Maximum residue levels for chlorfenapyr

Published by AGRINFO on 27 Oct 2025; Revised 06 Jul 2026

EU proposes to reduce MRL for chlorfenapyr on tea to 0.01 mg/kg

Draft Commission Regulation 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 azocyclotin, chlorfenapyr, cyhexatin, diazinon, dicofol, endosulfan, fenarimol, fenpropathrin and profenofos in or on certain products

Draft Annex V

Update

The European Union (EU) has notified the World Trade Organization Sanitary and Phytosanitary Measures (WTO SPS) Committee of a draft proposal to reduce the maximum residue levels (MRLs) for chlorfenapyr on several products. The most significant likely impacts are on tea, with a reduction from 50 mg/kg to the limit of determination (LOD) of 0.01 mg/kg (G/SPS/N/EU/959). (The LOD is the lowest level that can be detected using the most modern and reliable analytical methods.)

Minor reductions in current LODs are also proposed for certain other products.

Impacted products

Almonds, Brazil nuts, cashew nuts, chestnuts, coconuts, hazelnuts/cobnuts, macadamias, pecans, pine nut kernels, pistachios, walnuts, garlic, onions, shallots, spring onions/green onions, Welsh onions, linseeds, peanuts/groundnuts, 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, olives for oil production, oil palm kernels, oil palm fruits, kapok, barley, buckwheat and other pseudocereals, maize/corn, common millet/proso millet, oats, rice, rye, sorghum, wheat

What is changing?

The EU proposes to reduce the MRLs for chlorfenapyr as summarised in Table 1.

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Why?

Chlorfenapyr has never been approved for use within the EU, and the MRLs for imported produce that have been in place since the adoption of Regulation 396/2005 have never been reviewed. Following a series of evaluations and a stakeholder consultation (see EFSA invites submission of data to support review of certain MRLs), the European Food Safety Authority has concluded that data gaps regarding the MRL for tea do not allow a complete exposure assessment (EFSA 2023).

Timeline

The proposed new MRLs are expected to apply from **September 2027**.

Recommended Actions

Suppliers of tea to the EU market should review their current use of chlorfenapyr and start to look for alternative (chemical or non-chemical) solutions in anticipation of the MRL reduction.

The WTO consultation on this proposal closed on 25 August 2026.

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.

For further information on the EU's process and principles for setting MRLs, see Regulation of pesticide residues in the EU – Questions and Answers.

Resources

EFSA (2024) Outcome of the stakeholder consultation on the reasoned opinions for azocyclotin, bifenthrin, chlorfenapyr, cyhexatin, diazinon, dicofol, endosulfan, fenarimol, fenpropathrin and profenofos. EFSA Supporting Publication, 21(9): EN-9002.

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Sources

Draft Commission Regulation as regards maximum residue levels for azocyclotin, chlorfenapyr, cyhexatin, diazinon, dicofol, endosulfan, fenarimol, fenpropathrin and profenofos in or on certain products

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Tables & Figures

Table 1
Proposed changes to maximum residue levels for chlorfenapyr

Food category	Products	Chlorfenapyr (mg/kg)	
		Existing MRL	Proposed MRL
Teas		50	0.1*
Tree nuts	Almonds, Brazil nuts, cashew nuts, chestnuts, coconuts, hazelnuts/cobnuts, macadamias, pecans, pine nut kernels, pistachios, walnuts	0.02*	0.01*
Bulb vegetables	Garlic, onions, shallots, spring onions/ green onions, Welsh onions	0.02*	0.01*
Oilseeds	Linseeds, rapeseed/canola seeds, soybeans, castor beans, peanuts/groundnuts, seeds of poppy, sesame, sunflower, mustard, cotton, pumpkin, safflower, borage, gold of pleasure, hemp	0.02*	0.01*
Oil fruits	Olives for oil production, oil palm kernels and fruits, kapok	0.02*	0.01*
Cereals	Barley, buckwheat and other pseudocereals, maize/corn, common millet/proso millet, oats, rice, rye, sorghum, wheat	0.02*	0.01*

* Limit of determination (LOD).

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Source: based on Draft Annex V

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