EU pesticide approvals, renewals, and extensions in 2023

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Extensions, approvals, and renewals of pesticides for use in the EU introduced in 2023

Commission Implementing Regulations (EU) 2023/114, 2023/199, 2023/223, 2023/200, 2023/689, 2023/918, 2023/998, 2023/999, 2023/1000, 2023/1001, 2023/1002, 2023/1003, 2023/1004, 2023/1005, 2023/1446, 2023/1447, 2023/1488, 2023/1755, 2023/1756, 2023/1757, 2023/2589, 2023/2591, 2023/2592

Update

In 2023, the EU extended its approval for use of the active substances set out in Table 1. Most recently, approvals were extended for 1-naphthylacetamide, 1-naphthylacetic acid, 2-phenylphenol (including its salts, such as sodium salt), 8-hydroxyquinoline, amidosulfuron, bifenox, dicamba, difenoconazole, diflufenican, dimethachlor, esfenvalerate, etofenprox, fenoxaprop-P, fenpropidin, fenpyrazamine, fluazifop P, lenacil, napropamide, nicosulfuron, paraffin oils and paraffin oil [in separate approvals], penconazole, picloram, prohexadione, spiroxamine, sulphur, tetraconazole, and tri-allate.

What is changing?

In 2023, the EU extended its approval of the substances set out in Table 1.

The EU also:

- approved Trichoderma atroviride AT10 as a low-risk active substance (expiry 20 Feb 2038)
- renewed Pseudomonas chlororaphis strain MA 342 only as fungicide for seed dressing in closed seed dressing machinery (expiry 28 Feb 2038)
- renewed the approvals of Bacillus amyloliquefaciens strain QST713; Bacillus thuringiensis subsp. aizawai strains ABTS-1857 & GC-91; Bacillus thuringiensis subsp. israeliensis (serotype H-14) strain AM65-52; Bacillus thuringiensis subsp. kurstaki strains ABTS 351, SA11, SA12 & EG2348; aluminium ammonium sulphate, and ethephon
- renewed the approval of quartz sand, Cydia pomonella granulovirus (CpGV), and fat distillation residues as low-risk active substances
- decided not to approve Citrus lemon essential oil as a basic substance.

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Why?

Non-approval of lemon essential oil

EFSA (2021) concluded that the main hazards associated with lemon essential oil are its toxicity by inhalation and skin irritation. Lemon essential oil also presents significant risks to the environment: D-lemonene, its main component, is very toxic to aquatic organisms, with long-lasting effects. The European Commission concluded that this substance cannot be approved.

Timeline

A comprehensive list of active substances, their legal status, and expiry dates can be found on the Commission's Active substances, safeners and synergists database.

Recommended Actions

Suppliers to the EU market should monitor developments in EU approvals in order to help develop longer-term strategies on agricultural practices that are in conformity with EU rules.

Background

Approvals

A plant protection product or pesticide contains one or several active substances. Active substances must meet the established approval criteria (Regulation (EC) No 1107/2009, Art. 4), which include no harmful effects on human health or the environment.

Depending on their characteristics, some active substances can be approved as low risk substances that fulfil certain criteria (Regulation (EC) 1107/2009, Annex II(5)). Low risk substances are approved for 15 years instead of the standard 10 years, and enjoy more favourable data protection (13 years). Authorisation procedures are generally also shorter.

Approval renewals

The Commission has established a series of work programmes to manage the renewal process. The fifth work programme covers substances with approval expiring between 1 January 2022 and 31 December 2024. Each substance is allocated to a Member State for evaluation.

If no application is received for extension of approval, the initial expiry date will remain.

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Extension of approvals

If an application for renewal cannot be fully evaluated before the expiry date, the approval can be extended to allow the evaluation to be completed.

Resources

Online resources from the European Commission:

- Renewal of approval
- Approval of active substances

EFSA (2021) Outcome of the consultation with Member States and EFSA on the basic substance application for approval of lemon essential oil to be used in plant protection as an acaricide, insecticide and fungicide in fruit trees (citrus). EFSA Supporting Publication, EN-6873.

Sources

Regulation (EU) 2023/114 on the extension of the approval periods of the active substances benzovindiflupyr, buprofezin, cyflufenamid, fluazinam, flutolanil, lambda-cyhalothrin, mecoprop-P, mepiquat, metiram, metsulfuron-methyl, phosphane and pyraclostrobin

Regulation (EU) 2023/199 approving the low-risk active substance *Trichoderma atroviride* AT10

Regulation (EU) 2023/223 renewing the approval of the active substance *Pseudomonas chlororaphis* strain MA 342

Regulation (EU) 2023/200 on the non-approval of lemon essential oil (*Citrus limon* essential oil) as a basic substance

Regulation (EU) 2023/689 as regards the extension of the approval periods of the active substances *Bacillus subtilis* (Cohn 1872) strain QST 713, *Bacillus thuringiensis* subsp. *aizawai* strains ABTS-1857 and GC-91, *Bacillus thuringiensis* subsp. *israeliensis* (serotype H-14) strain AM65-52, *Bacillus thuringiensis* subsp. *kurstaki* strains ABTS 351, PB 54, SA 11, SA12 and EG 2348, *Beauveria bassiana* strains ATCC 74040 and GHA, clodinafop, *Cydia pomonella* granulovirus (CpGV), cyprodinil, dichlorprop-P, fenpyroximate, fosetyl, malathion, mepanipyrim, metconazole, metrafenone, pirimicarb, pyridaben, pyrimethanil, rimsulfuron, spinosad, *Trichoderma asperellum* (formerly *T. harzianum*) strains ICC012, T25 and TV1, *Trichoderma atroviride* (formerly *T. harzianum*) strain T11, *Trichoderma gamsii* (formerly *T. viride*) strain ICC080, *Trichoderma harzianum* strains T-22 and ITEM 908, triclopyr, trinexapac, triticonazole and ziram

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Regulation (EU) 2023/918 as regards the extension of the approval periods of the active substances aclonifen, ametoctradin, beflubutamid, benthiavalicarb, boscalid, captan, clethodim, cycloxydim, cyflumetofen, dazomet, diclofop, dimethomorph, ethephon, fenazaquin, fluopicolide, fluoxastrobin, flurochloridone, folpet, formetanate, *Helicoverpa armigera* nucleopolyhedrovirus, hymexazol, indolylbutyric acid, mandipropamid, metalaxyl, metaldehyde, metam, metazachlor, metribuzin, milbemectin, paclobutrazol, penoxsulam, phenmedipham, pirimiphos-methyl, propamocarb, proquinazid, prothioconazole, S-metolachlor, *Spodoptera littoralis* nucleopolyhedrovirus, *Trichoderma asperellum* strain T34 and *Trichoderma atroviride* strain I-1237

Regulation (EU) 2023/998 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *kurstaki* ABTS-351

Regulation (EU) 2023/999 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *israelensis* strain AM65-52

Regulation (EU) 2023/1000 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *aizawai* GC-91

Regulation (EU) 2023/1001 renewing the approval of the active substance *Bacillus amyloliquefaciens* strain QST 713

Regulation (EU) 2023/1002 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *aizawai* strain ABTS-1857

Regulation (EU) 2023/1003 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *kurstaki* EG2348

Regulation (EU) 2023/1004 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *kurstaki* SA-11

Regulation (EU) 2023/1005 renewing the approval of the active substance *Bacillus thuringiensis* subsp. *kurstaki* SA-12

Regulation (EU) 2023/1446 as regards the extension of the approval periods of the active substances 2,5-dichlorobenzoic acid methylester, acetic acid, aluminium ammonium sulphate, aluminium phosphide, aluminium silicate, calcium carbide, cymoxanil, dodemorph, ethylene, extract from tea tree, fat distillation residues, fatty acids C7-C20, flonicamid (IKI-220), gibberellic acid, gibberellins, halosulfuron-methyl, hydrolysed proteins, iron sulphate, magnesium phosphide, maltodextrin, metamitron, plant oils/clove oil, plant oils/rape seed oil, plant oils/spear mint oil, pyrethrins, sulcotrione, tebuconazole and urea

Regulation (EU) 2023/1488 renewing the approval of the low-risk active substance quartz sand

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Regulation (EU) 2023/1755 renewing the approval of the low-risk active substance fat distillation residues

Regulation (EU) 2023/1756 renewing the approval of the low-risk active substance *Cydia pomonella* granulovirus (CpGV)

Regulation (EU) 2023/1757 as regards the extension of the approval periods of the active substances bensulfuron, chlormequat, chlorotoluron, clomazone, daminozide, deltamethrin, eugenol, fludioxonil, flufenacet, flumetralin, fosthiazate, geraniol, MCPA, MCPB, propaquizafop, prosulfocarb, quizalofop-P-ethyl, quizalofop-P-tefuryl, sodium 5-nitroguaiacolate, sodium o-nitrophenolate, sodium p-nitrophenolate, sulfuryl fluoride, tebufenpyrad, thymol, and tritosulfuron

Regulation (EU) 2023/2589 renewing the approval of the active substance aluminium ammonium sulfate

Regulation (EU) 2023/2591 renewing the approval of the active substance ethephon

Regulation (EU) 2023/2592 as regards the extension of the approval periods of the active substances 1-naphthylacetamide, 1-naphthylacetic acid, 2-phenylphenol (incl. its salts such as sodium salt), 8-hydroxyquinoline, amidosulfuron, bifenox, dicamba, difenoconazole, diflufenican, dimethachlor, esfenvalerate, etofenprox, fenoxaprop-P, fenpropidin, fenpyrazamine, fluazifop P, lenacil, napropamide, nicosulfuron, paraffin oils, paraffin oil, penconazole, picloram, prohexadione, spiroxamine, sulphur, tetraconazole and tri-allate

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Table & Figures

Table 1
Extensions of approval

Active substance	Expiry date		Active substance	Expiry date
Regulation (EU) 2023/114			Regulation (EU) 2023/689 [*continued*]	
Benzovindiflupyr	02 Mar 2024		Fenpyroximate	15 Jun 2026
Buprofezin	31 Jan 2024		Fosetyl	15 Mar 2025
Cyflufenamid	31 Mar 2024		Malathion	31 Jul 2026
Fluazinam	29 Feb 2024		Mepanipyrim	15 Mar 2025
Flutolanil	29 Feb 2024		Metconazole	15 Mar 2025
Lambda-cyhalothrin	31 Mar 2024		Metrafenone	15 Dec 2024
Mecoprop-P	31 Jan 2024		Pirimicarb	15 Mar 2025
Mepiquat	29 Feb 2024		Pyridaben	31 Jul 2026
Metiram	31 Jan 2024		Pyrimethanil	15 Mar 2025
Metsulfuron-methyl	31 Mar 2024		Rimsulfuron	15 Aug 2025
Phosphane	31 Mar 2024		Spinosad	15 Mar 2025
Pyraclostrobin	31 Jan 2024		*Trichoderma asperellum* (formerly *T. harzianum*) strains ICC012, T25 & TV1	15 Apr 2025
Regulation (EU) 2023/689			*Trichoderma atroviride* (formerly *T. harzianum*) strain T11	15 Apr 2025
Bacillus thuringiensis subsp. *kurstaki* strain PB 54	15 Aug 2024		*Trichoderma gamsii* (formerly *T. viride*) strain ICC080	15 Apr 2025
Beauveria bassiana strains ATCC 74040 & GHA	30 Sep 2025		*Trichoderma harzianum* strains T-22 & ITEM 908	15 Apr 2025
Clodinafop	15 Dec 2024		Triclopyr	15 Dec 2024
Cydia pomonella granulovirus (CPGV)	15 Aug 2024		Trinexapac	15 Dec 2024
Cyprodinil	15 Mar 2025		Triticonazole	15 Mar 2025
Dichlorprop-P	15 Mar 2025		Ziram	15 Mar 2025

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Table 1
Extensions of approval [*continued*]

Active substance	Expiry date		Active substance	Expiry date
Regulation (EU) 2023/918			Regulation (EU) 2023/918	
Aclonifen	31 Oct 2026		Hymexazol	31 Aug 2026
Ametoctradin	31 Dec 2025		Indolylbutyric acid	15 March 2026
Beflubutamid	31 Oct 2026		Mandipropamid	31 Dec 2025
Benthiavalicarb	15 Nov 2024		Metalaxyl	30 Sept 2026
Boscalid	15 Apr 2026		Metaldehyde	31 Aug 2026
Captan	15 Nov 2024		Metam	30 Nov 2025
Clethodim	31 Aug 2026		Metazachlor	31 Oct 2026
Cycloxydim	31 Aug 2026		Metribuzin	15 Feb 2025
Cyflumetofen	31 Oct 2025		Milbemectin	15 Feb 2025
Dazomet	31 Aug 2026		Paclobutrazol	31 Aug 2026
Diclofop	31 Aug 2026		Penoxsulam	15 May 2026
Dimethomorph	15 Feb 2025		Phenmedipham	15 Feb 2025
Ethephon	15 Nov 2024		Pirimiphos-methyl	15 June 2025
Fenazaquin	31 Aug 2026		Propamocarb	15 June 2025
Fluopicolide	31 Aug 2026		Proquinazid	15 May 2026
Fluoxastrobin	15 June 2025		Prothioconazole	15 Aug 2025
Flurochloridone	15 March 2026		S-metolachlor	15 Nov 2024
Folpet	15 Feb 2025		*Spodoptera littoralis* nucleopolyhedrovirus	31 Oct 2025
Formetanate	15 Feb 2025		*Trichoderma asperellum* strain T34	31 Oct 2025
Helicoverpa armigera nucleopolyhedrovirus	31 Oct 2025		*Trichoderma atroviride* strain I-1237	31 Oct 2025

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Table 1
Extensions of approval [*continued*]

Active substance	Expiry date		Active substance	Expiry date
Regulation (EU) 2023/1446			Regulation (EU) 2023/1757	
2,5-dichlorobenzoic acid methylester	30 Nov 2026		Bensulfuron	15 Aug 2026
Acetic acid	30 Nov 2026		Chlormequat	28 Feb 2027
Aluminium ammonium sulphate	15 Dec 2024		Chlorotoluron	15 Aug 2026
Aluminium phosphide	30 Nov 2026		Clomazone	15 Jun 2025
Aluminium silicate	15 Dec 2024		Daminozide	15 Sep 2025
Calcium carbide	30 Nov 2026		Deltamethrin	15 Aug 2026
Cymoxanil	15 Aug 2026		Eugenol	30 Apr 2026
Dodemorph	30 Nov 2026		Fludioxonil	15 Jun 2025
Ethylene	30 Nov 2026		Flufenacet	15 Jun 2025
Extract from tea tree	31 Jan 2026		Flumetraline	11 May 2026
Fat distillation residues	15 Dec 2024		Fosthiazate	31 Jan 2027
Fatty acids C7–C20	15 Dec 2024		Geraniol	30 Apr 2026
Flonicamid (IKI-220)	30 Nov 2026		MCPA	15 Aug 2026
Gibberellic acid	15 Jul 2025		MCPB	15 Aug 2026
Gibberellins	15 Jul 2025		Propaquizafop	28 Feb 2027
Halosulfuron-methyl	31 Mar 2025		Prosulfocarb	28 Feb 2027
Hydrolysed proteins	15 Apr 2025		Quizalofop-P-ethyl	28 Feb 2027
Iron sulphate	30 Nov 2026		Quizalofop-P-tefuryl	28 Feb 2027
Magnesium phosphide	30 Nov 2026		Sodium 5-nitroguaiacolate	31 Jan 2027
Maltodextrin	28 Feb 2026		Sodium o-nitrophenolate	31 Jan 2027
Metamitron	30 Nov 2026		Sodium p-nitrophenolate	31 Jan 2027
Plant oils/ clove oil	31 Jan 2026		Sulfuryl fluoride	31 Jan 2027
Plant oils/ rape seed oil	15 Dec 2024		Tebufenpyrad	31 Jan 2027
Plant oils/ spearmint oil	31 Jan 2026		Thymol	30 Apr 2026
Pyrethrins	15 Jun 2026		Tritosulfuron	15 Jul 2025
Sulcotrione	30 Nov 2026			
Tebuconazole	15 Aug 2026			
Urea	30 Nov 2026			

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Table 1
Extensions of approval [*continued*]

Active substance	Expiry date		Active substance	Expiry date
Regulation (EU) 2023/2592				
1-naphthylacetic acid	31 May 2026		Fluazifop P	31 May 2026
2-phenylphenol	15 Nov 2027		Lenacil	15 Aug 2025
8-hydroxyquinoline	31 Dec 2024		Napropamide	31 Mar 2027
Amidosulfuron	15 Dec 2025		Nicosulfuron	31 Mar 2027
Bifenox	31 Mar 2027		Paraffin oils	31 Mar 2027
Dicamba	31 Mar 2027		Paraffin oil	15 Aug 2025
Difenoconazole	15 Mar 2026		Penconazole	15 Oct 2026
Diflufenican	15 Jan 2026		Picloram	15 Feb 2028
Dimethachlor	15 Oct 2026		Prohexadione	31 May 2026
Esfenvalerate	31 May 2026		Spiroxamine	31 May 2026
Etofenprox	31 Mar 2027		Sulphur	15 Apr 2025
Fenoxaprop-P	15 Aug 2025		Tetraconazole	31 Mar 2027
Fenpropidin	15 May 2027		Tri-allate	31 Mar 2027
Fenpyrazamine	31 May 2026			

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Sources: Regulations (EU) 2023/114, 2023/689, 2023/918, 2023/1446, 2023/1757, 2023/2592

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