

WORKING DOCUMENT

SANTE/10154/2018

[Annex II-1]

Pesticide residues and maximum residue levels (mg/kg)

Code number	Groups and examples of individual products to which the MRLs apply (a)	Bromuconazole (sum of diastereoisomers) (F)	Carboxin (carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin)	Fenpyrazamine (F)	Pyridaben (F)
0100000	FRUITS, FRESH or FROZEN; TREE NUTS	0.01*			
0110000	Citrus fruits		0.03*	0.01*	0.3
0110010	Grapefruits				
0110020	Oranges				
0110030	Lemons				
0110040	Limes				
0110050	Mandarins				
0110990	Others (2)				
0120000	Tree nuts		0.05*	0.01*	0.01*
0120010	Almonds			(+)	
0120020	Brazil nuts				
0120030	Cashew nuts				
0120040	Chestnuts				
0120050	Coconuts				
0120060	Hazelnuts/cobnuts				
0120070	Macadamias				
0120080	Pecans				
0120090	Pine nut kernels				
0120100	Pistachios				
0120110	Walnuts				
0120990	Others (2)				
0130000	Pome fruits		0.03*	0.01*	0.9
0130010	Apples				(+)
0130020	Pears				(+)
0130030	Quinces				(+)
0130040	Medlars				(+)
0130050	Loquats/Japanese medlars				(+)
0130990	Others (2)				
0140000	Stone fruits		0.03*		
0140010	Apricots			5	0.3 (+)
0140020	Cherries (sweet)			4	0.01*
0140030	Peaches			5	0.3 (+)
0140040	Plums			3	0.01*
0140990	Others (2)			0.01*	0.01*
0150000	Berries and small fruits		0.03*		
0151000	(a) grapes			3	0.01*
0151010	Table grapes				
0151020	Wine grapes				
0152000	(b) strawberries			3	0.9
0153000	(c) cane fruits			5	0.01*
0153010	Blackberries				
0153020	Dewberries				
0153030	Raspberries (red and yellow)				
0153990	Others (2)				
0154000	(d) other small fruits and berries				0.01*
0154010	Blueberries			4	
0154020	Cranberries			0.01*	
0154030	Currants (black, red and white)			0.01*	
0154040	Gooseberries (green, red and yellow)			0.01*	
0154050	Rose hips			0.01*	
0154060	Mulberries (black and white)			0.01*	
0154070	Azaroles/Mediterranean medlars			0.01*	
0154080	Elderberries			0.01*	
0154990	Others (2)			0.01*	
0160000	Miscellaneous fruits with		0.03*	0.01*	0.01*
0161000	(a) edible peel				
0161010	Dates				
0161020	Figs				
0161030	Table olives				
0161040	Kumquats				
0161050	Carambolas				
0161060	Kaki/Japanese persimmons				
0161070	Jambuls/jambolans				
0161990	Others (2)				
0162000	(b) inedible peel, small				
0162010	Kiwi fruits (green, red, yellow)				
0162020	Litchis/lychees				
0162030	Passionfruits/maracujas				
0162040	Prickly pears/cactus fruits				
0162050	Star apples/cainitos				
0162060	American persimmons/Virginia kaki				
0162990	Others (2)				
0163000	(c) inedible peel, large				
0163010	Avocados				
0163020	Bananas				
0163030	Mangoes				
0163040	Papayas				
0163050	Granate apples/pomegranates				
0163060	Cherimoyas				
0163070	Guavas				
0163080	Pineapples				
0163090	Breadfruits				
0163100	Durians				
0163110	Soursops/guanabanas				
0163990	Others (2)				
0200000	VEGETABLES, FRESH or FROZEN				
0210000	Root and tuber vegetables	0.01*	0.03*	0.01*	0.01*
0211000	(a) potatoes				
0212000	(b) tropical root and tuber vegetables				

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0212010 0212020 0212030 0212040 0212990	Cassava roots/manioc Sweet potatoes Yams Arrowroots Others (2)				
0213000	(c) other root and tuber vegetables except sugar beets				
0213010 0213020 0213030 0213040 0213050 0213060 0213070 0213080 0213090 0213100 0213110 0213990	Beetroots Carrots Celeriacs/turnip rooted celeries Horseradishes Jerusalem artichokes Parsnips Parsley roots/Hamburg roots parsley Radishes Salsifies Swedes/rutabagas Turnips Others (2)				
0220000	Bulb vegetables	0.01*	0.03*	0.01*	0.01*
0220010 0220020 0220030 0220040 0220990	Garlic Onions Shallots Spring onions/green onions and Welsh onions Others (2)				
0230000	Fruiting vegetables	0.01*	0.03*		
0231000	(a) Solanaceae and Malvaceae				
0231010 0231020 0231030 0231040 0231990	Tomatoes Sweet peppers/bell peppers Aubergines/eggplants Okra/lady's fingers Others (2)			3 3 3 0.01* 0.01*	0.05* (+) 0.01* 0.05* (+) 0.01* 0.01*
0232000	(b) cucurbits with edible peel			0.7	0.15
0232010 0232020 0232030 0232990	Cucumbers Gherkins Courgettes Others (2)				
0233000	(c) cucurbits with inedible peel			0.01*	0.01*
0233010 0233020 0233030 0233990	Melons Pumpkins Watermelons Others (2)				
0234000	(d) sweet corn			0.01*	0.01*
0239000	(e) other fruiting vegetables			0.01*	0.01*
0240000	Brassica vegetables (excluding brassica roots and brassica baby leaf crops)	0.01*	0.03*	0.01*	0.01*
0241000	(a) flowering brassica				
0241010 0241020 0241990	Broccoli Cauliflowers Others (2)				
0242000	(b) head brassica				
0242010 0242020 0242990	Brussels sprouts Head cabbages Others (2)				
0243000	(c) leafy brassica				
0243010 0243020 0243990	Chinese cabbages/pe-tsai Kales Others (2)				
0244000	(d) kohlrabies				
0250000	Leaf vegetables, herbs and edible flowers				
0251000	(a) lettuces and salad plants	0.01*	0.03*		0.01*
0251010 0251020 0251030 0251040 0251050 0251060 0251070 0251080 0251990	Lamb's lettuces/corn salads Lettuces Escaroles/broad-leaved endives Cresses and other sprouts and shoots Land cresses Roman rocket/rucola Red mustards Baby leaf crops (including brassica species) Others (2)			8 8 4 8 8 8 8 0.01* 0.01*	
0252000	(b) spinaches and similar leaves	0.01*	0.03*	8	0.01*
0252010 0252020 0252030 0252990	Spinaches Purslanes Chards/beet leaves Others (2)				
0253000	(c) grape leaves and similar species	0.01*	0.03*	0.01*	0.01*
0254000	(d) watercresses	0.01*	0.03*	0.01*	0.01*
0255000	(e) witloofs/Belgian endives	0.01*	0.03*	0.01*	0.01*
0256000	(f) herbs and edible flowers	0.02*	0.06*	0.02*	0.02*
0256010 0256020 0256030 0256040 0256050 0256060 0256070 0256080 0256090 0256100 0256990	Chervil Chives Celery leaves Parsley Sage Rosemary Thyme Basil and edible flowers Laurel/bay leaves Tarragon Others (2)				

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0260000	Legume vegetables	0.01*	0.03*	0.01*	
0260010	Beans (with pods)				0.2 (+)
0260020	Beans (without pods)				0.01*
0260030	Peas (with pods)				0.01*
0260040	Peas (without pods)				0.01*
0260050	Lentils				0.01*
0260990	Others (2)				0.01*
0270000	Stem vegetables	0.01*	0.03*	0.01*	0.01*
0270010	Asparagus				
0270020	Cardoons				
0270030	Celeries				
0270040	Florence fennels				
0270050	Globe artichokes				
0270060	Leeks				
0270070	Rhubarbs				
0270080	Bamboo shoots				
0270090	Palm hearts				
0270990	Others (2)				
0280000	Fungi, mosses and lichens	0.01*	0.03*	0.01*	0.01*
0280010	Cultivated fungi				
0280020	Wild fungi				
0280990	Mosses and lichens				
0290000	Algae and prokaryotes organisms	0.01*	0.03*	0.01*	0.01*
0300000	PULSES	0.01*	0.03*	0.01*	0.01*
0300010	Beans				
0300020	Lentils				
0300030	Peas				
0300040	Lupins/lupini beans				
0300990	Others (2)				
0400000	OILSEEDS AND OIL FRUITS	0.01*	0.05*	0.01*	0.01*
0401000	Oilseeds				
0401010	Linseeds				
0401020	Peanuts/groundnuts				
0401030	Poppy seeds				
0401040	Sesame seeds				
0401050	Sunflower seeds				
0401060	Rapeseeds/canola seeds				
0401070	Soyabeans				
0401080	Mustard seeds				
0401090	Cotton seeds				
0401100	Pumpkin seeds				
0401110	Safflower seeds				
0401120	Borage seeds				
0401130	Gold of pleasure seeds				
0401140	Hemp seeds				
0401150	Castor beans				
0401990	Others (2)				
0402000	Oil fruits				
0402010	Olives for oil production				
0402020	Oil palms kernels				
0402030	Oil palms fruits				
0402040	Kapok				
0402990	Others (2)				
0500000	CEREALS		0.03*	0.01*	0.01*
0500010	Barley	0.01*			
0500020	Buckwheat and other pseudocereals	0.01*			
0500030	Maize/corn	0.01*			
0500040	Common millet/proso millet	0.01*			
0500050	Oat	0.01*			
0500060	Rice	0.01*			
0500070	Rye	0.03 (+)			
0500080	Sorghum	0.01*			
0500090	Wheat	0.2 (+)			
0500990	Others (2)	0.01*			
0600000	TEAS, COFFEE, HERBAL INFUSIONS, COCOA AND CAROBS	0.05*	0.1*	0.05*	0.05*
0610000	Teas				
0620000	Coffee beans				
0630000	Herbal infusions from				
0631000	(a) flowers				
0631010	Chamomile				
0631020	Hibiscus/roselle				
0631030	Rose				
0631040	Jasmine				
0631050	Lime/linden				
0631990	Others (2)				
0632000	(b) leaves and herbs				
0632010	Strawberry				
0632020	Rooibos				
0632030	Mate/maté				
0632990	Others (2)				
0633000	(c) roots				
0633010	Valerian				
0633020	Ginseng				
0633990	Others (2)				
0639000	(d) any other parts of the plant				
0640000	Cocoa beans				
0650000	Carobs/Saint John's breads				
0700000	HOPS	0.05*	0.1*	0.05*	0.05*
0800000	SPICES				

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0810000	Seed spices	0.05*	0.1*	0.05*	0.05*
0810010	Anise/aniseed				
0810020	Black caraway/black cumin				
0810030	Celery				
0810040	Coriander				
0810050	Cumin				
0810060	Dill				
0810070	Fennel				
0810080	Fenugreek				
0810090	Nutmeg				
0810990	Others (2)				
0820000	Fruit spices	0.05*	0.1*	0.05*	0.05*
0820010	Allspice/pimento				
0820020	Sichuan pepper				
0820030	Caraway				
0820040	Cardamom				
0820050	Juniper berry				
0820060	Peppercorn (black, green and white)				
0820070	Vanilla				
0820080	Tamarind				
0820990	Others (2)				
0830000	Bark spices	0.05*	0.1*	0.05*	0.05*
0830010	Cinnamon				
0830990	Others (2)				
0840000	Root and rhizome spices				
0840010	Liquorice	0.05*	0.1*	0.05*	0.05*
0840020	Ginger (10)	0.05* (+)	0.1* (+)	0.05* (+)	0.05* (+)
0840030	Turmeric/curcuma	0.05*	0.1*	0.05*	0.05*
0840040	Horseradish (11)	(+)	(+)	(+)	(+)
0840990	Others (2)	0.05*	0.1*	0.05*	0.05*
0850000	Bud spices	0.05*	0.1*	0.05*	0.05*
0850010	Cloves				
0850020	Capers				
0850990	Others (2)				
0860000	Flower pistil spices	0.05*	0.1*	0.05*	0.05*
0860010	Saffron				
0860990	Others (2)				
0870000	Aril spices	0.05*	0.1*	0.05*	0.05*
0870010	Mace				
0870990	Others (2)				
0900000	SUGAR PLANTS	0.01*	0.03*	0.01*	0.01*
0900010	Sugar beet roots				
0900020	Sugar canes				
0900030	Chicory roots				
0900990	Others (2)				
1000000	PRODUCTS OF ANIMAL ORIGIN -TERRESTRIAL ANIMALS				
1010000	Commodities from	0.02*	0.03*	0.01*	0.05*
1011000	(a) swine				
1011010	Muscle				
1011020	Fat				
1011030	Liver				
1011040	Kidney				
1011050	Edible offals (other than liver and kidney)				
1011990	Others (2)				
1012000	(b) bovine				
1012010	Muscle	(+)			(+)
1012020	Fat	(+)			(+)
1012030	Liver	(+)			(+)
1012040	Kidney	(+)			(+)
1012050	Edible offals (other than liver and kidney)				
1012990	Others (2)				
1013000	(c) sheep				
1013010	Muscle	(+)			(+)
1013020	Fat	(+)			(+)
1013030	Liver	(+)			(+)
1013040	Kidney	(+)			(+)
1013050	Edible offals (other than liver and kidney)				
1013990	Others (2)				
1014000	d) goat				
1014010	Muscle	(+)			(+)
1014020	Fat	(+)			(+)
1014030	Liver	(+)			(+)
1014040	Kidney	(+)			(+)
1014050	Edible offals (other than liver and kidney)				
1014990	Others (2)				
1015000	(e) equine				
1015010	Muscle	(+)			(+)
1015020	Fat	(+)			(+)
1015030	Liver	(+)			(+)
1015040	Kidney	(+)			(+)
1015050	Edible offals (other than liver and kidney)				
1015990	Others (2)				
1016000	(f) poultry				
1016010	Muscle	(+)			
1016020	Fat	(+)			
1016030	Liver	(+)			
1016040	Kidney				
1016050	Edible offals (other than liver and kidney)				
1016990	Others (2)				

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1017000	(g) other farmed terrestrial animals				
1017010	Muscle				
1017020	Fat				
1017030	Liver				
1017040	Kidney				
1017050	Edible offals (other than liver and kidney)				
1017990	Others (2)				
1020000	Milk	0.01*	0.03*	0.01*	0.01*
1020010	Cattle	(+)			(+)
1020020	Sheep	(+)			(+)
1020030	Goat	(+)			(+)
1020040	Horse	(+)			(+)
1020990	Others (2)				
1030000	Birds eggs	0.02* (+)	0.03*	0.01*	0.01*
1030010	Chicken				
1030020	Duck				
1030030	Geese				
1030040	Quail				
1030990	Others (2)				
1040000	Honey and other apiculture products (7)	0.05*	0.05*	0.05*	0.05*
1050000	Amphibians and Reptiles	0.02*	0.03*	0.01*	0.05*
1060000	Terrestrial invertebrate animals	0.02*	0.03*	0.01*	0.05*
1070000	Wild terrestrial vertebrate animals	0.02*	0.03*	0.01*	0.05*
1100000	PRODUCTS OF ANIMAL ORIGIN - FISH, FISHPRODUCTS AND ANY OTHER MARINE AND FRESHWATER FOOD PRODUCTS (8)				
1200000	PRODUCTS OR PART OF PRODUCTS EXCLUSIVELY USED FOR ANIMAL FEED PRODUCTION (8)				
1300000	PROCESSED FOOD PRODUCTS (9)				

(*) Limit of analytical determination

(a) For the complete list of products of plant and animal origin to which MRLs apply, reference should be made to Annex I.

(F) = Fat soluble

Bromuconazole (sum of diastereoisomers) (F)

(+) The European Food Safety Authority identified some information on residue trials, on crop metabolism, on metabolism in rotational crops and livestock metabolism, including data relating to triazole derivative metabolites (TDMs) thereof, as unavailable. When re-viewing the MRL, the Commission will take into account the information referred to in the first sentence, if it is submitted by [Office of Publication: please insert date 2 years after publication], or, if that information is not submitted by that date, the lack of it.

0500070 Rye

0500090 Wheat

(+) As from 1 January 2020, the applicable maximum residue level for ginger (Zingiber officinale) in the spice group (code 0840020) is the one set for ginger roots (Zingiber officinale) in the Part B of the Annex 1 (code 0213040-006, equal to the one of horseradish (Armoracia rusticana) code 0213040), taking into account changes in the levels by processing (drying), according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840020 Ginger (10)

(+) The applicable maximum residue level for horseradish (Armoracia rusticana) in the spice group (code 0840040) is the one set for horseradish (Armoracia rusticana) in the Vegetables category, root and tuber vegetables group (code 0213040) taking into account changes in the levels by processing (drying) according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840040 Horseradish (11)

(+) European Food Safety Authority identified some information on livestock metabolism, including data relating to triazole derivative metabolites (TDMs) thereof, and feeding studies as unavailable. When re-viewing the MRL, the Commission will take into account the information referred to in the first sentence, if it is submitted by [Office of Publication: please insert date 2 years after publication], or, if that information is not submitted by that date, the lack of it.

1012010 Muscle

1012020 Fat

1012030 Liver

1012040 Kidney

1013010 Muscle

1013020 Fat

1013030 Liver

1013040 Kidney

1014010 Muscle

1014020 Fat

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1014030	Liver				
1014040	Kidney				
1015010	Muscle				
1015020	Fat				
1015030	Liver				
1015040	Kidney				
1016010	Muscle				
1016020	Fat				
1016030	Liver				
1020010	Cattle				
1020020	Sheep				
1020030	Goat				
1020040	Horse				
1030000	Birds eggs				
1030010	Chicken				
1030020	Duck				
1030030	Geese				
1030040	Quail				
1030990	Others (2)				

Carboxin (carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin)

(+) As from 1 January 2020, the applicable maximum residue level for ginger (Zingiber officinale) in the spice group (code 0840020) is the one set for ginger roots (Zingiber officinale) in the Part B of the Annex 1 (code 0213040-006, equal to the one of horseradish (Armoracia rusticana) code 0213040), taking into account changes in the levels by processing (drying), according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840020 Ginger (10)

(+) The applicable maximum residue level for horseradish (Armoracia rusticana) in the spice group (code 0840040) is the one set for horseradish (Armoracia rusticana) in the Vegetables category, root and tuber vegetables group (code 0213040) taking into account changes in the levels by processing (drying) according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840040 Horseradish (11)

Fenpyrazamine (F)

(+) The European Food Safety Authority identified some information on storage stability as unavailable. When re-viewing the MRL, the Commission will take into account the information referred to in the first sentence, if it is submitted by [Office of Publication: please insert date 2 years after publication], or, if that information is not submitted by that date, the lack of it.

0120010 Almonds

(+) As from 1 January 2020, the applicable maximum residue level for ginger (Zingiber officinale) in the spice group (code 0840020) is the one set for ginger roots (Zingiber officinale) in the Part B of the Annex 1 (code 0213040-006, equal to the one of horseradish (Armoracia rusticana) code 0213040), taking into account changes in the levels by processing (drying), according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840020 Ginger (10)

(+) The applicable maximum residue level for horseradish (Armoracia rusticana) in the spice group (code 0840040) is the one set for horseradish (Armoracia rusticana) in the Vegetables category, root and tuber vegetables group (code 0213040) taking into account changes in the levels by processing (drying) according to Art. 20 (1) of Regulation (EC) No 396/2005.

0840040 Horseradish (11)

Pyridaben (F)

(+) The European Food Safety Authority identified some information on residue trials as unavailable. When re-viewing the MRL, the Commission will take into account the information referred to in the first sentence, if it is submitted by [Office of Publication: please insert date 2 years after publication], or, if that information is not submitted by that date, the lack of it.

0130010 Apples

0130020 Pears

0130030 Quinces

0130040 Medlars

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0130050	Loquats/Japanese medlars				
0140010	Apricots				
0140030	Peaches				
0231010	Tomatoes				
0231030	Aubergines/eggplants				
0260010	Beans (with pods)				
(+)	As from 1 January 2020, the applicable maximum residue level for ginger (Zingiber officinale) in the spice group (code 0840020) is the one set for ginger roots (Zingiber officinale) in the Part B of the Annex 1 (code 0213040-006, equal to the one of horseradish (Armoracia rusticana) code 0213040), taking into account changes in the levels by processing (drying), according to Art. 20 (1) of Regulation (EC) No 396/2005.				
0840020	Ginger (10)				
(+)	The applicable maximum residue level for horseradish (Armoracia rusticana) in the spice group (code 0840040) is the one set for horseradish (Armoracia rusticana) in the Vegetables category, root and tuber vegetables group (code 0213040) taking into account changes in the levels by processing (drying) according to Art. 20 (1) of Regulation (EC) No 396/2005.				
0840040	Horseradish (11)				
(+)	The European Food Safety Authority identified some information on storage stability, feeding studies and analytical methods as unavailable. When re-viewing the MRL, the Commission will take into account the information referred to in the first sentence, if it is submitted by [Office of Publication: please insert date 2 years after publication], or, if that information is not submitted by that date, the lack of it.				
1012010	Muscle				
1012020	Fat				
1012030	Liver				
1012040	Kidney				
1013010	Muscle				
1013020	Fat				
1013030	Liver				
1013040	Kidney				
1014010	Muscle				
1014020	Fat				
1014030	Liver				
1014040	Kidney				
1015010	Muscle				
1015020	Fat				
1015030	Liver				
1015040	Kidney				
1020010	Cattle				
1020020	Sheep				
1020030	Goat				
1020040	Horse				