

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
United Nations



World Health
Organization

E

Viale delle Terme di Caracalla, 00153 Rome, Italy - Tel: (+39) 06 57051 - E-mail: codex@fao.org - www.codexalimentarius.org

CL 2023/22-PR

March 2022

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

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

SUBJECT: **Request for comments at Step 3 on the recommendations of the Joint FAO/WHO Meeting on Pesticide Residues (JMPR) (2022)¹**

DEADLINE: **25 May 2023**

Background

1. The Joint FAO/WHO Meeting on Pesticide Residues (JMPR) was held from 13 to 22 September 2022.
2. During the meeting, the FAO Panel of Experts was responsible for reviewing residue and analytical aspects of the pesticides under consideration, including data on their metabolism, fate in the environment and use patterns, and for estimating the maximum levels of residues that might occur as a result of use of the pesticides according to good agricultural practice (GAP). Maximum residue levels and supervised trials median residue (STMR) values were estimated for commodities of animal origin. The WHO Core Assessment Group was responsible for reviewing toxicological and related data in order to establish acceptable daily intakes (ADIs) and acute reference doses (ARfDs), where necessary
3. The Meeting evaluated 34 pesticides, including seven new compounds and four compounds that were re-evaluated within the periodic review programme of the Codex Committee on Pesticide Residues (CCPR), for toxicity or residues, or both.
4. The Meeting established ADIs and ARfDs, estimated maximum residue levels and recommended them for use by CCPR, and estimated STMR and highest residue (HR) levels as a basis for estimating dietary intake.
5. The Meeting also estimated the dietary exposures (both short-term and long-term) of the pesticides reviewed and, on this basis, performed a dietary risk assessment in relation to the relevant ADI and where necessary ARfD. Cases in which ADIs or ARfDs may be exceeded were clearly indicated in order to facilitate the decision-making process by CCPR.
6. Pesticides for which the estimated dietary exposure 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. The allocations and estimates are shown in the tables in the Annex.
7. The tables include the Codex reference numbers of the compounds, and the Codex classification numbers (CCNs) of the commodities, to facilitate reference to the Codex MRLs and other Codex documents. Compounds are listed in alphabetical order.

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

8. Apart from the abbreviations indicated above, the following qualifications are used in the tables.

* (following name of pesticide)	New compound
** (following name of pesticide)	Compound reviewed within CCPR periodic review program
(*) (following recommended maximum residue level)	At or about the limit of quantification
Ar	The median or highest residue is reported at the moisture content of the feed commodity “as received”
Dw	The value is reported in the dry weight of the feed commodity
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.

9. The report of the 2022 meeting (including the Annex) is available at:
[Report 2022 - Pesticide residues in food \(fao.org\)](#) (available in English only)
10. Should there are 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:

FAO JMPR Secretariat

E-mail: Pesticide-Management@fao.org

WHO JMPR Secretariat

E-mail: JMPR@WHO.INT

REQUEST FOR COMMENTS

11. Codex members and observer international organizations having granted observer status in Codex wishing to submit comments on the proposed MRLs that correspond to Step 3 of the Codex Procedure as proposed by the 2022 JMPR Meeting and also on other recommendations which are relevant to the work of CCPR54 (see tables in the Annex), as well as concern forms, should do so in writing, in conformity with the Procedures for the Elaboration of Codex Standards and Related Texts (*Codex Alimentarius Procedural Manual*) by the deadline indicated on cover page.
12. Concern forms should be sent separately to the Codex Secretariat (codex@fao.org) with a copy to the CCPR Secretariat (ccpr@agri.gov.cn) in word file to facilitate their compilation.
13. Circular letters are available on the Codex website² (Circular Letters, 2023) and also on the CCPR54 website³.
14. Codex members and observers are invited to provide comments on the MRLs as shown in the Annex to this CL, which is uploaded to the Codex Online Commenting System (OCS): <https://ocs.codexalimentarius.org/>, as per the guidance below, while taking into account the data and information provided in the report of the JMPR (2022).

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

³ <https://www.fao.org/fao-who-codexalimentarius/committees/committee/related-circular-letters/en/?committee=CCPR>

GUIDANCE ON THE PROVISION OF COMMENTS

15. Comments should be submitted through the Codex Contact Points of Codex members and observers using the OCS.
16. Contact Points of Codex members and observers may login to the OCS and access the document open for comments by selecting “Enter” in the “My reviews” page, available after login to the system.
17. Other OCS resources, including [Frequently Asked Questions \(FAQ\)](#), as well as the user manual and short guide, can be found at the following link: <http://www.fao.org/fao-who-codexalimentarius/resources/circular-letters/en/>.
18. For questions on the OCS, please contact Codex-OCS@fao.org.

ANNEX
ACCEPTABLE DAILY INTAKES, ACUTE REFERENCE DOSES, RECOMMENDED MAXIMUM RESIDUE LEVELS,
SUPERVISED TRIALS MEDIAN RESIDUE VALUES AND OTHER VALUES RECORDED BY THE 2022 JMPR MEETING
(Original language only)

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
AFIDOPYROPEN (312)						
Afidopyropen (312) ADI: 0–0.08 mg/kg bw ARfD: 0.2 mg/kg bw (women of childbearing age) ARfD: 0.3 mg/kg bw (adults and children)	AL 1020	Alfalfa, fodder	8 (dw)	-	Median: 4.13 (ar)	Highest: 5.46 (ar)
	AL 1031	Clover, fodder	10 (dw)	-	Median: 3.5 (ar)	Highest: 8.55 (ar)
	AS 0162	Grass, hay	15 (dw)	-	Median: 6.32 (dw)	Highest: 14.9 (dw)
	MO 0096	Edible offal (mammalian)	0.3	0.3	0.25 (liver) 0.13 (kidney)	0.45 (liver) 0.15 (kidney)
	PE 0112	Eggs	0.03	0.01*	0.138	0.149
	MF 0100	Mammalian fats (except milk fats)	0.01*	0.01*	0.13	0.15
	MM 0095	Meat (from mammals other than marine mammals)	0.01*	0.01*	0.21 (muscle) 0.13 (fat)	0.34 (muscle) 0.15 (fat)
	ML 0106	Milks	0.001*	0.001*	0.024	
	PO 0111	Poultry, edible offal of	0.02	0.01*	0.156 (liver)	0.22 (liver)
	PF 0111	Poultry, fats	0.015	0.01*	0.138	0.16
	PM 0110	Poultry, meat	0.01*	0.01*	0.13	0.134
	GC 0651	Sorghum	0.2	-	0.0365	
	AS 0651	Sorghum, stover	0.3 (dw)	-	Median: 0.0505 (ar)	Highest: 0.155 (ar)
		Strawberries	0.15	-	0.0539	0.0778

(ar) – as received

Definition of the residue for compliance with the MRL for plant and animal commodities: Afidopyropen.

Definition of the residue for dietary risk assessment for plant commodities: Sum of afidopyropen + dimer of [(3R,6R,6aR,12S,12bR)-3-[(cyclopropanecarbonyl)oxy]-6,12-dihydroxy-4,6a,12b-trimethyl-11-oxo-9-(pyridin-3-yl)-1,3,4,4a,5,6,6a,12,12a,12b-decahydro-2H,11H-naphtho[2,1-b]pyrano[3,4-e]pyran-4-yl]methyl rac-cyclopropanecarboxylate (M007).

Definition of the residue for dietary risk assessment for animal commodities, except liver: Afidopyropen + M001 + CPCA and its carnitine conjugate, expressed as afidopyropen.

Definition of the residue for dietary risk assessment for liver: Afidopyropen + M001 + M017 + CPCA and its carnitine conjugate, expressed as afidopyropen.

The residue is not fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
AZOXYSTROBIN (229)						
Azoxystrobin (229) ADI: 0–0.2 mg/kg bw ARfD: Unnecessary	FI 0345	Mango	4 (Po)	0.7	0.035	
	FI 0350	Papaya	4 (Po)	0.3	0.1	
	VR 0596	Sugar beet	4 (Po)	--	1.35	
	VR 0075	Root and tuber vegetables, Group of (except potato)	W	1	0.23	
	VR 0075	Root and tuber vegetables, Group of (except potato and sugar beet)	1	--	0.23	
	DM 0596	Sugar beet molasses	--	--	0.27	
	DM 3523	Sugar beet refined sugar	--	--	0.023	
<u>Definition of the residue for compliance with the MRL and for dietary risk assessment for plant and animal commodities:</u> Azoxystrobin. The residue is fat-soluble.						
BENZOVINDIFLUPYR (261)						
Benzovindiflupyr (261) ADI: 0–0.05 mg/kg bw ARfD: 0.1 mg/kg bw	FB 0020	Blueberries	2		0.65	0.98
	DV 0604	Ginseng, dried including red ginseng	0.3		0.081	0.16
	DT 0604	Ginseng, dried	0.3		0.081	0.16
	AS 3358	Maize stover	7 (dw)		Median 1.6 (ar)	Highest 2.9 (ar)
	AS 0656	Popcorn stover	7 (dw)		Median 1.6 (ar)	Highest 2.9 (ar)
	GC 0645	Maize	0.02		0.01	
	GC 0656	Popcorn	0.02		0.01	
	CF 1255	Maize flour			0.0025	
		Maize grits			0.0025	
	OR 0645	Maize oil, edible			0.0050	
		Maize starch			0.0025	
	CF 3517	Maize gluten			0.0075	
	Maize bran, unprocessed			0.0050		
(ar) – as received (dw) – dry weight <u>Definition of the residue for compliance with the MRL and dietary risk assessment for plant and animal commodities:</u> Benzovindiflupyr. The residue is fat-soluble.						
BENZPYRIMOXAN (325)*						
Benzpyrimoxan (325)* ADI: 0–0.1 mg/kg bw ARfD: Unnecessary						
<u>Definition of the residue for compliance with the MRL for plant commodities:</u> Benzpyrimoxan. <u>Definition of the residue for dietary risk assessment for plant commodities:</u> Sum of benzpyrimoxan and benzpyrimoxan-2-OH, expressed as benzpyrimoxan. <u>Definition of the residue for compliance with the MRL and dietary risk assessment for animal commodities:</u> Sum of benzpyrimoxan, benzpyrimoxan-acid and benzpyrimoxan-acid-2-OH, expressed as benzpyrimoxan. The residue is not fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
BIFENTHRIN (178)						
Bifenthrin (178) ADI: 0–0.01 mg/kg bw ARfD: 0.01 mg/kg bw	FI 0326	Avocado	0.5		0.089	0.23
	FP 0009	Group of pome fruits (except persimmon, Japanese)	0.7#		0.195	0.45
	SO 0697	Peanut	0.05*		0.05	
	HS 0444	Pepper, chili, dry	4	5	0.98	2.2
	FI 0355	Pomegranate	0.5		0.165	0.22
	VO 20046	Eggplant, Subgroup of	0.4		0.12	0.31
	FS 2001	Peaches, Subgroup of	0.8#		0.22	0.49
	VO 0051	Peppers, Subgroup of (except okra, martynia and roselle)	0.4	0.5	0.12	
	JF 0226	Apple juice			0.0096	
	OR 0697	Peanut oil, edible			0.05	
#On the basis of information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of bifenthrin for the consumption of Peaches, Subgroup of and Pome fruit, Group of (except Japanese persimmon) may present a public health concern.						
Definition of the residue for compliance with the MRL and for dietary risk assessment for animal and plant commodities: Bifenthrin (sum of isomers). The residue is fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
BROFLANILIDE (326)*						
Broflanilide (326)* ADI: 0–0.02 mg/kg bw ARfD: Unnecessary	VB 0041	Cabbages, Head	2	-	0.19	
	VB 0467	Chinese cabbage, (type Pe-tsai)	2	-	0.19	
	SB 0716	Coffee bean, green	0.01	-	0.0023	-
	MO 0105	Edible offal (mammalian)	0.03	-	0.02	-
	PE 0112	Eggs	0.03	-	0.02	-
	GC 0080	Cereal grains, Group of (except rice)	0.001*	-	0 (cereal grains) 0.001 (sweet corns)	-
	AS 3569	Maize, bran	0.002	-	0	-
	CF 1255	Maize, flour	0.002	-	0	-
	MF 0100	Mammalian fats	0.15	-	0.033	-
	MM 0095	Meat (from mammals other than marine mammals)	0.15 (fat)	-	0.02 (muscle) 0.033 (fat)	-
	FM 0183	Milk fats	0.4	-	0.08	-
	ML 0106	Milks	0.015	-	0.004	-
	VR 0591	Radish, Japanese	0.01*	-	0.01	-
	PO 0111	Poultry edible offal	0.03	-	0.02	-
	PM 0110	Poultry meat	0.02*	-	0.02 (muscle) 0.034 (fat)	-
	PF 0111	Poultry fats	0.15	-	0.034	-
	VR 2071	Subgroup of tuberous and corm vegetables	0.04	-	0.00175	
	AS 3304	Subgroup of cereal grains (including pseudocereals) feed products with low water (<20 percent) content (hay, straw), except rice feed products	0.01 (dw)	-	Median: 0.001 (ar)	Highest: 0.0016 (ar)
	CF 1210	Wheat, germ	0.002	-	0	-
		Coffee bean, instant coffee	-	-	0.0002	
	SM 0716	Coffee bean, roasted	-	-	0.0019	
	OR 0645	Maize oil, edible	-	-	0	
		Maize starch	-	-	0	
		Maize germ	-	-	0	
		Potato, starch	-	-	0.0005	
	CF 1211	Wheat, flour	-	-	0	
CF 3522	Wheat, gluten meal	-	-	0		
	Wheat starch	-	-	0		
CP 1212	Wheat, wholemeal bread	-	-	0		

(ar) – as received;

(dw) – dry weight

Definition of the residue for compliance with the MRL and dietary risk assessment for plant commodities: Broflanilide

Definition of the residue for compliance with the MRL and dietary risk assessment for animal commodities: Sum of broflanilide plus 3-benzamido-N-[2-bromo-4-(perfluoropropan-2-yl)-6-(trifluoromethyl)phenyl]-2-fluorobenzamide (DM-8007), expressed as broflanilide.

The residue is fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
CHLORANTRANILIPROLE (230)						
Chlorantraniliprole (230) ADI: 0–2 mg/kg bw ARfD: Unnecessary	FI0326	Avocado	0.3		0.083	
	DT1114	Tea, green, black (black, fermented and dried)	80		24.5	
		Tea infusion			0.20	
Definition of the residue for compliance with the MRL and for dietary risk assessment for plant and animal commodities: Chlorantraniliprole. The residue is fat-soluble.						
CHLORMEQUAT (015)						
Chlormequat (015) ADI: 0–0.05 mg/kg bw ARfD: 0.05 mg/kg bw	GC 0640	Barley	2	2	0.37	-
	AS 0640	Barley, hay and/or straw	200 (dw)		Median: 34.5 (hay) 8.25 (straw) (ar)	Highest: 73 (hay) 32 (straw) (ar)
		Barley, straw and fodder, dry	W	50 (dw)		
	MO 0105	Edible offal (mammalian)	0.5	1	0.036 (liver) 0.20 (kidney)	0.11 (liver) 0.40 (kidney)
	PE 0269	Eggs	0.2	0.1	0.049	0.094
	MF 0100	Mammalian fats (except milk fats)	0.1	0.1	0.04	0.043
	MM 0095	Meat (from mammals other than marine mammals)	0.2	0.2	0.04 (muscle) 0.04 (fat)	0.085 (muscle) 0.043 (fat)
	ML 0095	Milks	0.2	0.3	0.69	-
	PF 0111	Poultry fats	0.04*	0.04*	0.04	0.04
	PM 0111	Poultry meat	0.04*	0.04*	0.04 (muscle, fat)	0.04 (muscle, fat)
	PO 0111	Poultry, edible offal of	0.2	0.1	0.043	0.085
	GC 0654	Wheat	4	2	0.855	-
	CM 0654	Wheat bran, unprocessed	10	7	2.3	-
	AS 0654	Wheat, hay and/or straw	200 (dw)	80 (dw)	Median: 42.5 (hay) 20.5 (straw) (ar)	Highest: 117 (hay) 55 (straw) (ar)
	CF 1210	Wheat germ	20	-	4.3	
	CF 1211	Wheat, flour			0.16	
	CF 1212	Wheat wholemeal			0.855	
		Wheat wholemeal bread			0.46	
	CF 0640	Barley bran, processed			0.34	
	CM 0640	Barley, pearled (pot barley)			0.12	
CF 3511	Barley, flour			0.066		
	Barley malt			0.33		
	Barley beer			0.074		
(ar) – as received (dw) – dry weight Definition of the residue (for compliance with the MRL and dietary risk assessment) in plant and animal commodities: Chlormequat cation. The residue is not fat soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
DIAZINON**						
Diazinon** ADI: 0–0.005 mg/kg bw ARfD: 0.03 mg/kg bw	AM 0660	Almond hulls	W	5		
	TN 0660	Almonds	W	0.05		
	FB 0264	Blackberries	W	0.1		
	FB 4079	Boysenberry	W	0.1		
	VB 0400	Broccoli	W	0.5		
	VB 0041	Cabbage, head	W	0.5		
	VC 4199	Cantaloupe	W	0.2		
	VR 0577	Carrot	W	0.5		
	FS 0013	Cherries	W	1		
	PE 0840	Chicken eggs	W	0.02*		
	PM 0840	Chicken meat	W	0.02*		
	PO 0840	Chicken, edible offal of	W	0.02*		
	VL 0467	Chinese cabbage	W	0.05		
	VP 0526	Common bean pods and/or immature seeds)	W	0.2		
	FB 0265	Cranberry	W	0.2		
	VC 0424	Cucumber	W	0.1		
	FB 0021	Currants, black, red and white	W	0.2		
	VP 0529	Garden pea, shelled (succulent seed)	W	0.2		
	MM 0814	Goat meat	W	2 (fat)†		
	DH 1100	Hops, dry	W	0.5		
	VL 0480	Kale (including collards, curly, scotch and thousand-headed kale; not including marrow-stem kale)	W	0.05		
	MO 0098	Kidney of cattle, goats, pigs and sheep	W	0.03†		
	FI 0341	Kiwifruit	W	0.2		
	VB 0405	Kohlrabi	W	0.2		
	VL 0482	Lettuce, head	W	0.5		
	VL 0483	Lettuce, leaf	W	0.5		
	MO 0099	Liver of cattle, goat, pigs and sheep	W	0.03†		
	GC 0646	Maize	W	0.02*		
	MM 0097	Meat of cattle, pigs and sheep	W	2 (fat)†		
	ML 0106	Milks	W	0.02		
	VA 0385	Onion, bulb	W	0.05		
	FS 0247	Peach	W	0.2		
	HS 0444	Peppers chili, dried	W	0.5		
	VO 0445	Peppers, sweet	W	0.05		
	FI 0353	Pineapple	W	0.1		

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
	FS 0014	Plums	W	1		
	FP 0009	Pome fruits	W	0.3		
	VR 0589	Potato	W	0.01*		
	DF 0014	Prunes, dried	W	2		
	VR 0494	Radish	W	0.1		
	FB 0272	Raspberries, red, black	W	0.2		
	HS 0191	Spices, fruit and berries	W	0.1*		
	HS 0193	Spices, roots and rhizomes	W	0.5		
	HS 0190	Spices, seeds	W	5		
	VL 0502	Spinach	W	0.5		
	VA 0389	Spring onion	W	1		
	VC 0431	Squash, summer	W	0.05		
	FB 0275	Strawberry	W	0.1		
	VR 0596	Sugar beet	W	0.1		
	VO 0447	Sweet corn (corn on the cob)	W	0.02		
	VO 0448	Tomato	W	0.5		
	TN 0578	Walnuts	W	0.01*		

† The Codex MRL accommodated external animal treatment

Definition of the residue for compliance with the MRL for plant commodities: diazinon.

The Meeting was unable to conclude on a residue definition for dietary risk assessment for plant commodities.

The Meeting was unable to conclude on a residue definition for compliance with the MRL and for dietary risk assessment for animal commodities.

DIFENOCONAZOLE (224)

Difenoconazole (224) ADI: 0–0.01 mg/kg bw ARfD: 0.3 mg/kg bw	VO 2704	Goji berry	5	-	0.65	2.4
	DV 2704	Goji berry, dried	15	-	1.6	5.5
	VO 0050	Group of fruiting vegetables other than cucurbits (except peppers, chili)	W	0.6	0.14	0.39
	VO 0050	Group of fruiting vegetables other than cucurbits (except goji berry and pepper, chili)	0.6	-	0.14	0.39
	VR 2950	Pencil yam	0.02	-	0.01	0.01
		Pencil yam, dried	0.07	-	0.029	0.029
	HS 0784	Ginger, rhizome	0.2	-	0.022	0.1
	DV 0784	Ginger rhizome, dried	1.5	-	0.13	-
	DT 1114	Tea, green, black (black, fermented and dried)	20	20	4.86	

Definition of the residue for compliance with the MRL and for dietary risk assessment for plant commodities: Difenoconazole.

Definition of the residue for compliance with the MRL and for dietary risk assessment for animal commodities: Sum of difenoconazole and 1-[2-chloro-4-(4-chloro-phenoxy)-phenyl]-2-(1,2,4-triazol)-1-yl-ethanol), expressed as difenoconazole.

The residue is fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR _{chronic} or STMR-P _{chronic} (mg/kg)	STMR _{acute} or STMR-P _{acute} (mg/kg)	HR or HR-P (mg/kg)
			New	Previous			
DIMETHOATE (027)/OMETHOATE (055)							
Dimethoate (027)/ Omethoate (055) ADI: 0–0.001 mg/kg bw ARfD: 0.02 mg/kg bw	FC 0003	Mandarins, Subgroup of	2		0.081	0.16	0.19
	FC 0004	Oranges, Subgroup of ^a	2		0.31	0.32	0.4
	FI 0236	Avocado	2		0.11	0.37	0.49
	VB 0402	Brussels sprouts	0.1		0.086	0.23	0.25
	VO 0448	Tomato	0.01(*)		0.0175	0.055	0.055
	VP 0544	Yard-long bean (pods)	0.07		0.175	0.55	0.55
	VD 2065	Dry beans, Subgroup of (except soya bean)	0.7		0.175	0.38	
	SO 0495	Rape seed	0.15		0.0775	0.23	
	GC 0654	Wheat	0.06		0.011	0.032	
	CF 0654	Wheat bran, processed	0.3		0.041	0.11	
	CF 1210	Wheat germ	0.2		0.025	0.065	
	MO 0105	Edible offal (Mammalian)	0.001(*)		0 (liver) 0 (kidney)		0 (liver) 0 (kidney)
	MF 0100	Mammalian fats (except milk fats)	0.03		0.003		0.027
	MM 0095	Meat (from mammals other than marine mammals)	0.001(*)		0 (muscle) 0 (fat)		0 (muscle) 0 (fat)
	ML 0106	Milks	0.001(*)		0.0025	0.01	
	PE 0112	Eggs	0.001(*)		0		0
	PF 0111	Poultry fats	0.001(*)		0		0
	PM 0110	Poultry meat	0.001(*)		0		0
	PO 0111	Poultry, Edible offal of	0.001(*)		0		0
	AS 0654	Wheat, hay and/or straw	4 (dw)		Median: 0.06 (dw)		Highest: 2.7 (dw)
	AB 0001	Citrus pulp, dry [feed]	5		1.36		
	JF 0004	Orange juice			0.088	0.093	
OR 0004	Orange oil, edible			0.12	0.13		
	Orange molasses			3.6	3.8		
	Wheat Wholemeal flour			0.006	0.016		
	Wheat White flour			0.0042	0.14		

STMR(-P)_{chronic} Expressed as toxic equivalent residues (dimethoate + 2.5×omethoate)
 STMR(-P)_{acute} Expressed as toxic equivalent residues (dimethoate + 10×omethoate)
 HR Expressed as toxic equivalent residues (dimethoate + 10×omethoate)
 Median median total residue (sum of dimethoate and omethoate) for livestock dietary burden estimation

^a On the basis of the information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of dimethoate and omethoate for the consumption of commodities in the subgroup of oranges may present a public health concern

Dimethoate (see also omethoate)

Definition of the residue for compliance with the MRL for plant and animal commodities: Dimethoate and omethoate (measured and reported separately)

Definition of the residue for dietary risk assessment for plant and animal commodities: Sum of dimethoate plus 2.5× omethoate for long-term dietary exposure and the sum of dimethoate plus 10× omethoate for acute dietary exposure.

The residue is not fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
OMETHOATE (055)						
Omethoate (055) ADI: 0–0.0004 mg/kg bw ARfD: 0.002 mg/kg bw	FC 0003	Mandarins, Subgroup of	0.02			
	FC 0004	Oranges, Subgroup of ^a	0.02			
	FI 0236	Avocado	0.15			
	VB 0402	Brussels sprouts	0.03			
	VO 0448	Tomato	0.01			
	VP 0544	Yard-long bean (pods)	0.05			
	VD 2065	Dry beans, Subgroup of (except soya bean)	0.08			
	SO 0495	Rape seed	0.03			
	GC 0654	Wheat	0.03			
	CF 0654	Wheat bran, processed	0.105			
	CF 1210	Wheat germ	0.06			
	AS 0654	Wheat hay and/or straw	0.3 (dw)			
	AB 0001	Citrus pulp, dry	0.032			
	MO 0105	Edible offal (Mammalian)	0.005			
	MF 0100	Mammalian fats (except milk fats)	0.003			
	MM 0095	Meat (from mammals other than marine mammals)	0.005			
	ML 0106	Milks	0.0015			
	PE 0112	Eggs	0.001(*)			
	PF 0111	Poultry fats	0.001(*)			
PM 0110	Poultry meat	0.001(*)				
PO 0111	Poultry, Edible offal of	0.001(*)				
<p>^a On the basis of the information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of dimethoate and omethoate for the consumption of commodities in the subgroup of oranges may present a public health concern. Omethoate (from the use of dimethoate)</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
EMAMECTIN BENZOATE (247)						
Emamectin benzoate (247) ADI: 0–0.0005 mg/kg bw ARfD: 0.02 mg/kg bw	HH 0722	Basil, leaves	0.06	-	0.0045	0.032
	DH 0722	Basil leaves, dry	0.4	-	0.029	0.205
	VL 0054	Brassica leafy vegetables, Subgroup of	0.2	-	0.01	0.219
	VA 2605	Chives	0.01	-	0.001	0.006
	DH 2605	Chive, dried	0.05	-	0.005	0.025
	VB 0042	Flowerhead Brassicas, Subgroup of	0.007	-	0.002	0.004
	MF 0100	Mammalian fats (except milk fats)	0.02	0.02	0.002	0.012
	MM 0095	Meat (from mammals other than marine mammals)	0.005	0.004	0.002	0.0046
	ML 0106	Milks	0.003	0.002	0.0005	-
	MO 0105	Edible offal (mammalian)	0.1	0.08	0.0071	0.088
	VL 0502	Spinach	0.05	-	0.006	0.036
	VD 0541	Soya bean (dry)	0.001*	-	0	
	DT 1114	Tea, Black, Green, dried and fermented	0.1	-	0.009	
	Tea infusion	-	-	0.000018		
<u>Definition of the residue for compliance with the MRL and for dietary risk assessment for plant and animal commodities:</u> Emamectin B1a benzoate. The residue is not fat soluble.						
FAMOXADONE (208)						
Famoxadone (208) ADI: 0–0.006 mg/kg bw ARfD: 0.6 mg/kg bw	VC 0424	Cucumber	W	0.2		
	MU 1100	Hops, dried	50	--	13	
	HS 0444	Peppers chili, dried	50		4.7	37
	VO 0444	Peppers, chili	5	--	0.47	3.7
	VO 0445	Peppers, sweet (including pimento or pimiento)	5	--	0.47	3.7
	VC 0431	Squash, Summer	W	0.2		
	VA 2031	Subgroup of bulb onions	0.4	--	0.02	0.23
	FB 2005	Subgroup of cane berries	10	--	1.1	6.6
	VC 2039	Subgroup of fruiting vegetables, cucurbits–cucumbers and summer squashes	0.6	--	0.17	0.37
	VO 0448	Tomato	2	2	0.1	1.1
<u>Definition of the residue for compliance with the MRL and dietary risk assessment for plant and animal commodities:</u> Famoxadone. The residue is fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)	
			New	Previous			
FENAZAQUIN (297)							
Fenazaquin (297) ADI: 0–0.05 mg/kg bw ARfD: 0.1 mg/kg bw	FC 0002	Lemons and limes (incl. citron), Subgroup of	0.3		0.01 (Kumquat 0.08)	0.01 (Kumquat 0.12)	
	FC 0004	Oranges, sweet, sour (incl. orange-like hybrids), Subgroup of	0.4		0.01	0.01	
	FC 0005	Pummelo and grapefruits (incl. Shaddock-like hybrids, among other grapefruit), Subgroup of	0.3		0.01	0.01	
	FC 0003	Mandarins (incl. mandarin-like hybrids), Subgroup of	0.3		0.01	0.01	
	OR 0001	Citrus oil, edible	40		9.84		
	FP 0226	Apples	0.3		0.08	0.18	
	FS 0014	Plums, Subgroup of	0.5		0.145	0.25	
	DF 0014	Prune, dried	3		0.7	1.2	
	FS 2001	Peaches (incl. nectarine and Apricots), Subgroup of	1.5		0.38	1.2	
	FB 2005	Cane berries, Subgroup of	0.7		0.18	0.41	
	FB 2006	Bush berries, Subgroup of	0.8		0.235	0.42	
	FB 2008	Small fruit vine climbing, Subgroup of	0.7		0.19	0.4	
	DF 0269	Dried grapes (=currants, raisins and sultanas)	1.5		0.42	0.88	
	FB 2009	Low growing berries, Subgroup of	2		0.49	1.2	
	FI 0326	Avocado	0.15		0.01	0.01	
	VC 0045	Fruiting vegetables, cucurbits, Group of	0.3		0.06	0.19	
	VO 2045	Tomatoes, Subgroup of	0.3		0.052	0.19	
	VO 0051	Peppers, Subgroup of (except martynia, okra and roselle)	0.3		0.079	0.22	
	HS 0444	Peppers chili, dried	3		0.79	2.2	
	VO 2046	Eggplants, Subgroup of	0.3		0.079	0.22	
	MO 0105	Edible offal (mammalian)	0.02 (*)		0.00056 (liver)	0.0065 (liver)	
	MF 0100	Mammalian fats (except milk fats)	0.02 (*)		0.00065	0.00081	
	MM 0095	Meat (from mammals other than marine mammals)	0.02 (*) (fat)		0	0	
	ML 0106	Milks	0.02 (*) (fat)		0		
	FM 0183	Milk fats	0.02 (*) (fat)		0		
			Grape wine (red)			0.0038	
	JF 0269		Grape juice			0.027	
	JF 0204		Lemon juice			0.0008	0.01
	JF 0004		Orange juice			0.00125	
	JF 0203		Grapefruit juice			0.0007	
FCT7003		Mandarin juice			0.0008		
DM 0448		Tomato paste			0.047		
DM 0448		Tomato puree			0.021		

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
<p><u>Definition of the residue for compliance with the MRL and for dietary risk assessment for plant commodities:</u> Fenazaquin.</p> <p><u>Definition of the residue for compliance with the MRL for animal commodities:</u> Sum of fenazaquin and 2-hydroxy-fenazaquin acid, expressed as fenazaquin equivalents.</p> <p><u>Definition of the residue for dietary risk assessment for animal commodities:</u> Sum of fenazaquin, and 2-hydroxy-fenazaquin acid and tautomeric forms of 4-hydroxyquinazoline, expressed as fenazaquin equivalents.</p> <p>The residue is fat-soluble.</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
FLUAZAINDOLIZINE (327)						
Fluazaindolizine (327)* ADI: 0–0.3 mg/kg bw ARfD: 1 mg/kg bw	VB 0040	Brassica vegetables (except Brassica leafy vegetables), Group of	0.02		0.04335	0.0705
	VA 2605	Bulb vegetables	0.04		0.0674	0.8281
	VR 0577	Carrot	0.4		0.1485	1.973
	GC 0080	Cereal grains, Group of	0.03		0.0676	
	AS 0081	Cereal grains (including pseudocereals) feed products with low water (<20 percent) content (hay and/or straw)	0.09 (dw)		Median: 0.073 (ar)	Highest: 0.0553 (ar)
	VC 2039	Cucumbers and summer squashes, Subgroup of	0.15		0.1092	0.3674
	MO 0105	Edible offal (mammalian)	0.01		0.1657 (kidney)	0.7592 (kidney)
	VO 2046	Eggplant, Subgroup of	0.15		0.0748	0.963
	PE0112	Eggs	0.01*		0.0006	0.00263
	VL 0053	Leafy vegetables (including Brassica leafy vegetables), Group of	0.04		0.3880	1.388
	VP 0060	Legume vegetables, Group of (immature seeds with pods)	0.04		0.0709	0.1589
	MF 0100	Mammalian fats (except milk fats)	0.01*		0.0092	0.0431
		Maize flour			0.0366	
		Maize grits			0.0144	
		Maize refined oil			0	
		Maize starch			0	
	MM 0095	Meat (from mammals other than marine mammals)	0.01*		0.0089 (muscle) 0.0092 (fat)	0.0415 (muscle) 0.0431 (fat)
	VC 2040	Melons, pumpkins and winter squashes, Subgroup of	0.1		0.1348	0.3937
	ML 0106	Milks	0.01*		0.0029	
	FM 0183	Milk fats	0.01*		0.0033	
	SO 0088	Oilseeds and oilfruits, Group of	0.04		0.0656	
	HS 0444	Peppers, Chili, dried	0.3		0.74	3.102
	VO 0051	Peppers, Subgroup of (except martynia, okra, roselle)	0.03		0.074	0.3102
		Potatoes, baked microwaved unpeeled			0.1661	1.3600
		Potatoes, boiled unpeeled			0.0560	0.6538
		Potatoes, boiled peeled			0.0343	0.3695
		Potato, crisps			0.0673	0.6757
		Potato, dried flakes			0.0956	1.0275
		Potato, French fries peeled			0.0319	0.3213
		Potato, French fries unpeeled			0.1215	1.0607

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
	PO0111	Poultry, Edible offal of	0.02		0.024 (liver)	0.1182 (liver)
	VD 0070	Pulses, Group of	0.09		0.0656	
	PF0111	Poultry fats	0.01*		0.00063	0.0032
	PM 0110	Poultry meat	0.01*		0.0014 (muscle) 0.00063 (fat)	0.0071 (muscle) 0.0032 (fat)
	AM 3538	Rape seed, hay, and/or straw	0.05 (dw)			
	VR 2070	Root vegetables (except carrot)	0.04		0.1935	0.9322
	VS 0078	Stalk and stem vegetables	0.04		0.0674	0.8281
		Soya bean refined oil			0	
	FB 0275	Strawberries	0.015		0.0530	0.1416
		Strawberry juice			0.0142	
		Strawberry canned			0.0081	0.0419
		Strawberry jam			0.0040	0.0210
		Strawberry dehydrated fruit			0.0830	0.4297
		Strawberry frozen			0.0121	0.0629
	AL 3301	Subgroup of products of legume feeds with low water (<20 percent) content (hay)	0.17 (dw)		Median: 0.0274 (ar)	Highest: 0.0848 (ar)
	VO 2045	Tomato, Subgroup of	0.15		0.0748	0.963
		Tomato canned			0.0711	0.9389
	DV 04489	Tomato dried	0.5		0.4624	6.6960
		Tomato juice			0.0590	
		Tomato paste			0.2476	3.5309
		Tomato purée			0.1268	1.8056
	VR 2071	Tuberous and corm vegetables, Subgroup of	0.2		0.1231	0.7356
		Wheat bran (unprocessed)			0	
		Wheat flour			0	
		Wheat germ			0	

Definition of the residue for compliance with the MRL for plant and animal commodities: Fluzaindolizine.

Definition of the residue for dietary risk assessment for plant commodities: Fluzaindolizine, and free and conjugated forms of the following compounds: 2-chloro-5-hydroxybenzenesulfonamide (IN- A5760), 2-chloro-5-methoxybenzenesulfonamide (IN-F4106), 8-chloro-6-(trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxylic acid (IN-QEK31), 3-[[[2-chloro-5-methoxyphenyl)sulfonyl]amino]-L-alanine (IN-QZY47), 8-chloro-N-[(2-chloro-5-hydroxyphenyl)sulfonyl]-6-(trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxamide (IN-REG72), 8-chloro-6-(trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxamide (IN-RYC33) and 3-[[[2-chloro-5-methoxyphenyl)sulfonyl]amino]-(2R)- hydroxypropanoic acid (IN-TMQ01) (expressed as fluzaindolizine). This can be implemented by taking the maximum of the sum of compounds containing the imidazopyridine ring and hydrolysed using acid to IN-A5760, IN-F4106, IN-QZY47 and IN-TMQ01 (expressed as fluzaindolizine) **OR** compounds containing the phenyl ring and hydrolysed to 8-chloro-6- (trifluoromethyl)imidazo[1,2-a]pyridine-2-carboxylic acid (IN-QEK31) (expressed as fluzaindolizine).

Definition of the residue for dietary risk assessment for animal commodities: Sum of fluzaindolizine, 2-chloro-5-hydroxybenzenesulfonamide (IN-A5760), 2-chloro-5-methoxybenzenesulfonamide (IN-F4106), and 3-[[[2-chloro-5-methoxyphenyl)sulfonyl]amino]-(2R)-hydroxypropanoic acid (IN-TMQ01) (expressed as fluzaindolizine).

The residue is not fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
FLUDIOXONIL (211)						
Fludioxonil (211) ADI: 0–0.4 mg/kg bw ARfD: Unnecessary	AM 0660	Almond hulls	20		1.8	
	OR 0660	Almond oil	0.3		0.015	
	FI 0327	Banana	2 (Po)		0.013	
	VD 0071	Beans (dry)	W	0.5		
	VP 0061	Beans (<i>Phaseolus</i> spp.) immature pods and succulent seeds	W	0.6		
	VP 2060	Beans with pods, Subgroup of (except soya beans (succulent seeds in pods))	0.8		0.055	
	VD 0524	Chick-pea (dry)	W	0.3		
	VD 2065	Dry beans, Subgroup of (except soya beans)	0.3		0.029	
	VD 2066	Dry peas, Subgroup of	0.3		0.11	
	MO 0105	Edible offal (mammalian)	0.15	0.1	0.037	
	VD 0533	Lentil (dry)	W	0.3		
	FI 0345	Mango	7 (Po)	2	0.04	
	MF 0100	Mammalian fats (except milk fats)	0.02	0.02	0.006	
	MM 0095	Meat (from mammals other than marine mammals)	0.02	0.02	0.006 (fat) 0.006 (muscle)	
	ML 0106	Milks	0.07	0.04	0.016	
	FI 0350	Papaya	5 (Po)		0.15	
	VD 0072	Peas (dry)	W	0.07		
	VP 0063	Peas (pods and succulent=immature seeds)	W	0.3		
	VP 2061	Peas with pods, Subgroup of	0.8		0.055	
	VP 4453	Snap beans (young pods)	W	0.6		
	VR 0596	Sugar beet	4 (Po)		1.1	
	TN 0085	Tree nuts (except Canarium nut, Chilean hazelnut, and pistachios)	0.3		0.01	
		Almonds, roasted			0.008	
DM 0596	Sugar beet molasses			0.62		
DM 3523	Sugar beet, sugar refined			0.11		
Definition of the residue for compliance with the MRL and for dietary risk assessment for plant commodities: Fludioxonil.						
Definition of the residue for compliance with the MRL and for dietary risk assessment for animal commodities: Sum of fludioxonil and its benzopyrrole metabolites, determined as 2,2-difluoro-benzo[1,3]dioxole-4-carboxylic acid and expressed as fludioxonil.						
The residue is fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
FLUINDAPYR (328)*						
Fluindapyr (328)* ADI: 0–0.04 mg/kg bw ARfD: 0.6 mg/kg bw	AM 0660	Almond hulls	20 (dw)		Median: 3.4	-
	GC 2091	Maize cereals, Subgroup of	0.01*		0.02	0.02
	AS 3558	Maize, stover	5 (dw)		Median: 0.95 (ar)	Highest: 3.0 (ar)
	GC 2089	Sorghum Grain and Millet, Subgroup of	1		0.395	-
	AS 3561	Sorghum, stover	3 (dw)		Median: 0.395	Highest: 2.4
	GC 0447	Sweet corn (corn-on-the cob) (kernels plus cob with husk removed)	0.01*		0.02	0.02
	AS 3563	Sweet corn, stover	30 (dw)		0.855	13 (ar)
	TN 0085	Tree nuts, Group of	0.04		0.0205	
	GC 2086	Wheat, similar grains, and pseudo cereals without husks, Subgroup of	0.4		0.074	-
	AS 0654	Wheat, hay and/or straw	15 (dw)	-	Median: 1.9 (hay) (ar) 1.8 (straw) (ar)	Median: 7.1 (hay) (ar) 13 (straw) (ar)
	CF 1255	Maize, flour	-	-	0.02	
	-	Maize, grits	-	-	0.02	
	CF 0645	Maize, meal	-	-	0.02	
	-	Maize, starch	-	-	0.02	
	OR 0645	Maize, refined deodorized oil	-		0.036	
	CF 3520	Sorghum, Grain, flour	-	-	0.17	
	CF 0654	Wheat, bran, processed	-	-	0.92	
	CF 3522	Wheat, gluten meal	-	-	0.034	
	CF 1210	Wheat, germ	-	-	0.031	
	CF 1212	Wheat, whole meal	-	-	0.063	
CF 1211	Wheat, flour	-	-	0.026		
-	Wheat, wholemeal bread	-	-	0.037		

(ar) – as received

(dw) – dry weight

Definition of the residue for compliance with the MRL assessment for plant commodities: Fluindapyr.

Definition of the residue for compliance with the MRL assessment for animal commodities: Fluindapyr.

Definition of the residue for dietary risk assessment for plant commodities: Sum of fluindapyr and 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide (1-OH-Met-fluindapyr) and its conjugates, expressed as parent.

Definition of the residue for dietary risk assessment for animal commodities: Sum of fluindapyr, 4-(3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamido)-7-fluoro-1,3-dimethyl-2,3-dihydro-1H-indene-1-carboxylic acid (1-COOH-fluindapyr), 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide (1-OH-Met-fluindapyr), 3-(difluoromethyl)-N-[7-fluoro-1-(hydroxymethyl)-1,3-dimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide (1-OH-Met-N-DesMet-fluindapyr) and their conjugates, and 3-(difluoromethyl)-N-(7-fluoro-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)-1H-pyrazole-4-carboxamide (N-DesMet-fluindapyr), expressed as fluindapyr.

The residue is fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
FLUPYRADIFURONE (285)						
Flupyradifurone (285) ADI: 0–0.08 mg/kg bw ARfD: 0.2 mg/kg bw	FI 0353	Pineapple	0.3		0.13	0.19
	SO 2091	Sunflower seeds (Subgroup)	0.8		0.31	
	SO 0700	Sesame seed	3		1	
	OC 7000	Sesame seed oil (crude)			0.13	
	JF 0341	Pineapple juice			0.044	
<u>Definition of the residue for compliance with the MRL for plant commodities:</u> Flupyradifurone.						
<u>Definition of the residue for dietary risk assessment for plant commodities:</u> Sum of flupyradifurone, difluoroacetic acid (DFA) and 6-chloronicotinic acid (6-CNA), expressed as parent equivalents.						
<u>Definition of the residue for compliance with the MRL for animal commodities:</u> Sum of flupyradifurone and difluoroacetic acid, expressed as parent equivalents.						
<u>Definition of the residue for dietary risk assessment for animal commodities:</u> Sum of flupyradifurone and difluoroacetic acid, expressed as parent equivalents						
The residue is not fat-soluble.						
FLUTRIAFOL (248)						
Flutriafol (248) ADI: 0–0.01 mg/kg bw ARfD: 0.05 mg/kg bw	TN 0660	Almonds	0.8		0.064	0.42
	GC0640	Barley	1.5		0.2	
	MO0105	Edible offal, mammalian	1	1	0.3	0.53
	PE0112	Eggs	0.01 (*)	0.01 (*)	0.0047	0.0072
	MF0100	Mammalian fats (except milk fat)	0.02	0.02	0.0092	0.014
	MM0095	Meat (from mammals other than marine mammals)	0.02 (fat)	0.02 (fat)	0.0042	0.0083
	ML0106	Milks	0.01(*)	0.01(*)	0.0047	0.0066
	PO0111	Poultry, edible offal of	0.03	0.03	0.011	0.024
	PF0111	Poultry fats	0.03	0.02	0.0094	0.017
	PM0110	Poultry meat	0.03(fat)	0.01(*)	0.0043	0.0048
	CM0649	Rice, husked	1		0.37	
	CM1205	Rice, polished	1.5		0.40	
	AM0660	Almond hulls	15 (dw)		2.00 (ar)	
	AS0640	Barley hay and/or straw	10 (dw)		Median: 1.0 (ar)	Highest: 6.4 (straw) (ar) 5.0 (hay) (ar)
	GC0649	Rice	4		1.1	
	AS0649	Rice, hay and/or straw	6 (dw)		Median: 1.40 (ar)	Highest: 4.0 (ar)
	AS 3570	Rice, hulls (husks)	20 (dw)		Median: 6.8 (ar)	
	CM0640	Barley, pearled			0.099	
CF0640	Barley bran, processed			0.17		
CM1206	Rice bran, unprocessed			0.068 (ar)		
(ar) – as received						
<u>Definition of the residue for compliance with the MRL and dietary risk assessment for plant and animal commodities:</u> Flutriafol.						
The residue is fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
INDOXACARB (216)						
Indoxacarb (216) ADI: 0–0.01 mg/kg bw ARfD: 0.1 mg/kg bw	AM 0660	Almond hulls	9 (dw)	-	2.65	3.80
	FB 2006	Bushberries, Subgroup of	2	-	0.58	1.04
	VD 2065	Beans, dry, Subgroup of (except cowpea, mung bean and soya bean)	0.09	-	0.01	
	VP 2060	Beans with pods, Subgroup of (except soya bean)	0.9	-	0.16	0.59
	VR 0574	Beetroot	0.5	-	0.18	0.22
	MO 0105	Edible offal (Mammalian)	0.05	0.05	0.03	0.06
	MF 0100	Mammalian fats (except milk fats)	2	-	0.66	1.9
	GC 2091	Maize cereals, Subgroup of	0.015	-	0.01	
	AS 0645	Maize fodder (dry)	W	25		
	AS 3558	Maize, stover	25 (dw)	-	Median: 3.7	Highest: 9.8
	MM 0095	Meat (from mammals other than marine mammals)	2 (fat)	2 (fat)	0.15	0.46
	ML 0106	Milks	0.2	0.1	0.07	-
	FM 0183	Milk fats	6	2	1.7	-
TN 0085	Tree nuts	0.07	-	0.013	0.046	

(ar) – as received

(dw) – dry weight

Definition of the residue for compliance with the MRL and dietary risk assessment for plant commodities: Sum of indoxacarb and its R enantiomer.

Definition of the residue for compliance with the MRL for animal commodities: Sum of indoxacarb and its R enantiomer.

Definition of the residue for dietary risk assessment for animal commodities: Sum of indoxacarb, its R enantiomer and methyl 7-chloro-2,5-dihydro-2-[[[4- (trifluoromethoxy)phenyl]amino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a(3H)- carboxylate (IN- JT333), expressed as indoxacarb.

The residue is fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
INPYRFLUXAM (329)						
Inpyrfluxam (329)* ADI: 0–0.06 mg/kg bw ARfD: 0.3 mg/kg bw	FP 0226	Apples	4		0.91	1.88
	VD 0541	Soya bean (dry)	0.01(*)		0	-
	VR 0596	Sugar beet	0.01(*)		0	0
	GC 0649	Husked rice	0.01(*)		0	
	GC 0645	Maize grain	0.01(*)		0	-
	GC 0656	Popcorn	0.01(*)		0	-
	GC 0447	Sweet corn (Corn-on-the-cob) (Kernels plus cob with husk removed)	0.01(*)		0	0
	SO 0697	Peanut	0.01(*)		0.01	0.01
	AL 0697	Peanut, hay and/or straw	3		Median: 0.35 (ar)	Highest: 2 (ar)
	AS 3558	Maize stover	0.02(*)		Median: 0.02 (ar)	Highest: 0.02 (ar)
	MM 0095	Meat from mammals other than marine mammals	0.02(*)		0	0
	MF 0100	Mammalian fats	0.02(*)		0	0
	MO 0105	Edible offal (mammalian)	0.02(*)		0	0
	ML 0106	Milk	0.02(*)		0	0
	PM 0110	Poultry meat	0.02(*)		0	0
	PF 0111	Poultry fat	0.02(*)		0	0
	PO 0111	Poultry edible offal	0.02(*)		0	0
PE 0112	Eggs	0.02(*)		0	0	
JF 0226	Apple, juice	-		0.11	-	
<p><u>Definition of the residue for compliance with the MRL for plant commodities:</u> Inpyrfluxam.</p> <p><u>Definition of the residue for dietary risk assessment for plant commodities:</u> Inpyrfluxam.</p> <p><u>Definition of the residue for compliance with the MRL and dietary risk assessment for animal commodities:</u> Inpyrfluxam and 1'-CH₂OH-S-2840 (free or conjugated) expressed as inpyrfluxam.</p> <p>The residue is not fat soluble.</p>						
ISOFLUCYPRAM (330)						
Isoflucypram (330)* ADI: 0–0.06 mg/kg bw ARfD: Unnecessary						
<p><u>Definition of the residue for compliance with the MRL for plant and animal commodities:</u> Isoflucypram.</p> <p><u>Definition of the residue for dietary risk assessment for plant and animal commodities:</u> A conclusion could not be reached.</p> <p>The residue is fat-soluble.</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
MANCOZEB (050)/DITHIOCARBAMATES (105)						
Mancozeb (050)/ Dithiocarbamates (105) ADI: 0–0.03 mg/kg bw ADI: 0–0.004 mg/kg bw (ETU) ARfD: Not established	SO 0691	Cottonseed	0.3		0.75	
	FI 0342	Longan	15		9.8	
	GC 0645	Maize	0.15		0.83	
	GC 0649	Rice grain	3			
	CM 0649	Rice, husked	1.5		3.2	
	CM 1205	Rice, polished	1.5		3.2	
	VD 0541	Soya bean (dry)	0.3		0.75	
		Soya bean—all processed commodities			0.75	
		Maize—all processed commodities			0.83	
		Rice—all processed commodities			3.2	
	Cottonseed—all processed commodities			0.75		
<p><u>Definition of the residue for compliance with the MRL in plant and animal commodities:</u> Total dithiocarbamates, determined as CS₂, evolved during acid digestion and expressed as mg CS₂/kg.</p> <p><u>Definition of the residue for dietary risk assessment in plant and animal commodities:</u> Mancozeb plus ethylenethiourea (ETU)</p> <p>The Meeting assessed combined residues of mancozeb and ETU using the ratio of the ADIs (7.5) to express residues in terms of mancozeb-toxicity-equivalents (MTE).</p> <p>Dithiocarbamate residues are not fat-soluble</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
MANDIPROPAMID (231)						
Mandipropamid (231) ADI: 0–0.2 mg/kg bw ARfD: Unnecessary	HH 0722	Basil, leaves	30		8.75	
	DH 0722	Basil leaves, dried	200		62.5	
	VA 2031	Bulb Onions, Subgroup of	0.05		0.01	
	VC 0424	Cucumber	W	0.2		
	VO 2046	Eggplants, Subgroup of	0.7		0.09	
	VC 2039	Fruiting vegetables, cucurbits–cucumber and summer squashes, Subgroup of	0.2		0.0475	
	VC 2040	Fruiting vegetables, cucurbits–melons, pumpkins and winter squashes, Subgroup of	0.4		0.01	
	VR 0604	Ginseng	0.15		0.01	
	DV 0604	Ginseng, dried including red ginseng	4		0.46	
	VC 0046	Melon, except watermelon	W	0.5		
	VA 0385	Onion, bulb	W	0.1		
	VO 0051	Peppers, Subgroup of (except martynia, okra and roselle)	0.7	1	0.09	
	HS 0444	Peppers, chili, dried	7	10	0.9	
	VA 0389	Spring onion	W	7		
	VC 0431	Squash, summer	W	0.2		
	VO 0448	Tomato	W	0.3		
	VO 2045	Tomatoes, Subgroup of	1		0.26	
		Tomato, canned			0.101	
	JF 0448	Tomato juice			0.26	
		Tomato paste			0.91	
DM 0448	Tomato puree			0.286		
Definition of the residue for compliance with the MRL and for estimation of dietary exposure for plant and animal commodities: Mandipropamid. The residue is not fat-soluble.						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
MANDIPROPAMID (231)						
Mefentrifluconazole (320)* ADI: 0–0.04 mg/kg bw ARfD: 0.3 mg/kg bw	AM 0660	Almond, hulls	4		1.2	
	AB 0226	Apple dried pomace	15		3.9	
	FI 0326	Avocado	1		0.36	0.5
	FI 0327	Banana	1.5		0.055 (pulp)	0.21 (pulp)
	GC 0640	Barley	3		0.425	
	CM 3510	Barley bran, unprocessed	15		2.1	
	CF 3511	Barley, flour	15		1.6	
	VP 2060	Beans with pods, except soya bean (succulent seeds in pods), Subgroup of	0.05		0.01	0.03
	VA 2031	Bulb Onions, Subgroup of	0.2		0.05	0.14
	FB 2006	Bush berries, Subgroup of	5		0.58	3.24
	FB 2005	Cane berries, Subgroup of	3		0.96	1.62
	FS 0013	Cherries, Subgroup of	5		1.1	2.4
	OR 0001	Citrus oil, edible	70		15.2	
	SB 0716	Coffee bean	0.4		0.01	
	SO 0691	Cottonseed, Subgroup of	0.2		0.04	
	AS 3564	Dried distiller's grain from barley	8		1	
	VD 2065	Dry beans, except soya bean (dry), Subgroup of	0.07		0.01	
	VD 2066	Dry peas, except lentil (dry), Subgroup of	0.15		0.015	
	MO 0105	Edible offal (mammalian)	2		0.61 (liver) 0.34 (kidney)	1.91 (liver) 1.36 (kidney)
	VO 2046	Eggplants, Subgroup of	1.5		0.25	0.84
	PE 0112	Eggs	0.04		0.032	0.094
	FB 0267	Elderberries	5		0.58	3.24
	VC 2039	Fruiting vegetables, cucurbits - cucumbers and summer squashes, Subgroup of	0.15		0.035	0.123
	VC 2040	Fruiting vegetables, cucurbits– melons, pumpkins and winter squashes, Subgroup of	0.5		0.15	0.23
	AB 0269	Grape, dried pomace	9		2.3	
	VA 2032	Green Onions, Subgroup of	4		0.39	2.2
	FB 2254	Guelder rose	5		0.58	3.24
	VL 2050	Leafy greens ^a , Subgroup of	30		8.1	18
	VL 0054	Leaves of Brassicaceae ^a , Subgroup of	30		6.65	12
	FC 0002	Lemons and limes (including citron), Subgroup of	1.5		0.37	0.98
	VD 0533	Lentil (dry)	1.5		0.22	
	FB 2009	Low growing berries, Subgroup of	2		0.29	1.1
GC 0645	Maize	0.01*		0.01		

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
	MF 0100	Mammalian fats (except milk fats)	1.5		0.39	1.26
	FC 0003	Mandarins (including mandarin-like hybrids), Subgroup of	1.5		0.37	0.98
	FI 0345	Mango	0.6		0.01	0.01
	MM 0095	Meat (from mammals other than marine mammals)	0.15 (fat)		0.04 (muscle) 0.39 (fat)	0.14 (muscle) 1.26 (fat)
	ML 0106	Milks	0.1		0.07	
	GC 0646	Millet	2		0.41	
	GC 0647	Oats	3		0.425	
	FC 0004	Oranges, sweet, sour (including orange-like hybrids), Subgroup of	1		0.215	0.7
	FI 0350	Papaya	0.5		0.07	0.22
	AL 0072	Pea, hay and/or straw	30 (dry weight)		9.74	13
	FS 2001	Peaches (including nectarine and apricots), Subgroup of	2		0.56	1.04
	SO 0697	Peanut	0.01*		0.01	
	AL 0697	Peanut, hay and/or straw	40 (dry weight)		8.9	30
	VP 2061	Peas with pods, Subgroup of	0.15		0.01	0.1
	HS 0444	Peppers, Chili, dried	15		2.5	8.4
	VO 0051	Peppers, except martynia, okra and roselle, Subgroup of	1.5		0.25	0.84
	FS 0014	Plums (including fresh prunes), Subgroup of	1.5		0.26	1
	FP 0009	Pome fruits except persimmon, Japanese, Group of	1.5		0.39	1.12
	GC 0656	Popcorn	0.01*		0.01	
	PO 0111	Poultry, edible offal	0.7		0.12	0.844
	PF 0111	Poultry, fats	0.2		0.124	0.503
	PM 0110	Poultry, meat	0.03 (fat)		0.012 (muscle) 0.124 (fat)	0.053 (muscle) 0.50 (fat)
	DF 0014	Prune, dried	7		1.1	4.1
	FC 0005	Pummelo and grapefruits (including Shaddock-like hybrids, among other grapefruit), Subgroup of	0.5		0.16	0.24
	GC 0649	Rice	5		1.2	
	CM 0649	Rice, husked	1.5		0.11	
	CM 0649	Rice, husked	1.5		0.11	
	VR 2070	Root vegetables, except sugar beet, Subgroup of	0.5		0.105	0.4
	GC 0650	Rye	0.4		0.09	
	SO 2090	Small seed oilseeds, Subgroup of	1		0.06	
	GC 0651	Sorghum grain	2		0.41	
	VD 0541	Soya bean (dry)	0.4		0.01	
	AL 0541	Soya bean, hay and/or straw	20 (dry weight)		4.5	12

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
	AS 0081	Straw and hay of cereal grains	50 (dry weight)		10.3	25.7
	VP 2062	Succulent beans without pods, except soya bean (succulent seeds), Subgroup of	0.03		0.01	0.02
	VP 2063	Succulent peas without pods, Subgroup of	0.01*		0.01	0.01
	GS 0659	Sugar cane	1.5		0.37	
	SO 2091	Sunflower seeds, Subgroup of	0.15		0.01	
	GC 0447	Sweet corn (corn-on-the-cob) (kernels plus cob with husk removed)	0.04		0.01	0.02
	DV 0448	Tomato, dried	7		1.3	4.1
	VO 2045	Tomatoes, Subgroup of	0.7		0.14	0.45
	TN 0085	Tree nuts, Group of	0.06		0.01	0.06
	GC 0653	Triticale	0.4		0.09	
	VR 2071	Tuberous and corm vegetables, Subgroup of	0.05		0.01	0.05
	GC 0654	Wheat	0.4		0.09	
	CF 3521	Wheat aspirated grain fractions	16		3.5	
	CM 0654	Wheat bran, unprocessed	1.5		0.26	
	CF 1210	Wheat, germ	0.5		0.1	
	CF 3515	Wheat, shorts (cereal grain milling by-product)	1.5		0.32	
	FB 1236	Wine-grapes	2		0.54	1.1
		Apple fruit syrup			0.16	0.45
		Apple sauce			0.043	
	DF 0226	Apple, dried			0.12	0.35
	JF 0226	Apple, juice			0.051	
		Barley, beer			0.13	
		Barley, brewing malt			0.21	
	CM 0640	Barley, pearled			0.051	
		Canned apples			0.051	
		Canned strawberries			0.27	
	JF 0001	Citrus juice			0.007	
		Citrus marmalade			0.044	
		Citrus peel			0.96	2.5
		Citrus pulp			0.007	0.02
		Coffee beans, concentrated liquor			0.00075	
		Coffee beans, instant coffee			0.0016	
	SM 0716	Coffee beans, roasted			0.0062	
	OR 0691	Cotton seed oil, edible			0.00016	
	JF 0269	Grape, juice			0.07	
	-	Grape, wine (red)			0.016	
		Grape, wine (white)			0.011	

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
		Pickled gherkins			0.026	0.088
	DV 0589	Potato flakes/granules			0.0033	
		Potato, baked with peel			0.0033	0.0165
		Potato, crisps/chips--without peel			0.0033	0.0165
		Potato, fried without peel			0.0033	0.0165
		Potato, peeled tuber			0.0033	0.0165
		Potato, starch			0.0033	
		Potato, stove boiled -without peel			0.0033	0.0165
		Prune juice			0.039	
		Prune puree			0.15	
	CM 1206	Rice bran, unprocessed			0.44	
	CM 1205	Rice, polished			0.0085	
	OC 0541	Soya bean oil, crude			0.01	
	OR 0541	Soya bean oil, refined			0.0083	
		Soya bean, flour			0.0083	
		Soya bean, miso			0.0083	
		Soya bean, soya sauce			0.0083	
		Soya bean, tofu			0.0083	
		Strawberry fruit syrup			0.058	0.22
		Strawberry jam			0.12	
	DM 0448	Tomato puree			0.039	
		Tomato, canned			0.0084	0.027
	JF 0448	Tomato, juice			0.011	
	VW 0448	Tomato, paste			0.069	
		Wheat gluten			0.05	
		Wheat starch			0.026	
	CF 1212	Wheat, whole meal flour			0.071	
		Whole grain bread			0.05	

^a On the basis of the information provided to the JMPR it was concluded that the estimated acute dietary exposure to residues of mefenftrifluconazole for the consumption of commodities from the subgroups of Leafy greens and Leaves of Brassicaceae may present a public health concern.

Definition of the residue for compliance with the MRL and dietary risk assessment for plant commodities: Mefenftrifluconazole.

Definition of the residue for compliance with the MRL for animal commodities: Mefenftrifluconazole (free and conjugated).

Definition of the residue for dietary risk assessment for animal commodities: Sum of mefenftrifluconazole (free and conjugated) + 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]propane-1,2-diol (M750F022), free and conjugated, expressed as mefenftrifluconazole equivalents. The molecular weight conversion factor to express M750F022 in mefenftrifluconazole equivalents = 1.15.

The residue is fat soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
METALAXYL (138)						
Metalaxyl (138) ADI: 0–0.08 mg/kg bw ARfD: 0.5 mg/kg bw	FI 0353	Pineapple	0.1 (M)		0.026	0.078
	DV 0604	Ginseng, dried including red ginseng	0.06 (*) (MM)		0.06	0.06
<p><u>Residue data that was the basis for the estimation:</u> Metalaxyl (M), metalaxyl-M (MM).</p> <p><u>Definition of the residue for compliance with the MRL for plant commodities:</u> Metalaxyl (sum of enantiomers).</p> <p><u>Definition of the residue for dietary risk assessment in plant commodities:</u> Metalaxyl (sum of enantiomers) and N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (M8; free and conjugated; sum of enantiomers), expressed as metalaxyl.</p> <p><u>Definition of the residue for compliance with the MRL in animal commodities:</u> Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M3 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.</p> <p><u>Definition of the residue for dietary risk assessment in animal commodities:</u> Sum of metalaxyl (sum of enantiomers) and metabolites (free + conjugated) M1 (N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine), M3 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine methyl ester), M6 (N-(2,6-dimethylphenyl)-N-(hydroxyacetyl)alanine), M7 (N-(2,6-dimethyl-5-hydroxyphenyl)-N-(methoxyacetyl)alanine methyl ester) and M8 (N-(2-hydroxymethyl-6-methylphenyl)-N-(methoxyacetyl)alanine methyl ester (sum of enantiomers), expressed as metalaxyl.</p> <p>The residue is not fat-soluble.</p>						
METHIDATHION (051)						
Methidathion (051)** ADI: 0–0.002 mg/kg bw ARfD: 0.01 mg/kg bw	FC 0226	Apple	W	0.5		
	FS 0013	Cherries, Subgroup of	W	0.2		
	FB 0269	Grapes	W	1		
	FC 0206	Mandarins (including mandarin like hybrids), Subgroup of	W	5		
	FP 0230	Pear	W	1		
	DT 1114	Tea, green, black (black, fermented and dried)	W	0.5		
<p><u>Definition of the residue for compliance with the MRL for plant commodities:</u> Methidathion.</p> <p><u>Definition of the residue for long-term dietary exposure assessment for plant commodities:</u> Sum of methidathion, S-2,3,- dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O-methyl phosphorodithioate and 2,3-dihydro-5-methoxy-1,3,4-thiadiazol-2-one (free and conjugate), and 4x S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphorothioate, expressed as methidathion.</p> <p><u>Definition of the residue for acute dietary exposure assessment for plant commodities:</u> sum of methidathion and 4x S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphorothioate, expressed as methidathion.</p> <p>The Meeting was unable to reach a conclusion on the residue definitions for compliance with the MRL and dietary risk assessment for animal commodities.</p> <p>The residue is not fat soluble.</p>						
PYRIDATE (315)						
Pyridate (315)* ADI: 0–0.2 mg/kg bw ARfD: 2 mg/kg bw						
<p><u>Definition of the residue for compliance with the MRL for plant and animal commodities:</u> Sum of pyridate and 6-chloro-4-hydroxy-3-phenylpyridazine (pyridafol) (incl. conjugates), expressed as pyridate.</p> <p>The Meeting was unable to reach a conclusion on the residue definitions for dietary risk assessment for plant and animal commodities.</p> <p>The residue is not fat-soluble.</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
QUINCLORAC (287)						
Quinclorac (287) ADI: 0–0.4 mg/kg bw ARfD: 2 mg/kg bw	FB 0265	Cranberries	1.5	1.5	0.375	0.88
	SO 0495	Rape seeds	0.15	0.15	0.64 (Median: 0.017 for feed calc.)	
	OR 0495	Rape seed oil, edible			0.70	
<p>Definition of the residue for compliance with the MRL for plant commodities: Quinclorac plus quinclorac conjugates</p> <p>Definition of the residue for dietary risk assessment for plant commodities: Quinclorac plus quinclorac conjugates plus quinclorac methyl ester expressed as quinclorac.</p> <p>Definition of the residue for compliance with the MRL and dietary risk assessment for animal commodities: Quinclorac plus quinclorac conjugates.</p> <p>The residue is fat-soluble.</p>						
QUINTOZENE (064)						
Quintozene (064)** ADI: 0–0.01 mg/kg bw ARfD: Unnecessary	GC 0640	Barley	W	0.01 (*)		
	AS 0640	Barley straw and fodder, dry	W	0.01(*)		
	VB 0400	Broccoli	W	0.05		
	VB 0041	Cabbages, head	W	0.1		
	PM 0840	Chicken meat	W	0.1 (*) fat		
	PO 084-	Chicken, Edible offal of	W	0.1 (*)		
	VD 0526	Common bean (dry)	W	0.02		
	VP 0526	Common bean (pods and/or immature seeds)	W	0.1		
	SO 0691	Cotton seed	W	0.01		
	PE 0112	Eggs	W	0.03 (*)		
	GC 0645	Maize	W	0.01 (*)		
	AS 0645	Maize fodder (dry)	W	0.01		
	AL 0072	Pea hay or pea fodder (dry)	W	0.05		
	SO 0697	Peanut	W	0.5		
	VD 0072	Peas (dry)	W	0.01		
	HS 0444	Peppers Chili, dried	W	0.1		
	VO 0445	Peppers, Sweet (including pimento or pimiento)	W	0.05 (*)		
	HS 0191	Spices, Fruits and Berries	W	0.02		
	HS 0193	Spices, Roots and Rhizomes	W	2		
	HS 0190	Spices, seeds	W	0.1		
VD 0541	Soya bean (dry)	W	0.01 (*)			
VR 0598	Sugar beet	W	0.01 (*)			
VO 0448	Tomato	W	0.02			
CG 0654	Wheat	W	0.01			
AS 0654	Wheat straw and fodder, dry	W	0.03			
<p>Definition of the residue for compliance with the MRL for plant commodities: Quintozene.</p> <p>The Meeting was unable to reach a conclusion on the residue definition for dietary risk assessment in plant commodities.</p> <p>The Meeting was unable to reach a conclusion on the residue definition for compliance with the MRL or dietary risk assessment for animal commodities</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
SPIROMESIFEN (294)						
Spiromesifen (294) ADI: 0–0.03 mg/kg bw ARfD: Unnecessary	FC 0004	Oranges, sweet, sour, Subgroup of	0.15		0.043	
	FI 0345	Mango	0.5		0.024	
	FI 0350	Papaya	0.7		0.13	
	VP 0061	Beans with pods (Phaseolus spp.) immature pods and succulent seeds)	0.5		0.16	
	VP 0062	Beans without pods (Phaseolus spp.) (succulent seeds)	0.15(*)		0.12(*)	
	VD 2065	Dry beans, Subgroup of	0.03(*)		0.024	
	OR 0004	Orange oil, edible	30		8.6	
	MM 0095	Meat (from mammals other than marine mammals)	0.15	0.15	0.01	
	ML 0106	Milks	0.015	0.015	0.0021	
	ML 0100	Mammalian fats (except milk fats	0.15	0.15	0.017	
	MO 0105	Edible offal(mammalian)	0.3	0.3	0.055	
	PO 0111	Poultry, edible offal	0.05	0.05	0.05	
	PF 0111	Poultry, fats	0.02	0.02	0.01	
	PM 0110	Poultry, meat	0.02	0.02	0.01	
	PE 0112	Eggs	0.02	0.02	0.01	
	OC 0541	Soya bean oil, crude	0.03*		0.006	
	AB 0001	Citrus pulp, dried	0.3		0.086	
AL 3538	Soya bean, hulls	0.03*		0.03		
AL 3539	Soya bean meal	0.03*		0.005		
<p><u>Definition of the residue for compliance with the MRL for plant and animal commodities and for dietary risk assessment for animal commodities:</u> Sum of spiromesifen and spiromesifen-enol, expressed as spiromesifen.</p> <p><u>Definition of the residue for dietary risk assessment for plant commodities:</u> Sum of spiromesifen, spiromesifen-enol and 4-hydroxymethyl-spiromesifen-enol (free and conjugated), expressed as spiromesifen.</p> <p>The residue is fat-soluble.</p>						
SULFOXAFLOR(252)						
Sulfoxaflor(252) ADI: 0–0.05 mg/kg bw ARfD: 0.3 mg/kg bw	VS 0620	Globe artichoke	0.9		0.245	0.45
	SO 2091	Sunflower seeds, Subgroup of	0.4		0.047	
	OR 0702	Sunflower seed oil, edible	--	--	0.033	--
<p><u>Definition of the residue for compliance with the MRL and for dietary risk assessment for plant and animal commodities:</u> Sulfoxaflor.</p> <p>The residue is not fat-soluble.</p>						

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
TETRANILIPROLE (324)						
Tetraniliprole (324)* ADI: 0–2 mg/kg bw ARfD: Unnecessary	AM 0660	Almond hulls	4 (dw)	-	Median: 0.80 (ar)	
	VB 0041	Cabbages, head	2	-	0.012, Median: 0.135	Highest: 1.2
	AS 3304	Cereal grains (including pseudocereals) feed products with low water (<20 percent) content (hay and/or straw) Subgroup of, excluding rice, maize/field corn, and sweet corn)	0.2 (dw)	-	Median: 0.01 (ar)	Highest: 0.14 (ar)
	FS 0013	Cherries, Subgroup of	1.5	-	0.29	
	MO 0105	Edible offal (Mammalian)	1	-	0.10 (kidney) 0.43 (liver)	
	PE 0112	Eggs	0.01*	-	0	
	VB 0042	Flowerhead Brassicas, Subgroup of	0.5	-	0.145	
	VO 0050	Fruiting vegetables, other than cucurbits, Group of, excluding okra, martynia and roselle	0.4	-	0.075	
	VL 0054	Leaves of Brassicaceae, Subgroup of	15	-	4	
	FC 0002	Lemons and limes (including Citron), Subgroup of	1.5	-	0.19	
	GC 2091	Maize cereals, Subgroup of	0.015	-	0.01	
	AS 3558	Maize stover	30 (dw)		Median: 2.5 (ar)	Highest: 17 (ar)
	MF 0100	Mammalian fats (except milk fats)	0.15	-	0.26	
	FC 0003	Mandarins (including Mandarin-like hybrids), Subgroup of	1	-	0.185	
	MM 0095	Meat (from mammals other than marine mammals)	0.1	-	0.047 (muscle) 0.26 (fat)	
	ML 0106	Milks	0.15	-	0.12	
	FC 0004	Oranges, sweet, sour (including orange-like hybrids), Subgroup of	0.5	-	0.015#	
	FS 2001	Peaches (including nectarines and apricots), Subgroup of	0.7	-	0.089	
	FS 0014	Plums, Subgroup of	0.3	-	0.033	
	FP 0009	Pome fruits, Group of, excluding Japanese persimmon	0.4	-	0.13	
	PO 0111	Poultry, edible offal	0.01*	-	0	
	PF 0111	Poultry, fats	0.01*	-	0	
	PM 0110	Poultry, meat	0.01*	-	0 (muscle) 0 (fat)	
AL 3301	Products of legume feeds with low water (<20 percent) content (hay), Subgroup of	0.3 (dw)	-	Median: 0.01 (ar)	Highest: 0.22 (ar)	
FC 0005	Pummelos and grapefruits (including Shaddock-like hybrids, among other grapefruit), Subgroup of	0.9	-	0.091		
GC 2088	Rice cereals, Subgroup of	0.02	-	0.01		

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
	CM 0649	Rice, husked	0.01*	-	0.01	
	CM 1205	Rice, polished	0.01*	-	0.01	
	AS 0649	Rice, hay and/or straw	20 (dw)	-	Median: 2.8 (ar)	Highest: 8.2 (ar)
	FB 2008	Small fruit vine climbing, Subgroup of	1.5	-	0.275	
	VD 0541	Soya bean (dry)	0.2	-	0.026	
	GC 0447	Sweet Corn (corn-on-the-cob)	0.01*	-	0.01	
	TN 0085	Tree nuts, Group of	0.03	-	0.01	
	VR 2071	Tuberous and corm vegetables, Subgroup of	0.02	-	0.01	
	HS 0444	Peppers, Chili, dried	4	-	0.75	
	DF 0269	Grape, dried (=currants, raisins, and sultanas)	2	-	0.35	
	OR 0004	Orange oil, edible	5	-	1.27	
	DF 0014	Prune, dried	1.5	-	0.125	
	DM 0448	Tomato paste	1.5	-	0.39	
	CF 1255	Maize flour	-	-	0.012	
	CF 0645	Maize, meal	--	-	0.011	
	-	Maize grits	-	-	0.01	
	-	Maize starch	-	-	0.01	
	OR 0645	Maize, refined bleached deodorized oil	-	-	0.01	
	JF 0009	Group of pome Fruit, juices	-	-	0.065	
	-	Group of pome Fruit, sauce	-	-	0.01	
	DF 0009	Group of pome Fruit, dried	-	-	0.01	
	JF 0269	Grape, juice	-	-	0.067	
	-	Grape, wine	-	-	0.14	
	-	Grape, must	-	-	0.16	
	JF 0004	Orange, juice	-	-	0.01	
	-	Orange, marmalade	-	-	0.01	
	-	Orange, peeled	-	-	0.015	
	HS 3382	Orange, peel	-	-	0.39	
	-	Potato, crisps	-	-	0.01	

(ar) – as received

(dw) – dry weight

#STMR for flesh only based on 0.14 mg/kg x PF of 0.11

Definition of the residue for compliance with the MRL for plant commodities: Tetraniliprole.

Definition of the residue for dietary risk assessment for plant commodities: Tetraniliprole + tetraniliprole-N-methyl-quinazolinone, expressed as tetraniliprole.

Definition of the residue for compliance with the MRL for animal commodities: Tetraniliprole.

Definition of the residue for dietary risk assessment for animal commodities: Tetraniliprole + tetraniliprole-N-methyl-quinazolinone + tetraniliprole-benzylalcohol, expressed as tetraniliprole.

The residue is not fat-soluble.

	CCN	Commodity	Recommended Maximum residue level (mg/kg)		STMR or STMR-P (mg/kg)	HR or HR-P (mg/kg)
			New	Previous		
TRIFLUMURON (317)						
Triflumuron (317) ADI: 0–0.008 mg/kg bw ARfD: Unnecessary 4-trifluoromethoxyaniline (metabolite M07) ADI: 0-0.02 mg/kg bw ARfD: 0.02 mg/kg bw	VD 0541	Soya bean (dry)	0.1		0.043 (triflumuron+M02) 0.020 (M07)	
	ML 0106	Milks	0.01(*)		0	
	MO 0105	Edible offal (mammalian)	0.05(*)		0.05	
	MM 0095	Meat (from mammals other than marine mammals)	0.1(*) (fat)		0.1	
	MF 0100	Mammalian fats (except milk fats)	0.1(*)		0.1	
	OR 0541	Soya bean oil, refined			0.0043 (triflumuron+M02) 0.0020 (M07)	
<p><u>Definition of the residue for compliance with the MRL for plant and animal commodities:</u> Triflumuron.</p> <p><u>Definition of the residue for dietary risk assessment for plant commodities:</u> Sum of triflumuron and 2-chlorobenzoic acid (M02), expressed as triflumuron and 4-trifluoromethoxyaniline (M07) assessed separately.</p> <p><u>Definition of the residue for dietary risk assessment for animal commodities:</u> Triflumuron.</p> <p>The residue is fat-soluble.</p>						