

CODEX ALIMENTARIUS COMMISSION

E



Food and Agriculture
Organization of
the United Nations



World Health
Organization

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TO: Codex Contact Points
Interested International Organizations

FROM: Secretariat,
Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme
FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy

SUBJECT: **REQUEST FOR COMMENTS ON THE RECOMMENDATIONS OF THE 2016 JOINT
FAO/WHO MEETING ON PESTICIDE RESIDUES (JMPR)¹**

DEADLINE: **28 February 2017**

COMMENTS: **To:**

CCPR Secretariat
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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 Rome, Italy, from 13 to 22 September 2016. 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 27 pesticides, of which nine were new compounds, and three were reevaluated within the periodic review programme 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 the 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 programme.
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 2016 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 2016 JMPR and also on other recommendations which are relevant to the work of the 49th 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. Codex circular letters are available on the Codex website at: <http://www.codexalimentarius.org/> (Circular Letters, 2016).

ANNEX 1:

Acceptable daily intakes, short-term dietary intakes, acute reference doses, recommended maximum residue limits and supervised trials median residue values recorded by the 2016 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		
Acibenzolar-S-methyl (288)*	FP 0226	Apple	0.3		0.01	0.17
ADI: 0–0.08 mg/kg bw	FI 0327	Banana	0.06		0.02	0.03
ARfD: 0.5 mg/kg bw	VB 0040	Brassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicas	0.7		0.315	0.62
	VL 0054	Brassica leafy vegetables	1		0.585	0.795
	FC 0001	Citrus fruits	0.015		0.01	0.01
	MO 0105	Edible offal (Mammalian)	0.02 *		0	0
	PE 0112	Eggs	0.02 *		0	0
	VC 0045	Fruiting vegetables, Cucurbits	0.8		0.175	0.47
	VA 0381	Garlic	0.15		0.05	0.06
	FI 0341	Kiwifruit	0.03		0.01	0.02
	VL 0482	Lettuce, Head	0.2		0.0825	0.15
	VL 0483	Lettuce, Leaf	0.4		0.18	0.27
		Low growing berries (including strawberries)	0.15		0.045	0.08
	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	0
	VA 0385	Onion, Bulb	0.15		0.05	0.06
	FS 0247	Peaches (including nectarines and apricots)	0.2		0.05	0.13
	PF 0111	Poultry fats	0.02 *		0	0
	PM 0110	Poultry meat	0.02 *		0	0
	PO 0111	Poultry, Edible offal of	0.02 *		0	0
	VA 0388	Shallot	0.15		0.05	0.06
	VL 0502	Spinach	0.6		0.285	0.54
	VO 0448	Tomato	0.3		0.09	0.15
	JF 0048	Tomato juice			0.0702	
	MW 0448	Tomato purée			0.169	
		Tomato canned			0.0594	0.10

Definition of the residue (for compliance with MRLs for animal and plant commodities and for dietary risk assessment for animal commodities): *Sum of acibenzolar-S-methyl and 1,2,3-benzothiadiazole-7-carboxylic acid (acibenzolar acid) (free and conjugates), expressed in terms of acibenzolar-S-methyl.*

Definition of residue (for dietary risk assessment for plants): *Sum of acibenzolar-S-methyl and 1,2,3-benzothiadiazole-7-carboxylic acid (acibenzolar acid), (free and conjugated) and 1,2,3-benzothiadiazole-4-hydroxy-7-carboxylic acid (4-OH acibenzolar acid) (free and conjugated), expressed as acibenzolar-S-methyl.*

The residue is not fat soluble.

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		
Bentazone (261)						
ADI: 0–0.09 mg/kg bw						
ARfD: 0.5 mg/kg bw						
<i>Definition of the residue (for compliance with the MRL and for dietary risk assessment for animal and plant commodities): bentazone.</i>						
<i>The residue is not fat soluble.</i>						
Benzovindiflupyr(172)	VC 0045	Fruiting vegetables, Cucurbits	0.2		0.023	0.16
ADI: 0–0.05 mg/kg bw	GC 0640	Barley	1		0.18	
ARfD: 0.1 mg/kg bw	AS 0640	Barley straw and fodder, dry	15 (dw)		3.9 (ar)	12 (ar)
	VD 0071	Beans (dry)	0.2		0.011	
	SB 0716	Coffee beans	0.15		0.015	
	DF 0269	Dried grapes (= currants, raisins and sultanas)	3		0.7	1.9
	MO0105	Edible offal (Mammalian)	0.1	0.01	0.014	0.064
	PE0112	Eggs	0.01 *	0.01	0	0
	VO 0050	Fruiting vegetables other than Cucurbits	0.9		0.089	0.62
	FB 0269	Grapes	1		0.29	0.81
	MF0100	Mammalian fats (except milk fats)	0.03	0.01	0.01	0.019
	MM0095	Meat (from mammals other than marine mammals)	0.03(F)	0.01	0.01 muscle 0.01 fat	0.01 muscle 0.019 fat
	ML0106	Milks	0.01 *	0.01	0	
	AS 0647	Oat straw and fodder, dry	15 (dw)		3.9 (ar)	12 (ar)
	GC 0647	Oats	1		0.18	
	AL 0072	Pea hay or fodder, dry	8 (dw)		2.2 (ar)	3.8 (ar)
	SO 0697	Peanut	0.04		0.01	
	AL 0697	Peanut fodder	15 (dw)		2.2 (ar)	7.6 (ar)
	VD 0072	Peas (dry)	0.15		0.011	
	HS 0444	Peppers Chili, dried	9		0.89	6.2
	FP 0009	Pome fruits	0.2		0.058	0.17
	VR 0589	Potato	0.02		0.01	0.015
	PF 0111	Poultry fats	0.01 *	0.01	0	0
	PM 0110	Poultry meat	0.01 *	0.01	0	0
	PO 0111	Poultry, Edible offal of	0.01 *	0.01	0	0
	SO 0495	Rape seed	0.2		0.023	
	GC 0650	Rye	0.1		0.023	
	AS 0650	Rye straw and fodder, dry	15 (dw)		3.9 (ar)	12 (ar)
	VD 0541	Soya bean (dry)	0.08	0.05	0.01	
	GS 0659	Sugar cane	0.04		0.02	0.02
	VO 0447	Sweet corn (corn-on-the-cob)	0.01 *		0.01	0.01
	GC 0653	Triticale	0.1		0.023	
	AS 0653	Triticale straw and fodder, dry	15 (dw)		3.9 (ar)	12 (ar)
	GC 0654	Wheat	0.1		0.023	
	AS 0654	Wheat straw and fodder, dry	15 (dw)		3.9 (ar)	12 (ar)
		Apple jelly			0.005	

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		
	JF 0226	Apple juice			0.003	
		Apple sauce			0.026	
		Apple, canned fruit			0.003	
		Baked potatoes			0.022	0.033
		Barley bran			0.07	
		Barley flour			0.072	
		Boiled potatoes			0.005	0.044
		Canned tomato			0.003	0.019
	SM 0716	Coffee beans, roasted			0.006	
		Crystal sugar			0.005	
		Dried tomato			0.79	5.52
		Fried potatoes			0.003	0.004
	JF 0269	Grape juice			0.022	
		Instant coffee			0.008	
		Peanut butter			0.023	
		Pearl barley			0.083	
		Potato chips			0.003	
		Red wine			0.023	
		Soya sauce			0.0023	
		Soya bean milk			0.0023	
		Tofu			0.0033	
		Tomato juice			0.008	
	VW 0448	Tomato paste			0.037	
		Tomato purée			0.015	
	CM 0654	Wheat bran, unprocessed			0.053	
	CF 1211	Wheat flour			0.003	
	CF 1210	Wheat germ			0.023	
		White flour			0.008	
		White wine			0.012	
	CP 1212	Wholemeal bread			0.012	
		Wholemeal flour			0.015	

Definition of the residue (for compliance with the MRL and for estimation of dietary risk assessment for plant and animal commodities): *benzovindiflupyr*

The residue is fat soluble.

(ar) Expressed on an "as received" basis

Bixafen (262)*	GC 0640	Barley	0.4		0.08	-
ADI: 0–0.02 mg/kg bw	AS 0640	Barley, straw and fodder, dry	20 (dw)		2.2 (ar)	11 (ar)
ARfD: 0.2 mg/kg bw	MO 0105	Edible offal (Mammalian)	4		kidney: 0.4 liver: 1.7	kidney: 0.93 liver: 3.9
	PE 0112	Eggs	0.05		0.02	0.047
	MF 0100	Mammalian fats (except milk fats)	2		0.5	1.3
	MM 0095	Meat (from mammals other than marine mammals)	2 (fat)		muscle: 0.21 fat: 0.5	muscle: 0.71 fat: 1.3
	FM 0183	Milk fat	5		2.05	-

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		
	ML 0106	Milks	0.2		0.082	-
	GC 0647	Oats	0.4		0.08	-
	AS 0647	Oats, straw and fodder, dry	20 (dw)		2.2 (ar)	11 (ar)
	PO 0111	Poultry, Edible offal of	0.05		0.02	0.03
	PF 0111	Poultry fats	0.05		0.02	0.04
	PM 0110	Poultry meat	0.02*		0	0
	SO 0495	Rape seed	0.04		0.02	-
	OR 0495	Rape seed oil, refined	0.08		0.03	-
	GC 0650	Rye	0.05		0.02	-
	AS 0650	Rye, straw and fodder, dry	20 (dw)		2.2 (ar)	11 (ar)
	GC 0653	Triticale	0.05		0.02	-
	AS 0653	Triticale, straw and fodder, dry	20 (dw)		2.2 (ar)	11 (ar)
	GC 0654	Wheat	0.05		0.02	-
	CM 0654	Wheat, bran	0.15		0.052	-
	AS 0654	Wheat, straw and fodder, dry	20 (dw)		2.2 (ar)	11 (ar)
		Barley, pearl			0.02	
		Beer			0.009	
	CF 1211	Wheat flour			0.007	
	CF 1210	Wheat germ			0.022	
	CP 1211	White bread			0.007	
	CF 1212	Wheat wholemeal			0.018	
	CP 1212	Wholemeal bread			0.012	
Definition of the residue (for compliance with MRLs) for plant commodities: <i>bixafen</i> .						
Definition of the residue (for compliance with MRLs) for animal commodities and (for dietary risk assessment) for plant and animal commodities: <i>sum of bixafen and N-(3',4'-dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1H-pyrazole-4-carboxamide (bixafen-desmethyl), expressed as bixafen.</i>						
<i>The residue is fat soluble.</i>						
(dw) Dry weight						
(ar) Expressed on an "as received" basis						
Buprofezin (173)	FI 0326	Avocado	0.1		0.01	0.01
ADI: 0–0.009 mg/kg bw	HH 0722	Basil	1.5		0.45	0.72
ARfD: 0.5 mg/kg bw	VD 0541	Soya bean, dry	0.01*		0.01	
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant and animal commodities: <i>Buprofezin</i> .						
<i>The residue is not fat soluble.</i>						
Chlorantraniliprole (230)	PE 0112	Eggs	0.2	0.2	0.099	
ADI: 0–2 mg/kg bw	SO 0697	Peanut	0.06		0.01	
ARfD: Unnecessary	PF 0111	Poultry fats	0.08	0.01*	0.031	
	PM 0110	Poultry meat	0.02	0.01*	0.008	
	PO 0111	Poultry, Edible offal of	0.07	0.01*	0.028	
	AS 0161	Straw, fodder (dry) and hay of cereal grains and other grass-like plants (except corn and rice).	30 (dw)	-	5.2	15
Definition of the residue (for compliance with MRL and for dietary risk assessment) for plant and animal commodities: <i>chlorantraniliprole</i> .						
<i>The residue is fat soluble.</i>						
(dw) Dry weight						

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		
Deltamethrin (135)	SO 0495	Rape seed	0.2		0.07	
ADI: 0–0.01 mg/kg bw						
ARfD: 0.05 mg/kg bw						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant and animal commodities: <i>sum of deltamethrin and its α-R- and trans- isomers.</i> <i>The residue is fat soluble.</i>						
Dimethomorph (225)						
ADI: 0–0.2 mg/kg bw	VL 0483	Lettuce, Leaf	9	20	0.8	6.2
ARfD: 0.6 mg/kg bw						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant and animal commodities: <i>dimethomorph (sum of isomers).</i> <i>The residue is not fat soluble.</i>						
Fenpropimorph (188)**						
ADI: 0–0.003 mg/kg bw						
ARfD: 0.1 mg/kg bw						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant commodities: <i>fenpropimorph</i> Definition of the residue (for compliance with the MRLs and for dietary risk assessment) 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>						
Fipronil (202)	HH 0722	Basil	1.5		0.23	0.57
ADI: 0–0.0002 mg/kg bw						
ARfD: 0.003 mg/kg bw						
<i>Fipronil and fipronil-desulfinyl, alone or in combination</i>						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant commodities: <i>fipronil.</i> Definition of the residue (for compliance with MRLs and for dietary risk assessment) for animal commodities: <i>sum of fipronil and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4- trifluoromethylsulphonylpyrazole (MB 46136), expressed as fipronil.</i> <i>The residue is fat soluble.</i>						
Fonicamid (282)	MM 032	Edible offal (Mammalian)	0.2	0.06	0.1	
ADI: 0–0.07 mg/kg bw	PE 0112	Eggs	0.15	0.03	0.06	
ARfD: Unnecessary	MM 031	Mammalian fats	0.05	0.02	0.02	
	MM 030	Meat (from mammals other than marine mammals)	0.15	0.05	0.06	
	MM 033	Milks	0.15	0.04	0.05	
	PF 0111	Poultry fats	0.05	0.02	0.04	
	PM 0110	Poultry meat	0.1	0.02	0.04	
	PO 0111	Poultry, Edible offal of	0.1	0.02	0.04	
Definition of the residue (for compliance with MRLs and estimation for dietary risk assessment) for plant commodities: <i>Fonicamid.</i> Definition of the residue (for compliance with MRLs and estimation for dietary risk assessment) for animal commodities: <i>Fonicamid and the metabolite TFNA-AM, expressed as fonicamid.</i> <i>The residue is not fat soluble.</i>						
Fluazifop-P-butyl (283)*^a	TN 0660	Almonds	0.01*		0.011	0.011
ADI: 0–0.004 mg/kg bw	FI 0327	Banana	0.01*		0.011	0.011
ARfD: 0.4 mg/kg bw	AL 0061	Bean fodder	7 (dw)		0.43 (dw)	3.5 (dw)
	VD 0071	Beans (dry)	40		2.4	

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		
	VP 0061	Beans, except broad bean and soya bean	6		0.32	4.9
	VB 0041	Cabbages, Head	3		0.2	3.7
	FB 2005	Caneberries	0.01*		0.011	0.011
	VR 0577	Carrot	0.6		0.18	0.69
	VR 0578	Celeriac	0.4		0.12	0.4
	FC 0001	Citrus fruits	0.01*		0.011	0.011
	AB 0001	Citrus pulp, dry	0.06*		0.06	
	SB 0716	Coffee beans	0.01*		0.011	0.011
	SO 0691	Cotton seed	0.7		0.053	
	FB 0021	Currants, black, red, white	0.01*		0.011	0.011
	MO 0105	Edible offal (Mammalian)	0.2		0.088	0.18
	VO 0440	Eggplant	0.4		0.053	0.26
	PE 0112	Eggs	0.03		0.014	0.027
	VD 0561	Field pea (dry)	3		0.4	
	AM 1051	Fodder beet	0.5		0.095	0.32
	VA 0381	Garlic	0.3		0.12	0.28
	FB 0268	Gooseberries	0.01*		0.011	0.011
	FB 0269	Grapes	0.01*		0.011	0.011
	VL 0483	Lettuce, Leaf	0.01*		0.013	0.022
	TN 0669	Macadamia nuts	0.01*		0.011	0.011
	MF 0100	Mammalian fats (except milk fats)	0.09		0.048	0.081
	MM 0095	Meat (from mammals other than marine mammals)	0.09 (fat)		0.024	0.038
	ML 0106	Milks	0.2		0.1	
	SO 0305	Olives for oil production	0.01*		0.011	0.011
	VA 0385	Onion, Bulb	0.3		0.12	0.28
		Orange oil	0.05*		0.055	
	VP 0063	Peas (pods and succulent = immature seeds)	2		0.44	1
	VP 0064	Peas, shelled (succulent seeds)	15		0.42	8.1
	TN 0672	Pecan	0.01*		0.011	0.011
	FP 0009	Pome fruits	0.01*		0.011	0.011
	VR 0589	Potato	0.6		0.1	1
	PF 0111	Poultry fats	0.03		0.016	0.025
	PM 0110	Poultry meat	0.03		0.016	0.025
	PO 0111	Poultry, Edible offal of	0.09		0.054	0.082
	VA 0388	Shallots	0.3		0.12	0.28
	VD 0541	Soya bean (dry)	15		2.9	
	AL 0541	Soya bean fodder	4 (dw)		0.32 (dw)	2.1 (dw)
	FS 0012	Stone fruits	0.01*		0.011	0.011
	FB 0275	Strawberries	0.3		0.063	0.13
	VR 0596	Sugar beet	0.5		0.19	0.76
	DM 0596	Sugar beet molasses	7		1.33	

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		
	AB 0596	Sugar beet pulp, dry	20		3.8	
	GS 0659	Sugar cane	0.01*		0.011	0.011
	SO 0702	Sunflower seed	7		0.3	
	VR 0497	Swede	4		1.3	4.8
	VR 0508	Sweet potato	2		1	2
	FT 0305	Table Olives	0.01*		0.011	0.011
	VO 0448	Tomato	0.4		0.053	0.26
	VR 0506	Turnip, Garden	4		1.3	4.8
	TN 0678	Walnuts	0.01*		0.011	0.011
	VR 0600	Yams	2		1	2
	OC 0541	Soya bean oil, crude			2.4	
	OR 0702	Sunflower seed oil, edible			0.009	
	JF 0001	Citrus juices			0.0077	
		Peas, green, cooked			0.37	7.1
		Peas, green, canned			0.30	5.8
		Potato, flesh			0.11	1.1
		Potato, cooked without peel			0.080	0.80
		Soya flour			3.2	
		Soya milk			0.46	
		Sugar beet, refined sugar			0.068	

Definition of the residue (for compliance with MRLs for plant commodities): *total fluazifop, defined as the sum of fluazifop-P-butyl, fluazifop-P-acid (II) and their conjugates, expressed as fluazifop-P-acid.*

Definition of the residue (for dietary risk assessment) for plant commodities: *the sum of fluazifop-P-butyl, fluazifop-P-acid (II), 2-[4-(3-hydroxy-5-trifluoromethyl-2-phenoxy)pyridyloxy] propionic acid (XL), 5-trifluoromethyl-2-pyridone (X) and their conjugates, expressed as fluazifop-P-acid.*

Definition of the residue (for compliance with MRLs and for dietary risk assessment) for animal commodities: *total fluazifop, defined as the sum of fluazifop-P-butyl, fluazifop-P-acid (II) and their conjugates, expressed as fluazifop-P-acid.*

The residue is fat soluble.

(dw) Dry weight

^a The information provided to the JMPR precludes an estimate that the dietary exposure would be below the ADI.

Fluensulfone (265)	VR 0574	Beetroot	4		0.12	0.50
ADI: 0–0.01 mg/kg bw	VB 0400	Brassica (cole or cabbage) vegetables, Head cabbage, Flowerhead brassicas	1.5		0.01	0.01
ARfD: 0.3 mg/kg bw	VR 0577	Carrot	4		0.12	0.50
	VR 0578	Celeriac	4		0.12	0.50
	VS 0624	Celery	2		0.1085	0.55
	VR 0579	Chervil, Turnip-rooted	4		0.12	0.50
	VC 0424	Cucumber	0.7		0.01	0.017
	MO 0105	Edible offal (Mammalian)	0.01*		0	0
	PE 0112	Eggs	0.01*		0	0
	VC 0045	Fruiting vegetables, Cucurbits	W	0.3		
	VO 0050	Fruiting vegetables, other than Cucurbits, except sweetcorn and mushroom	0.7	0.3	0.01	0.01
	VR 0583	Horseradish	4		0.12	0.50
	VL 0481	Komatsuna	9		0.01	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		
	VL 0053	Leafy vegetables (not specified elsewhere)	1 ^(R)		0.01	0.01
	VP 0060	Legume vegetables	0.1 ^(R)		0.01	0.01
	VL 0482	Lettuce, Head	0.8		0.01	0.018
	FB 2009	Low-growing berries	0.5		0.01	0.01
	MF 0100	Mammalian fats (except milk fats)	0.01*		0	0
	MM 0095	Meat (from mammals other than marine mammals)	0.01* (fat)		0	0
	VC 0046	Melons, except watermelon	0.3		0.01	0.01
	ML 0106	Milks	0.01*		0	
	VL 0485	Mustard greens	20		0.01	0.01
	VR 0588	Parsnip	4		0.12	0.50
	HS 0444	Peppers, chilli, dried	7	2	0.10	0.10
	VR 0589	Potato	0.8		0.01	0.01
	DV 0589	Potato, dried	2		0.01	
	PO 0111	Poultry, Edible offal of	0.01*		0	0
	PF 0111	Poultry fats	0.01		0.0005	0.0021
	PM 0110	Poultry meat	0.01*		0 0.005 (fat)	0 0.0021 (fat)
	VR 0494	Radish	4		0.12	0.50
	VR 0591	Radish Japanese	4		0.12	0.50
	VL 0494	Radish leaves	50		0.01	0.01
	VR 0075	Root and tuber vegetables (not specified elsewhere)	3 ^(R)		0.01	0.01
	VL 0502	Spinach	4		0.01	0.01
	VC 0431	Squash, summer	0.7		0.01	0.017
	VR 0497	Swede	4		0.12	0.50
	VR 0508	Sweet potato	0.8		0.01	0.01
	DV 0448	Tomato, dried	1.5	0.5	0.01	0.01
	VW 0448	Tomato paste	1.5	0.5	0.01	
	VR 0506	Turnip, Garden	4		0.12	0.50
	VL 0506	Turnip greens	10		0.01	0.01
	VC 0432	Watermelon	0.3		0.01	0.01
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 dietary risk assessment) for plant commodities: <i>fluensulfone.</i>						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for animal commodities: <i>fluensulfone.</i>						
<i>Residue is fat soluble.</i>						
^(R) Indicates a maximum residue level relating to rotational crops.						
Flupyradifurone (285)*		Alfalfa hay	30 (dw)		14	42
ADI: 0–0.08 mg/kg bw	DF 0226	Apples, dried	2		0.44	1.2
ARfD: 0.2 mg/kg bw	VD 0071	Beans, dry	0.4		3.22	
	VP 0062	Beans, shelled (succulent = immature seeds)	0.2		1.17	2.77

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		
	VP 0061	Beans, except broad bean and soya bean (green pods and immature seeds)	1.5		2.63	5.1
		Bean hay	30 (dw)		5.7	17
	VA 0036	Bulb vegetables, except Fennel, Bulb	0.01*		0.18	0.39
	FB 2006	Bush berries	4		0.725	2.6
	VB 0041	Cabbages, Head	1.5		0.79	1.71
	VB 0404	Cauliflower	6		0.48	3.01
	VS 0624	Celery	9 ^a		2.38	7.19
	GC 0080	Cereal grains (except maize and rice)	3		1.315	
	SO 0691	Cotton seed	0.8		0.395	
	VC 0424	Cucumber	0.4			
	DF 0269	Dried grapes	8		1.6	5.8
	MO 0105	Edible offal (Mammalian)	4		Kidney 0.87 Liver 0.81	Kidney 3.40 Liver 2.75
	PE 0112	Eggs	0.7		0.15	0.42
	FB 0269	Grapes	3		0.63	2.3
	FC 0002	Lemons and limes (including citron)	1.5		0.32	0.73
	VL 0482	Lettuce, Head	4		1.3	2.4
	VL 0483	Lettuce, Leaf	15 ^a		2.6	8.0
	FC 0003	Mandarins	1.5		0.44	0.99
	MF 0100	Mammalian fats (except milk fats)	1		0.15	0.86
	MM 0095	Meat (from mammals other than marine mammals)	1.5		Muscle 0.30 Fat 0.15	Muscle 1.27 Fat 0.86
	GC 0645	Maize	0.015		0.49	
		Maize bran	0.05		0.76	
	VC 0046	Melons, except watermelon	0.4		0.57	1.07
	ML 0106	Milks	0.7		0.11	0.48
	VL 0485	Mustard greens	40 ^a		12	25
	FC 0004	Oranges, Sweet, Sour	4		0.505	2.2
	SO 0697	Peanut	0.04		0.225	0.35
		Peanut hay	30(dw)		11	20
	VD 0072	Peas (dry)	3		3.605	
		Pea hay	50(dw)		19.5	36
	VP 0063	Peas (pods and succulent = immature seeds)	3		2.68	5.5
	VP 0064	Peas, shelled (succulent seeds)	3		2.78	5.7
	TN 0672	Pecan	0.015		0.060	0.063
	VO 0051	Peppers	0.9		0.68	2.39
	HS 0444	Peppers Chili, dried	9		6.8	23.9
	FP 0009	Pome fruits	0.9		0.45	0.69
	VR 0589	Potato	0.05		0.291	0.57

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		
	PF 0111	Poultry fats	0.3		0.11	0.24
	PM 0110	Poultry meat	0.8		Muscle 0.27 Fat 0.11	Muscle 0.64 Fat 0.24
	PO 0111	Poultry, Edible offal of	1		0.39	0.88
	FC 0005	Pummelo and Grapefruits	0.7		0.21	0.32
	VR 0075	Root and tuber vegetables (except potato)	0.7		0.29	1.37
	VD 0541	Soya bean (dry)	1.5		3.44	
		Soya bean hay	40(dw)		15.5	41
	VL 0502	Spinach	30 ^a		8.5	19
	AS 0081	Straw and fodder, dry of cereal grains	40(dw)		9.6 (hay) 6.3 (straw and stover)	31 (hay) 23 (straw and stover)
	FB 0275	Strawberry	1.5		1.505	2.74
	VC 0431	Squash, Summer	0.2		0.655	2.19
	VO 0447	Sweet corn (corn-on-the-cob)	0.05		0.56	1.59
	VR 0508	Sweet potato	0.05		0.291	0.57
	VO 0448	Tomato	1		0.71	2.79
	CM 0654	Wheat bran, unprocessed	8		2.0	
	CF 1210	Wheat germ	5		1.64	
	CF 1212	Wheat wholemeal	5		1.64	
	JF 0226	Apple juice			0.14	0.37
		Apple sauce			0.18	0.50
		Beer			0.099	
	VD 0523	Broad bean (dry)			2.49	
	VD 0524	Chick pea (dry)			2.49	
	JF 0001	Citrus juice			0.068	0.30
	OR 0691	Cotton seed oil, edible			0.079	
	JF 0269	Grape juice			0.43	1.6
	VD 0533	Lentil (dry)			2.49	
	VD 0545	Lupin (dry)			2.49	
	CF 1255	Maize flour			0.44	
		Maize germ			0.51	
		Maize meal			0.44	
	OR 0645	Maize oil, edible			0.44	
		Maize starch			0.44	
		Orange marmalade			0.078	0.34
		Orange oil			0.068	0.30
		Pearled barley			0.16	
		Peanut butter			0.17	0.26
		Peanuts, roasted			0.17	0.26
	OR 0697	Peanut oil, edible			0.13	0.20
	VD 0537	Pigeon pea (dry)			2.49	
		Potato chips			0.36	0.71
		Potato flakes			0.45	0.88
		Potato starch			0.16	0.31

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		
		Soya bean milk			0.72	
		Soya flour			5.3	
	OR 0541	Soya bean oil, refined			0.13	
	JF 0048	Tomato juice			0.48	1.9
	VW 0448	Tomato paste			1.3	5.3
	MW 0448	Tomato purée			1.1	4.2
	CF 1211	Wheat flour			0.59	
		Wheat gluten			0.53	
		Wheat starch			0.034	
	CP 1211	White bread			0.42	
	CP 1212	Whole meal bread			1.05	
		Wine			0.26	0.95

Definition of the residue (for compliance with MRLs) for plant commodities: *Flupyradifurone*.

Definition of the residue (for dietary risk assessment) for plant commodities: *Sum of flupyradifurone, difluoroacetic acid and 6-chloronicotinic acid, expressed as parent equivalents.*

Definition of the residue (for compliance with MRLs and for dietary risk assessment) for animal commodities: *Sum of flupyradifurone and difluoroacetic acid, expressed as parent equivalents.*

The residue is not fat soluble.

^a The information provided to the JMPR precludes an estimate that the dietary intake for celery, leaf lettuce, spinach and mustard greens would be below the ARfD.

(dw) Dry weight

Imazethapyr (289)*	AL 1031	Clover hay or fodder	1.5 (dw)	-	0.80 (ar)	2.81 (ar)
ADI: 0–0.6 mg/kg bw	MO 0105	Edible offal (Mammalian)	0.01*	-	Kidney 0.001 Liver 0	-
ARfD: Unnecessary	PE 0112	Eggs	0.01*	-	0	-
	VD 0533	Lentil (dry)	0.1*	-	0.078	-
	GC 0645	Maize	0.1*	-	0	-
	AS 0645	Maize fodder	0.1* (dw)	-	0.04 (ar)	0.04 (ar)
	MF 0100	Mammalian fats (except milk fats)	0.01*	-	0	-
	MM 0095	Meat (from mammals other than marine mammals)	0.01 *	-	0	-
	ML 0106	Milks	0.01 *	-	0	-
	SO 0697	Peanut	0.1*	-	0.056	-
	PF 0111	Poultry fats	0.01*	-	0	-
	PM 0110	Poultry meat	0.01*	-	0	-
	PO 0111	Poultry, Edible offal of	0.01*	-	0	-
	SO 0495	Rape seed	0.1*	-	0	-
	GC 0649	Rice	0.1*	-	0.078	-
	AS 0649	Rice straw and fodder, dry	0.15* (dw)	-	0.078 (ar)	0.084 (ar)
	VD0541	Soya bean (dry)	0.03	-	0.0475	-
		Maize oil			0	
	OR 0541	Soya bean oil, refined			0.012	

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) for plant commodities and (for compliance with MRLs and dietary risk assessment) for animal commodities: <i>Sum of imazethapyr, 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr.</i>						
Definition of the residue (for dietary risk assessment) for plant commodities: <i>Sum of imazethapyr, and 5-hydroxyethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid (OH-imazethapyr), and 5-[1-(beta-D-glucopyranozyloxyethyl)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid, expressed as imazethapyr.</i>						
<i>The residue is not fat soluble.</i>						
(dw) Dry weight						
(ar) Expressed on an "as received" basis.						
Isofetamid (290)*	TN 0660	Almonds	0.01*		0.01	0.01
ADI: 0–0.05 mg/kg bw	AB 0660	Almond hulls	0.8 (dw)		0.01 (dw)	-
ARfD: 3 mg/kg bw	DF 0269	Dried grapes (= Currants, Raisins and Sultanas)	7		1.7	5.98
	MO 0105	Edible offal (Mammalian)	0.07		0.058	0.058
	PE 0112	Eggs	0.01*		0	0
	VL 0482	Lettuce, Head	5		0.29	4.7
	VL 0483	Lettuce, Leaf	7		0.115	5.2
	FB 2009	Low growing berries (includes all commodities in this subgroup)	4		0.49	3.1
	MF 0100	Mammalian fats (except milk fats)	0.02		0.012	0.012
	MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)		0.012 fat 0.01 muscle	0.012 fat 0.01 muscle
	ML 0106	Milks	0.01*		0.003	0.003
	PO 0111	Poultry, Edible offal of	0.01*		0	0
	PF 0111	Poultry fats	0.01*		0	0
	PM 0110	Poultry meat	0.01*		0	0
	SO 0495	Rape seed	0.015		0.01	-
	OR 0495	Rape seed oil, edible	0.03		0.02	-
	FB 2008	Small fruit vine climbing (includes all commodities in this subgroup)	3		0.73	2.6
	JF 0269	Grape juice			0.095	
		Red wine			0.15	
		White wine			0.28	
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for plant commodities: <i>Isofetamid.</i>						
Definition of the residue (for compliance with MRLs and for dietary risk assessment) for animal commodities: <i>Sum of isofetamid and 2-[3-methyl-4-[2-methyl-2-(3-methylthiophene-2-carboxamido) propanoyl]phenoxy]propanoic acid (PPA), expressed as isofetamid.</i>						
<i>The residue is fat soluble.</i>						
(dw) Dry weight						
Methoprene (147)	SO 0089	Oilseed except peanut	4 Po		2.0	2.6
ADI: 0–0.09 & 0.05. mg/kg body weight (0–0.09 mg/kg bw for the R,S racemate; 0–0.05 mg/kg bw for S-methoprene)						
ARfD: Unnecessary						
Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant and animal commodities: <i>Methoprene. 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		
Metrafenone (278)	FS 0013	Cherries	2		0.52	
ADI: 0–0.3 mg/kg bw	VC 0424	Cucumber	W	0.2		
ARfD: Unnecessary	VO 0440	Egg plant	0.6		0.11	
	VC 0045	Fruiting vegetables, Cucurbits	0.5		0.13	
	VC 0245	Gherkin	W	0.2		
	DH 1100	Hops, dry	70		21	
	FS 2001	Peaches	0.7		0.21	
	HS 0444	Peppers Chili, dried	20	20	3.5	
	VO 0444	Peppers, Chili	2	2	0.35	
	VO 0445	Peppers, Sweet (including Pimento or pimiento)	2	2	0.35	
	FP 0009	Pome fruits	1		0.23	
	VC 0431	Squash, Summer	W	0.06		
	VO 0488	Tomato	0.6	0.4	0.11	
	JF 0226	Apple juice			0.048	
	DF 0226	Apples, dried			0.13	
		Apple sauce			1.0	
	JF 00488	Tomato juice			0.037	
	VW 0488	Tomato paste			0.042	
	MW 0448	Tomato purée			0.089	
		Tomato (canned)			0.002	
		Beer			<0.01	
Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant and animal commodities: <i>metrafenone</i> . <i>The residue is fat soluble.</i>						
Oxathiapiprolin (291)*	VB 0400	Broccoli	1.5		0.22	
ADI: 0–4 mg/kg bw	VB 0041	Cabbages, Head	0.7		0.14	
ARfD: Unnecessary	VB 404	Cauliflower	0.3		0.08	
	DF 0269	Dried grapes	1.3		0.29	
	MO 0105	Edible offal (Mammalian)	0.01*		0.015	
	PE 0112	Eggs	0.01*		0	
	VC 0045	Fruiting vegetables, Cucurbits	0.2		0.03	
	VO 0050	Fruiting vegetables, other than Cucurbits (except sweetcorn and mushrooms)	0.4		0.04	
	VA 381	Garlic	0.04		0.01	
	VA 382	Garlic, Great-headed	0.04		0.01	
	DR 0604	Ginseng, dried including red ginseng	0.15		0.04	
	FB 0629	Grapes	0.9		0.21	
	VA 384	Leek	2		0.6	
	VL 482	Lettuce, Head	3		0.97	
	VL 483	Lettuce, Leaf	5		2.2	
	MM 0100	Mammalian fats (except milk fats)	0.01*		0	
	MM 0095	Meat (from mammals other than marine mammals)	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		
	ML 0106	Milks	0.01*		0	
	VA 0385	Onion, Bulb	0.04		0.01	
	VA 0387	Onion, Welsh	2		0.6	
	VP 0063	Peas (pods and succulent = immature seeds)	1		0.38	
	VP 0064	Peas, shelled	0.05		0.09	
	HS 0444	Peppers Chili, dried	4		0.4	
	VR 0589	Potato	0.01*		0	
	PF 0111	Poultry fats	0.01*		0	
	PM 0110	Poultry meat	0.01*		0	
	PO 0111	Poultry, Edible offal of	0.01*		0	
	VD 0070	Pulses			0.12	
	VA 388	Shallots	0.04		0.01	
	VA 389	Spring onion	2		0.6	
	VL 502	Spinach	15		3.7	
	VR 0508	Sweet potato	0.01*		0	
	DV 0448	Tomato, dried	3.0		0.28	
		Tomato, canned (and peeled)			0.0016	
	VW 0448	Tomato paste			0.044	
	MW 0448	Tomato purée			0.024	
	JF 0448	Tomato juice			0.006	
	JF 0269	Grape juice			0.034	
		Wine			0.029	

Definition of the residue (for compliance with the MRL) for plant and animal commodities: *oxathiapiprolin*.

Definition of the residue (for dietary risk assessment) for plant and animal commodities: *Sum of: oxathiapiprolin, 5-(Trifluoromethyl)-1H-pyrazole-3-carboxylic acid and 1-β-D-Glucopyranosyl-3-(-(trifluoromethyl)-1H-pyrazole-5-carboxylic acid, expressed as parent.*

The residue is not fat soluble.

Penconazole (182)**	FP 0226	Apple	0.1		0.1	0.4
ADI: 0–0.03 mg/kg bw	VS 0620	Artichoke, globe	0.06		0.1	0.2
ARfD: 0.8 mg/kg bw	FB 0278	Blackcurrant	2		1.5	4.4
	MM 0812	Cattle meat	W	0.05*		
	ML 0812	Cattle milk	W	0.01*		
	MO 0812	Cattle, Edible offal of	W	0.05*		
	PE 0840	Chicken eggs	W	0.05*		
	PM 0840	Chicken meat	W	0.05*		
	VC 0424	Cucumber	0.06	0.1	0.05	0.15
	DF 0269	Dried grape (= currants, raisins and sultanas)	1.5	0.5	0.57	6.1
	MO 0105	Edible offal (Mammalian)	0.05*		0.004	0.004
	VO 0440	Egg plant	0.09		0.1	0.35
	PE 0112	Eggs	0.05*		0	0
	VC 0425	Gherkin	0.06		0.05	0.15
	FB 0269	Grapes	0.4	0.2	0.15	1.6
	DH 1100	Hops, dry	W	0.5		
	MF 0100	Mammalian fats (except milk fats)	0.05*		0	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		
	MM 0095	Meat (from mammals other than marine mammals)	0.05*		0	0
	VC 0046	Melons, except watermelon	0.15	0.1	0.2	0.3
	ML 0106	Milks	0.01*		0	0
	FS 0245	Nectarine	W	0.1		
	FS 0247	Peach	W	0.1		
	FS 2001	Peaches	0.08	0.1	0.14	0.34
	FP 0230	Pear	0.1		0.1	0.4
	VO 0445	Pepper, Sweet	0.2		0.14	0.6
	FP 0009	Pome fruits	W	0.2		
	PM 0110	Poultry meat	0.05*		0	0
	PO 0111	Poultry, Edible offal of	0.05*		0	0
	VC 0431	Squash, summer	0.06		0.05	0.15
	FB 0275	Strawberry	0.5	0.1	0.44	2.2
	VO 0448	Tomato	0.09	0.2	0.1	0.35
	JF 0226	Apple juice			0.025	0.1
		Apple sauce			0.017	0.068
		Blackcurrant juice			0.38	1.1
	JF 0269	Grape juice			0.038	0.4
		Strawberry Jam, sterilized			0.37	1.8
		Strawberry, canned pasteurized			0.24	1.2
		Wine			0.038	0.4
<p>Definition of the residue (for compliance with the MRL) for plant and animal commodities: <i>penconazole</i></p> <p>Definition of the residue (for dietary risk assessment) for plant commodities: sum of penconazole and 4-(2,4-dichlorophenyl)-5-[1,2,4]triazol-1-yl-pentan-2-ol (free and conjugated), expressed as penconazole.</p> <p>Definition of the residue (for dietary risk assessment) for animal commodities: sum of penconazole, 4-(2,4-dichlorophenyl)-5-[1,2,4]triazol-1-yl-pentan-2-ol (free and conjugated) and 4-(2,4-dichlorophenyl)-5-[1,2,4]triazol-1-yl-pentanoic acid, expressed as penconazole.</p> <p>The residue is fat soluble.</p>						
Pendimethalin (292)*	AL 1020	Alfalfa fodder	4 (dw)		0.97 (ar)	2.1 (ar)
ADI: 0–0.1 mg/kg bw	AB 0660	Almond hulls	7 (dw)		0.42 (ar)	
ARfD: 1 mg/kg bw	VS 0621	Asparagus	0.1		0.05	0.062
	AL 0061	Bean fodder	0.3 (dw)		0.05 (ar)	0.11 (ar)
	VD 0071	Beans, dry	0.05		0.05	
	VP 0061	Beans, except broad bean and soya bean (green pods and immature seeds)	0.05		0.05	0.05
	VL 0054	Brassica leafy vegetables, except kale	0.3		0.05	0.11
	VR 0577	Carrot	0.5		0.0625	0.38
	VX 0624	Celery	0.09		0.02	0.05
	FC 0001	Citrus fruits	0.03		0.005	0.019 (whole fruit)
	MO 0105	Edible offal (Mammalian)	0.05		0.026	0.05
	PE 0112	Eggs	0.01*		0	0
	VA 0380	Fennel Bulb	0.05*		0	0
	VA 0381	Garlic	0.05*		0	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		
	AS 0162	Hay or fodder (dry) of grasses	2500 (dw)		492 (ar)	1030 (ar)
	DH 1100	Hops, dry	0.05		0.05	
	VL 0480	Kale	0.5		0.05	0.25
	VL 0483	Lettuce, Leaf	4		0.062	2.2
	MF 0100	Mammalian fats	0.2		0.009	0.085
	MM 0095	Meat (from mammals other than marine mammals)	0.2 (fat)		Muscle: 0.026 Fat: 0.051	Muscle: 0.05 Fat: 0.19
	FM 0183	Milk fats	0.8		0.3	
	ML 0106	Milks	0.02		0.006	
	VA 0385	Onion, Bulb	0.05*		0	0
	VA 0387	Onion, Welsh	0.4		0.095	0.12
	VD 0072	Peas (dry)	0.05		0.05	
	VP 0063	Peas (pods and succulent = immature seeds)	0.05		0.01	0.014
	VP 0064	Peas, shelled (succulent seeds)	0.05		0.01	0.036
	PF 0111	Poultry fats	0.01*		0	0
	PM 0110	Poultry meat	0.01*		0	0
	PO 0111	Poultry, Edible offal of	0.01*		0	0
	VA 0388	Shallots	0.05*		0	0
	VA 0389	Spring onion	0.4		0.095	0.12
	TN 0085	Tree nuts	0.05		0.05	0.05
		Carrots, cooked			0.0031	0.019
		Carrot, canned			0.0031	
		Carrot juice			0.024	
Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant and animal commodities: <i>Pendimethalin</i> .						
<i>The residue is fat soluble.</i>						
dw Dry weight						
(ar) Expressed on an "as received" basis						
Pinoxaden (293)*	GC 0640	Barley	0.7		0.09	
ADI: 0–0.1 mg/kg bw	AS 0640	Barley straw and fodder, dry	3 (dw)		0.16 (as)	1.44
ARfD: 0.3 mg/kg bw	PE 039	Eggs	0.02*		0.02	
	PF 037	Poultry fats	0.02*		0.02	
	PM 0110	Poultry meat	0.02*		0.02	
	PO 038	Poultry, Edible offal of	0.02*		0.02	
	GC 0654	Wheat	0.7		0.1	
	AS 0654	Wheat straw and fodder, dry	3 (dw)		0.16 (ar)	1.44
		Pearled barley			0.04	
		Barley flour			0.04	
		Barley malt (after drying)			0.11	
		Barley malt sprouts			0.04	
		Barley malt (before brewing)			0.11	
		Beer			0.01	
	CM 0654	Wheat bran (unprocessed)			0.44	

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 1211	Wheat flour			0.02	
	CF 1210	Wheat germ			0.04	
	CF 1212	Wholemeal flour			0.11	
	CP 1212	Wholemeal bread			0.06	
<p>Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant commodities: Sum of free and conjugated M4 (SYN 505164; 8-(2,6-Diethyl-4-hydroxymethyl-phenyl)-9-hydroxy-1,2,4,5-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one), expressed as pinoxaden.</p> <p>Definition of the residue (for compliance with the MRL and for dietary risk assessment) for animal commodities: M4 (SYN 505164; 8-(2,6-Diethyl-4-hydroxymethyl-phenyl)-9-hydroxy-1,2,4,5-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one), expressed as pinoxaden.</p> <p><i>The residue is not fat soluble.</i></p>						
(dw) Dry weight						
(ar) Expressed on an "as received" basis						
Saflufenacil (251)	AL 1020	Alfalfa fodder	0.06		0.025 (ar)	0.025 (ar)
ADI: 0–0.05 mg/kg bw	GC 0640	Barley	1		0.33	
ARfD: Unnecessary	CM 0640	Barley bran (unprocessed)	3		0.96	
	AS 0640	Barley straw and fodder, dry	10		1.85 (ar)	
	MO 0105	Edible offal (Mammalian)	60	0.3	31	
	PE 0112	Eggs	0.01*		0	
	AS 0162	Hay or fodder (dry) of grasses	30		5.3 (ar)	
	MF 0100	Mammalian fats (except milk fats)	0.05	0.01	0.03	
	MM 0095	Meat (from mammals other than marine mammals)	0.01	0.01	0.01	
	ML 0106	Milks	0.01	0.01	0.01	
	SO 0697	Peanut	0.01*		0	
	FI 0355	Pomegranate	0.01*		0	
	PF 0111	Poultry fats	0.01*		0	
	PM 0110	Poultry meat	0.01*		0	
	PO 0111	Poultry, Edible offal of	0.01*		0.01	
	GS 0659	Sugar cane	0.03		0.01	0.02
	DM 0659	Sugar cane molasses	1		0.03	
	SO 0702	Sunflower seed	0.7	0.7	0.12	
	GC 0653	Triticale	0.7		0.03	
	AS 0653	Triticale straw and fodder, dry	10		1.85 (ar)	
	GC 0654	Wheat	0.7		0.03	
	AS 0654	Wheat straw and fodder, dry	10		1.85 (ar)	
		Barley, pearled			0.03	
		Barley bran			0.96	
		Barley flour			0.032	
		Barely beer			0.032	
		Barley malt			0.019	
	CF 0654	Wheat bran, processed			0.038	
	CF 1211	Wheat flour			0.0048	
	CF 1210	Wheat germ			0.033	
	CP 1212	Wholemeal bread			0.012	
		Sugar cane, white sugar			0.005	

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 dietary risk assessment) for plant and animal commodities: <i>safinopyr</i> .						
<i>The residue is not fat soluble.</i>						
(ar) Expressed on an "as received" basis						
Spiromesifen (294)*	VB 0040	Brassica (cole or cabbage) vegetables, Head cabbages, flowerhead Brassicas	3		0.21	1.8
ADI: 0–0.03 mg/kg bw	VL 0054	Brassica leafy vegetables	15		2.06	12.5
ARfD: Unnecessary	VR 0463	Cassava	0.02*		0.01	0.01
	SB 0716	Coffee beans	0.2		0.02	
	VP 0526	Common bean (pods and/or immature seeds)	1		0.085	
	SO 0691	Cotton seed	0.7		0.11	
	VC 0424	Cucumbers	0.15		0.05	
	MO 0105	Edible offal (Mammalian)	0.3		0.055	
	VO 0440	Eggplants	0.7		0.165	
	PE 0112	Eggs	0.02		0.01	
	VC 0045	Fruiting vegetables, Cucurbits, except melon and cucumber	0.09		0.021	
	VL 0053	Leafy vegetables	15		2.06	
	FB 2009	Low-growing berries	3		0.52	
	GC 0645	Maize	0.02*		0	
	AS 0645	Maize fodder	6		0.915 (ar)	4.1 (ar)
	MF 0100	Mammalian fats (except milk fats)	0.15		0.017	
	MM 0095	Meat (from mammals other than marine mammals)	0.15 (F)		0.01 (muscle) 0.017 (fat)	
	VC 0046	Melon, except watermelon	0.3		0.075	
	ML 0106	Milks	0.015		0.0021	
	VO 0442	Okra	0.5		0.097	
	VO 0443	Pepino	0.5		0.097	
	VO 0051	Peppers	0.5		0.097	
	HS 0444	Peppers chili, dried	5		0.55	
	GC 0656	Popcorn	0.02*		0	
	VR 0589	Potato	0.02*		0.01	0.01
	PF 0111	Poultry fats	0.02		0.01	
	PM 0110	Poultry meat	0.02		0.01	
	PO 0111	Poultry, Edible offal of	0.05		0.05	0.05
	VO 0447	Sweet corn (corn-on-the-cob)	0.02*		0	
	VR 0508	Sweet potato	0.02*		0.01	
	DT 1114	Tea, Green, Black (black, fermented and dried)	70		18.5	
	VO 0448	Tomato	0.7		0.165	
	VW 0448	Tomato paste	2		0.43	
	DV 0448	Tomato, dried	4		0.82	
		Tomato purée			0.2	
		Tea (green and black infusion)			0.63	

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>sum of spiromesifen and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, expressed as spiromesifen.</i>						
Definition of the residue (for dietary risk assessment) for plant commodities: <i>sum of spiromesifen, 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, and 4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one (free and conjugated), all expressed as spiromesifen.</i>						
Definition of the residue (for dietary risk assessment) for animal commodities: <i>sum of spiromesifen and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, expressed as spiromesifen.</i>						
<i>Residue is fat soluble.</i>						
(ar) Expressed on an "as received" basis						
Sulfoxaflor (252)						
ADI: 0–0.05 mg/kg bw						
ARfD: 0.3 mg/kg bw						
Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant and animal commodities: <i>Sulfoxaflor.</i>						
<i>The residue is not fat soluble.</i>						
Teflubenzuron (190)**	FP 0226	Apple	0.5		0.16	
ADI: 0–0.005 mg/kg bw	VB 0402	Brussels sprouts	W	0.5		
ARfD: Unnecessary	VB 0041	Cabbages, Head	W	0.1		
	VB 0404	Cauliflower	0.01*		0.01	
	SB 0716	Coffee beans	0.3		0.01	
	VC 0424	Cucumber	0.5		0.1	
	MO 0105	Edible offal (Mammalian)	0.01*		0.01	
	PE 0112	Eggs	0.01*		0.01	
	VC 0425	Gherkin	1.5		0.33	
	FB 0269	Grapes	0.7		0.096	
	FC 0002	Lemons and limes (includes all commodities in this subgroup)	0.5		0.01	
	GC 0645	Maize	0.01*		0.01	
	OR 0645	Maize oil, edible	0.015		0.015	
	MF 0100	Mammalian fats (except milk fats)	0.01*		0.01	
	MM 0095	Meat from mammals (other than marine mammals)	0.01*		0.01	
	VC 0046	Melons, except watermelon	0.3		0.01	
	FM 0183	Milk fats	0.01*		0.01	
	ML 0107	Milk of cattle, goats and sheep	0.01*		0.01	
		Orange oil	126		28	
	FC 0004	Oranges, Sweet and Sour (includes all commodities in this subgroup)	0.5		0.01	
	FI 0350	Papaya	0.4		0.16	
	FS 0014	Plums (including fresh prunes)	W			
	FP 0009	Pome fruits	W	0.1		
	VR 0589	Potato	W	1		
	PF 0111	Poultry fats	0.01*	0.05		
	PM 0100	Poultry meat	0.01*		0.01	
	PE 0111	Poultry, Edible offal of	0.01*		0.01	
	VD 0541	Soya bean (dry)	0.05		0.01	
	AB 0541	Soya bean hulls	0.2		0.046	

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		
	GS 0659	Sugar cane	0.01*		0	
	SO 0702	Sunflower seed	0.3		0.01	
	VO 0448	Tomato	1.5		0.3	
	JF 0004	Orange juice			0.0044	
	JF 0226	Apple juice			0.0056	
		Apple purée			0.04	
		Grapes young wine			0.0029	
		Peeled tomatoes			0.024	
	JF 0048	Tomato juice			0.051	
	MW 0448	Tomato purée			0.14	
		Canned tomatoes			0.021	
	OR 0541	Soya bean oil, refined			0.005	
	OR 0702	Sunflower seed oil, edible			0.001	
		Maize flour			0.01	
		Maize grits			0.005	
		Maize meal			0.005	
		Maize starch			0.005	
		Sugar cane, sugar			0	
		Roasted coffee beans			0.001	
		Coffee liquor extract			0.001	
		Instant coffee			0.001	
<p>Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant and animal commodities: <i>Teflubenzuron</i>. <i>The residue is fat soluble.</i></p>						
Tolfenpyrad (269)	TN 0672	Pecan	0.01*		0.01	0.01
ADI: 0–0.006 mg/kg bw	VR 0589	Potato	0.01*		0	0
ARfD: 0.01 mg/kg bw						
<p>Definition of the residue (for compliance with the MRL and for dietary risk assessment) for plant commodities: <i>Tolfenpyrad</i>. Definition of the residue (for compliance with the MRL and dietary risk assessment) for animal commodities: <i>sum of tolfenpyrad and free and conjugated PT-CA (4-[4-[(4-chloro-3-ethyl-1-methylpyrazol-5-yl)carbonylamino]methoxy]benzoic acid and OH-PT-CA (4-[4-[[4-chloro-3-(1-hydroxyethyl)-1-methylpyrazol-5-yl]carbonylamino]methoxy]benzoic acid) (released with alkaline hydrolysis) expressed as tolfenpyrad.</i> <i>The residue is not fat soluble.</i></p>						