Maximum residue levels for chloridazon

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EU reduces MRLs for chloridazon to the limit of determination on all products

Commission Regulation (EU) 2023/710 of 30 March 2023 amending Annexes II, III and V to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for bromopropylate, chloridazon, fenpropimorph, imazaquin and tralkoxydim in or on certain products

Update

The European Commission has reduced the MRLs for chloridazon on all products to the limit of determination (LOD, the lowest level that can be detected using the most modern and reliable analytical methods). For many products, the LOD will be significantly decreased.

The changes will affect beetroots, horseradishes, garlic, onions, shallots, leaf vegetables, herbs and edible flowers, stem vegetables, herbal infusions, bark spices, bud spices, sugar beet roots and animal products.

Impacted products

chamomile, hibiscus, rose, jasmine, lime, linden, strawberry, rooibos, maté, cinnamon, cloves, capers, saffron, sugar beet roots, sugar canes, chicory roots, lettuces, lamb's lettuces, escaroles, cresses, sprouts, land cresses, Roman rocket, rucola, red mustards, baby leaf crops, spinaches, purslanes, chards, beet leaves, chervil, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel, tarragon, asparagus, cardoons, celeries, Florence fennels, globe artichoke, leeks, rhubarbs, animal products

What is changing?

The MRLs and LODs for chloridazon have changed as set out in Table 1.

Why?

Chloridazon is no longer permitted for use in the EU. The existing MRLs set out for chloridazon have therefore been deleted.

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Timeline

The new MRLs will apply from 21 October 2023.

Recommended Actions

Suppliers to the EU markets of beetroots, horseradishes, garlic, onions, shallots, lettuces, herbs, asparagus, cardoons, celeries, Florence fennels, globe artichoke, leeks, rhubarb, cinnamon, cloves, capers, saffron, sugar beet roots and animal products currently using chloridazon check that any use of this substance does not result in residues. Where use results in residues, suppliers should seek alternative solutions to chloridazon.

Background

MRLs are set in accordance with the rules set out in Regulation 396/2005. For information on current MRLs for other substances, please consult the EU Pesticide Residues database.

Sources

Commission Regulation (EU) 2023/710

Visit the AGRINFO website to view the latest AGRINFO Update newsletters and search the database.

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Tables & Figures

Table 1
Changes to maximum residue levels for chloridazon

Food category	Products	Chloridazon[1] (mg/kg)	
		Old MRL	New MRL
Fruits, fresh or frozen	Citrus fruits, pome fruits, stone fruits, berries and small fruits	0.1*	0.03*
	Tree nuts	0.1*	0.04*
	Miscellaneous fruits (dates, figs, kumquats, carambolas, kaki/ Japanese persimmons, jambuls/ jambolans, kiwi fruits, litchis/ lychees, passionfruits/ maracujas, prickly pears/ cactus fruits, star apples/ cainitos, bananas, mangoes, papayas, granate, cherimoyas, guavas, pineapples, breadfruits, durians, soursops/ guanabanas	0.1*	0.03*
	Miscellaneous fruits (table olives, avocados)	0.1*	0.04*
Root and tuber vegetables	Potatoes, tropical roots (cassava root/ manioc, sweet potatoes, yams, arrowroots)	0.1*	0.03*
	Beetroots	0.5	0.03*
	Horseradishes	0.3	0.03*
	Other roots and tubers (carrots, celeriacs/ turnip rooted, Jerusalem artichokes, parsnips, parsley roots, radishes, salsifies, swedes/ rutabagas, turnips	0.1*	0.03*
Bulb vegetables	Garlic, onions, shallots	0.3	0.03*
	Spring onions/ green onions	0.1*	0.03*
Fruiting vegetables	Tomatoes, sweet peppers/ bell peppers, aubergines/ eggplants, okra, cucumbers, gherkins, courgettes, melons, pumpkins, watermelons, sweetcorn, other fruiting vegetables	0.1*	0.03*
Brassicas	Broccoli, cauliflowers, Brussels sprouts, head cabbages, leafy brassicas, Chinese cabbages, kales, kohlrabies	0.1*	0.03*
Leaf vegetables, herbs and edible flowers	Lettuces, lamb's lettuces, escaroles, cresses and other sprouts, land cresses, Roman rocket/ rucola, red mustards, baby leaf crops, spinaches, purslanes, chards/ beet leaves, chervil, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel, tarragon	5	0.03*
	Grape leaves, watercresses, witloofs/ Belgian endives	0.1*	0.03*
Legume vegetables	Beans, peas, lentils	0.1*	0.03*
Stem vegetables	Asparagus, cardoons, celeries, Florence fennels, globe artichokes, leeks, rhubarbs	5	0.03
	Bamboo shoots, palm hearts	0.1*	0.03*
Fungi, mosses and lichens	Cultivated fungi, wild fungi, mosses and lichens	0.1*	0.03*
Algae and prokaryotes	Algae and prokaryotes	0.1*	0.03*
Pulses	Beans, lentils, peas, lupins	0.1*	0.03*
			continued

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Table 1
Continued

Food category	Products	Chloridazon[1] (mg/kg)	
		Old MRL	New MRL
Oilseeds and oil fruits	Oilseeds, oil fruits	0.1*	0.04*
Cereals	Barley, buckwheat, maize/ corn, common millet, oat, rice, rye, sorghum, wheat	0.1*	0.03*
Teas, coffees, herbal infusions	Herbal infusions: chamomile, hibiscus, rose, jasmine, lime/ linden, strawberry, rooibos, maté	5	0.1*
Spices	Cinnamon	5	0.1*
	Cloves, capers	5	0.1*
	Saffron	5	0.1*
Sugar plants	Sugar beet roots	0.3	0.03*
	Sugar canes, chicory roots	0.1*	0.03*
Animal products: Swine	Muscle	0.2	0.03*
	Fat	0.2	0.02*
	Liver	0.2	0.2*
	Kidney	0.3	0.1*
	Edible offals	0.3	0.2*
Animal products: Bovine, equine, sheep, goat and other farmed terrestrial	Muscle	0.3	0.03*
	Fat	0.3	0.02*
	Liver	0.3	0.2*
	Kidney	0.4	0.1*
	Edible offals	0.4	0.2*
Animal products: Poultry	Muscle	0.05*	0.03*
	Fat	0.05*	0.02*
	Liver	0.05*	0.2*
	Kidney	0.05*	0.1*
	Edible offals	0.05*	0.2*
Milk	Cattle, sheep, goat, horse	0.3	0.1*
Bird eggs	Chicken, duck, geese, quail	0.05*	0.1*
Honey and other apiculture	Honey and other apiculture	0.1*	0.05*
Amphibians and reptiles	Amphibians and reptiles	0.05*	0.1*
Terrestrial invertebrates	Terrestrial invertebrates	0.05*	0.1*
Wild terrestrial vertebrates	Wild terrestrial vertebrates	0.05*	0.1*

1 Including degradation and reaction products which can be determined as 3-(3-thianyl)glutaric acid S-dioxide (BH 517-TGSO2), including other mixtures of constituent isomers including cycloxydim-M (sum of isomers).
* Limit of determination. Shading indicates a decrease in MRL; decreases in LOD are not shaded.

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