

CODEX ALIMENTARIUS COMMISSION



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 AT STEP 3 ON THE RECOMMENDATIONS OF THE 2015 JOINT FAO/WHO MEETING ON PESTICIDE RESIDUES (JMPR) AND REQUEST FOR COMMENTS AT STEP 6 ON DRAFT MAXIMUM RESIDUE LIMITS FOR PESTICIDES ARISING FROM THE 47th SESSION OF THE COMMITTEE ON PESTICIDE RESIDUES**

DEADLINE: **28 February 2016**

COMMENTS: **To:**

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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 15 to 24 September 2015. 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 29 pesticides, of which 8 were new compounds, and 4 were re-evaluated within the CCPR 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 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 residue limits for pesticide residues and other Codex documents. Both compounds and commodities are listed in alphabetical order.

6. 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 documents and working documents of the Codex Alimentarius Commission. Both compounds and commodities are listed in alphabetical order.

7. Apart from the abbreviations indicated above, the following qualifications are used in the Table.

* (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.

8. The Report of the 2015 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/>

9. 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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B. MRLS AT STEP 6 OF THE PROCEDURE

10. The 47th Session of the Committee on Pesticide Residues (April 2015) agreed to advance MRLs for Fenpropathrin (185) on cherries (FS 0013), peaches (FS 2001) and pome fruits (FP 0009) to the 38th Session of the Codex Alimentarius Commission (July 2015) for adoption at Step 5. This decision was made in light of acute intake risks identified by JMPR in 2014 and the need to await advice on the availability of an alternative GAP.¹

¹ REP15/PR, para 70 and Appendix IV.

11. The Commission adopted the MRLs at Step 5 as proposed by CCPR with the exception of MRLs for Fenamidone (264) for mustard greens (VL 0485) and spinach (VL 0502) which were erroneously listed in REP15/PR, Appendix IV as CCPR had agreed to retain these MRLs at Step 4.²

REQUEST FOR COMMENTS

12. Member governments and interested international organizations having granted 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 2015 JMPR and also on other recommendations which are relevant to the work of the 48th 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.

13. Member governments and interested international organization having granted observer status in Codex wishing to submit comments on the draft MRLs at Step 6 for Fenpropathrin (185) on cherries (FS 0013), peaches (FS 2001) and pome fruits (FP 0009) in particular on the availability of alternative GAP and any other relevant data / information that may allow JMPR to refine the dietary risk assessment in order to make recommendations to CCPR on MRLs for these products 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.

14. Codex circular letters are available on the Codex website at: <http://www.codexalimentarius.org/> (Circular Letters, 2015).

² REP15/CAC, para 74

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 2015 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	AN 0660	Almond hulls	0.2	0.1	0.036	
	TN 0660	Almonds	W	0.01 *		
	FP 0226	Apple	W	0.01 *		
	FI 0326	Avocado	0.015		0.004	0.009
	VP0061	Beans, except broad bean and soya bean (immature beans with pods)	0.08		0.007	0.049
	VD 0771	Beans (dry)	0.005		0.002	
	FB 0264	Blackberries	0.005		0.002	0.003
	MF 0812	Cattle fat	W	0.1		
	MO 1280	Cattle kidney	W	0.05		
	MO 1281	Cattle liver	W	0.1		
	MM 0812	Cattle meat	W	0.01 *		
	ML 0812	Cattle milk	W	0.005		
	VX 0578	Celery	0.03		0.005	0.016
	FS 0013	Cherries	0.07		0.009	0.058
	FC 0001	Citrus fruits	0.2	0.01 *	0.005	0.015
	SO 0691	Cotton seed	0.015	0.01 *	0.002	
	VC 0424	Cucumber	0.03	0.01	0.002	0.029
	VO 0440	Egg plant	0.05	0.02	0.004	0.017
	VA 0381	Garlic	0.005		0.002	0.003
	VC 0425	Gherkin	0.05		0.002	0.029
	MM 0814	Goat meat	W	0.01 *		
	ML 0814	Goat milk	W	0.005		
	MO 0814	Goat, edible offal of	W	0.1		
	FB 0269	Grapes	0.01		0.002	0.01
	DF 0269	Dried grapes (= currants, raisins and sultanas)	0.03		0.0056	0.028
	JF 0269	Grape juice	0.015		0.0028	
	DH 1100	Hops, dry	0.15	0.1	0.038	
	VA 0384	Leek	0.005		0.002	0.003
	VL 0483	Lettuce, Leaf	W	0.05		
	VL 0482	Lettuce, head	0.15		0.0275	0.097
	FI 0345	Mango	0.01		0.002	0.004
	VC 0046	Melons, except Watermelon	0.01	0.01 *	0.002	0.002
	VA 0385	Onion, Bulb	0.005		0.002	0.003
	FI 0350	Papaya	0.015		0	0
FS 2001	Peaches	0.03		0.004	0.024	

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		
	SO 0697	Peanut	0.005 *		0	
	FP 0230	Pear	W	0.02		
	VO 0444	Peppers, chili, dried	0.005 *	0.2	0.005	0.005
	VO 0445	Peppers, sweet	0.07	0.02	0.009	0.051
	FS 0014	Plums (including prunes)	0.005		0.002	0.006
	FP 0009	Pome fruits	0.01		0.002	0.01
	VR 0589	Potato	0.005 *	0.01 *	0	0
	DF 5263	Raisins	0.05		0.0084	0.0224
	FB 0272	Raspberry, red, black	0.002		0.002	0.03
	GC 0649	Rice	0.002		0.001	
	AS 0646	Rice straw	0.001		0.001	0.001
	VA 0388	Shallot	0.005		0.002	0.003
	VL 0502	Spinach	0.15 ^a		0.024	0.091
	VC 0431	Squash, summer	W	0.01 *		
	FB 0275	Strawberry	0.15	0.02	0.027	0.073mi
	VR 0508	Sweet potato	0.005 *		0	0
	VO 0448	Tomato	0.05	0.02	0.004	0.017
	TN 0085	Tree nuts	0.005 *		0	0
	TN 0678	Walnuts	W	0.01 *		
	VC 0432	Watermelon	W	0.01 *		
	VR 0600	Yams	0.005 *		0	0
	OR 0691	Cotton seed oil, edible			0	
Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for plant commodities: <i>Avermectin B_{1a}</i>						
Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for animal commodities: <i>Avermectin B_{1a}</i>						
<i>The residue is fat-soluble.</i>						
^a On the basis of information provided to the JMPR it was concluded that the estimated short-term intake of abamectin for the consumption of spinach may present a public health concern						
Acetamiprid (246) ADI: 0–0.07 mg/kg bw ARfD: 0.1 mg/kg bw	VS 0621	Asparagus	0.8		0.26	0.43
	VC 0424	Cucumber	0.3		0.057	0.17
	MO 0105	Edible offal (mammalian)	1	0.05	0.11	0.89
	VC 0045	Fruiting vegetables, Cucurbits	W	0.2		
	VC 0045	Fruiting vegetables, Cucurbits (except Cucumber)	0.2		0.05	0.11
	MF 0100	Mammalian fats (except milk fats)	0.3	0.02	0.017	0.16
	MM 0095	Meat (from mammals other than marine mammals)	0.5	0.02	0.022 (m) 0.017 (f)	0.30 (m) 0.16 (f)
	ML 0106	Milks	0.2	0.02	0.019	
	VL 0485	Mustard greens	15 ^a		2.0	10

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		
	VO 0447	Sweet corn (corn-on-the-cob)	0.01 *		0.01	0.01
		Sweet corn, stover	40		2.8	20
		Sweet corn forage			1.4	9.1
Definition of the residue (for compliance with the MRL for plant commodities and for estimation of dietary intake for plant and animal commodities): <i>acetamiprid</i> .						
Definition of the residue (for compliance with the MRL for animal commodities and for estimation of dietary intake for plant and 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>						
^a On the basis of information provided to the JMPR it was concluded that the estimated short-term intake of acetamiprid for the consumption of mustard greens may present a public health concern.						
Acetochlor (280)* ADI: 0–0.01 mg/kg bw ARfD: 1 mg/kg bw	GC 0640	Barley	0.04 *		0.035	0.036
	AS 0640	Barley straw and fodder, dry	0.3		0.039 dw ^a	0.282 dw
	VP 0061	Beans, except broad bean and soya bean	0.02 *		0.02	0.02
	VD 0523	Broad bean (dry)	0.15		0.02	0.1
	GC 0641	Buckwheat	0.04 *		0.035	0.036
	AS 0641	Buckwheat fodder	0.3		0.039 dw	0.282 dw
	VD 0524	Chick-pea (dry)	0.15		0.02	0.1
	MO 0105	Edible offal (mammalian)	0.02 *		0.0004 liver 0.0006 kidney	0.003 liver 0.0056 kidney
	PE 0112	Eggs	0.02 *		0	0
	VD 0531	Hyacinth bean (dry)	0.15		0.02	0.1
	AL 0157	Legume animal feeds	3		0.225 dw	2.101 dw
	VD 0533	Lentil (dry)	0.15		0.02	0.1
	VP 0545	Lupin (dry)	0.15		0.02	0.1
	GC 0645	Maize	0.02		0.002	
	MF 0100	Mammalian fats (except milk fats)	0.02 *		0.0004	0.003
	MM 0095	Meat (from mammals other than marine mammals)	0.02 *		0.0004	0.003
	ML 0106	Milks	0.02 *		0.0012	0.008
	GC 0646	Millet	0.04 *		0.035	0.036
	AS 0646	Millet fodder, dry	0.3		0.039 dw	0.282 dw
	AS 0647	Oat straw and fodder, dry	0.3		0.039 dw	0.282 dw
	GC 0647	Oats	0.04 *		0.035	0.036
	VD 0072	Peas (dry)	0.02 *		0.02	0.02
	VD 0537	Pigeon pea (dry)	0.15		0.02	0.1
	VR 0589	Potato	0.04 *		0.04	0.04
	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
	GC 0650	Rye	0.04 *		0.035	0.036

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 0650	Rye straw and fodder, dry	0.3		0.039 dw	0.282 dw
	VR 0596	Sugar beet	0.15		0.018	0.086
	AV 0596	Sugar beet leaves or tops	3		0.178 dw	2.409 dw
	DM 0596	Sugar beet molasses	0.3		0.048	0.228
	AB 0596	Sugar beet pulp, dry	0.3		0.058	0.275
	SO 0702	Sunflower seed	0.04 *		0.04	0.04
	VO 0447	Sweet corn (corn-on-the-cob)	0.04 *		0.04	0.04
		Sweet corn fodder	1.5		0.084 dw	1.096 dw
	GC 0657	Teosinte	0.04 *		0.035	
	AS 0657	Teosinte fodder	0.3		0.039 dw	0.282 dw
	GC 0653	Triticale	0.04 *		0.035	
	GC 0654	Wheat	0.02 *		0.02	
	AS 0654	Wheat straw and fodder, dry	0.2		0.034 dw	0.114 dw
	GC 0655	Wild rice	0.04 *		0.035	
		Sugar beet, refined sugar			0.0068	
	OC 0702	Sunflower seed oil, edible			0.0088	
		Legume forage			0.333 dw	1.9 dw
	AF 0647	Oat forage (green)			0.13 dw	0.40 dw
	AF 0650	Rye forage (green)			0.13 dw	0.40 dw
		Sugar beet, refined sugar			0.0068	
		Sweet corn forage			0.25 dw	2.02 dw
		Wheat forage			0.24 dw	1.88 dw
<p>Definition of the residue for compliance with MRL and for estimation of dietary intake (for animal and plant commodities):</p> <p><i>Sum of compounds hydrolysable with base to 2-ethyl-6-methylaniline (EMA) and 2-(1-hydroxyethyl)-6-methylaniline (HEMA), expressed in terms of acetochlor</i></p> <p><i>The residue is not fat soluble.</i></p> <p>^a dw- dry weight basis</p>						
Bifenthrin (178) ADI: 0–0.01 mg/kg bw ARfD: 0.01 mg/kg bw	FB 0020	Blueberries	3		0.67	1.6
	FB 0269	Grapes	0.3		0.06	0.14
	VL 0482	Lettuce, Head	4 ^a		0.51	1.9
	VS 0624	Celery	3 ^a		0.7	1.8
	VP 0063	Peas (pods and succulent=immature seed)	0.9		0.23	0.5
	VP 0064	Peas, shelled	0.05 *		0	
<p>Definition of the residue: For compliance with the MRL for plant and animal commodities and for estimation of dietary intake for plant and animal commodities): <i>bifenthrin (sum of isomers)</i>.</p> <p>^a On the basis of information provided to the JMPR it was concluded that the estimated short-term intake of bifenthrin for the consumption of head lettuce and celery may present a public health concern</p> <p><i>The residue is fat-soluble.</i></p>						

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		
Chlorothalonil (081) ADI: 0–0.02 mg/kg bw ARfD: 0.6 mg/kg bw	VS 0621	Asparagus	0.01 *	-	Chlorothalonil: 0 SDS-3701: 0	Chlorothalonil: 0 SDS-3701: 0
	FS 0013	Cherries	3	-	Chlorothalonil: 0.39 SDS-3701: 0.01	Chlorothalonil: 1.8 SDS-3701: 0.035
	DV 0604	Dried ginseng (including red ginseng)	2	-	Chlorothalonil: 0.35 SDS-3701: 0.3 ^a	Chlorothalonil: 1.0 SDS-3701: 0.61 ^a
Chlorothalonil Metabolite SDS-3701 ADI: 0–0.008 mg/kg bw ARfD: 0.03 mg/kg bw	VR 0583	Horseradish	1	-	Chlorothalonil: 0.25 SDS-3701: 0.16 ^b	Chlorothalonil: 0.48 SDS-3701: 0.31 ^b
	VA 0385	Onion, bulb	1.5	-	Chlorothalonil: 0.4 SDS-3701: 0.02 ^b	Chlorothalonil: 0.69 SDS-3701: 0.068 ^b
	FS 0247	Peaches (including nectarines and apricots)	1.5	-	Chlorothalonil: 0.12 SDS-3701: 0.01	Chlorothalonil: 1.1 SDS-3701: 0.011
	VO 0051	Peppers	7	-	Chlorothalonil: 1.5 SDS-3701: 0.045 ^b	Chlorothalonil: 4.4 SDS-3701: 0.09 ^b
	VO 0440	Peppers, Chili (dry)	70	-	Chlorothalonil: 15 SDS-3701: 0.45 ^b	Chlorothalonil: 44 SDS-3701: 0.9 ^b
	TN 0675	Pistachio nut	0.3	-	Chlorothalonil: 0.082 SDS-3701: 0.01	Chlorothalonil: 0.14 SDS-3701: 0.01
	VS 0627	Rhubarb	7	-	Chlorothalonil: 0.55 SDS-3701: 0.02	Chlorothalonil: 3.9 SDS-3701: 0.02
	VR 0075	Root and tuber vegetables	W	0.3	-	-
	VR 0075	Root and tuber vegetables, except horseradish	0.3	-	Chlorothalonil: 0.3 SDS-3701: 0.02 ^c	Chlorothalonil: 0.3 SDS-3701: 0.03 ^c
VA 0388	Shallot	1.5	-	Chlorothalonil: 0.4 SDS-3701: 0.02 ^b	Chlorothalonil: 0.69 SDS-3701: 0.068 ^b	

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		
	VO 0448	Tomato	5	-	Chlorothalonil: 1.1 SDS-3701: 0.0135	Chlorothalonil: 2.8 SDS-3701: 0.035
	JF 0048	Tomato juice			Chlorothalonil: 1.1 SDS-3701: 0.0135	
	MW 0448	Tomato purée			Chlorothalonil: 1.1 SDS-3701: 0.0185	
		Tomato canned			Chlorothalonil: 1.1 SDS-3701: 0.027	
		Tomato dry pomace			Chlorothalonil: 1.4 SDS-3701: 0.2	
<p>^a The contribution of SDS-3701 by uptake from soil cannot be estimated for dried ginseng.</p> <p>^b STMR and HR values represent the sum of SDS-3701 found after direct application and in crops grown as rotational crop (see Residues in rotational crops)</p> <p>^c Based on 2010 Evaluation</p> <p>Definition of the residue for compliance with MRL for plant commodities: <i>chlorothalonil</i></p> <p>Definition of the residue for estimation of dietary intake for plant commodities: <i>chlorothalonil SDS-3701 (2,5,6-trichloro-4-hydroxyisophthalonitrile)</i>, all considered separately.</p> <p>Definition of the residue for compliance with MRL and for estimation of dietary intake for animal commodities: <i>SDS-3701 (2,5,6-trichloro-4-hydroxyisophthalonitrile)</i>.</p> <p>The residue is not fat-soluble.</p>						
Cyantraniliprole (263) ADI: 0–0.03 mg/kg bw ARfD: Unnecessary	VP 0526	Common bean (pods and/or immature seeds)	1.5		0.29	
	VP 0062	Beans, shelled	0.3		0.07	
	VD 0071	Bean(dry)	0.3		0.01	
	AL 0061	Bean fodder	40 (DM) ^a		8.5(DM)	19.1(DM)
	FC 0001	Citrus	0.7		0.041	
	OR 0001	Citrus oil, edible	4.5			
	SB 0716	Coffee beans	0.05	0.03	0.01	
	SO 0691	Cotton, seed	1.5		0.16	
	MO 0105	Edible offal (mammalian)	1.5	0.05	0.38	
	PE 0112	Eggs	0.15	0.015	0.0426	
	GC 0645	Maize	0.01		0	
	MM 0069	Mammalian fat (except milk fats)	0.5	0.01	0.1	
	MM 0095	Meat (from mammals other than marine mammals)	0.2	0.01	0.041	
ML 0106	Milks	0.6	0.02	0.21		

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 0063	Peas (pods and succulent = immature seeds)	2.0		0.7	
	VP 0063	Peas, shelled (succulent seeds)	0.3		0.07	
	AL 0072	Pea hay or pea fodder (dry)	60(DM)		9.7(DM)	28.5(DM)
	FI 0355	Pomegranate	0.01 ^a		0.01	
	PO 0111	Poultry, edible offal of	0.15	0.01	0.0321	
	PF 0111	Poultry fat	0.04	0.01	0.0083	
	PM 0110	Poultry meat	0.02	0.01	0.0039	
	SO 0495	Rape seed	0.8		0.077	
	VP 0541	Soya bean, immature seed	0.3		0.036	
	VD 4521	Soya bean (dry)	0.4		0.033	
	AL 0541	Soya bean fodder	80(DM)		13.7(DM)	46.4(DM)
	SO 0702	Sunflower seed	0.5		0.067	
	TN 0085	Tree nuts	0.04		0.01	
	AN 0660	Almond hulls			1.9	4.6
	AL 1030	Bean forage (green)			9.6(DM)	16.9(DM)
	AB 0001	Citrus pulp, dry			0.066	
	OR 0691	Cotton seed meal (cold press)			0.014	
	AB 1204	Cotton gin trash			3.1	5.0
	AL 0528	Pea vines (green)			9.0(DM)	47.1(DM)
	AL 1265	Soya bean, forage (green)			15.5(DM)	45.3(DM)
<p>Definition of the residue (for compliance with the MRL, animal and plant commodities): <i>cyantraniliprole</i>.</p> <p>Definition of the residue (for estimation of dietary intake for unprocessed plant commodities): <i>cyantraniliprole</i>.</p> <p>Definition of the residue (for estimation of dietary intake for processed plant commodities): <i>sum of cyantraniliprole and 2-[3-Bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]-3,4-dihydro-3,8-dimethyl-4-oxo-6-quinazolinecarbonitrile</i>.</p> <p>Proposed definition of the residue (for estimation of dietary intake for animal commodities): <i>sum of:- cyantraniliprole 2-[3-Bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]-3,4-dihydro-3,8-dimethyl-4-oxo-6-quinazolinecarbonitrile 2-[3-Bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]-1,4-dihydro-8-methyl-4-oxo-6-quinazolinecarbonitrile 3-Bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-(hydroxymethyl)-6-[(methylamino)carbonyl]phenyl]-1H-pyrazole-5-carboxamide 3-Bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(hydroxymethyl)amino]carbonyl]-6-methylphenyl]-1H-pyrazole-5-carboxamide expressed as cyantraniliprole</i></p> <p><i>The residue is not fat soluble</i></p> <p>^a DM – Dry matter</p>						
Cyazofamid (281)* ADI: 0–0.2 mg/kg bw ARfD: Unnecessary	VP 0061	Beans, except broad bean and soya bean	0.4	--	0.125 ^{Cyaz}	--
					0.01 ^{CC-R}	0.01 ^{CC-R}
					0.017 ^{CC-C}	0.042 ^{CC-C}
	VP 0062	Beans, shelled	0.07	--	0.025 ^{Cyaz}	--
					0.01 ^{CC-R}	0.01 ^{CC-R}
				0.084 ^{CC-C}	0.16 ^{CC-C}	

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		
CCIM (short-term only)	MW 0448	Tomato – Purée			0.027	
		Head lettuce – raw			--	
		Head lettuce – not raw			--	
		Leaf lettuce – raw			--	
		Leaf lettuce – not raw			--	
		Potato – all forms			0.025	
	DH 1100	Hops, Dry			3.6	
		Hops – Beer			0.0072	
	DF 0269	Dried grapes (=currants, raisins and sultanas)			0.0028	0.03
		Grapes – Must			0.013	0.14
		Grapes – Wine			0.013	0.14
		Cabbage - raw			0.01	0.025
		Cabbage – not raw			0.22	0.64
	VW 0448	Tomato – Paste			0.024	0.065
	MW 0448	Tomato – Puree			0.012	0.032
		Head lettuce – raw			0.011	0.029
		Head lettuce – not raw			0.43	1.4
		Leaf lettuce – raw			0.027	0.05
		Leaf lettuce – not raw			1.2	3.1
		Potato – all forms			0.017	0.017
DH 1100	Hops, Dry			3.4	5.4	
	Hops – Beer			0.0048	0.0076	
<p>Cyaz = Residue based on cyazofamid + CCIM, expressed as cyazofamid</p> <p>CC-R = Residues of CCIM from analysis of raw commodities</p> <p>CC-C = Residues of CCIM + cyazofamid, expressed as CCIM to account for conversion of cyazofamid to CCIM during cooking</p> <p>Definition of the residue for compliance with the MRLs for plant commodities: <i>Cyazofamid</i>.</p> <p>Definition of the residue for estimating long-term dietary intake from plant commodities: <i>Cyazofamid plus CCIM, expressed as cyazofamid</i>.</p> <p>Definition of the residue for estimating short-term dietary intake from plant commodities (to be compared to the ARfD for CCIM; an ARfD was determined to be unnecessary for cyazofamid): <i>CCIM</i>.</p> <p>Definition of the residue for compliance with the MRLs and for dietary intake for animal commodities: <i>Not defined</i>.</p>						
Cyprodinil (207)	SO 0495	Rape seed	0.02		0.02	
ADI: 0–0.03 mg/kg bw						
ARfD: Unnecessary						
<p>Definition of the residue for plant and animal commodities for compliance with MRLs and for estimation of dietary intake: <i>cyprodinil</i>.</p> <p><i>The residue is fat soluble</i></p>						
Difenoconazole (224)	FI 0326	Avocado	0.6		0.05	0.26
ADI: 0–0.01 mg/kg bw	SO 0697	Peanut	0.1 *		0	
ARfD: 0.3 mg/kg bw	SO 0495	Rape seed	0.15	0.05	0.03	
	VD 0541	Soya bean (dry)	0.1	0.02 *	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		
	OR 0541	Soya bean oil, refined			0.08	
	OR 0495	Rape seed oil, edible			0.002	
	AB 0541	Soya bean hulls			0.02	
	AB 1265	Soya bean meal			0.004	
		Soya bean asp gr fn ^a			6.22	
Definition of the residue for compliance with the MRL and for estimation of dietary intake for plant commodities: <i>difenoconazole</i> .						
Definition of the residue for compliance with the MRL and for estimation of dietary intake 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 aspirated grain fraction						
Ethephon (106)** ADI: 0–0.05 mg/kg bw ARfD: 0.05 mg/kg bw	FP 0226	Apple	0.8	5	0.15	0.49
	GC 0640	Barley	1.5	1	0.13	
	AS 0640	Barley straw and fodder, Dry	7 (dw) ^b	5	0.64 ^a	3.6 ^a
	FB 0020	Blueberries	W	20		
	FC 4199	Cantaloupe	W	1		
	FS 0013	Cherries	5	10	0.65	2.7
	PE 0840	Chicken eggs	W	0.2 *		
	SO 0691	Cotton seed	6	2	0.55	
	DF 0269	Dried grapes	W	5	0.23	
	MO 0105	Edible offal (mammalian)	0.4		Kidney 0.056 Liver 0.12	Kidney 0.069 Liver 0.29
	MO 0096	Edible offal of cattle, goats, horses, pigs and sheep	W	0.2 *		
	PE 0112	Eggs	0.01 *		0	0.00005
	FT 0297	Fig	3		0.73	0.75
	DF 0297	Figs, Dried or dried and candied	W	10		
	FB 0269	Grapes	0.8	1	0.19	0.52
	TN 0666	Hazelnuts	W	0.2		
	MF 0100	Mammalian fats (except milk fats)	0.01 *		0.002	0.004
	MM 0095	Meat (from mammals other than marine mammals)	0.01 *		0.002	0.007
	MM 0096	Meat of cattle, goats, horses, pigs and sheep	W	0.1 *		
	ML 0106	Milks	0.01 *		0.0004	
	ML 0107	Milk of cattle, goats and sheep	W	0.05 *		
	FT 0305	Olives	7		1.9	4.3
	VO 0051	Peppers	W	5		
HS 0444	Peppers Chili, dried	W	50			

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		
	FI 0353	Pineapple	1.5	2	0.12	0.21
	PM 0110	Poultry meat	0.02	0.1 *	0.01	0.016
	PO 0111	Poultry, Edible offal of	0.08	0.2 *	0.037	0.072
	PF 0111	Poultry fats	0.04		0.015	0.034
	GC 0650	Rye	0.5	1	0.095	
	AS 0650	Rye straw and fodder, Dry	7 (dw)	5	0.64 ^a	1.7 ^a
	VO 0448	Tomato	2	2	0.52	0.79
	GC 0651	Triticale	0.5		0.095	
		Triticale straw and fodder, Dry	7 (dw)		0.64 ^a	1.7 ^a
	TN 0678	Walnut	W	0.5		
	GC 0654	Wheat	0.5	1	0.095	
	CM 0654	Wheat bran	1.5		0.29	
	CF 1201	Wheat germ	1		0.19	
	AS 0654	Wheat straw and fodder, Dry	7 (dw)	5	0.64 ^a	1.7 ^a
	JF 0226	Apple juice			0.075	
		Apple sauce			0.075	
	OC 0691	Cotton seed oil, edible			0.011	
	DF 0269	Dried grapes (=currants, Raisins and Sultanas)			0.23	
	JF 0269	Grape juice			0.14	
		Grape must			0.16	
		Olive oil, virgin and refined			0.038	
	DM 0305	Olives, processed			0.019	
		Pearl barley			0.12	
	JF 0048	Tomato juice			0.18	
	VW 0448	Tomato paste			0.31	
		Tomato preserves			0.1	
	MW 0448	Tomato puree			0.31	
	CF 1211	Wheat four			0.014	
		Wine			0.25	
	AB 1230	Apple pomace, wet			0.075	
		Barley forage			8.9	13
		Barley hulls			0.21	
	OR 0691	Cotton seed meal			0.016	
	AB 1204	Cotton gin trash			27	67
		Grape pomace wet			0.14	
	AF 0650	Rye forage (green)			9.1	13
		Tomato pomace wet			0.27	
		Wheat forage			7.1	18

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 plant commodities except cereal grains and straw (for compliance with the MRL and for estimation of dietary intake): <i>Ethephon</i>						
Definition of the residue for cereal grains and straw (for compliance with the MRL and for estimation of dietary intake): <i>Ethephon and its conjugates, expressed as ethephon</i>						
Definition of the residue for animal commodities (for compliance with the MRL and for estimation of dietary intake): <i>Ethephon</i>						
<i>The residue is not fat-soluble.</i>						
^a as received basis						
^b dw – dry weight						
Flonicamid (282)* ADI: 0–0.07 mg/kg bw ARfD: Unnecessary	TN 0660	Almonds	0.01 *		0.01	
	VB 0040	Brassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicas	2		0.36	
	VL 0054	Brassica leafy vegetables	15		8.31	
	VS 0624	Celery	1.5		0.45	
	FS 0013	Cherries	0.9		0.28	
	SO 0691	Cotton seed	0.6		0.06	
	MM 032	Edible offal (mammalian)	0.06		0.05	
	PE 039	Eggs	0.03		0.02	
	VC 0045	Fruiting vegetables, Cucurbits	0.2		0.04	
	VO 0050	Fruiting vegetables, other than Cucurbits (except mushrooms and sweet corn)	0.4		0.09	
	DH 1100	Hops, dry	20		1.98	
	VL 0482	Lettuce, Head	1.5		0.51	
	VL 0483	Lettuce, Leaf	8		2.67	
	FB 2009	Low growing berries	1.5		0.37	
	MM 031	Mammalian fats	0.02		0.02	
	MM 030	Meat (from mammals other than marine mammals)	0.05		0.04	
	MM 033	Milks	0.04		0.04	
	HH 0738	Mints	6		1.92	
	AM 0660	Miscellaneous fodder and forage crops (fodder)	9		1.81	
	FS 2001	Peaches (including Nectarine and Apricot)	0.7		0.14	
	TN 0672	Pecan	0.01 *		0.01	
	FS 0014	Plums (including Prunes)	0.1		0.03	
	FP 0009	Pome fruits	0.8		0.13	
	VR 0589	Potatoes	0.015		0.01	
	PF 037	Poultry fats	0.02		0.02	
	PM 036	Poultry meat (including Pigeon meat)	0.02		0.02	

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		
	PO 038	Poultry, Edible offal of	0.02		0.02	
	VR 0494	Radish	0.4		0.1	
	VL 0494	Radish leaves	20		8.5	
	SO 0495	Rape seed	0.5		0.04	
	VL 0502	Spinach	20		5.72	
	AF 051	Straw, fodder and forage of cereal grains and grasses (including buckwheat fodder) (forage)	3		0.86	
	AS 051	Straw, fodder and forage of cereal grains and grasses (including buckwheat fodder) (straws and fodders dry)	0.3		0.04	
	VW 0448	Tomato paste	7		1.45	
	GC 0654	Wheat	0.08		0.01	
		Canned peaches			0.1	
	OC 0691	Cotton seed oil, crude			0.02	
	DF 0014	Prunes			0.04	
		Head cabbage without wrapper leaves			0.025	
		Mint oil			0.06	
		Peach Jam			0.16	
		Peach Juice			1.8	
		Peach Puree			0.21	
		Potato chips			0.01	
		Potato flakes			0.03	
	OR 0495	Rape seed oil, edible			0.004	
	AB 0691	Cotton seed hulls			0.13	
	AB 1203	Cotton seed meal			0.14	
		Rape seed meal			0.004	

Definition of the residue for compliance with the MRL and for estimation of dietary intake for plant commodities:
Flonicamid

Definition of the residue for compliance with the MRL and for estimation of dietary intake for animal commodities:
Sum of flonicamid, N-cyanomethyl-4-(trifluoromethyl)nicotinamide and the metabolite TFNA-AM, 4-(trifluoromethyl)nicotinamide

The residue is not fat soluble.

Flumioxazin (284)* ADI: 0–0.02 mg/kg bw ARfD: 0. 03 mg/kg bw (women of child bearing age) Unnecessary (for the general population)	AL 1020	Alfalfa fodder	3.0 (dw) ^a		0.38 (fw)	1.5 (fw)
	VS 0620	Artichoke, Globe	0.02 *		0.02	0.02
	VS 0621	Asparagus	0.02 *		0	0
	VD 0071	Beans, dry	0.07		0.02	
	FB 2006	Bush berries	0.02 *		0	0
	VB 0041	Cabbages, Head	0.02 *		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		
	VP 0524	Chick-pea (dry)	0.07		0.02	
	SO 0691	Cotton seed	0.01		0.01	
	MO 0105	Edible offal (mammalian)	0.02 *		0	0
	PE 0112	Eggs	0.02 *		0.002	0.001
	VC 0045	Fruiting vegetables, Cucurbits	0.02 *		0.02	0.02
	VO 0050	Fruiting vegetables, other than Cucurbits (except sweet corn and mushrooms)	0.02 *		0.02	0.02
	FB 0269	Grapes	0.01 *		0	0
	VD 0533	Lentil (dry)	0.07		0.02	
	VD 0545	Lupin (dry)	0.07		0.02	
	GC 0645	Maize	0.02 *		0	
	AS 0645	Maize fodder	0.02 *		0	0
	MM 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	0.02 *		0	
	HH 0738	Mints	0.02		0.01	0.01
	FT 0305	Olives	0.02(*)		0	0
	VA 0385	Onion, Bulb	0.02 *		0	0
	SO 0697	Peanut	0.02 *		0	
	VD 0072	Peas (dry)	0.07		0.02	
	FP 0009	Pome fruits	0.02 *		0	0
	FI 0355	Pomegranate	0.02 *		0	0
	VR 0589	Potato	0.02 *		0	0
	PF 0111	Poultry fat	0.02 *		0.004	0.007
	PM 0110	Poultry meat	0.02 *		0.001	0.001
	PO 0111	Poultry, Edible offal of	0.02 *		0.003	0.005
	VD 0541	Soya bean (dry)	0.02 *		0	
	FS 0012	Stone fruits	0.02 *		0	0
	SO 0702	Sunflower seed	0.5		0.11	
	VR 0508	Sweet potato	0.02 *		0	0
	TN 0085	Tree nuts	0.02 *		0	
	GC 0654	Wheat	0.4		0.1	
		Wheat hay	0.02 *(dw)		0 (fw)	0 (fw)
	AS 0654	Wheat straw and fodder, dry	7.0 (dw)		1.7 (fw)	3.7 (fw)
	OR 0702	Sunflower seed oil, edible			0.001	
	CF 0654	Wheat bran, Processed			0.094	
	CF 1211	Wheat flour			0.014	
	CF 1210	Wheat germ			0.103	

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		
		Wheat forage			0	
		Wheat middling			0.022	
		Wheat shorts			0.031	
<p>Definition of the residue (for MRL-compliance and estimation of dietary intake, plant and animal commodities): <i>flumioxazin</i></p> <p>The residue is not fat soluble</p> <p>^a fw – fresh weight dw- dry weight</p>						
Fluopyram (243) ADI: 0–0.01 mg/kg bw ARfD: 0.5 mg/kg bw	VP 0061	Beans, except broad bean and soya bean	1		0.2	0.69
	VP 0062	Beans, shelled	0.2		0.03	0.12
	SO 0691	Cotton seed	0.01		0.01	
	PE 0112	Eggs	1	0.3	0.13	
	MO 0098	Kidney of cattle, goats, pigs and sheep	0.8	0.5	0.16	0.74
	MO 0099	Liver of cattle, goats, pigs and sheep	5	3	1	4.8
	MM 0095	Meat (from mammals other than marine mammals)	0.8	0.5	0.16	0.7
	ML 0106	Milks	0.6	0.3	0.12	
	VP 0064	Peas, Shelled	0.2		0.03	0.12
	AL 0072	Pea hay or pea fodder (dry)	40 (dw) ^a		3.5 (fw)	19 (fw)
	PO 0111	Poultry, Edible offal of	2	0.7	0.27	1.9
	PM 0110	Poultry meat	0.5	0.2	0.058	0.46
	VD 0541	Soya bean (dry)	0.05		0.01	
	AL 0528	Pea vines (green)			1.8 (fw)	9.6 (fw)
AL 1030	Bean Forage (green)			0.7 (fw)	4.3 (fw)	
<p>Definition of the residue for compliance with the MRL and for estimation of dietary intake for plant commodities: <i>Fluopyram</i>.</p> <p>Definition of the residue for compliance with the MRL for animal commodities: Sum of fluopyram and 2-(trifluoromethyl) benzamide, expressed as fluopyram.</p> <p>Definition of the residue for estimation of dietary intake for animal commodities: <i>Sum of fluopyram, 2-(trifluoromethyl)benzamide and the combined residues 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></p> <p>The residue is not fat soluble.</p> <p>^a fw – fresh weight dw- dry weight</p>						
Flupyradifurone (285)* ADI: 0–0.08 mg/kg bw ARfD: 0.2 mg/kg bw						

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		
Flutriafol (248) ADI: 0–0.01 mg/kg bw ARfD: 0.05 mg/kg bw	VB 0040	Brassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicas	1.5		0.14	0.80
	VS 0624	Celery	3		0.78	1.41
	FS 0013	Cherries	0.8		0.335	0.66
	SO 0691	Cotton seed	0.5		0.08	
	MO 0105	Edible offal (mammalian)	1		0.277 liver 0.008 kidney	0.505 liver 0.013 kidney
		Eggs	0.01 *		0.0045	0.0081
	VC 0045	Fruiting vegetables, Cucurbits	0.3		0.09	0.13
	VL 0482	Lettuce, Head	1.5		0.22	0.67
	VL 0483	Lettuce, Leaf	5 ^a		0.36	2.95
	GC 0645	Maize	0.01 *		0	
	AS 0645	Maize fodder (dry)	20		4.93 dw	10.45 dw
	MF 0100	Mammalian fats (except milk fats)	0.02		0.008	0.013
	MM 0095	Meat (from mammals other than marine mammals)	0.02 (fat)		0.008 fat 0.008 muscle	0.013 fat 0.007 muscle
	ML 0106	Milks	0.01 *		0.0026	0.0066
	VL 0485	Mustard greens	7 ^a		2.12	3.53
	FS 2001	Peaches (including nectarine and apricots)	0.6		0.17	0.42
	VO 0051	Peppers (Subgroup including Peppers, Chili and Peppers, Sweet)	1		0.28	0.41
	VO 0445	Peppers, Sweet (including pimento or pimiento)	W	1		
	FS 0014	Plums (including prunes)	0.4		0.075	0.25
	FP 0009	Pome fruits	0.4	0.3	0.08	0.26
	PF 0111	Poultry fats	0.02		0.009	0.0189
	PM 0110	Poultry meat	0.01 *		0.0015	0.0027
	PO 0111	Poultry, Edible offal of	0.03		0.0105	0.027
	DF 0014	Prunes	0.9		0.165	0.484
	SO 0495	Rape seed	0.5		0.1	
	GC 0651	Sorghum	1.5		0.27	
	AS 0651	Sorghum straw and fodder, dry	7		0.95 dw ^b	5 dw
	VL 0502	Spinach	10 ^a		1.665	5.5
	FB 0275	Strawberry	1.5		0.43	0.78
	VR 0596	Sugar beet	0.02		0.01	
AV 0596	Sugar beet leaves or tops	3 dw		0.424 dw	1.477 dw	
VO 0448	Tomatoes	0.8		0.11	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		
		Peach juice			0.2125	
		Peach jam			0.1445	
		Red wine			0.22155	
		Strawberry jam			0.3685	
	MW 0448	Tomato purée			0.132	
	VW 0448	Tomato paste			0.286	
		White wine			0.3528	
	AB 0691	Cotton seed hulls			0.0264	
	AB 1203	Cotton seed meal			0.0064	
	AB 0269	Grape pomace, dry			1.806	
	AF 0645	Maize forage			5.31 dw	8.47 dw
	AB 0226	Apple pomace, dry			0.744	
	AF 0651	Sorghum forage (green)			1.1 dw	2.85 dw
		Sorghum asp gr fn ^c			2.16	
Definition of the residue (for compliance with the MRL for plant and animal commodities and for estimation of dietary intake for plant and animal commodities): <i>Flutriafol</i> .						
<i>The residue is fat-soluble.</i>						
^a On the basis of information provided to the JMPR, the Meeting concluded that the short-term intake of residues of flutriafol from consumption of leaf lettuce, mustard greens and spinach may present a public health concern.						
^b fw – fresh weight dw- dry weight						
^c aspirated grain fractions						
Fluxapyroxad (256) ADI: 0–0.02 mg/kg bw ARfD: 0.3 mg/kg bw	FI 0327	Banana	3		0.055 ^a	0.10 ^a
	FB 0018	Berries and other small fruits (except grapes)	7		1.3	3.9
	VB 0040	Brassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicas	2		0.04 (cabbage) 0.22 (others)	0.07 (cabbage) 1.7 (others)
	VL 0054	Brassica leafy vegetables	4		1.7	3.1
	VR 0577	Carrot	1		0.06	0.5
	VS 0624	Celery	10		1.6	5.5
	FS 0013	Cherries	3		0.755	2.3
	SO 0691	Cotton seed	0.3	0.01 [*]	0.07	
	DF 0269	Dried grapes (=Currants, Raisins and Sultanas)	15		2.0	6.0
	VC 0045	Fruiting vegetables, Cucurbits	0.2		0.0525	0.13
	VA 0381	Garlic	0.6		0.23	0.27
	FB 0269	Grapes	3		0.47	1.4
	AB 0269	Grape pomace, dry	150		16.5	
	VL 0482	Lettuce, head	4		0.51	2.0
	VA 0385	Onion (bulb)	0.6		0.23	0.28
	FC 0004	Oranges, Sweet, Sour	0.3		0.01 ^a	0.01 ^a
	VR 0588	Parsnip	1		0.06	0.5
	FS 2001	Peaches (including nectarine and apricots)	1.5		0.465	0.66
	FS 0014	Plums (including prunes)	1.5		0.44	0.95

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 0494	Radish leaves (including radish tops)	8		1.2	6
	VR 0494	Radish	0.2		0.05	0.1
	GC 0649	Rice	5		0.94	
	CM 0649	Rice, husked	3		0.55	
	CM 1205	Rice, polished	0.4		0.066	
	AS 0649	Rice straw and fodder, dry (dry weight)	50		4.2	48
	VA 0388	Shallot	0.6		0.23	0.27
	GC 0651	Sorghum	0.7		0.2	
	AS 0651	Sorghum straw and fodder, dry (dry weight)	7		2.3	3.3
	VL 0502	Spinach ^b	30		6.8	13
	FS 0012	Stone fruits	W	2		
	TN 0085	Tree nuts	0.04		0.01	0.03
	OR 0691	Cotton seed oil, edible			0.003	
	JF 0269	Grape juice			0.16	0.48
	JF 0004	Orange juice			0.00045	0.00045
	CM 1206	Rice bran, Unprocessed			3.55	
		Rice flour			0.08	
		Wine			0.11	0.23
	AB 0001	Citrus pulp, dry			0.006	0.016
	AB 0691	Cotton seed hulls			0.013	
	AB 1203	Cotton seed meal			0.004	
		Grape must			0.11	0.32
	CM 1207	Rice hulls			4.04	
	AF 1053	Sorghum forage (dry)			3.0	6.9

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

Definition of the residue (for estimation of dietary intake for plant commodities): *Sum of fluxapyroxad and 3-(difluoromethyl)-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-1H-pyrazole-4-carboxamide (M700F008) and 3-(difluoromethyl)-1-(β-D-glucopyranosyl)-N-(3',4',5'-trifluorobipheny-2-yl)-1H-pyrazole-4-carboxamide (M700F048) and expressed as parent equivalents.*

Definition of the residue (for estimation of dietary intake for animal commodities): *Sum of fluxapyroxad and 3-(difluoromethyl)-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-1H-pyrazole-4-carboxamide (M700F008) expressed as parent equivalents.*

The residue is fat soluble.

^a edible portion

^b On the basis of information provided to the JMPR, the Meeting concluded that the short-term intake of residues of fluxapyroxad from consumption of spinach for children may present a public health concern.

Imazapic (266)* ARfD: Unnecessary	VD 0541	Soya bean (dry)	0.5		0.07	
	OR 0541	Soya bean oil, refined			0.01	
	AB 1265	Soya bean meal			0.09	
	AB 0641	Soya bean hulls			0.07	

Definition of the residue for plant and animal commodities (for compliance with the MRL and for estimation of dietary intake): *Imazapic*

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		
Imazapyr (267) ADI: 0–3 mg/kg bw ARfD: Unnecessary	MO 0105	Edible offal (mammalian)	0.2	0.05 *	0.041	
	AS 0162	Hay or fodder (dry) of grasses	6		1.3	2.5
	VD 0541	Soya bean (dry)	5		0.69	
	OC 0541	Soya bean oil, crude		0		
		Forage of grasses			5.2	9.7
		Soya bean asp gr fn ^a			0.028	
	AB 0541	Soya bean hulls			0.46	
	AB 1265	Soya bean meal			0.9	
Definition of the residue for plant commodities (for compliance with the MRL and for estimation of dietary intake): <i>Imazapyr</i> <i>The residue is not fat soluble.</i> ^a aspirated grain fractions						
Imidacloprid (206) ADI: 0–0.06 mg/kg bw ARfD: 0.4 mg/kg bw	FS 0240	Apricot	W	0.5		
	HH 0722	Basil	20		5.0	7.3
	FS 0013	Cherries	4		0.55	2.5
	FS 0244	Cherry, Sweet	W	0.5		
	DF 0014	Prunes	5		0.87	2.2
	VL 0480	Kale	5		1.3	2.0
	FS 0247	Nectarine	W	0.5		
	SO 0305	Olives for oil production	2		0.355	1.1
	FS 0247	Peach	W	0.5		
	FS 2001	Peaches (including nectarines and apricots)	1.5		0.355	0.77
	FS 0014	Plums (including Prunes)	1.5	0.2	0.28	0.7
	VD 0541	Soya bean (dry)	3		0.38	
	AL 0541	Soya bean fodder	50		9.9	22
	FT 0305	Table olives	2		0.355	1.1
	DT 1114	Tea, Green, Black (black, fermented and dried)	50		6.4	
		Apricot, canned			0.12	0.092
		Apricot jam			0.12	
		Cherries, canned			0.33	1.5
		Nectarine, canned			0.12	0.092
		Nectarine, jam			0.12	
	OC 0305	Olive oil, virgin oil			0.04	
		Peaches, canned			0.12	0.092
		Peaches, jam			0.12	
	OR 0541	Soya bean oil, refined			0.09	
		Tea, infusion			0.16	
		Tea instant			1.6	
	AL 1265	Soya bean forage (green)			3.2	6.5
		Soya bean asp gr fn ^a			61	

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 0541	Soya bean hulls			0.27	
	AB 1265	Soya bean meal			0.33	
Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for plant and animal commodities: <i>Sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid.</i>						
^a aspirated grain fractions						
Lambda-cyhalothrin (146) ADI: 0–0.02 mg/kg bw ARfD: 0.02 mg/kg bw	HH 0722	Basil	0.7		0.19	0.40
	SB 0716	Coffee beans	0.01 *		0.01	
Definition of the residue for compliance with the MRL and for dietary risk assessment for plant and animal commodities: <i>Cyhalothrin (sum of all isomers).</i> <i>The residue fat soluble.</i>						

	CCN	Commodity	Estimated residue levels mg/kg			Recommendation	
			EMRL ^b	Median	Highest	New	Previous
Lindane^a (048)** ADI: 0–0.005 mg/kg bw ARfD: 0.06 mg/kg bw	GC 0640	Barley				W	0.01 *
	AS 0051	Cereal grains, except rice	0.01	0.005	0.005		
	WD 0120	Diadromous fish	0.01	0.0036	0.0095		
	MO 0105	Edible offal (mammalian)	0.001	0.00002	0.0002	W	0.01 *
	PE 0112	Eggs	0.001	0.0007	0.002	W	0.01 *
	GC 0645	Maize				W	0.01 *
	WS 0125	Marine fish	0.01	0.0036	0.0095		
	MM 0095	Meat (from mammals other than marine mammals)	0.01	0.00007 (0.0005)	0.0005 (0.006)	W	0.1
	ML 0106	Milks	0.001	0.00003		W	0.01 *
	GC 0647	Oats				W	0.01 *
	PM 0110	Poultry meat	0.005	0.0006 (0.0008)	0.001 (0.016)	W	0.05
	PO 0111	Poultry, edible offal of	0.005	0.00008	0.0002	W	0.01 *
	GC 0650	Rye				W	0.01 *
	GC 0651	Sorghum				W	0.01 *
	AS 0161	Straw and fodder of cereal grains	0.01			W	0.01 *
	VO 1275	Sweet corn (kernels)	0.01	0.005	0.005	W	0.01 *
GC 0655	Wheat				W	0.01 *	

Definition of the residue (for compliance with the MRL and for estimation of dietary intake for plant and animal commodities: *lindane*.

The residue is fat soluble

^a Lindane was recently classified as 2A (Probably carcinogen) by IARC. Since lindane is listed in annex A of the Stockholm convention and should be eliminated from production and use no toxicological re-evaluation is requested.

^b Extraneous Maximum Residue Limit (EMRL) is the maximum concentration of a pesticide residue arising from environmental sources due to former agricultural uses, not from the use of the pesticide directly or indirectly on the food or feed.

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		
Lufenuron (286)* ADI: 0–0.02 mg/kg bw ARfD: Unnecessary	VC 0424	Cucumbers	0.09		0.02	
	MO 0105	Edible offal (Mammalian)	0.04		0.025	
	PE 0112	Eggs	0.02		0.01	
	MF 0100	Mammalian fats	0.7		0.3	
	MM 0095	Meat (from mammals other than marine mammals)	0.7 (F)		Muscle: 0.012 Fat: 0.3	
	VC 0046	Melon, except watermelons	0.4		0.02 (pulp)	
	ML 0106	Milks	0.1		0.066	
	FM 0183	Milk fats	2		1.2	
	VO 0445	Pepper, sweet	0.8		0.15	
	VR 0589	Potato	0.01 *		0.01	
	PF 0111	Poultry fats	0.04		0.027	
	PM 0110	Poultry meat	0.02		0.0006	
	PO 0111	Poultry, edible offal of	0.02		0.004	
	VD 0541	Soya beans (dry)	0.01 *		0	
	VO 0448	Tomato	0.4		0.08	
	JF 0048	Tomato juice			0.014	
	MW 0448	Tomato puree			0.068	
	VW 0448	Tomato paste			0.078	
		Tomato preserve			0.014	
		Tomato wet pomace			0.66	
Definition of the residue (for compliance with the MRL and for estimation of dietary intake for plant and animal commodities): <i>lufenuron</i> . <i>The residue fat soluble.</i>						
Penconazole (182)** ADI: 0–0.03 mg/kg bw ARfD: 0.8 mg/kg bw 1,2,4-Triazole ADI: 0–0.2 mg/kg bw ARfD: 0.3 mg/kg bw Triazole alanine and triazole acetic acid ADI: 0–1 mg/kg bw ARfD: 3 mg/kg bw						

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		
Propiconazole (160) ADI: 0-0.07 mg/kg bw ARfD: 0.3 mg/kg bw	GC 0470	Barley	2	0.2	0.255	
	GC 0647	Oats	0.7		0.26	
	GC 0650	Rye	0.09	0.02	0.06	
	GC 0653	Triticale	0.09	0.02	0.06	
	GC 0654	Wheat	0.09	0.02	0.06	
Definition of the residue for compliance with the MRL and for plant and animal commodities: <i>propiconazole</i> . Definition of the residue for the estimation of dietary intake for plant and animal commodities: <i>propiconazole plus all metabolite convertible to 2,4-dichloro-benzoic acid, expressed as propiconazole</i> . <i>The residue is fat-soluble</i>						
Pyrimethanil (226) ADI: 0-0.2 mg/kg bw ARfD: Unnecessary	FB 0264	Blackberries	15		3.0	
	FB 0020	Blueberries	8		2.1	
	VC 0424	Cucumbers	0.7		0.24	
	FB 0272	Raspberries	15		3.0	
Definition of the residue (for compliance with MRL and dietary intake) for plant commodities: <i>pyrimethanil</i> Definition of the residue for compliance with the MRL and for dietary intake estimation for milk: <i>sum of pyrimethanil and 2-anilino-4,6-dimethylpyrimidin-5-ol, expressed as pyrimethanil</i> . Definition of the residue for compliance with the MRL and for dietary intake estimation for livestock tissues (excluding poultry): <i>sum of pyrimethanil and 2-(4-hydroxyanilino)-4,6-dimethylpyrimidine, expressed as pyrimethanil</i> . <i>The residue is not fat-soluble</i>						
Quinclorac (287)* ADI: 0-0.4 mg/kg bw	FB 0265	Cranberry	1.5		0.35	1.36
	VS 0627	Rhubarb	0.5		0.36	0.46
Definition of the residue for compliance with MRL for plant commodities: <i>quinclorac plus quinclorac conjugates</i> Definition of the residue for estimating dietary intake: <i>quinclorac plus quinclorac conjugate plus 10% quinclorac methyl ester expressed as quinclorac</i> Definition of the residue for compliance with MRL and estimating the dietary intake for animal commodities: <i>quinclorac plus quinclorac conjugates</i> <i>The residue is fat-soluble</i>						
Spirotetramat (234) ADI: 0-0.5 mg/kg bw ARfD: 1 mg/kg bw	FI 0326	Avocado	0.4		0.126	0.23
	FI 0336	Guava	2		0.55	0.85
	GC 0447	Sweet corn	1.5		0.31	0.75
Definition of the residue (for compliance with MRL for plant commodities: <i>Spirotetramat and its enol metabolite, 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat</i> . Definition of the residue (for estimation of dietary intake) for plant commodities: <i>Spirotetramat, enol metabolite 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, ketohydroxy metabolite 3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro[4.5]decane-2,4-dione, monohydroxy metabolite cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]decan-2-one, and enol glucoside metabolite glucoside of 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat</i> . Definition of the residue (for compliance with MRL and estimation of dietary intake) for animal commodities: <i>Spirotetramat enol metabolite, 3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, expressed as spirotetramat</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		
Tebuconazole (189)* ADI: 0–0.03 mg/kg bw ARfD: 0.3 mg/kg bw	VS 0621	Asparagus	0.02 *		0.02	0.02
	FI 0327	Banana	1.5	0.05	0.07	0.16
	VC 0424	Cucumber	0.2	0.15	0.05	0.11
	VR 0604	Ginseng	0.15		0.05	0.08
	DM 0604	Ginseng, extracts	0.5		0.17	
	DV 0604	Ginseng, dried including red ginseng	0.4		0.125	
	VA 0385	Onion, Bulb	0.15	0.1	0.055	0.09
	VA 0388	Shallot	0.15		0.055	0.09
	VA 389	Spring onion	2		0.1	0.8
	SO 0702	Sunflower seed	0.1		0.04	
Residue: Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for plant and animal commodities: <i>tebuconazole</i> . <i>The residue is fat soluble.</i>						
Trifloxystrobin (213) ADI: 0–0.04 mg/kg bw ARfD: Unnecessary	VD 0071	Beans, dry	0.01 *		0.021	
	VD 0533	Lentils	0.01 *		0.021	
	VD 4511	Pea, dry	0.01 *		0.021	
	VD0541	Soya bean	0.05		0.01	
Definition of the residue for compliance with MRLs for plant commodities: <i>trifloxystrobin</i> ; Definition of the residue for estimation of dietary intake of plant commodities: <i>sum of trifloxystrobin and [(E,E)-methoxyimino-2-[1-(3-trifluoromethylphenyl)ethylideneaminoxyethyl]phenyl]acetic acid</i> (CGA 321113), expressed as <i>trifloxystrobin</i> . Definition of the residue for compliance with MRLs and estimation of dietary intake in animal commodities: <i>sum of trifloxystrobin and [(E,E)-methoxyimino-2-[1-(3-trifluoromethylphenyl)ethylideneamino-oxymethyl]phenyl]acetic acid</i> (CGA 321113), expressed as <i>trifloxystrobin</i> . <i>The residue is fat-soluble.</i>						

Maximum residue level recommendations for Spices

Pesticide	CCN	Commodity	MRL mg/kg		Median mg/kg
			New	Previous	
Acetamiprid (246)	HS 0790	Pepper, Black; White	0.1		0.1
	HS 0775	Cardamom	0.1		0.1
Cypermethrin (118)	HS 0775	Cardamom	3		0.43
Lambda-cyhalothrin (146)	HS 0775	Cardamom	2	0.03	0.28
	HS 0191	Spices, Fruits and Berries (except Cardamom)	0.03		
Phorate (112)	HS 0779	Coriander, seed	0.1	0.5	0.1
	HS 0731	Fennel, seed	0.1	0.5	0.1
	HS 0190	Spices, Seeds (except Coriander seed and Fennel seed)	0.5		
Profenofos (171)	HS 0775	Cardamom	3	0.07	0.3
	HS 0779	Coriander, seed	0.1		0.1
	HS 0780	Cumin seed	5		0.635
	HS 0731	Fennel, seed	0.1		0.1
	HS 0191	Spices, Fruits and Berries (except Cardamom)	0.07		
Triazophos (143)	HS 0775	Cardamom	4	0.07	0.45
	HS 0779	Coriander, seed	0.1		0.1
	HS 0731	Fennel, seed	0.1		0.1
	HS 0191	Spices, Fruits and Berries (except Cardamom)	0.07		