Maximum residue levels for flupyradifurone

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EU aligns MRLs for flupyradifurone on pineapples and sunflower seeds with Codex standards

Commission Regulation (EU) 2025/581 of 27 March 2025 amending Annexes II and IV to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for cycloxydim, dichlorprop-P, flupyradifurone, methyl nonyl ketone, plant oils/citronella oil, potassium sorbate and potassium phosphonate in or on certain products

Commission Regulation (EU) 2024/2640 of 9 October 2024 amending and correcting Annex II to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for 1,4-dimethylnaphthalene, difluoroacetic acid (DFA), fluopyram and flupyradifurone in or on certain products

Update

The European Commission has amended the maximum residue levels (MRLs) for flupyradifurone on certain stone fruits and other fruits, vegetables, cereals, and animal products.

Impacted products

Apricots, peaches, plums, cherries, cranberries, currants, gooseberries, rose hips, mulberries, azaroles, elderberries, mangoes, papayas, Chinese cabbages/ pe-tsai, kales, herbs and edible flowers, chervil, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel/ bay leaves, tarragon, sesame seeds, sunflower seeds, common millet, oats, rye, fat, liver, kidney, edible offals from pigs, honey, pineapples

What is changing?

In October 2024 the European Union (EU) amended the MRLs for flupyradifurone as summarised in Table 1.

In March 2025 the EU introduced a further change, increasing the MRL for pineapples from 0.01 to 0.3 mg/kg, and for sunflower seeds from 0.7 to 0.8 mg/kg.

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Why?

Following a request to review the MRLs for flupyradifurone and to set import tolerances, the European Food Safety Authority did not identify a consumer health risk (EFSA 2023). The EU has therefore adopted higher MRLs to avoid trade barriers when importing these crops.

In addition, the MRLs for flupyradifurone in pineapple and sunflower seeds have been updated to align the EU with the Codex MRL adopted in December 2023, as no consumer risk has been identified (Codex Alimentarius Commission 2023).

Timeline

The MRLs in Table 1 apply from **30 April 2025**.

The new MRLs on pineapples and sunflower seeds apply from **17 April 2025**.

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 (2023) Modification of the existing maximum residue levels and setting import tolerances for flupyradifurone and difluoroacetic acid (DFA) in various crops. EFSA Journal, 21(12): 8423.

Codex Alimentarius Commission (2023) MRLs FOR PESTICIDES IN FOOD AND FEED (AT STEPS 7 AND 4) Comments at Step 3 in reply to CL 2023/22-PR

Sources

Commission Regulation (EU) 2024/2640 as regards maximum residue levels for 1,4-dimethylnaphthalene, difluoroacetic acid (DFA), fluopyram and flupyradifurone in or on certain products

Commission Regulation (EU) 2025/581 as regards maximum residue levels for cycloxydim, dichlorprop-P, flupyradifurone, methyl nonyl ketone, plant oils/citronella oil, potassium sorbate and potassium phosphonate in or on certain products

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Tables & Figures

Table 1
Changes to maximum residue levels for flupyradifurone[1]

Food category	Products	Flupyradifurone (mg/kg)	
		Old MRL	New MRL
Stone fruits	Apricots	0.01*	1
	Cherries	0.01*	2
	Peaches	0.01*	1.5
	Plums	0.01*	0.4
Berries and small fruits	Cranberries, currants, gooseberries, rose hips, mulberries, azaroles, elderberries	0.01*	0.7
Miscellaneous fruits	Mangoes	0.01*	0.7
	Papayas	0.01*	0.4
Brassica vegetables	Chinese cabbages/pe-tsai	0.01*	4
	Kales	5	4
Herbs and edible flowers	Chervil, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel/bay leaves, tarragon	6	40
Oilseeds	Sesame seeds	0.01*	3
Cereals	Common millet	0.01*	0.02
	Oats	0.01*	3
	Rye	0.01*	1
Products of animal origin	Fat from pigs	0.015	0.02
	Liver from pigs	0.08	0.1
	Kidney, edible offals from pigs	0.09	0.15
	Honey and other apiculture products	0.05*	2

[1] For products not listed in this table, no changes are proposed.
* Limit of determination.

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Source: based on Regulation (EU) 2024/2640

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