

# Maximum residue levels for fosetyl-Al/phosphonic acid

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## Regulation

Regulation (EU) [2024/2619](#) as regards maximum residue levels for fosetyl, potassium phosphonates and disodium phosphonate in or on certain products

## What is changing and why?

The European Commission has revised the residue definition of “fosetyl-Al” to “phosphonic acid”. This is because fosetyl-Al, potassium phosphonates, and disodium phosphonate all degrade to phosphonic acid. The Commission has set new maximum residue levels (MRLs) under the new definition. Revised MRLs can be found in Table 1.

## Actions

Suppliers of sweetcorn, herbal infusions from flowers, and spices (bark spices, root and rhizome spices, bud spices, flower pistil spices) should review their current use of fosetyl-Al, potassium phosphonates, and disodium phosphonates, and look for possible alternative solutions.

## Timeline

The new MRLs apply from **29 October 2024**.

For more information see the [full record](#) on the AGRINFO website – where you can also view the latest [AGRINFO Update](#) newsletters and [search](#) the database.

## Tables & Figures


Table 1 Maximum residue levels for phosphonic acid and its salts (expressed as phosphonic acid)			
Food category	Products	Old MRL: Fosetyl-Al <sup>[1]</sup>	New MRL: Phosphonic acid
Citrus fruit	Grapefruits, oranges	75	100
	Lemons, limes, mandarins	150	100
Tree nuts	Almonds, chestnuts, hazelnuts/ cobnuts, pistachios, walnuts	1500	1000
	Brazil nuts, cashew nuts, coconuts, macadamias, pecans, pine nut kernels	500	400
Pome fruits	Apples, pears, quinces, medlars, loquats/ Japanese medlars	150	100
Stone fruits	Apricots	2*	60
	Cherries (sweet), plums	2*	8
	Peaches	50	60
Berries and small fruits	Table grapes	100	100
	Wine grapes	200	150
	Strawberries	100	70
	Blackberries, raspberries	300	200
	Dewberries	2*	80
	Blueberries, currants, gooseberries	200	150
	Cranberries, rosehips, mulberries	2*	1.5*
	Azaroles/ Mediterranean medlars	50	50
	Elderberries	80	60
Miscellaneous fruits	Dates, figs, carambolas, jambuls	2*	1.5*
	Table olives	100	80
	Kumquats	2*	3
	Kaki/ Japanese persimmons	50	50
	Kiwi fruits (green, red, yellow)	200	150
	Litchis/ lychees, prickly pears/ cactus fruits, star apples/ cainitos, American persimmons/ Virginia kaki	2*	1.5*
	Passionfruits/ maracujas	2*	20
	Avocados	70	50
	Bananas, mangoes	2*	1.5*
	Papayas	2*	3
	Granate apples/ pomegranates	90	70
	Cherimoyas, guavas, breadfruits, soursops/ guanabanas	2*	1.5*
	Pineapples	50	20
	Durians	2*	2*
<i>Continued ...</i>			
[1] Sum of fosetyl, phosphonic acid and their salts, expressed as fosetyl [Regulation (EU) 2022/1324, Annex IIIA]. * Limit of determination.			
 <a href="http://www.agrinfo.eu">www.agrinfo.eu</a>			

Table 1 Continued			
Food category	Products	Old MRL: Fosetyl-Al <sup>[1]</sup>	New MRL: Phosphonic acid
Root and tuber vegetables	Potatoes	200	150
	Cassava roots/ manioc, sweet potatoes, yams, arrowroots	2*	1.5*
	Beetroots, carrots, Jerusalem artichokes, parsnips, salsifies, swedes, turnips	2*	1.5*
	Celeriacs/ turnip rooted celeries	8	6
	Horseradishes	200	150
	Parsley roots/ Hamburg root parsley	2*	4
	Radishes	25	40
Bulb vegetables	Garlic, shallots	30	20
	Onions	50	40
	Spring onions/ green onions, Welsh onions	30	10
Fruiting vegetables	Tomatoes, aubergines/ eggplants	100	70
	Sweet peppers/ bell peppers	130	70
	Okra/ lady's fingers	2*	1.5*
	Cucumbers	80	80
	Gherkins	75	80
	Courgettes	100	80
	Melons, pumpkins, watermelons	75	60
	Sweet corn	5	1.5*
Brassica vegetables	Broccoli, cauliflowers	70	50
	Brussels sprouts, head cabbages	10	2
	Chinese cabbages/ pe-tsai, kales	30	20
	Kohlrabies	10	5
Leaf vegetables, herbs and edible flowers	Lamb's lettuces/ corn salads, escaroles, cresses, Roman rocket, red mustards, baby leaf crops	75	150
	Lettuces, spinaches	300	200
	Purslanes	2*	100
	Chards/ beet leaves	15	70
	Grape leaves, watercresses	2*	1.5*
	Witloofs/ Belgian endives	75	150
	Chervil, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel/ bay leaves, tarragon	400	300
Legume vegetables	Beans (with and without pods), peas (with and without pods), lentils	2*	1.5*
Stem vegetables	Asparagus, cardoons, celeries, Florence fennels	2*	1.5*
	Globe artichokes	50	100
	Leeks	30	10
	Rhubarbs, bamboo shoots, palm hearts	2*	1.5*
Fungi, mosses and lichens	Cultivated fungi, wild fungi, mosses and lichens, algae and prokaryotes	2*	1.5*
Pulses	Beans, lentils, lupini beans	2*	3
	Peas	2*	4
<i>Continued ...</i>			
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Table 1 Continued			
Food category	Products	Old MRL: Fosetyl-Al <sup>[1]</sup>	New MRL: Phosphonic acid
Oilseeds	Linseeds, poppy seeds, sesame seeds, sunflower seeds, rapeseed/ canola seeds, soyabeans, mustard seeds, cotton seeds, pumpkin seeds, safflower seeds, borage seeds, gold of pleasure seeds, hemp seeds, castor beans	2*	1.5*
Oilseeds and fruits	Peanuts/ groundnuts	2*	3
	Olives for oil production	100	80
	Oil palm kernels, oil palm fruits, kapok	2*	1.5*
Cereals	Barley, maize/ corn, millet, oats, rye, sorghum	2*	1.5*
	Buckwheat	2*	2
	Rice	2*	3
	Wheat	150	80
Teas, coffee beans		5*	20*
Herbal infusions	Herbal infusions from flowers	500	20*
	Herbal infusions from leaves and herbs	2,000	1,500
	Herbal infusions from roots or any other plant parts	500	20*
Cocoa beans, carobs/ Saint John's breads		2*	20*
Hops		2,000	1,500
Spices	Seed and fruit spices	400	300
	Bark spices, root and rhizome spices, bud spices, flower pistil spices, aril spices	400	20*
Sugar plants	Sugar beet roots, sugar canes	2*	1.5*
	Chicory roots	75	70
<i>Continued ...</i>			
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Table 1 Continued			
Food category	Products	Old MRL: Fosetyl-Al <sup>[1]</sup>	New MRL: Phosphonic acid
Animal products			
Commodities from swine	Muscle	0.7	0.5
	Fat	1.5	1.5
	Liver	0.8	0.5
	Kidney	6	7
	Edible offals (other than liver and kidney)	6	7
Commodities from cattle/ sheep/ goats	Muscle	0.7	0.6
	Fat	1.5	2
	Liver	1.5	0.9
	Kidney	8	7
	Edible offals (other than liver and kidney)	8	7
Commodities from equine/ other farmed terrestrial animals	Muscle	0.5*	0.6
	Fat	0.5*	2
	Liver	0.5	0.9
	Kidney	0.5	7
	Edible offals (other than liver and kidney)	0.5	7
Commodities from poultry	Muscle	0.7	0.5
	Fat	0.7	0.5
	Liver	0.7	0.5
	Kidney	0.5*	0.5
	Edible offals (other than liver and kidney)	0.7	0.5
Milk		0.5	0.4
Birds' eggs		0.7	0.5
Honey and other apiculture products		0.5*	100
Amphibians and reptiles		0.5*	0.5*
Terrestrial invertebrate animals		0.5*	0.5*
Wild terrestrial vertebrate animals		0.5*	0.5*
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Based on Regulation (EU) [2024/2619](#)

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