Maximum residue levels for emamectin

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EU aligns MRLs for emamectin on kales, teas, and animal products with Codex standards

Commission Regulation (EU) 2022/1343 of 29 July 2022 amending Annexes II and III to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for acequinocyl, chlorantraniliprole and emamectin in or on certain products

Commission Regulation (EU) 2024/1355 of 21 May 2024 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 benzovindiflupyr, chlorantraniliprole, emamectin, quinclorac, spiromesifen, and triflumuron in or on certain products

Update

The EU has adopted Codex maximum residue levels (MRLs) for emamectin on kales, teas, and animal products. This follows changes to the MRLs for emamectin on specific fruit and vegetables, and reduced MRLs on plums, lettuces and salad plants, herbs, and globe artichokes, that have applied since February 2023.

Impacted products

kales, teas, animal products,

What is changing?

The changes to emamectin MRLs on kales, teas and animal products are set out in Table 1.

The changes to emamectin MRLs that have applied since February 2023 are shown in Table 2.

Why?

On 2 December 2023, the Codex Alimentarius Commission adopted new Codex maximum residue limits (CXLs) for emamectin, for which the European Food Safety Authority (EFSA) did not identify risks to consumers in the EU.

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The MRLs applying from February 2023 are a response to EFSA's (2021) review of existing emamectin MRLs.

Timeline

The new MRLs on kales, teas, and animal products set out in Table 1 apply from 11 June 2024.

The MRLs for emamectin set out in Table 2 (Regulation 2022/1343) apply from 22 February 2023.

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.

Resources

EFSA (2021) Modification of the existing maximum residue levels for emamectin in various crops. EFSA Journal, 19(8): 6824.

EFSA (2023) Scientific support for preparing an EU position in the 54th Session of the Codex Committee on Pesticide Residues (CCPR). EFSA Journal, 21(8): 1–303.

Sources

Commission Regulation (EU) 2022/1343

Commission Regulation (EU) 2024/1355

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Tables & Figures

Table 1
Maximum residue levels for emamectin

Food category	Products	Emamectin (mg/kg)	
		Old MRL	New MRL
Brassica vegetables	Kales	0.03	0.2
Teas		0.01*	0.09
Products of animal origin	Muscle from swine, bovine, sheep, goat, equine and other farmed terrestrial animals	0.004	0.005
	Kidney, liver and edible offals from swine, bovine, sheep, goat, equine and other farmed terrestrial animals	0.08	0.09

* Limit of determination.
Source: based on Commission Regulation (EU) 2024/1355



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Table 2
Maximum residue levels for emamectin

Food category	Products	Emamectin (mg/kg)	
		Old MRL	New MRL
Citrus fruits	Oranges, lemons, mandarins	0.01*	0.003
Stone fruits	Plums	0.02	0.015
Berries and small fruits	Table grapes/ wine grapes	0.05	0.04
Fruiting vegetables	Cucumbers, gherkins, courgettes	0.01*	0.007
	Melons, pumpkins, watermelons	0.01*	0.008
Brassica vegetables	Broccoli, cauliflowers	0.01*	0.003
	Brussels sprouts, head cabbages	0.01*	0.004
	Chinese cabbages, pe-tsai	0.03	0.2
Leaf vegetables	Lamb's lettuces/ corn salads, cresses and other sprouts and shoots, land cresses, Roman rocket/ rucola, red mustards, baby leaf crops	1	0.6
	Lettuces	1	0.2
	Escarole/ broad-leaved endives	0.2	0.15
Watercresses	Watercresses	0.01*	0.6
Herbs and edible flowers	Chervil, chives, celery leaves, parsley, rosemary, thyme, basil and edible flowers, laurel/ bay leaves, tarragon	1	0.2
	Sage	1	0.6
Legume vegetables	Beans (without pods)	0.01*	0.015
Stem vegetables	Globe artichokes	0.1	0.09

* Limit of determination.
Shading indicates a decrease in MRL.
Source: based on Commission Regulation (EU) 2022/1343



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