

List based on banned and restricted active substances included in the Prior Consent Inform (PIC) Regulation, with at least one MRL set on a food item above Limit of Detection/determination (LOD) (88 Active Substances)

This list of 88 substances was established through the extraction of Active Substances from the Annex 1 of Regulation 648/2012 (PIC regulation) with at least one MRL set on a food item above Limit Of Detection (LOD), based on the [EU MRL database](#). (Parent pesticide groupings and Isomer have also been added manually). Of these 57 are included in [PAN International's Highly Hazardous Pesticides \(HHP\) list](#).

It should be noted that at least 46 additional « non-authorized substances » from the [EU pesticide database](#) also have residue limits above the LOD but are not included in the PIC list and therefore have not been added to the table.

	Criteria from point 3.6.2 to 3.6.5, 3.7.1 to 3.7.3, and 3.8.2 of Annex II to Regulation (EC) No 1107/2009		EU Harmonized classification	PAN HHP list	PFAS
Hazard class according to available Information	Carcinogens, Mutagens, Reprotoxic (3.6.2 to 3.6.4)	ED (3.6.5) Complete assessments			
Acephate			Acute Tox. 4 (Oral)	X	
Aldicarb			Acute Tox. 2 Acute Tox. 3 Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic 1	X	
Aldrin			Carc. 2 Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1		
Alpha-cypermethrin			Acute Tox. 3 (Oral) STOT SE 3 STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1		
Amitraz			Acute Tox. 4 (Oral) STOT RE 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Azinphos-methyl			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 2 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Azocyclotin			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Oral) STOT SE 3 Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Benalaxyl			Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1		
Benfluralin			Carc. 2 Repr. 2 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1		PFAS

			Aquatic Acute 1 Aquatic Chronic 1		
Benfuracarb			Repr. 2 Acute Tox. 3 (Inhalation) Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
benthiavalicarb	Carc. 1B	yes	Carc. 1B Repr. 2 Skin Sens. 1 Aquatic Chronic 2		
Beta-cyfluthrin			Lact. Acute Tox. 2 (Inhalation) Acute Tox. 2 (Oral) STOT SE 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Beta-cypermethrin			No harmonized classification		
Bifenthrin			Carc. 2 Acute Tox. 3 (Inhalation) Acute Tox. 2 (Oral) STOT RE 1 Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic 1	X	PFAS
Carbaryl			Carc. 2 Acute Tox. 4 (Inhalation) Acute Tox. 4 (Oral) Aquatic Acute 1	X	
Carbendazim	Muta. 1B Repr. 1B		Muta. 1B Repr. 1B Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Carbofuran			Acute Tox. 2 (Inhalation) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Carbosulfan			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Chlorate			No harmonized classification		
Chlordane			Carc. 2 Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Chlordecone			Carc. 2 Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1		
Chlorfenapyr			Acute Tox. 3 (Inhalation) Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Chlorpropham			Carc. 2 STOT RE 2 Aquatic Chronic 2	X	
Clofentezine		yes	Aquatic Chronic 1		
Cyfluthrin			Lact. Acute Tox. 2 (Inhalation) Acute Tox. 2 (Oral) STOT SE 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Cyhexatin			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	

Cyproconazole	Repr. 1B		Repr. 1B Acute Tox. 3 (Oral) STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	X	
DDT			Carc. 2 Acute Tox. 3 (Oral) STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Diazinon			Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Dicloran			Acute Tox. 2 (Inhalation) Acute Tox. 1 (Dermal) Acute Tox. 2 (Oral) STOT RE 2 Aquatic Chronic 2		
Dicofol			Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Didecyldimethylammonium chloride			Acute Tox. 4 (Oral) Skin Corr. 1B		
Dieldrin			Carc. 2 Acute Tox. 1 (Dermal) Acute Tox. 3 (Oral) STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1		
Dimethomorph	Repr. 1B	yes	Repr. 1B Aquatic Chronic 2	X	
Dimoxystrobin			Carc. 2 Repr. 2 Acute Tox. 4 (Inhalation) Aquatic Acute 1 Aquatic Chronic 1	X	
diquat			Acute Tox. 2 (Inhalation) Acute Tox. 4 (Oral) STOT SE 3 STOT RE 1 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Endosulfan			Acute Tox. 2 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Endrin			Acute Tox. 3 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1		
Ethion			Acute Tox. 4 (Dermal) Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Famoxadone			STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1		
Fenarimol			Repr. 2 Lact. Aquatic Chronic 2		
Fenbuconazole			Aquatic Acute 1 Aquatic Chronic 1	X	
Fenitrothion			Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Fenpropathrin			Acute Tox. 2 (Inhalation) Acute Tox. 4 (Dermal)		

			Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Fenpropimorph			Repr. 2 Acute Tox. 4 (Oral) Skin Irrit. 2 Aquatic Chronic 2		
Fenvalerate			no harmonized classification	X	
Fipronil			Acute Tox. 3 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	X	PFAS
Flufenoxuron			Lact. Aquatic Acute 1 Aquatic Chronic 1	X	
Furathiocarb			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Oral) STOT RE 2 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Glufosinate, including glufosinate-ammonium	Repr. 1B		Repr. 1B Acute Tox. 4 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) STOT RE 2		
Haloxypop-P-methyl ester (Haloxypop-R)			Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1		
Heptachlor			Carc. 2 Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1		
Hexachlorobenzene	Carc. 1B		Carc. 1B STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1		
Imidacloprid			Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Indoxacarb			Acute Tox. 4 (Inhalation) Acute Tox. 3 (Oral) STOT RE 1 Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic 1	X	PFAS
Isopyrazam	Repr. 1.B		Carc. 2 Repr. 1B Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic 1	X	
Lufenuron			Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	PFAS
Maleic hydrazide			No harmonized classification		
Mancozeb	Repr. 1B	yes	Carc. 2 Repr. 1B STOT RE 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Maneb			Repr. 2 Acute Tox. 4 (Inhalation) Eye Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	

Mepanipyrim		yes	Carc. 2 Aquatic Acute 1 Aquatic Chronic 1	X	
Methamidophos			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1	X	
Methidathion			Acute Tox. 4 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Methomyl			Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Metiram			No harmonized classification	X	
Myclobutanil			Repr. 2 Acute Tox. 4 (Oral) Eye Irrit. 2 Aquatic Chronic 2		
Nicotine			Acute Tox. 2 (Inhalation) Acute Tox. 2 (Dermal) Acute Tox. 2 (Oral) Aquatic Chronic 2	X	
Oxydemeton-methyl			Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) Aquatic Acute 1	X	
Paraquat			Met. Corr. 1 Acute Tox. 1 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 3 (Oral) STOT SE 3 STOT RE 1 Skin Irrit. 2 Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1		
Parathion			Acute Tox. 2 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 2 (Oral) STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Parathion-methyl			Flam. Liq. 3 Acute Tox. 2 (Inhalation) Acute Tox. 3 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Permethrin			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Phorate			Acute Tox. 1 (Dermal) Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Phosalone			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 3 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Picoxystrobin			No harmonized classification		PFAS
Profenofos			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Propargite			Carc. 2 Acute Tox. 3 (Inhalation) Skin Irrit. 2 Eye Dam. 1	X	

			Aquatic Acute 1 Aquatic Chronic 1		
Propineb			No harmonized classification	X	
Quinoxifen			Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Quintozene			Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Simazine			Carc. 2 Aquatic Acute 1 Aquatic Chronic 1	X	
Spirodiclofen	Carc. 1B		Carc. 1B Repr. 2 STOT RE 2 Skin Sens. 1B Aquatic Chronic 1	X	
Spirotetramat			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Oral) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1		
Terbufos			Acute Tox. 3 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Thiophanate-methyl		yes	Carc. 2 Muta. 2 Acute Tox. 4 (Inhalation) Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Thiram			Acute Tox. 4 (Inhalation) Acute Tox. 4 (Oral) STOT RE 2 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	X	
Triazophos			Acute Tox. 3 (Inhalation) Acute Tox. 4 (Dermal) Acute Tox. 3 (Oral) Aquatic Acute 1 Aquatic Chronic 1	X	
Triflumuron			No harmonized classification		
TOTAL : 88	9	6		57	