

# Maximum residue levels for emamectin

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## EU adopts Codex MRLs for emamectin on kales, teas, and animal products

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

oranges, lemons, mandarins, plums, table grapes, wine grapes, cucumbers, gherkins, courgettes, melons, pumpkins, watermelons, broccoli, cauliflowers, Brussels sprouts, head cabbages, Chinese cabbages, pe-tsai, Lamb's lettuces, corn salads, cresses, sprouts, shoots, Roman rocket, rucola, red mustards, baby leaves, lettuces, escaroles, broad-leaved endives, watercresses, chervil, chives, celery leaves, parsley, rosemary, thyme, basil, edible flowers, laurel, bay leaves, tarragon, sage, beans (without pods), globe artichokes, animal products, kales, teas

## 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.

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](#)

Visit the [AGRINFO website](#) to view the latest AGRINFO Update newsletters and [search](#) the database.

## Table & Figures

| Table 1<br>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    |
| <p>* Limit of determination.<br/>Source: based on Commission Regulation (EU) <a href="#">2024/1355</a></p> <div>   <br/>www.agrininfo.eu </div> |                                                                                                              |                   |         |

| Table 2<br>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    |
| <p>* Limit of determination.<br/>Shading indicates a decrease in MRL.<br/>Source: based on Commission Regulation (EU) <a href="#">2022/1343</a></p> <div>   </div> <p><a href="http://www.agrininfo.eu">www.agrininfo.eu</a></p> |                                                                                                                                       |                   |         |

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