)-4-[(1,3-dimethyl-5-phenoxy)pyrazol-4-yl]-methylenaminooxymethyl]benzoate(Fen-OH), (E)-4-[(1,3-dimethyl-5-phenoxy)pyrazol-4-yl]methyleneaminooxymethyl]benzoic acid(M-3), and (E)-4-[(1,3-dimethyl-5-(4-hydroxyphenoxy)pyrazol-4-yl]methyleneaminooxymethyl]benzoic acid (M-5, free and its conjugates), expressed as fenpyroximate</i>						
<i>The residue is fat-soluble</i>						
^a The information provided to the JMPR precludes an estimate that the dietary exposure for cherry, peach, plums, watermelon, dried tomatoes and dried plums would be below the ARfD.						
Fonicamid (282)	VP 2060	Subgroup of Beans with pods (except soya bean (succulent seeds in pods))	0.7		0.1055	
ADI: 0–0.07 mg/kg bw	VP 2061	Subgroup of Peas with pods	0.8		0.14	
ARfD: Unnecessary	VP 2062	Subgroup of Succulent beans without pods (except soya bean (succulent seeds))	0.3		0.077	
	VP 2063	Subgroup of Succulent peas without pods	0.4		0.077	
	VD 2065	Subgroup of Dry beans (except soya bean (dry))	0.15		0.02	
	VD 2066	Subgroup of Dry peas	1		0.16	
Definition of the residue (for compliance with MRLs and estimation for estimation of dietary exposure) for plant commodities: <i>Flonicamid</i>						
Definition of the residue (for compliance with MRLs and estimation of dietary exposure) for animal commodities: <i>Flonicamid and the metabolite TFNA-AM, expressed as flonicamid.</i>						
<i>The residue is not fat soluble.</i>						
Fluensulfone (265)						
ADI:0–0.01 mg/kg bw						
ARfD: 0.3 mg/kg bw						
Definition of the residue (for compliance with MRLs) for plant commodities: <i>sum of fluensulfone and 3,4,4-trifluorobut-3-ene-1-sulfonic acid (BSA), expressed as fluensulfone equivalents.</i>						
Definition of the residue (for estimation of dietary exposure) for plant commodities: <i>fluensulfone</i>						
Definition of the residue (for compliance with MRLs and for estimation of dietary exposure) for animal commodities: <i>fluensulfone</i>						
<i>Residue is fat-soluble.</i>						
Fluopyram (243)	VS 0620	Artichoke, globe	0.4		0.13	0.22
ADI: 0–0.01 mg/kg bw	GC 0640	Barley	0.2		0.017	
ARfD: 0.5 mg/kg bw	AS 0640	Barley straw and fodder, dry	2		0.095	1.1
	HH 0722	Basil	70		19	32
	DH 0722	Basil, dry	400		96	187
	AL 0061	Bean fodder	70		19	29
	VD 0071	Beans (dry)	W	0.07		
	FB 0264	Blackberries	W	3		
	VO 2700	Cherry tomato	0.4		0.09	0.23
	VD 0524	Chick-pea (dry)	W	0.07		
	SO 0691	Cottonseed	0.8	0.01*	0.0585	
	HS 0730	Dill seed	70		23.5	
	MO 0105	Edible offal (mammalian)	8		3.8 Liver 0.6 kidney	7.4 Liver 1.2 kidney
	PE 0112	Eggs	2	1	0.46	1.4
	DH 1100	Hops (dry)	50		10.35	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	MO 0098	Kidney of cattle, goats, pigs and sheep	W	0.8		
	VD 0533	Lentil (dry)	W	0.07		
	MO 0099	Liver of cattle, goats, pigs and sheep	W	5		
	VD 0545	Lupin (dry)	W	0.07		
	AS 0645	Maize fodder	18		1.85	13
	MF 0100	Mammalian fat	1.5		0.67	1.5
	FI 0345	Mango	1		0.02	0.053
	MM 0095	Meat (from mammals other than marine mammals)	1.5	0.8	0.51	1
	ML 0106	Milks	0.8	0.5	0.48	
	AS 0647	Oat straw and fodder, dry	2		0.095	1.1
	GC 0647	Oats	0.2		0.017	
	VA 0387	Onion, Welsh	2		0.41	0.96
	AL 0072	Pea hay or Pea fodder (dry)	100		18	48
	SO 0697	Peanut	0.2	0.03	0.033	
	AL 0697	Peanut fodder	47		5.4	21
	HS 0444	Peppers Chili, dried	30	5	1.4	14
	VR 0589	Potato	0.15	0.03	0.021	0.083
	PF 0111	Poultry fat	1		0.28	0.9
	PM 0110	Poultry meat	1.5	0.5	0.19	0.95
	PO 0110	Poultry, Edible offal of	5	2	0.88	3
	FC 0005	Pummelo and Grapefruits (including Shaddock-like hybrids, among others Grapefruit)	0.4		0.14	0.23
	FB 0272	Raspberries, Red, Black	W	3		
	GC 0649	Rice	4		0.615	
	AS 0649	Rice straw and fodder, dry	17		2.55	6.7
	GC 0650	Rye	0.9		0.19	
	AS 0650	Rye straw and fodder, dry	23		4.8	12
	VD 0541	Soya bean (dry)	0.3		0.0205	
	AL 0541	Soya bean fodder	35		6.1	20
	VA 0389	Spring onion	15		5.1	7.3
	FB 2006	Subgroup of Bush berries (includes all commodities in this subgroup)	7		1.15	4.9
	FB 2005	Subgroup of Cane berries (includes all commodities in this subgroup)	5		0.83	2.5
	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup)	2	0.7	0.57	1.2
	VD 2065	Subgroup of Dry Beans (except Soya bean (dry))	0.15		0.015	
	VD 2066	Subgroup of Dry Peas (includes all commodities in this subgroup)	0.7		0.058	
	VO 2046	Subgroup of Eggplants (includes all commodities in this subgroup)	0.5		0.11	0.37
	FC 0002	Subgroup of Lemons and Limes (includes all commodities in this subgroup)	1		0.325	0.51

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	GC 2091	Subgroup of Maize Cereals (includes all commodities in this subgroup)	0.02		0.01	
	FC 0003	Subgroup of Mandarins (includes all commodities in this subgroup)	0.6		0.15	0.37
	FC 0004	Subgroup of Oranges, Sweet, Sour (includes all commodities in this subgroup)	0.6		0.15	0.37
	VO 0051	Subgroup of Peppers (except Martynia, Okra, Roselle)	3	0.5	0.14	1.4
	SO 0702	Sunflower seed	0.7		0.066	
	GC 0447	Sweet corn (Corn on the cob) (kernels plus cob with husk removed)	0.01*		0.01	0.01
	VO 0448	Tomato	0.5	0.4	0.11	0.37
	GC 0653	Triticale	0.9		0.19	
	AS 0653	Triticale straw and fodder, dry	23		4.8	12
	GC 0654	Wheat	0.9		0.19	
	AS 0654	Wheat straw and fodder, dry	23		4.8	12
	VL 2832	Witloof chicory (sprouts)	0.15		0.02	0.07
		Cooked rice			0.0246	
	OR 0691	Cottonseed oil (refined)			0.000585	
		Maize bran			0.027	
	CF 1255	Maize flour			0.0085	
		Maize grits			0.0051	
	CF 0645	Maize meal			0.0081	
		Maize oil (dry milled)			0.0036	
		Maize oil (wet milled)			0.0058	
		Maize starch			0.0036	
	JF 0004	Orange juice			0.0015	
	OR 0004	Orange oil, edible			2.4	
		Orange peel			0.27	0.67
		Orange flesh			0.024	0.059
		Peanut butter			0.0073	
		Peanut meal			0.0063	
	OR 0697	Peanut oil			0.00033	
		Potato (peeled)			0.013	0.053
		Potato chips (crisps)			0.013	
		Potato flakes			0.021	
	CM 1206	Rice bran, Unprocessed			0.68	
	CM 1207	Rice hulls			1.23	
	CM 0649	Rice, Husked			0.178	
	CM 1205	Rice, Polished			0.0676	
		Soya bean flour			0.0008	
	AB 1265	Soya bean meal			0.001	
		Soya bean milk			0.00041	
	OR 0541	Soya bean oil			0.00041	
	OR 0702	Sunflower seed oil, Edible			0.00066	
	JF 0448	Tomato juice			0.04	
	VW 0448	Tomato paste			0.051	
		Tomato preserve			0.023	
		Tomato puree			0.08	
	CF 0654	Wheat bran, Processed			0.51	
	CF 1211	Wheat flour			0.023	
	CF 1210	Wheat germ			0.46	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with the MRL and for the estimation of dietary exposure) for plant commodities: <i>fluopyram</i>						
Definition of the residue (for compliance with the MRL) for animal commodities: <i>Sum of fluopyram and 2-(trifluoromethyl) benzamide, expressed as fluopyram</i>						
Definition of the residue (for the estimation of dietary exposure) for animal commodities: <i>Sum of fluopyram, 2-(trifluoromethyl)benzamide and the combined residues of N-((E)-2-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]ethenyl)-2-trifluoromethyl benzamide and N-((Z)-2-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]ethenyl)-2-trifluoromethyl benzamide, all expressed as fluopyram.</i>						
<i>The residue is not fat-soluble.</i>						
Flupyradifurone (285)	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup)	2		0.555	1.1
ADI: 0–0.08 mg/kg bw	FS 2001	Subgroup of Peaches (including Nectarine and Apricots) (includes all commodities in this subgroup)	1.5		0.39	1.1
ARfD: 0.2 mg/kg bw	FS 0014	Subgroup of Plums (including fresh Prunes) (includes all commodities in this subgroup)	0.4		0.23	0.59
	DF 0014	Prunes, dried	3		1.15	2.95
		Canned peaches			0.17	0.47
		Cooked cherries			0.19	0.38
Definition of the residue (for compliance with the MRL) for plant commodities: <i>Flupyradifurone</i>						
Definition of the residue (for estimation of dietary exposure) for plant commodities: <i>Sum of flupyradifurone, difluoroacetic acid and 6-chloronicotinic acid, expressed as parent equivalents</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities: <i>Sum of flupyradifurone and difluoroacetic acid, expressed as parent equivalents</i>						
<i>The residue is not fat-soluble.</i>						
Fosetyl AI (302)*	FI 0236	Avocado	20		3.4	
ADI: 0–1 mg/kg bw (Applies to fosetyl-aluminium and phosphonic acid, expressed as fosetyl-aluminium)	VC 0424	Cucumber	60		14	
ARfD: Unnecessary	MM 0105	Edible offal (mammalian)	0.5		0.29 kidney 0.22 liver	
	FB 0269	Grapes	60		15.5	
	FP 0009	Group of Pome fruits (includes all commodities in this group)	50		15	
	DH 1100	Hops (dry)	1500		350	
	VL 0482	Lettuce, Head	200		41	
	VL 0483	Lettuce, Leaf	40		9.1	
	MF 0100	Mammalian fats (except milk fats)	0.2		0.12	
	MM 0095	Meat (from mammals other than marine mammals)	0.15		0.12 fat 0.07 muscle	
	VC 0046	Melon (except water melon)	60		14	
	MM 0106	Milks	0.1		0.05	
	VO 0445	Peppers, Sweet, (including pimento or pimienta)	7		0.36	
	VL 0502	Spinach	20		4.1	
	FB 0275	Strawberries	70		11	
	FC 0003	Subgroup of Mandarins (includes all commodities in this subgroup)	50		13	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	FC 0004	Subgroup of Oranges, Sweet, Sour (includes all commodities in this subgroup)	20		4.8	
	VC 0431	Summer squash	70		25.5	
	VO 0448	Tomato	8		0.34	
	TN 0085	Tree nuts (includes all commodities in this group)	400		54	
	JF 0226	Apple juice			14	
		Apple puree (sauce)			11	
		Beer (hops)			1.7	
		Canned strawberries			5.6	
		Cooked spinach			3.8	
	JF 0269	Grape juice			15	
		Grape must			9.1	
	JF 0004	Orange juice			4.5	
		Strawberry jam			5.6	
	JF 0448	Tomato juice			0.27	
		Tomato preserve			0.3	
		Tomato puree			0.48	
		Wine			12	
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant commodities: <i>Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities: <i>Phosphonic acid</i>						
<i>The residue is not fat soluble.</i>						
Imazamox (276)	GC 0640	Barley	0.02		0.04	
ADI: 0–3 mg/kg bw	AS 0640	Barley straw and fodder, dry	0.05 (dw)		0.05(dw)	0.05(dw)
ARfD: 3 mg/kg bw						
Definition of the residue (for compliance with the MRL) for plant and animal commodities: <i>Imazamox</i> .						
Definition of the residue (for estimation of dietary exposure) for plant and animal commodities: <i>Sum of imazamox and 5-(hydroxymethyl)-2-(4-isopropyl-4-methyl-5-oxo-2-imazazolin-2-yl) nicotinic acid (CL 263284), expressed as imazamox.</i>						
<i>The residue is not fat-soluble.</i>						
(dw) – dry weight						
Imazapyr (267)	GC 0640	Barley	0.7		0.175	
ADI: 0–3 mg/kg bw	AS 0640	Barley straw and fodder, dry	0.05 (dw)		0.05 (dw)	0.05 (dw)
ARfD: Unnecessary						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>Imazapyr</i>						
<i>The residue is not fat-soluble.</i>						
(dw) – dry weight						
Imidacloprid (206)						
ADI: 0–0.06 mg/kg bw						
ARfD: 0.4 mg/kg bw						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>Sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid.</i>						
<i>The residue is not fat soluble</i>						
Isoprothiolane (299)*	CM 0649	Rice, Husked	6		1.60	
ADI: 0–0.1 mg/kg bw	CM 1205	Rice, polished	1.5		0.40	
ARfD: Unnecessary	MM 0095	Meat (from mammals other than marine mammals)	0.01 *		0	
	ML 0106	Milks	0.01 *		0	
	MF 0100	Mammalian fats (except milk fats)	0.01 *		0	
	MO 0105	Edible offal (mammalian)	0.01 *		0	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with the MRL) for plant commodities: <i>isoprothiolane</i> .						
Definition of the residue (for estimation of dietary exposure) for rice: <i>isoprothiolane</i>						
Definition of the residue (for estimation of dietary exposure) for plants other than rice: <i>sum of isoprothiolane, diisopropyl-4-hydroxy-1,3-dithiolan-2-ylidenemalonate (M-3); free and conjugated, and 1-hydroxypropan-2-yl propan-2-yl 1,3-dithiolan-2-ylidenemalonate (M-5); free and conjugated, expressed as isoprothiolane</i>						
Definition of the residue (for compliance with the MRL and estimation of dietary exposure) for animal commodities: <i>sum of isoprothiolane and 2-(1,3-dithiolan-2-ylidene)-3-oxo-3-(propan-2-yloxy)propanoic acid (M-2), expressed as isoprothiolane</i>						
<i>The residue is not fat soluble</i>						
Isopyrazam (249)	FP 0009	Group of Pome fruits (includes all commodities in this group)	0.4		0.12	0.24
ADI: 0–0.06 mg/kg bw	VC 0424	Cucumber	0.06		0.0235	0.041
ARfD: 0.3 mg/kg bw	VC 0046	Melon, except watermelon	0.15		0.015	0.015
	VO 0445	Peppers, Sweet (including pimento or pimiento)	0.09		0.0305	0.050
	VO 2700	Cherry tomato	0.4		0.0535	0.23
	VO 0448	Tomato	0.4		0.0535	0.23
	VO 2046	Subgroup of Eggplants (includes all commodities in this group)	0.4		0.0535	0.23
	VR 0577	Carrot	0.15		0.022	0.10
	GC 0640	Barley	0.6	0.07	0.051	
	GC 0654	Wheat	0.03	0.03	0.015	
	GC 0650	Rye	0.03	0.03	0.015	
	GC 0653	Triticale	0.03	0.03	0.015	
	SO 0495	Rape seed	0.2		0.0415	
	SO 0697	Peanut	0.01		0.015	
	DF 0226	Apple, dry	3		0.71	1.4
	DV 0448	Tomato, dry	5		0.5885	2.53
	AS 0640	Barley straw and fodder, dry	15 (dw)	3	0.84	6.9
	AS 0650	Rye straw and fodder, dry	15 (dw)	3	0.84	6.9
	AS 0653	Triticale straw and fodder, dry	15 (dw)	3	0.84	6.9
	AS 0654	Wheat straw and fodder, dry	15 (dw)	3	0.84	6.9
	MF 0100	Mammalian fats (except milk fats)	0.03	0.01*	0.01	
	MM 0095	Meat (from mammals other than marine mammals)	0.03(fat)	0.01*	0.01	
	MO 0105	Edible offal (mammalian)	0.02	0.02	0.01	
	ML 0106	Milks	0.01*	0.01*	0.01	
	FM 0183	Milk fats	0.02	0.02	0.01	
	JF 0226	Apple juice			0.0036	
		Canned apple			0.0071	0.014
		Apple sauce			0.023	
		Apple paste			0.023	
		Barley malt			0.03	
		Barley beer			0.061	
		Pot barley			0.17	
	OR 0495	Rape seed oil, edible			0.038	
Definition of the residue (for compliance with the MRL) for plant commodities: <i>isopyrazam (sum of syn-isomer and anti-isomer)</i> .						
Definition of the residue (for estimation of dietary exposure) for plant commodities: <i>sum of isopyrazam and 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid [9-(1-hydroxyl-1-methylethyl)-(1RS, 4RS, 9RS)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]amide expressed as isopyrazam</i> .						
Definition of the residue (for compliance with the MRL for estimation of dietary exposure) for animal commodities: <i>isopyrazam (sum of syn-isomer and anti-isomer)</i> .						
<i>The residue is fat-soluble.</i>						

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Natamycin (300)*						
ADI: not established						
ARfD: not established						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>Natamycin</i>						
<i>The residue is not fat-soluble.</i>						
Oxamyl (126)**						
ADI: 0–0.009 mg/kg bw	FP 0226	Apple	W	2		
ARfD: 0.009 mg/kg bw	VB 0402	Brussels sprouts	0.01*		0	0
	VR 0577	Carrot	0.01*	0.1	0	0
	VO 2700	Cherry tomato	0.01*		0.01	0.01
	FC 0001	Group of Citrus fruit (includes all commodities in this group)	W	3		
	SO 0691	Cotton seed	W	0.2		
	VC 0424	Cucumber	0.02	1	0.01	0.016
	MO 0105	Edible offal (Mammalian)	0.01*		0	0
	MO 0096	Edible offal of cattle, goats, horse, pigs and sheep	W	0.02*		
	VO 0440	Eggplant (includes all commodities in this subgroup)	0.01*		0.01	0.01
	PE 0112	Eggs	W	0.02*		
	MF 0100	Mammalian fats (except milk fats)	0.01*		0	0
	MM 0095	Meat (from mammals other than marine mammals)	0.01*	0.02*	0	0
	VC 0046	Melons, except Watermelon	0.01	1	0.005	0.005
	ML 0106	Milks	0.01*	0.02*	0	0
	VR 0588	Parsnip	0.01*		0	0
	SO 0697	Peanut	W	0.05		
	AL 0697	Peanut fodder	W	0.2 (dw)		
	HS 0444	Peppers, Chili (dried)	0.01*		0	0
	VR 0589	Potato	0.01*	0.1	0	0
	PO 0111	Poultry, Edible offal of	W	0.02*	0	0
	PM 0110	Poultry meat	W	0.02*	0	0
	HS 0191	Spices, Fruits and Berries	W	0.07		
	HS 0193	Spices, Roots and Rhizomes	W	0.05		
	VC 0431	Squash, Summer	0.04		0.01	0.022
	VO 2046	Subgroup of Eggplants (includes all commodities in this subgroup)	0.01*		0.01	0.01
	VO 0051	Subgroup of Peppers (except Martynia, Okra and Roselle)	0.01*	5	0.01	0.01
	VR 0596	Sugar beet	0.01*		0	0
	VO 0448	Tomato	0.01*	2	0.01	0.01
	VC 0432	Watermelon	0.01		0.005	0.005
		Potato, baked			0	0
		Potato, boiled/microwaved			0	0
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>Oxamyl</i> .						
<i>The residue is not fat-soluble</i>						
dw - dry weight						
Phosphonic acid (301)*						
ADI: 0–1 mg/kg bw (Applies to fosetyl-aluminium and phosphonic acid, expressed as fosetyl-aluminium)						
ARfD: Unnecessary						

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant commodities: <i>Sum of fosetyl, phosphonic acid and their salts, expressed as phosphonic acid</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal commodities: <i>Phosphonic acid</i>						
<i>The residue is not fat soluble</i>						
NB: The proposed maximum residue levels, STMRs are reported in the fosetyl-aluminium appraisal						
Picoxystrobin (258)	GC 0640	Barley	0.3		0.017	
ADI: 0–0.09 mg/kg bw	AS 0640	Barley straw and fodder, dry	7 (dw)		0.88 Hay (dw) 0.225 Straw (dw)	5.5 Hay (dw) 1.7 Straw (dw)
ARfD: 0.09 mg/kg bw	MO 0105	Edible offal (mammalian)	0.02		0.01	0.012
	PE 0112	Eggs	0.01*		0	0
	GC 0645	Maize	0.015		0.01	
	AS 0645	Maize fodder	20 (dw)		3.8 (dw)	8.6 (dw)
	OR 0645	Maize oil, edible	0.15		0.069	
	MF 0100	Mammalian fats (except milk fats)	0.02		0.01	0.015
	MM 0095	Meat (from mammals other than marine mammals) (fat)	0.02		Muscle: 0 Fat: 0.01	Muscle: 0 Fat: 0.015
	ML 0106	Milks	0.01*		0	0
	GC 0647	Oats	0.3		0.017	
	AS 0647	Oat straw and fodder, dry	7 (dw)		0.88 Hay (dw) 0.225 Straw (dw)	5.5 Hay (dw) 1.7 Straw (dw)
	AL 0072	Pea hay or pea fodder (dry)	150(dw)		12.5(dw)	64(dw)
	GC 0656	Popcorn	0.015		0.01	
	PO 0111	Poultry, edible offal of	0.01*		0	0
	PF 0111	Poultry fats	0.01		0.01	0.01
	PO 0110	Poultry meat	0.01*		0	0
	GC 0650	Rye	0.04		0.01	
	AS 0650	Rye straw and fodder, dry	7(dw)		0.88 Hay (dw) 0.225 Straw (dw)	5.5 Hay (dw) 1.7 Straw (dw)
	AL 0541	Soya bean fodder	5 (dw)		1.2(dw)	2.7(dw)
	OR 0541	Soya bean oil, refined	0.2		0.034	
	VD 2065	Subgroup of dry beans (includes all commodities in this subgroup)	0.06		0.0105	
	VD 2066	Subgroup of dry peas (includes all commodities in this subgroup)	0.06		0.0105	
	GC 0447	Sweet corn (corn-on-the-cob) (kernels plus cob with husk removed)	0.01*		0.01	0.01
	GC 0653	Triticale	0.04		0.01	
	AS 0653	Triticale straw and fodder, dry	7(dw)		0.88 Hay (dw) 0.225 Straw (dw)	5.5 Hay (dw) 1.7 Straw (dw)
	GC 0654	Wheat	0.04		0.01	
	CF 0654	Wheat bran, processed	0.15		0.027	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
	CF 1210	Wheat germ	0.15		0.032	
	AS 0654	Wheat straw and fodder, dry	7(dw)		0.88 Hay (dw)	5.5 Hay (dw) 1.7 Straw (dw)
		Barley beer			0.01	
		Barley malt			0.01	
		Wheat wholemeal flour			0.012	
		Wheat white flour			0.01	
		Wheat wholemeal bread			0.01	
		Wheat white bread			0.01	
		Maize starch			0.01	
		Maize grits (meal)			0.01	
	CF 1255	Maize flour			0.011	
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for animal and plant commodities: <i>picoxystrobin</i> . <i>The residue is fat-soluble</i>						
Propiconazole (160)	FC 0004	Subgroup of Oranges, Sweet, Sour (including Orange-like hybrids)	15 Po	9 Po	0.22	0.43
ADI: 0–0.07 mg/kg bw	FC 0003	Subgroup of Mandarins (including Mandarin-like hybrids)	15 Po		0.22	0.43
ARfD: 0.3 mg/kg bw	FC 0002	Subgroup of Lemons and Limes (including Citron)	15 Po		0.22	0.43
	FC 0005	Subgroup of Pummelo and Grapefruits (including Shaddock-like hybrids)	6 Po		0.11	0.16
	FS 0247	Peach	1.5 Po	5 Po	0.59	0.60
	FS 0013	Subgroup of Cherries (includes all commodities in this subgroup)	3 Po		1.0	1.8
	FS 0014	Subgroup of Plum including Prunes) (includes all commodities in this subgroup)	0.5 Po	0.6 Po	0.15	0.23
	FS 0353	Pineapple	4 Po		0.16	0.19
	OR 0001	Orange oil	2800		777	
	JF 0004	Orange juice			0.046	
	JF 0341	Pineapple juice			0.16	
Definition of the residue (for compliance with the MRL) for plant and animal commodities: <i>propiconazole</i> . Definition of the residue (for the estimation of dietary exposure) for plant and animal commodities: <i>propiconazole plus all metabolites convertible to 2,4-dichloro-benzoic acid, expressed as propiconazole</i> . <i>The residue is fat-soluble</i>						
Propylene oxide (250) ADI: 0–0.04 mg/kg bw ARfD: 0.04 mg/kg bw						
Propylene chlorohydrin ADI: 0–0.3 mg/kg bw ARfD: 0.3 mg/kg bw						
Propylene bromohydrin ADI: 0–0.03 mg/kg bw ARfD: 0.03 mg/kg bw						
Definition of the residue (for compliance with MRL) for plant commodities: <i>propylene oxide</i> . Definition of the residue (for estimation of dietary exposure) for plant commodities: <i>propylene oxide, propylene chlorohydrin and propylene bromohydrin. Propylene chlorohydrin and propylene bromohydrin to be considered separately from propylene oxide</i> . <i>The residue is not fat soluble</i> .						

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Prothioconazole (232) ADI: 0–0.05 mg/kg bw ARfD: 0.8 mg/kg bw (For women of child-bearing age)	SO 0691	Cotton seed	0.3		0.052	
	ML 0106	Milks	0.004*	0.004*	0.004	0.004
	MF 0100	Mammalian fats (except milk fats)	0.02		0.01	0.018
	MM 0095	Meat (from mammals other than marine mammals)	0.01	0.01	0.01	0.01
Prothioconazole-desthio ADI: 0–0.01 mg/kg bw ARfD: 0.01 mg/kg bw (For women of child-bearing age) ARfD: 1 mg/kg bw (For the General population) Definition of the residue (for compliance with MRL and estimation of dietary exposure) for plant commodities: <i>Prothioconazole-desthio</i> . Definition of the residue (for compliance with the MRL) for animal commodities: <i>Prothioconazole-desthio</i> . Definition of the residue (for the estimation of dietary exposure) for animal commodities: <i>the sum of prothioconazole-desthio, prothioconazole-desthio-3-hydroxy, prothioconazole-desthio-4-hydroxy and their conjugates expressed as prothioconazole-desthio</i> . <i>The residue is not fat soluble</i>	MO 0105	Edible offal (mammalian)	0.3	0.5	0.03Kidney, 0.055 Liver	0.15 Kidney, 0.23 Liver
	PE 0112	Eggs	0.005*		0.0006	0.0006
	PO 0111	Poultry edible offal	0.1		0.071 Liver	0.071 Liver
	PF 0111	Poultry fats	0.01*		0.008	0.008
	PM 0110	Poultry meat	0.01*		0.0016	0.0016
Quinclorac (287) ADI: 0–0.4 mg/kg bw ARfD: 2 mg/kg bw	MO 0105	Edible offal (mammalian)	0.1		0.052	0.060
	PE 0112	Eggs	0.05*		0	0
	MF 0100	Mammalian fats (except milk fats)	0.05*		0.05	0.05
	MM 0095	Meat (from mammals other than marine mammals)	0.05* (fat)		0.05 fat 0 muscle	0.05 fat 0 muscle
	ML 0106	Milks	0.05*		0	
	PO 0111	Poultry, Edible offal of	0.05*		0.05	0.05
	PF 0111	Poultry fats	0.05*		0.05	0.05
	PM 0110	Poultry meat	0.05* (fat)		0.05 fat 0 muscle	0.05 fat 0 muscle
	SO 0495	Rape seed	0.15		0.64	
	GC 0649	Rice	10		1.45	
	CM 0649	Rice, husked	10		1.45	
	CM 1205	Rice, polished	8		1.1	
	AS 0649	Rice straw and fodder, dry	8 (dw)		1.2 (as)	4.4 (as)
	OR 0495	Rape seed oil, edible			0.70	
	CM 1206	Rice bran, unprocessed			2.2	
Definition of the residue for compliance with MRL for plant commodities: <i>quinclorac plus quinclorac conjugates</i> . Definition of the residue (for the estimation of dietary exposure) for plant commodities: <i>quinclorac plus quinclorac conjugate plus quinclorac methyl ester expressed as quinclorac</i> . Definition of the residue (for compliance with the MRL and estimating dietary exposure) for animal commodities: <i>quinclorac plus quinclorac conjugates</i> . <i>The residue is fat-soluble</i> dw dry weight (as) Based on as received basis.						
Saflufenacil (251) ADI: 0–0.05 mg/kg bw ARfD: Unnecessary	SO 0485	Mustard seed	0.6		0.054	
	SO 0693	Linseed	0.6		0.054	

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with MRL and for estimation of dietary exposure) for plant and animal commodities: <i>safinopyr</i> .						
<i>The residue is not fat soluble.</i>						
Spinetoram (233)	FC 0003	Subgroup of mandarin (including mandarin-like hybrids)	0.15		0.0605	
ADI: 0–0.05 mg/kg bw	FS 0013	Subgroup of cherries (includes all commodities in this subgroup)	0.09		0.0205	
ARfD: Unnecessary	FS 0014	Subgroup of plums (includes all commodities in this subgroup)	0.09		0.02	
	FS 0240	Apricot	0.15		0.0485	
	FB 0278	Currant, Black, Red, White	0.5		0.18	
	FB 0275	Strawberry	0.15		0.026	
	FT 0305	Table olives	0.07		0.02	
	FI 0326	Avocado	0.3		0.02	
	FI 0343	Litchi	0.015		0.02	
	FI 0345	Mango	0.01*		0.02	
	FI 0351	Passion fruit	0.4		0.12	
	VA 0384	Leek	0.05		0.026	
	VC 2039	Subgroup of Fruiting vegetables, Cucurbits - Cucumbers and Summer squashes (includes all commodities in this subgroup)	0.04		0.02	
	VC 0046	Melons, except watermelon	0.01*		0.02	
	VO 0051	Subgroup of Peppers (except Martynia, Okra and Roselle)	0.4		0.026	
	VD 0541	Soya bean (dry)	0.01*		0.02	
	VR 0589	Potato	0.01*		0.02	
	HS 0444	Peppers, Chili, dried	4		0.26	
	CM 0649	Husked rice	0.02*		0.04	
	GC 0645	Maize	0.01*		0.02	
	GC 0447	Sweet corn (Corn on the cob) (kernels plus cob with husk removed)	0.01*		0.02	
	SO 0691	Cotton seed	0.01*		0	
	ML 0106	Milks	0.02	0.01*	0.004	
	FM 0183	Milk fats	0.15	0.1	0.023	
	MM 0095	Meat (from mammals other than marine mammals)	1 (fat)	0.2 (fat)	0.005 (muscle) 0.025 (fat)	
	MO 0105	Edible offal (mammalian)	0.08	0.01*	0.005 (liver, kidney)	
	MF 0100	Mammalian fats (except milk fats)	1		0.025	
	PM 0110	Poultry meat	0.01* (fat)		0.0002 (muscle) 0.004 (fat)	
	PO 0111	Poultry, edible offal of	0.01*		0.0004	
	PF 0111	Poultry fats	0.01*		0.004	
	PE 0112	Eggs	0.01*		0.0004	
	AS 0649	Rice straw and fodder, dry	1.5			
	AS 0447	Sweet corn fodder	0.15			

Pesticide (Codex reference number)	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P mg/kg	HR or HR-P mg/kg
			New	Previous		
Definition of the residue (for compliance with the MRL) for plant and animal commodities: <i>Spinetoram</i> .						
Definition of the residue (for estimation of dietary exposure) for plant and animal commodities: <i>Spinetoram and N-demethyl and N-formyl metabolites of the major spinetoram component</i> .						
<i>The residue is fat soluble.</i>						
Tebuconazole (189)	VP 2060	Subgroup of Beans with pods (includes all commodities in this subgroup)	3		0.315	1.9
ADI: 0–0.03 mg/kg bw	VP 0526	Common bean (pods and/or immature seeds)	W	2		
ARfD: 0.3 mg/kg bw						
Definition of the residue (for compliance with the MRL and for estimation of dietary exposure) for plant and animal commodities: <i>tebuconazole</i> .						
<i>Residue is fat-soluble.</i>						
Thiophanate-methyl (077)**						
ADI: 0–0.09 mg/kg bw						
ARfD: 1 mg/kg bw						
Definition of the residue (for compliance with MRL) for plant and animal commodities and (for the estimation of dietary exposure) for plant commodities: <i>Sum of thiophanate-methyl and carbendazim, expressed as carbendazim</i>						
Definition of the residue (for the estimation of dietary exposure) for animal commodities is: <i>Sum of thiophanate-methyl, carbendazim, 5-hydroxy carbendazim and 5-hydroxy carbendazim sulphate, expressed as carbendazim</i>						
<i>The residue is not fat soluble.</i>						
Trifloxystrobin (213)	VB 0041	Cabbages, Head	1.5	0.5	0.01	
ADI: 0–0.04 mg/kg bw	SO 0691	Cotton seed	0.4		0.03	
ARfD: Unnecessary	VR 0604	Ginseng	0.03*		0.03	
	VL 0502	Spinach	20		7.6	
	OR 0691	Cotton seed refined oil, edible			0.0006	
Definition of the residue (for compliance with the MRL) for plant commodities: <i>trifloxystrobin</i> .						
Definition of the residue (for estimation of dietary exposure) of plant commodities: <i>sum of trifloxystrobin and [(E,E)- methoxyimino-2-[1-(3-trifluoromethylphenyl)ethylideneaminoxyethyl]phenyl]acetic acid</i> (CGA 32 1113), expressed as <i>trifloxystrobin</i> .						
Definition of the residue (for compliance with the MRL and estimation of dietary exposure) in animal commodities: <i>sum of trifloxystrobin and [(E,E)-methoxyimino-2-[1-(3-trifluoromethylphenyl)ethylideneamino-oxymethyl]phenyl]acetic acid</i> (CGA 32 1113), expressed as <i>trifloxystrobin</i> . <i>The residue is fat soluble.</i>						
Triflumezopyrim (303)*	GC 0649	Rice	0.2	-	0.053	-
ADI: 0–0.2 mg/kg bw	CM 1207	Rice, husked	0.01	-	0.066	
ARfD: 1 mg/kg bw	CM 1205	Rice, polished	0.01	-	0.086	-
	AS 0649	Rice straw and fodder, dry	0.4 dw		0.063 as	0.21 as
	MM 0095	Meat (from mammals other than marine mammals)	0.01*	-	0	0
	MF 0100	Mammalian fats (except milk fats)	0.01*	-	0	0
	MO 0105	Edible offal (Mammalian)	0.01*	-	0	0
	ML 0106	Milks	0.01*	-	0	0
	PE 0112	Eggs	0.01*	-	0	0
	PM 0110	Poultry meat	0.01*	-	0	0
	PF 0111	Poultry fats	0.01*	-	0	0
	PO 0111	Poultry, Edible offal of	0.01*	-	0	0
	FM 0183	Milk fats	0.01*	-	0	0
	CM 1206	Rice bran			0.0125	
Definition of the residue (for compliance with the MRL) for plant and animal commodities: <i>Triflumezopyrim</i>						
Definition of the residue for the estimation of dietary exposure) for plant commodities: <i>Sum of triflumezopyrim and 3- (trifluoromethyl)benzoic acid (IN-Y2186), expressed as triflumezopyrim</i>						
Definition of the residue (for the estimation of dietary exposure) for animal commodities: <i>Triflumezopyrim</i>						
<i>The residue is not fat soluble.</i>						
dw – dry weight as – on an as received basis						