



Policy Addendum

# LISTS OF HIGHLY HAZARDOUS PESTICIDES

FSC-POL-30-001a V1-1

<b>Title:</b>	Lists of Highly Hazardous Pesticides
<b>Dates:</b>	<b>Approval date:</b> 13 February 2024
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## Version control

<b>Publication date:</b>	1 April 2024	
<b>Effective date:</b>	1 July 2024	
Version	Description	Date
<b>July-2002</b>	Annex 1 'Chemical pesticides prohibited under the FSC rules of voluntary forest certification' of the document <Chemical Pesticides in certified forests: Interpretation of the FSC Principles & Criteria> lists chemicals classified as "prohibited" under Criterion 6.6 of the FSC Principles and Criteria revised in 2000.	July 2002
<b>May-2007</b>	Annex II a 'FSC list of 'highly hazardous' pesticides' of the document <FSC Pesticides Policy: Guidance on Implementation> lists pesticides used in forestry that qualify as 'highly hazardous'.	5 May 2007
<b>February-2015</b>	This document <FSC-STD-30-001a FSC List of 'highly hazardous' pesticides> lists chemical pesticides that meet the indicators and thresholds set out in <FSC-STD-30-001 V1-0 Indicators and Thresholds for the identification of 'highly hazardous' pesticides (HHP)>.	10 February 2015
<b>V1-0</b>	This version <FSC-POL-30-001a FSC Lists of highly hazardous pesticides> lists chemical pesticides that met the indicators and thresholds set out in Annex 1 of <FSC-POL-30-001 FSC Pesticides Policy>.	1 May 2019

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<b>V1-1</b>	This version <FSC-POL-30-001a V1-1 Lists of highly hazardous pesticides> lists chemical pesticides that met the indicators and thresholds set out in Annex 1 of < <u>FSC-POL-30-001 FSC Pesticides Policy</u> >. 41 changes related to reclassification of pesticides or criteria met were identified in relation to the previous version.	13 February 2024
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## INTRODUCTION

This addendum lists active ingredients of chemical pesticides that meet the criteria, indicators and thresholds set out in Annex 1 of <[FSC-POL-30-001 FSC Pesticides Policy](#)>. Such chemical pesticides are therefore considered to be highly hazardous and are classified as prohibited, highly restricted or restricted in FSC Forest Management Certification.

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## A. SCOPE

This addendum is mandatory for The Organization, FSC-accredited certification bodies and standard developers.

All aspects of this document are considered normative, including the scope, effective and validity dates, references, terms and definitions, footnotes, graphics, tables and annexes, unless otherwise stated.

Notes, information/guidance boxes and examples are not considered normative.

As part of the FSC normative framework, this addendum is subject to the review and revision requirements of <FSC-PRO-01-001 Development and Revision of FSC Requirements> and the <FSC-POL-30-001 FSC Pesticides Policy>.

## B. REFERENCES

The following documents are indispensable for the application of this document.

For references without a version number, the latest version of the referenced document (including any amendments) applies:

<b>FSC-POL-30-001</b>	FSC Pesticides Policy
<b>FSC-STD-60-004</b>	International Generic Indicators
<b>N/A</b>	Applicable Forest Stewardship Standard

## C. TERMS AND DEFINITIONS

For the purposes of this document, the terms and definitions included in <FSC-STD-01-002 FSC Glossary of Terms> and <FSC-POL-30-001 Pesticides Policy> apply.

No additional terms and definitions are listed in this document.

### Verbal forms for the expression of provisions:

[Adapted from *ISO/IEC Directives Part 2: Rules for the structure and drafting of International Standards*]

- “shall”: indicates requirements strictly to be followed in order to conform with the standard.
- “should”: indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required. A ‘should requirement’ can be met in an equivalent way provided this can be demonstrated and justified.
- “may”: indicates a course of action permissible within the limits of the document.
- “can”: is used for statements of possibility and capability, whether material, physical or causal.

# LISTS OF FSC HIGHLY HAZARDOUS PESTICIDES

## Background

FSC takes into account the toxic characteristics for humans and the environment of chemical pesticides, and identifies highly hazardous pesticides using internationally recognized hazard groups and criteria, and the associated indicators and thresholds listed in Annex 1 of <[FSC-POL-30-001 FSC Pesticides Policy](#)>.

The hazard groups and criteria are identified by colours in Annex 1 of the Policy:

Hazard group	Number	Criteria
Relevant International Agreements or Conventions	1	Relevant International Agreements or conventions
Acute toxicity	2	Acute toxicity to mammals and birds
Chronic toxicity	3	Carcinogenicity
	4	Mutagenicity to mammals
	5	Developmental and reproductive toxicity
	6	Endocrine disrupting chemical (EDC)
Environmental toxicity	7	Acute toxicity to aquatic organisms
	8	Persistence in soil or water and low sorption potential and bio-magnification and bio-accumulation
Dioxins	9	Dioxins (residues or emissions)
Heavy metals	10	Heavy metals

To support The Organization to reduce and phase out the use of chemical pesticides following a stepwise approach, FSC has prioritized the hazard groups and the criteria to identify highly hazardous pesticides (HHPs) and categorized HHPs as follows:

- a. FSC prohibited HHPs.
- b. FSC highly restricted HHPs.
- c. FSC restricted HHPs.

## List of FSC Prohibited HHPs

The FSC list of prohibited HHPs includes chemical pesticides that:

- are listed or recommended for listing under Annex A (elimination) of the Stockholm Convention on Persistent Organic Pollutants or Annex III of the Rotterdam Convention on the Prior Informed Consent Procedure or listed under the Montreal Protocol on Substances that Deplete the Ozone Layer; or,
- are acutely toxic and can induce cancer (carcinogenic and likely to be carcinogenic); or,
- contain dioxins; or,
- contain heavy metals.

Note: The coloured criteria and indicators are considered to classify HHPs as FSC prohibited pesticides.

The pesticide active ingredients in groups and their CAS number are listed in the last section of this document.

FSC PROHIBITED LIST 50 pesticides (including heavy metals and dioxins)			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
1	34256-82-1	Acetochlor		REC <sup>1</sup>										•	•				
2	15972-60-8	Alachlor		•											•				
3	116-06-3	Aldicarb		•		•	•	•								•			

<sup>1</sup> REC = Recommended for listing under the relevant convention.



**FSC PROHIBITED LIST**  
50 pesticides (including heavy metals and dioxins)

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc. (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
4	319-84-6	Alpha hexachlorocyclohexane	•																
5	Group	Arsenic and its compounds							•										•
6	86-50-0	Azinphos-methyl		•		•	•	•							•				
7	319-85-7	Beta-hexachlorocyclohexane	•																
8	Group	Cadmium compounds																	•
9	2425-06-1	Captafol		•		•			•	•	•								
10	1563-66-2	Carbofuran		•		•	•	•							•				
11	55285-14-8	Carbosulfan		REC			•	•							•				
12	2439-01-2	Chinomethionat					•			•					•				
13	57-74-9	Chlordane	•	•			•			•				•					
14	1897-45-6	Chlorothalonil						•		•					•				
15	50-29-3	DDT	• <sup>2</sup>	•			•			•				•	•				
16	333-41-5	Diazinon					•			•					•				
17	115-32-2	Dicofol	REC																
18	Group	DNOC and its salts		•		•	•	•											
19	106-93-4	Ethylene dibromide; EDB		•			•			•				•					
20	115-29-7	Endosulfan	•	•			•	•		•					•				

<sup>2</sup> DDT is listed under Annex B (restriction)

**FSC PROHIBITED LIST**  
50 pesticides (including heavy metals and dioxins)

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc. (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
21	13194-48-4	Ethoprophos				•	•	•		•						•			
22	56-38-2	Parathion; Parathion-ethyl		•		•	•	•								•			
23	107-06-2	Ethylene dichloride; ;1,2-Dichloroethane		•						•									
24	75-21-8	Ethylene oxide		•						•	•								
25	55-38-9	Fenthion		REC			•									•			
26	640-19-7	Fluoroacetamide		•		•	•												
27	98-01-1	Furfural					•												
28	608-73-1	HCH (mixed isomers)		•										•					
29	118-74-1	Hexachlorobenzene	•	•		•				•				•	•				
30	36734-19-7	Iprodione		REC															
31	58-89-9	Lindane; gamma-HCH	•	•			•							•	•				
32	Group	Mercury and its compounds																	•
33	72-43-5	Methoxychlor	REC											•	•				
34	74-83-9	Methyl bromide			•		•												
35	556-61-6	Methyl isothiocyanate; MITC					•		•										
36	6923-22-4	Monocrotophos		•		•	•	•								•			
37	4685-14-7; 1910-42-5	Paraquat dichloride		REC			•	•											

**FSC PROHIBITED LIST**  
50 pesticides (including heavy metals and dioxins)

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc. (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
38	298-00-0	Parathion-methyl		SHPF <sup>3</sup>		•	•	•							•				
39	87-86-5; 131-52-2; 27735-64-4; 3772-94-9; 1825-21-4	Pentachlorophenol; PCP and its salts and esters		•		•	•	•		•				•		•			
40	298-02-2	Phorate		•		•	•								•				
41	13171-21-6; 297-99-4	Phosphamidon		•		•	•								•				
42	23103-98-2	Pirimicarb					•			•					•				
43	1918-16-7	Propachlor					•			•									
44	114-26-1	Propoxur					•			•									
45	82-68-8	Quintozene; PCNB															•		
46	13071-79-9	Terbufos		REC		•	•								•				
47	112281-77-3	Tetraconazole					•			•									
48	111988-49-9	Thiacloprid					•			•		•							
49	59669-26-0	Thiodicarb					•			•					•				
50	52-68-6	Trichlorfon		•									•		•				

<sup>3</sup> SHPF = Severely hazardous pesticide formulation

### Active ingredients in groups in the prohibited list

Group	CAS Number	Pesticide active ingredient
Arsenic and its compounds	1303-28-2	Arsenic pentoxide
Arsenic and its compounds	12044-50-7	Arsenic pentoxide hydrate
Arsenic and its compounds	1327-53-3	Arsenic trioxide
Arsenic and its compounds	124-65-2	Cacolydate; sodium dimethylarsinate
Arsenic and its compounds	7778-44-1	Calcium arsenate
Arsenic and its compounds	75-60-5	Chromated copper arsenate; CCA
Arsenic and its compounds	7778-41-8	Copper arsenate
Arsenic and its compounds	144-21-8	DSMA; Disodium methanearsonate
Arsenic and its compounds	7784-40-9	Lead arsenate
Arsenic and its compounds	124-58-3	MAA, methylarsonic acid
Arsenic and its compounds	2163-80-6	MSMA
Arsenic and its compounds	5902-95-4	MSMA, calcium salt
Arsenic and its compounds	12002-03-8	Paris Green
Arsenic and its compounds	13464-38-5	Sodium arsenate
Arsenic and its compounds	7784-46-5	Sodium arsenite

Group	CAS Number	Pesticide active ingredient
Cadmium compounds	22750-54-5	Cadmium chlorate
Cadmium compounds	1306-23-6	Cadmium sulfide

Group	CAS Number	Pesticide active ingredient
DNOC and its salts	534-52-1	DNOC
DNOC and its salts	2980-64-5	DNOC, ammonium salt
DNOC and its salts	5787-96-2	DNOC, potassium salt
DNOC and its salts	2312-76-7	DNOC, sodium salt

Group	CAS Number	Pesticide active ingredient
Mercury and its compounds	4665-55-8	2-Acetoxymercuricethanol phenylmercuric lactate
Mercury and its compounds	1319-86-4	Chloromethoxypropylmercuric acetate; CPMA
Mercury and its compounds	502-39-6	cyanomethylmercuricguanidine
Mercury and its compounds	27236-65-3	Diphenylmercurydodecenylsuccinate; PMDS
Mercury and its compounds	17140-73-7	hydroxymercuri-o-nitrophenol
Mercury and its compounds	1600-27-7	mercuric acetate
Mercury and its compounds	7487-94-7	mercuric chloride
Mercury and its compounds	21908-53-2	Mercuric oxide
Mercury and its compounds	7546-30-7	mercurous chloride
Mercury and its compounds	7439-97-6	mercury
Mercury and its compounds	1336-96-5	mercury naphthenate
Mercury and its compounds	1191-80-6	mercury oleate
Mercury and its compounds	14024-55-6	mercury pentanedione
Mercury and its compounds	589-66-9	mercury phenate
Mercury and its compounds	151-38-2	Methoxyethylmercuric acetate
Mercury and its compounds	123-88-6	Methoxyethylmercuric chloride
Mercury and its compounds	2597-95-7	methylmercury 2,3 dihydroxypropyl mercaptide
Mercury and its compounds	86-85-1	methylmercury 8-quinolinolate
Mercury and its compounds	108-07-6	methylmercury acetate
Mercury and its compounds	3626-13-9	methylmercury benzoate
Mercury and its compounds	1184-57-2	methylmercury hydroxide
Mercury and its compounds	2591-97-9	methylmercury nitrite
Mercury and its compounds	5903-10-6	methylmercury propionate
Mercury and its compounds	2279-64-3	N-phenylmercuric urea
Mercury and its compounds	54-64-8	phenylethylmercuric salicylate
Mercury and its compounds	53404-67-4	phenylmercuric ammonium acetate
Mercury and its compounds	53404-68-5	phenylmercuric ammonium propionate
Mercury and its compounds	102-98-7	phenylmercuric borate
Mercury and its compounds	53404-69-6	phenylmercuric carbonate
Mercury and its compounds	100-56-1	phenylmercuric chloride
Mercury and its compounds	32407-99-1	phenylmercuric dimethyldithiocarbamate

<b>Group</b>	<b>CAS Number</b>	<b>Pesticide active ingredient</b>
Mercury and its compounds	22894-47-9	phenylmercuric formamide
Mercury and its compounds	100-57-2	phenylmercuric hydroxide
Mercury and its compounds	122-64-5	phenylmercuric lactate
Mercury and its compounds	unknown	phenylmercuric laurylmercaptide
Mercury and its compounds	5822-97-9	phenylmercuric monoethanol ammonium acetate
Mercury and its compounds	53404-70-9	phenylmercuric monoethanol ammonium lactate
Mercury and its compounds	31632-68-5	phenylmercuric naphthenate
Mercury and its compounds	55-68-5	phenylmercuric nitrate
Mercury and its compounds	104-68-9	Phenylmercuric oleate; PMO
Mercury and its compounds	103-27-5	phenylmercuric propionate
Mercury and its compounds	28086-13-7	phenylmercuric salicylate
Mercury and its compounds	16751-55-6	phenylmercuric thiocyanate
Mercury and its compounds	23319-66-6	phenylmercuric threthanolammonium lactate
Mercury and its compounds	13302-00-6	phenylmercuric-2-ethylhexonate
Mercury and its compounds	26114-17-0	phenylmercuric-8-quinolinate
Mercury and its compounds	62-38-4	Phenylmercury acetate; PMA

## List of FSC Highly Restricted HHPs

The FSC list of highly restricted HHPs includes any chemical pesticide belonging to 2 or 3 out of 3 hazard groups. This means that the active ingredients that are included in this list present:

- Acute toxicity AND chronic toxicity AND environmental toxicity, OR
- Acute toxicity AND chronic toxicity, OR
- Acute toxicity AND environmental toxicity, OR
- Chronic toxicity AND environmental toxicity

Note: The coloured criteria and indicators are considered to classify HHPs as highly restricted.

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50 < 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
1	71751-41-2	Abamectin				•	•	•								•			
2	107-02-8	Acrolein				•	•	•								•			
3	67375-30-8	Alpha-cypermethrin					•									•			
4	20859-73-8	Aluminum phosphide					•	•								•			
5	35575-96-3	Azamethiphos					•									•			
6	2642-71-9	Azinphos-ethyl				•	•	•								•			
7	41083-11-8	Azocyclotin					•	•								•			
8	22781-23-3	Bendiocarb					•									•			

**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
9	82560-54-1	Benfuracarb					•									•			
10	1072957-71-1	Benzovindiflupyr					•									•			
11	68359-37-5b	Beta-cyfluthrin; Cyfluthrin				•	•	•								•			
12	65731-84-2	Beta-Cypermethrin					•									•			
13	82657-04-3	Bifenthrin					•								•	•			
14	56073-10-0	Brodifacoum				•	•	•					•			•			
15	28772-56-7	Bromadiolone				•	•	•					•						
16	63333-35-7	Bromethalin				•	•									•			
17	4824-78-6	Bromophos-ethyl				•										•			
18	1689-84-5	Bromoxynil					•	•								•			
19	1689-99-2	Bromoxynil octanoate					•									•			
20	3861-41-4	Bromoxynil butyrate					•	•								•			
21	95465-99-9	Cadusafos				•	•									•			
22	1305-99-3	Calcium phosphide					•	•								•			
23	63-25-2	Carbaryl								•				•		•			
24	15263-52-2	Cartap hydrochloride					•									•			
25	54593-83-8	Chlorethoxyfos				•	•									•			
26	122453-73-0	Chlorfenapyr					•									•			
27	470-90-6	Chlorfenvinphos				•	•									•			
28	3691-35-8	Chlorophacinone				•	•	•					•						



**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
29	76-06-2	Chloropicrin						•								•			
30	2921-88-2	Chlorpyrifos					•									•			
31	1333-22-8	Copper sulfate (tribasic); copper hydroxide sulfate					•									•			
32	20427-59-2	Copper hydroxide; cupric hydroxide						•								•			
33	56-72-4	Coumaphos				•	•									•			
34	5836-29-3	Coumatetralyl				•	•	•					•						
35	68359-37-5	Cyfluthrin				•	•									•			
36	68085-85-8	Cyhalothrin				•	•									•			
37	52315-07-8	Cypermethrin				•	•									•			
38	94361-06-5	Cyproconazole										•							
39	52918-63-5	Deltamethrin					•									•			
40	919-86-8	Demeton-S-methyl				•	•									•			
41	62-73-7	Dichlorvos; DDVP				•	•	•								•			
42	141-66-2	Dicrotophos				•	•									•			
43	56073-07-5	Difenacoum				•	•	•				•							
44	104653-34-1	Difethialone				•	•	•				•				•			
45	60-51-5	Dimethoate					•									•			
46	2274-67-1	Dimethylvinphos					•									•			
47	149961-52-4	Dimoxystrobin												•	•	•			

**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
48	973-21-7	Dinobuton					•									•			
49	39300-45-3	Dinocap										•				•			
50	1420-07-1	Dinoterb				•	•					•				•			
51	85-00-7	Diquat dibromide					•	•								•			
52	298-04-4	Disulfoton				•	•									•			
53	17109-49-8	Edifenphos				•	•									•			
54	155569-91-8	Emamectin benzoate					•									•			
55	2104-64-5	EPN				•	•									•			
56	66230-04-4	Esfenvalerate					•									•			
57	563-12-2	Ethion					•									•			
58	22224-92-6	Fenamiphos				•	•	•								•			
59	120928-09-8	Fenazaquin					•									•			
60	13356-08-6	Fenbutatin oxide						•								•			
61	122-14-5	Fenitrothion					•							•		•			
62	39515-41-8; 64257-84-7	Fenpropathrin					•	•								•			
63	134098-61-6	Fenpyroximate						•								•			
64	900-95-8	Fentin acetate					•	•						•	•	•			
65	76-87-9	Fentin hydroxide					•	•						•	•	•			
66	120068-37-3	Fipronil					•									•			
67	90035-08-8	Flocoumafen				•	•	•				•							

**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A & 1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
68	70124-77-5	Flucythrinate				•	•									•			
69	117337-19-6	Fluthiacet-methyl								•						•			
70	22259-30-9	Formetanate				•	•	•								•			
71	23422-53-9	Formetanate hydrochloride					•	•								•			
72	65907-30-4	Furathiocarb				•	•	•								•			
73	76703-62-3	gamma-cyhalothrin					•									•			
74	111872-58-3	Halfenprox					•									•			
75	23560-59-0	Heptenophos				•	•									•			
76	138261-41-3	Imidacloprid					•									•			
77	1689-83-4	loxynil					•								•				
78	3861-47-0	loxynil octanoate					•									•			
79	2631-40-5	Isoprocarb					•									•			
80	881685-58-1	Isopyrazam								•			•			•			
81	18854-01-8	Isoxathion				•	•									•			
82	91465-08-6	lambda-Cyhalothrin					•	•						•		•			
83	12057-74-8	Magnesium phosphide					•	•								•			
84	121-75-5	Malathion							•							•			
85	12427-38-2	Maneb								•					•	•			
86	2595-54-2	Mecarbam				•	•									•			
87	950-37-8	Methidathion				•	•									•			

**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
88	2032-65-7	Methiocarb				•	•									•			
89	16752-77-5	Methomyl				•	•									•			
90	21087-64-9	Metribuzin					•								•				
91	7786-34-7	Mevinphos				•	•									•			
92	300-76-5	Naled					•									•			
93	1113-02-6	Omethoate				•	•								•	•			
94	2597-03-7	Phenthoate					•									•			
95	2310-17-0	Phosalone					•									•			
96	732-11-6	Phosmet					•									•			
97	7803-51-2	Phosphine						•								•			
98	14816-18-3	Phoxim					•									•			
99	2312-35-8	Propargite								•						•			
100	31218-83-4	Propetamphos				•	•									•			
101	34643-46-4	Prothiofos					•									•			
102	77458-01-6	Pyraclufos					•									•			
103	13457-18-6	Pyrazophos					•									•			
104	96489-71-3	Pyridaben					•									•			
105	13593-03-8	Quinalphos					•								•	•			
106	10453-86-8	Resmethrin								•					•	•			
107	148477-71-8	Spirodiclofen								•	•				•	•			

**FSC HIGHLY RESTRICTED LIST**  
122 pesticides

FSC HIGHLY RESTRICTED LIST 122 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
ID	CAS number	Pesticide active ingredient	Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (la and lb)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
108	3689-24-5	Sulfotep				•	•									•			
109	21564-17-0	TCMTB						•								•			
110	96182-53-5	Tebupirimfos				•	•									•			
111	79538-32-2	Tefluthrin				•	•	•								•			
112	22248-79-9	Tetrachlorvinphos								•						•			
113	137-26-8	Thiram												•		•			
114	129558-76-5	Tolfenpyrad					•									•			
115	731-27-1	Tolyfluanid								•						•			
116	66841-25-6	Tralomethrin					•									•			
117	112143-82-5	Triazamate					•									•			
118	24017-47-8	Triazophos				•	•									•			
119	81-81-2	Warfarin				•	•	•				•				•			
120	1315501-18-8	zeta-Cypermethrin					•									•			
121	1314-84-7	Zinc phosphide				•	•	•								•			
122	137-30-4	Ziram					•	•			•					•			

## List of FSC Restricted HHPs

The FSC list of restricted HHPs includes any chemical pesticide belonging to 1 out of 3 hazard groups. It means that in this list are included active ingredients that present:

- Acute toxicity OR chronic toxicity OR environmental toxicity

Note: The coloured criteria and indicators are used to classify HHPs as restricted.

The pesticide active ingredients in groups and their CAS number are listed in the last section of this document.

FSC RESTRICTED LIST 216 pesticides			INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
ID	CAS number	Pesticide active ingredient	1.1.a Stockholm (POP)	1.1.b Rotterdam (PIC)	1.1.c Montreal	2.1.a Extremely or highly hazardous (la and lb)(WHO)	2.1.b Acute toxicity mammals and birds LD50< 200mg/kg body weight	2.1.c Fatal if inhaled (H330) (GHS)	3.1.a Carcinogen and probable carc. (1 and 2A) (IARC)	3.1.b Carcinogen and probable carc (US EPA)	3.1.c Carcinogen and probable carc. (1A &1B) (EU GHS)	4.1.a Mutagen and probable mut. (1A and 1B) (EU GHS)	5.1.a Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	6.1.a Category 1 (EDC EU)	6.1.b Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	7 Aquatic Toxicity (LC/EC 50 <50 µg/l)	8 Environmental toxicity (Persistent; Bioaccumulation; Leaching)	9 Dioxin	10 Heavy Metal
1	542-75-6	1,3-dichloropropene; Telone					•												
2	94-75-7	2,4-D					•												
3	94-82-6	2,4-DB													•				
4	504-24-5	4-aminopyridine					•												
5	133-32-4	4-Indol-3-ylbutyric acid					•												
6	148-24-3	8-hydroxyquinoline											•						
7	30560-19-1	Acephate					•												
8	57960-19-7	Acequinocyl														•			
9	135410-20-7	Acetamiprid					•												
10	101007-06-1	Acrinathrin					•									•			
11	96-24-2	Alpha-chlorohydrin				•	•												

**FSC RESTRICTED LIST**  
216 pesticides

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
12	348635-87-0	Amisulbrom														•			
13	33089-61-1	Amitraz														•			
14	61-82-5	Amitrole													•				
15	90640-80-5	Anthracene oil									•								
16	84-65-1	Anthraquinone								•	•								
17	1912-24-9	Atrazine													•				
18	60207-31-0	Azaconazole					•												
19	68049-83-2	Azafenidin											•						
20	17804-35-2	Benomyl										•	•						
21	177406-68-7	Benthiavalicarb-isopropyl									•								
22	584-79-2_b	Bioallethrin														•			
23	28434-01-7	Bioresmethrin														•			
24	2079-00-7	Blasticidin-S				•													
25	Group	Borax; Borate salts											•						
26	10043-35-3	Boric acid											•		•				
27	56634-95-8	Bromoxynil heptanoate														•			
28	2961-68-4	Bromoxynil-potassium					•	•											
29	52-51-7	Bronopol					•												
30	23184-66-9	Butachlor									•								
31	34681-10-2	Butocarboxim				•	•												
32	34681-23-7	Butoxycarboxim				•													
33	592-01-8	Calcium cyanide				•	•												

**FSC RESTRICTED LIST**  
216 pesticides

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
34	133-06-2	Captan														•			
35	10605-21-7	Carbendazim										•	•						
36	16118-49-3	Carbetamide											•						
37	15879-93-3	Chloralose					•												
38	500008-45-7	Chlorantraniliprole														•			
39	71422-67-8	Chlorfluazuron														•			
40	24934-91-6	Chlormephos				•	•												
41	79-11-8	Chloroacetic acid					•												
42	67-66-3	Chloroform												•	•				
43	120-32-1	Chlorophene												•	•				
44	15545-48-9	Chlorotoluron												•	•				
45	5598-13-0	Chlorpyrifos-methyl														•			
46	67-97-0	Cholecalciferol					•	•											
47	74115-24-5	Clofentezine														•			
48	65996-82-9	Coal tar oils									•	•							
49	1332-40-7	Copper oxychloride					•												
50	8001-58-9	Creosote								•									
51	21725-46-2	Cyanazine					•												
52	560121-52-0	Cyenopyrafen														•			
53	13121-70-5	Cyhexatin														•			
54	39515-40-7	Cyphenothrin														•			
55	121552-61-2	Cyprodinil														•			



**FSC RESTRICTED LIST**  
216 pesticides

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
56	1596-84-5	Daminozide								•									
57	80060-09-9	Diafenthiuron														•			
58	1085-98-9	Dichlofluanid														•			
59	51338-27-3	Diclofop-methyl								•									
60	35367-38-5	Diflubenzuron														•			
61	130339-07-0	Diflumetorim														•			
62	271241-14-6	Dimefluthrin														•			
63	22936-75-0	Dimethametryn															•		
64	110488-70-5	Dimethomorph										•							
65	624-92-0	Dimethyl disulfide					•												
66	82-66-6	Diphacinone				•	•												
67	4032-26-2	Diquat dichloride						•											
68	330-54-1	Diuron								•									
69	2439-10-3	Dodine														•			
70	297-99-4	E-Phosphamidon				•													
71	54406-48-3	Empenthrin														•			
72	145-73-3	Endothal					•												
73	2164-07-0	Endothal-dipotassium					•												
74	106-89-8	Epichlorohydrin								•									
75	133855-98-8; 106325-08-0	Epoxiconazole								•		•	•						
76	50-14-6	Ergocalciferol					•	•											

**FSC RESTRICTED LIST**  
216 pesticides

ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
77	29973-13-5	Ethiofencarb				•	•												
78	96-45-7	Ethylene thiourea											•						
79	80844-07-1	Etofenprox														•			
80	153233-91-1	Etoazole														•			
81	2593-15-9	Etridiazole								•									
82	131807-57-3	Famoxadone														•			
83	52-85-7	Famphur				•	•												
84	60168-88-9	Fenarimol													•				
85	103112-35-2	Fenclorazole-ethyl								•									
86	3766-81-2	Fenobucarb														•			
87	72490-01-8	Fenoxycarb								•									
88	517875-34-2	Fenpicoxamid														•			
89	668-34-8	Fentin					•												
90	51630-58-1	Fenvalerate														•			
91	69806-50-4	Fluazifop-butyl										•							
92	79622-59-6	Fluazinam														•			
93	174514-07-9	Fluazolate														•			
94	33245-39-5	Fluchloralin														•			
95	101463-69-8	Flufenoxuron														•			
96	62924-70-3	Flumetralin														•			
97	136426-54-5	Fluquinconazole					•												
98	85509-19-9	Flusilazole										•							

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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
99	106917-52-6	Flusulfamide					•												
100	133-07-3	Folpet								•									
101	50-00-0	Formaldehyde							•	•	•								
102	98886-44-3	Fosthiazate					•												
103	121776-33-8	Furilazole								•									
104	77182-82-2	Glufosinate-ammonium										•							
105	Group	Glyphosate and its salts							•										
106	108173-90-6	Guazatine						•											
107	69806-40-2	Haloxyfop-methyl								•									
108	86479-06-3	Hexaflumuron														•			
109	78587-05-0	Hexythiazox								•									
110	74-90-8	Hydrogen cyanide					•	•											
111	420-04-2	Hydrogen cyanamide												•	•				
112	35554-44-0	Imazalil								•									
113	140163-89-9	Imicyafos					•												
114	57520-17-9	Iminoctadine triacetate					•												
115	72963-72-5	Imiprothrin														•			
116	173584-44-6	Indoxacarb					•												
117	2961-62-8	Ioxynil-sodium					•												
118	140923-17-7	Iprovalicarb								•									
119	24353-61-5	Isocarbophos					•												
120	99675-03-3	Isofenphos-methyl					•												

**FSC RESTRICTED LIST**  
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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
121	141112-29-0	Isoxaflutole								•									
122	58769-20-3	Kadethrin								•						•			
123	143390-89-0	Kresoxim-methyl								•									
124	330-55-2	Linuron										•			•				
125	103055-07-8	Lufenuron														•			
126	8018-01-7	Mancozeb								•			•		•				
127	110235-47-7	Mepanipyrim								•									
128	131-72-6	Meptyldinocap														•			
129	108-62-3	Metaldehyde					•												
130	137-41-7	Metam-potassium								•					•				
131	137-42-8	Metam-sodium								•					•				
132	10265-92-6	Methamidophos				•	•	•											
133	9006-42-2	Metiram								•					•				
134	240494-70-6	Metofluthrin														•			
135	74-88-4	Methyl iodide; Iodomethane					•												
136	51596-10-2; 51596-11-3	Milbemectin														•			
137	Group	Mineral oils; paraffin oils cont. >3%DMSO								•									
138	2212-67-1	Molinate											•		•				
139	71526-07-3	MON 4660; AD 67								•									
140	142-59-6	Nabam														•			

**FSC RESTRICTED LIST**  
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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
141	54-11-5	Nicotine				•	•	•											
142	1929-82-4	Nitrapyrin					•												
143	98-95-3	Nitrobenzene											•						
144	116714-46-6	Novaluron														•			
145	121451-02-3	Noviflumuron														•			
146	63284-71-9	Nuarimol															•		
147	19044-88-3	Oryzalin								•									
148	19666-30-9	Oxadiazon								•									
149	23135-22-0	Oxamyl				•	•	•											
150	301-12-2	Oxydemeton-methyl				•	•												
151	42874-03-3	Oxyfluorfen								•									
152	52645-53-1	Permethrin														•			
153	26002-80-2	Phenothrin														•			
154	1918-02-1	Picloram													•				
155	117428-22-5	Picoxystrobin														•			
156	83-26-1	Pindone					•												
157	24151-93-7	Piperophos														•			
158	29232-93-7	Pirimiphos-methyl														•			
159	299-45-6	Potasan						•											
160	23031-36-9	Prallethrin														•			
161	32809-16-8	Procymidone								•					•				
162	41198-08-7	Profenofos													•				

**FSC RESTRICTED LIST**  
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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
163	139001-49-3	Profoxydim												•	•				
164	709-98-8	Propanil					•												
165	60207-90-1	Propiconazole											•						
166	12071-83-9	Propineb								•									
167	75-56-9	Propylene oxide, Oxirane								•	•								
168	123312-89-0	Pymetrozine								•									
169	175013-18-0	Pyraclostrobin								•						•			
170	129630-19-9	Pyraflufen-ethyl								•									
171	6814-58-0	Pyrazachlor								•									
172	108-34-9	Pyrazoxone						•											
173	8003-34-7	Pyrethrins														•			
174	119-12-0	Pyridaphenthion					•												
175	337458-27-2	Pyrifluquinazon														•			
176	135186-78-6	Pyriktalid														•			
177	105779-78-0	Pyrimidifen					•												
178	200509-41-7	Quizalofop-p-tefuryl											•	•					
179	83-79-4	Rotenone														•			
180	127-90-2	S421					•												
181	105024-66-6	Silafluofen										•							
182	143-33-9	Sodium cyanide				•	•												
183	62-74-8	Sodium fluoroacetate (1080)				•	•	•											
184	283594-90-1	Spiromesifen														•			

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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
185	57-24-9	Strychnine				•													
186	4151-50-2	Sulfluramid		4			•												
187	2699-79-8	Sulfuryl fluoride					•												
188	102851-06-9	Tau-fluvalinate														•			
189	119168-77-3	Tebufenpyrad														•			
190	83121-18-0	Teflubenzuron														•			
191	3383-96-8	Temephos														•			
192	149979-41-9	Tepraloxym												•	•				
193	33693-04-8	Terbumeton															•		
194	886-50-0	Terbutryn													•				
195	7696-12-0	Tetramethrin														•			
196	71697-59-1	theta-cypermethrin					•									•			
197	31895-21-3	Thiocyclam														•			
198	39196-18-4	Thiofanox				•	•												
199	640-15-3	Thiometon				•	•												
200	23564-05-8	Thiophanate-methyl								•									
201	29547-00-0	Thiosultap-monosodium					•												
202	62-56-6	Thiourea											•	•					
203	118712-89-3	Transfluthrin													•				

<sup>4</sup> Listed in Annex III in the category industrial chemical, not as pesticide.

**FSC RESTRICTED LIST**  
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ID	CAS number	Pesticide active ingredient	INTERNATIONAL CONVENTIONS			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY		DIOXINS & HEAVY METALS		
			1.1.a	1.1.b	1.1.c	2.1.a	2.1.b	2.1.c	3.1.a	3.1.b	3.1.c	4.1.a	5.1.a	6.1.a	6.1.b	7	8	9	10
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely or highly hazardous (Ia and Ib)(WHO)	Acute toxicity mammals and birds LD50< 200mg/kg body weight	Fatal if inhaled (H330) (GHS)	Carcinogen and probable carc. (1 and 2A) (IARC)	Carcinogen and probable carc (US EPA)	Carcinogen and probable carc. (1A &1B) (EU GHS)	Mutagen and probable mut. (1A and 1B) (EU GHS)	Reproductive toxicant and probable repr. tox. (1A and 1B) (EU GHS)	Category 1 (EDC EU)	Suspected carcinogen (Cat. 2)(GHS) and Endocrine Disruptor (Cat. 2) (GHS)	Aquatic Toxicity (LC/EC 50 <50 µg/l)	Environmental toxicity (Persistent; Bioaccumulation; Leaching)	Dioxin	Heavy Metal
204	55219-65-3	Triadimenol											•						
205	72459-58-6	Triazoxide					•												
206	78-48-8	Tribufos					•												
207	81412-43-3	Tridemorph											•						
208	141517-21-7	Trifloxystrobin														•			
209	68694-11-1; 99387-89-0	Triflumizole											•						
210	64628-44-0	Triflumuron														•			
211	1582-09-8	Trifluralin															•		
212	2275-23-2	Vamidothion				•	•												
213	50471-44-8	Vinclozolin											•				•		
214	2655-14-3	XMC					•												
215	12122-67-7	Zineb																•	
216	160791-64-0	ZXI 8901; Brofluthrinat														•			



### Active ingredients in groups in the restricted list

Group	CAS Number	Pesticide active ingredient
Borax; Borate salts	12008-41-2	Borax, disodium octaborate anhydrous
Borax; Borate salts	12280-03-4	Borax, disodium octaborate tetrahydrate
Borax; Borate salts	1303-96-4	Borax, disodium tetraborate decahydrate

Group	CAS Number	Pesticide active ingredient
Glyphosate and its salts	1071-83-6	Glyphosate
Glyphosate and its salts	69254-40-6	Glyphosate-diammonium
Glyphosate and its salts	38641-94-0	Glyphosate-isopropylammonium (IPA; -isopropylamine)
Glyphosate and its salts	40465-66-5	Glyphosate-monoammonium
Glyphosate and its salts	34494-03-6	Glyphosate-sodium
Glyphosate and its salts	81591-81-3	Glyphosate-trimesium

Group	CAS Number	Pesticide active ingredient
Paraffin oils; mineral oils cont. > 3%DMSO	64741-88-4	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64741-89-5	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64741-97-5	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64742-46-7	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64742-54-7	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64742-55-8	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64742-65-0	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	64742-95-6	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	72623-86-0	Paraffin oil
Paraffin oils; mineral oils cont. > 3%DMSO	97862-82-3	Paraffin oil



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