

ANNEX: Approved PFAS active substances

PAN Europe

28 July 2025

Active substance	Current period of re-approval	Use	Crops used on	Harmonised Classification	Candidate for substitution?	EU Member State(s) authorised in
Flufenacet (CF ₃)	01/01/2004 - 31/12/2013 (prolonged until 10/06/2025. Grace period until December 2026)	Herbicide	Corn; Soybeans; Winter wheat; Winter barley; Winter rye; Potatoes; Sunflowers; Asparagus; Cotton; Chilli; Tobacco	Acute Tox. 4 (Oral) STOT RE 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	Yes: persistent and toxic	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Estonia, Greece, Spain, France, Croatia, Hungary, Ireland, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Beflubutamid (CF ₃)	01/12/2007 - 30/11/2017 (prolonged until 31/10/2026)	Herbicide	Cereals including wheat, barley, rye, triticale	Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Czech Republic, Germany, Spain, France, Lithuania, Luxembourg, Latvia, Poland, Romania

Cyflufenamid (CF ₃)	01/04/2010 - 31/03/2020 (prolonged until 30/06/2027)	Fungicide	Cereals; cucurbits including cucumber, courgette, melon and summer squash	/	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Estonia, Greece, Spain, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Cyflumetofen (CF ₃)	01/06/2013 - 31/05/2023 (prolonged until 31/10/2025)	Acaricide, insecticide	Fruit including citrus, grapes, apples, pears, plums, strawberries; Tomatoes; Cucumber; Tree nuts	Skin Sens. 1A Carc. 2	/	Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, France, Croatia, Netherlands, Poland, Portugal
Diflufenican (CF ₃)	01/01/2009 - 31/12/2018 (prolonged until 15/01/2026)	Herbicide	Clover-based pastures; Field peas; Lentils; Lupins; Winter cereals; Soybeans; Corn	Aquatic Acute 1 Aquatic Chronic 1	Yes: persistent and toxic	Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, France, Croatia, Netherlands, Poland, Portugal
Flazasulfuron (CF ₃)	01/06/2004 - 31/05/2014 (prolonged until 31/07/2032)	Herbicide	Turf; Citrus; Grapes; Olives; Sugarcane; Non-cropped areas	Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, France, Croatia, Hungary, Ireland, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia
Flonicamid (CF ₃)	01/09/2010 - 31/08/2020 (prolonged until 30/11/2026)	Insecticide	Fruit including apples, pears, peaches, plums, melons, cherries; Cereals including wheat, barley, oats, rye, triticale; Potatoes; Cucumbers; Tomatoes; Aubergine; Various vegetables	Acute Tox. 4 (Oral)	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia

Fluazifop-P (CF ₃)	01/01/2012 - 31/12/2021 (prolonged until 31/05/2026)	Herbicide	Soybeans; Carrots; Spinach; Potatoes; Ornamentals	/	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Fluazinam (CF ₃)	01/03/2009 - 28/02/2019 (prolonged until 15/04/2026)	Fungicide	Peanuts; Potatoes; Grape vines; Fruit including citrus and apples; Crucifers	Repr. 2 Eye Dam. 1 Skin Sens. 1A Acute Tox. 4 (Inhalation) Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Fludioxonil (CF ₂)	01/11/2008 - 31/10/2018 (prolonged until 30/09/2026)	Fungicide	Fruit including apples, soft fruit, cranberries, pear, quince, grapes, strawberry and currants; Vegetables including peas, beans; Ornamentals; Wheats; Oats	Aquatic Acute 1, Aquatic Chronic 1	Yes: bioaccumulative and toxic	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Fluometuron (CF ₃)	01/06/2011 - 31/05/2021 (prolonged until 15/07/2026)	Herbicide	Cotton; Sugarcane	/	Yes: low ADI / ARfD / AOEL	Greece, Spain, Italy
Fluopicolide (CF ₃)	01/06/2010 - 31/05/2020 (prolonged until 31/08/2026)	Fungicide	Grapes; Hops; Potatoes; Various vegetables including onions, roots and tubers	Repr. 2	Yes: persistent and toxic	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia

Fluopyram (CF ₃)	01/02/2014 - 31/01/2024 (prolonged until 30/06/2026)	Fungicide, nematocide	Potatoes; Sugarbeet; Fruit including apples, grapes and strawberries; Cotton	Aquatic Chronic 2	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Flurochloridone (CF ₃)	01/06/2011 - 31/05/2021 (prolonged until 15/03/2026)	Herbicide	Cotton; Potatoes; Cereals including winter rye, winter wheat; Sunflowers; Umbelliferous crops including carrot, celery, celeriac, parsnip	Repr. 1B Acute Tox. 4 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	Yes: toxic for reproduction 1A / 1B	Czech Republic, Greece, France, Croatia, Hungary, Italy, Poland, Romania, Slovakia
Flutianil (CF ₃)	14/04/2019 - 14/04/2029	Fungicide	Grapevines; Ornamentals	Aquatic Chronic 1	/	Belgium, Germany, Greece, France, Hungary, Malta, Portugal
Flutolanil (CF ₃)	01/03/2009 - 28/02/2019 (prolonged until 15/06/2026)	Fungicide	Potatoes; Rice; Turf; Cereals; Sugarbeet; Some ornamentals e.g. Tulip, Iris	/	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Isoxaflutole (CF ₃)	01/10/2003 - 30/09/2013 (prolonged until 31/07/2034)	Herbicide	Maize; Sugar cane	Repr. 2 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Czech Republic, Germany, Greece, Spain, France, Croatia, Hungary, Ireland, Italy, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Lambda-Cyhalothrin (CF ₃)	01/01/2002 - 31/12/2015 (prolonged until 31/08/2026)	Insecticide	Cotton; Cereals; Potatoes; Hops; Vegetables	Acute Tox. 3 (Oral) Acute Tox. 4 (Dermal) Acute Tox. 2 (Inhalation) Aquatic Acute 1 Aquatic Chronic 1	Yes: bioaccumulative and toxic	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Slovakia

Mefentrifluconazole (CF ₃)	20/03/2019 - 20/03/2029	Fungicide	Cereals	Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Oxathiapiprolin (CF ₃)	03/03/2017 - 03/03/2027	Fungicide	Fruiting vegetables including tomatoes, aubergines, peppers, and cucurbits; Lettuce; Grapes; Melons; Potatoes; Herbs	Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Oxyfluorfen (CF ₃)	01/01/2012 - 31/12/2021 (prolonged until 31/05/2025)	Herbicide	Sugarcane; Vegetables including alliums, peas, cabbage; Fruit; Nuts including almonds; Cotton; Ornamentals; non-crop areas including landscapes, residential and amenity sites	/	Yes: persistent and bioaccumulative	Bulgaria, Cyprus, Greece, Spain, Croatia, Italy, Malta, Poland, Portugal, Romania
Penoxsulam (CF ₃)	01/08/2010 - 31/07/2020 (prolonged until 31/05/2026)	Herbicide	Lawns; Rice; Cereals; Orchards; Olives; Chicory	/	/	Austria, Belgium, Cyprus, Czech Republic, Germany, Greece, Spain, France, Hungary, Italy, Luxembourg, Malta, Poland, Portugal, Romania, Slovenia, Slovakia
Penthiopyrad (CF ₃)	01/05/2014 - 30/04/2024 (prolonged until 31/10/2027)	Fungicide	Cereals including wheat; Potatoes; Sugarbeet; Turf; Legumes; Vegetables; Soybeans	Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Greece, Spain, France, Hungary, Ireland, Italy, Malta, Netherlands, Poland, Portugal, Romania, Slovakia

Picolinafen (CF ₃)	01/10/2002 - 31/12/2015 (prolonged until 30/06/2031)	Herbicide	Winter wheat; Winter barley; Winter rye; Triticale	STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Czech Republic, Germany, Denmark, Estonia, Spain, France, Hungary, Ireland, Lithuania, Luxembourg, Latvia, Poland, Romania, Sweden
Prosulfuron (CF ₃)	01/07/2002 - 31/12/2015 (prolonged until 15/06/2026)	Herbicide	Sorghum; Millet; Winter wheat; Forage and grain maize; Soybean	Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	Yes : persistent and toxic	Austria, Belgium, Bulgaria, Czech Republic, Germany, Greece, Spain, France, Croatia, Hungary, Italy, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Pyroxsulam (CF ₃)	01/05/2014 - 30/04/2024 (prolonged until 30/09/2027)	Herbicide	Cereals including wheat, barley, rye, triticale	Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Sulfoxaflor (CF ₃)	18/08/2015 - 18/08/2025 (prolonged until 18/01/2028)	Insecticide	Tomatoes; Peppers; Aubergines; Cucumbers; Melons; Courgettes; Cereals including wheat, rye, barley, oats, triticale; Cotton	Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Germany, Greece, Spain, Croatia, Hungary, Ireland, Italy, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Tau-Fluvalinate (CF ₃)	01/06/2011 - 31/05/2021 (prolonged until 31/01/2027)	Insecticide	Potatoes; Cereals including wheat; Turf; Cotton; Fruit trees including cherries, peaches, plums, nectarines, Tamarillos, avocados; Beehives	Acute Tox. 4 (Oral) Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia
Tefluthrin (CF ₃)	01/01/2012 - 31/12/2021 (prolonged until 31/05/2027)	Insecticide	Sugarbeet; Fodder beet; Cotton; Field corn; Popcorn	Acute Tox. 1 (Inhalation) Acute Tox. 2 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Denmark, Estonia, Greece, Spain, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia

Tembotrione (CF ₃)	01/05/2014 - 30/04/2024 (prolonged until 31/12/2026)	Herbicide	Maize; Sweetcorn	Repr. 2 STOT RE 2 Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic 1	Yes : low ADI / ARfD / AOEL	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, France, Croatia, Hungary, Italy, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovenia, Slovakia
Tetraconazole (CF ₂)	01/01/2010 - 31/12/2019 (prolonged until 31/03/2027)	Fungicide	Sugarbeet; Wheat; Grapes; Apple; Tomato	Acute Tox. 4 (Inhalation) Acute Tox. 4 (Oral) Aquatic Chronic 2	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Spain, France, Croatia, Hungary, Italy, Malta, Poland, Portugal, Romania, Slovenia, Slovakia
Trifloxystrobin (CF ₃)	01/10/2003 - 30/09/2013 (prolonged until 31/07/2033)	Fungicide	Cereals; Ornamentals; Vegetables including carrots, asparagus, cucurbits, fruiting vegetables, root vegetables (except radish); Fruit including apples, pears, grapes, strawberries; Tropical crops	Lact. Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	/	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Estonia, Greece, Spain, Finland, France, Croatia, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia

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Pesticide Action Network (PAN Europe) is a network of NGOs working to reduce the use of hazardous pesticides and have them replaced with ecologically sound alternatives. We work to eliminate dependency on chemical pesticides and to support safe sustainable pest control methods. Our network brings together over 45 consumer, public health and environmental organisations and women's groups from across Europe.



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