

Maximum residue levels for deltamethrin

Published by AGRINFO on 30 Nov 2023; Revised 04 Jul 2025

EU raises deltamethrin MRLs on papayas in line with Codex standards

Commission Regulation (EU) [2025/1164](#) of 13 June 2025 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 cyantraniliprole, cyflumetofen, deltamethrin, mefentrifluconazole, mepiquat and oxathiapiprolin in or on certain products

Update

The European Union (EU) has raised the maximum residue level (MRL) for deltamethrin on papayas, in line with the Codex Alimentarius MRL (CXL) adopted in 2024.

Impacted products

Citrus fruits, grapefruits, oranges, lemons, limes, mandarins, tree nuts, almonds, Brazil nuts, cashew nuts, chestnuts, coconuts, hazelnuts/ cobnuts, macadamias, pecans, pine nut kernels, pistachios, walnuts, pears, plums, blackberries, dewberries, raspberries, kiwi fruits, mangoes, papayas, potatoes, tomatoes, sweet peppers/ bell peppers, okra/ lady's fingers, melons, watermelons, head cabbages, lettuces, escaroles/ broad-leaved endives, witloofs/ Belgian endives, chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel/ bay leaves, tarragon, globe artichokes, beans, oilseeds, linseeds, peanuts/ groundnuts, sesame seeds, cotton seeds, pumpkin seeds, safflower seeds, poppy seeds, borage seeds, hemp seeds, castor beans, sunflower seeds, mustard seeds, gold of pleasure seeds, oil palms kernels, oil palms fruits, kapok, chamomile, hibiscus, rose, jasmine, lime/ linden, strawberry, rooibos, maté, cocoa beans, carobs, hops, spices, anise, black caraway/ black cumin, celery, coriander, cumin, dill, fennel, fenugreek, nutmeg, cinnamon, mace, allspice/ pimento, Sichuan pepper, caraway, cardamom, juniper berry, peppercorn, vanilla, tamarind, cloves, capers, saffron, sugar beetroots

What is changing?

The EU has raised the MRL for deltamethrin on papayas from 0.1 to 0.2 mg/kg.

Why?

The EU MRL is aligned with the new CXL adopted in November 2024 ([CAC 2024](#)). The EU aligns MRLs with CXLs where they are not considered to be a concern for consumer safety.

Previous changes to deltamethrin MRLs are listed in Table 1.

Timeline

The new MRL for papayas applies from **6 July 2025**.

Previous changes to MRLs, listed in Table 1, have applied since 11 December 2024.

Background

In 2024, the MRLs for deltamethrin were lowered to the limit of determination (LOD) of 0.01–0.05 mg/kg on kiwi fruits, potatoes, cabbages, escaroles, globe artichokes, oilseeds, and spices (Regulation [2024/1342](#); see Table 1). (The LOD is the lowest level that can be detected using the most modern and reliable analytical methods.)

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

CAC (2024) [Report of the 55th Session of the Codex Committee on Pesticide Residues](#), Chengdu, Sichuan Province, P.R. China, 3–8 June 2024. Joint FAO/WHO Food Standards Programme, Codex Alimentarius Commission.

Commission Regulation (EU) [2024/1342](#) as regards maximum residue levels for deltamethrin, metalaxyl, thiabendazole and trifloxystrobin in or on certain products

[Corrigendum](#) to Commission Regulation (EU) 2024/1342 as regards maximum residue levels for deltamethrin, metalaxyl, thiabendazole and trifloxystrobin in or on certain products

Sources

Commission Regulation (EU) [2025/1164](#) as regards maximum residue levels for cyantraniliprole, cyflumetofen, deltamethrin, mefenitrifluconazole, mepiquat and oxathiapiprolin in or on certain products

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Table & Figures

Table 1 Changes to maximum residue levels for deltamethrin under Regulation 2024/1342			
Food category	Products	Deltamethrin (mg/kg)	
		Old MRL	New MRL
Citrus fruits	Grapefruits, oranges, lemons, limes, mandarins	0.04	0.02
Tree nuts	Almonds, Brazil nuts, cashew nuts, chestnuts, coconuts, hazelnuts/cobnuts, macadamias, pecans, pine nut kernels, pistachios, walnuts	0.02*	0.01*
Pome fruits	Pears	0.1	0.09
Stone fruits	Plums	0.07	0.1
Berries and other small fruits	Blackberries, dewberries, raspberries	0.1	0.08
Miscellaneous fruits	Kiwi fruits	0.15	0.01*
	Mangoes	0.01*	0.05
Root and tuber vegetables	Potatoes	0.3	0.01*
Fruiting vegetables	Tomatoes	0.07	0.1
	Sweet peppers/bell peppers	0.2	0.15
	Okra/lady's fingers	0.01*	0.15
	Melons, watermelons	0.02*	0.01*
Brassica vegetables	Head cabbages	0.1	0.01*
Leaf vegetables	Lettuces	0.5	0.4
	Escaroles/broad-leaved endives	0.1	0.01*
	Witloofs/Belgian endives	0.02*	0.01*
	Chives, celery leaves, parsley, sage, rosemary, thyme, basil and edible flowers, laurel/bay leaves, tarragon	2	1.5
Stem vegetables	Globe artichokes	0.2	0.01*
Pulses	Beans	0.6	0.01*
Oilseeds	Linseeds, peanuts/groundnuts, sesame seeds, cotton seeds, pumpkin seeds, safflower seeds	0.02*	0.01*
	Poppy seeds, borage seeds, hemp seeds, castor beans	0.2	0.01*
	Sunflower seeds	0.05*	0.01*
	Mustard seeds, gold of pleasure seeds	0.07*	0.01*
Oil fruits	Oil palm kernels, oil palm fruits, kapok	0.02*	0.01*
Herbal infusions	Chamomile, hibiscus, rose, jasmine, lime/linden, strawberry, rooibos, maté	15	9
Cocoa beans		0.1*	0.05*
Carob/St John's breads		0.1*	0.7
Hops		0.1*	0.05*
Spices	Anise, black caraway/black cumin, celery, coriander, cumin, dill, fennel, fenugreek, nutmeg, cinnamon, mace	0.1*	0.05*
	Allspice/pimento, Sichuan pepper, caraway, cardamom, juniper berry, peppercorn, vanilla, tamarind, cloves, capers, saffron	15	0.05*
Sugar plants	Sugar beetroots	0.02*	0.01*

* Limit of determination.

Source: based on Regulation [2024/1342](#)

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