



Forest Stewardship Council®



FSC Lists of highly hazardous pesticides

FSC-POL-30-001a EN


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DRAFT 1-0

The Forest Stewardship Council® (FSC) is an independent, not for profit, non-government organization established to promote environmentally appropriate, socially beneficial, and economically viable management of the world's forests.

FSC's vision is that the world's forests meet the social, ecological, and economic rights and needs of the present generation without compromising those of future generations.

A Objective

This addendum lists chemical pesticides that meet the indicators and thresholds set out in Annex 1 of FSC-POL-30-001 V3-0 FSC Pesticides Policy, and therefore are considered to be highly hazardous in the FSC system.

B Scope

This addendum is mandatory for FSC certificate holders (and applicants for certification) and FSC-accredited certification bodies.

Explanatory note for public consultation

For the purpose of this consultation, we have used the existing FSC list of highly hazardous pesticides updated in 2015 and included in the document FSC-STD-30-001a (<https://ic.fsc.org/en/document-center/id/75>) and reorganized the HHPs listed in the document according to the proposed categories.

The HHP list has not been updated at this stage.

The HHP list is dynamic and HHPs can fall off the list or new HHPs can be added as science changes.

With the new approach, this implies also that HHPs can move from a list to another as science advances.

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 the 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 Organizations 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.

This categorization results in the lists included in Part I below.

Part I – Lists of FSC highly hazardous pesticides

Prohibited list

The FSC list of prohibited HHP includes chemical pesticides:

- listed in the International Conventions (Stockholm Convention, Rotterdam Convention or Montreal Protocol)
- acutely toxic and that can induce cancer (carcinogenic and likely to be carcinogenic)
- containing dioxins
- containing heavy metals

Note: In the FSC list of prohibited HHP, only the criterion carcinogenicity is considered, but not the other criteria within the hazard group chronic toxicity.

FSC PROHIBITED LIST 31 pesticides + heavy metals + dioxins			Int. conventions			Acute toxicity			Carcinogen (chronic toxicity)			Dioxins and heavy metals
Id	CAS Number	Pesticide active ingredient	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	9.1.a 10.1 a/b/c/d
			Stockholm (POP)	Rotterdam (PIC)	Montreal	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled* (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	dioxins at a level of 11 part per trillion or greater of tetrachlorodibenzo-p-dioxin (TCDD) equivalent (TEQ), or it produces such an amount of dioxin(s) when burned.
1	542-75-6	1,3-dichloropropene					•			•		
2	15972-61-8	alachlor	•									
3	116-16-3	aldicarb	•			•	•	•				
4	Group *	Arsen and its compounds							•			ARSENIC
5	86-51-1	azinphos-methyl	•			•	•	•				
6	618-73-1	BHC mixed isomers	•							•		
7	Group *	Cadmium and its compounds										CADMIUM
8	2425-16-1	captafol	•			•			•	•	•	
9	2439-11-2	chinomethionat					•			•		
10	57-74-9	chlordane	•	•			•			•		
11	1897-45-6	chlorothalonil						•		•		
12	51-29-3	DDT	•	•			•			•		
13	333-41-5	diazinon					•		•			
14	Group *	DNOC and its salts	•			•	•	•				
15	116-93-4	EDB; ethylene dibromide	•				•		•	•	•	
16	115-29-7	endosulfan	•	•			•	•				
17	13194-48-4	ethoprophos				•	•	•		•		
18	56-38-2	ethyl-parathion	•			•	•	•				

FSC PROHIBITED LIST
31 pesticides + heavy metals + dioxins

Id	CAS Number	Pesticide active ingredient	Int. conventions			Acute toxicity			Carcinogen (chronic toxicity)			Dioxins and 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	9.1.a 10.1 a/b/c/d
			Stockholm (POP)	Rotterdam (PIC)	Montreal la/lb	Extremely hazardous WHO	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled* (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	dioxins at a level of 11 part per trillion or greater of tetrachlorodibenzo-p-dioxin (TCDD) equivalent (TEQ), or it produces such an amount of dioxin(s) when burned.
19	641-19-7	fluoroacetamide	•			•	•					
20	118-74-1	hexachlorobenzene	•	•		•				•	•	
21	Group *	Lead and its compounds										LEAD
22	58-89-9	lindane; gamma-HCH	•	•			•					
23	Group *	Mercury and its compounds	•			•	•					MERCURY
24	74-83-9	methyl bromide			•		•					
25	6923-22-4	monocrotophos	•			•	•	•				
26	1929-82-4	nitrapyrin					•			•		
27	298-11-1	parathion-methyl	•			•	•	•				
28	87-86-5	PCP; pentachlorophenol	•			•	•	•		•		
29	13171-21-6	phosphamidon	•			•	•					
30	23113-98-2	pirimicarb					•			•		
31	1918-16-7	propachlor					•			•		
32	114-26-1	propoxur					•			•		
33	82-68-8	quintozene, PCNB										•
34	112281-77-3	tetraconazole					•			•		
35	111988-49-9	thiacloprid					•			•		
36	59669-26-1	thiodicarb					•			•		

Highly restricted list

The FSC list of highly restricted HHP 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 FSC list of highly restricted HHP excludes chemical pesticides already listed in the FSC prohibited HHP list, therefore International Conventions, dioxins and heavy metals are not mentioned among the criteria.

FSC HIGHLY RESTRICTED LIST 120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY								
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b		
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 31ml/d)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3		
				•	•								•							
			•	•	•								•							
				•									•							
				•	•								•							
				•									•							
			•	•									•							
				•	•									•						

FSC HIGHLY RESTRICTED LIST
120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category I/A/B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51> 91 days)	Low soil sorption coefficient (Koc < 311ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
8	22781–23–3	bendiocarb		•									•					
9	82561–54–1	benfuracarb		•									•					
10	68359–37–5b	beta-cyfluthrin; cyfluthrin	•	•									•					
11	65731–84–2	beta-cypermethrin		•									•					
12	82657–14–3	bifenthrin		•							•		•					
13	56173–11–1	brodifacoum	•	•	•					•			•					
14	28772–56–7	bromadiolone	•	•	•					•								
15	63333–35–7	bromethalin	•	•									•					
16	1689–99–2	bromoxynil octanate		•									•					
17	3861–41–4	bromoxynil-butyrate		•									•					
18	95465–99–9	cadusafos	•	•									•					
19	1315–99–3	calcium phosphide		•									•					
20	63–25–2	carbaryl					•				•		•					
21	1563–66–2	carbofuran	•	•	•								•					
22	55285–14–8	carbosulfan		•	•								•					
23	15263–52–2	cartap; cartap hydrochloride		•									•					
24	54593–83–8	chlorethoxyfos	•	•									•					
25	122453–73–1	chlorfenapyr		•									•					

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120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category I/A/B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51> 91 days)	Low soil sorption coefficient (Koc < 31ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
26	471–91–6	chlorfenvinphos	•	•									•					
27	3691–35–8	chlorophacinone	•	•	•					•								
28	76–16–2	chloropicrin			•								•					
29	2921–88–2	chlorpyrifos		•									•					
30	1333–22–8	copper sulfate (tribasic); copper hydroxide sulfate		•									•					
31	21427–59–2	copper(II) hydroxide; cupric hydroxide			•								•					
32	56–72–4	coumaphos	•	•									•					
33	5836–29–3	coumatetralyl	•	•	•					•								
34	1333–22–8	cupric sulfate-tricupric hydroxide		•									•					
35	68359–37–5	cyfluthrin	•	•	•								•					
36	68185–85–8	cyhalothrin		•									•					
37	52315–17–8	cypermethrin	•	•									•					
38	52918–63–5	deltamethrin		•							•		•					
39	919–86–8	demeton-S-methyl	•	•									•					
40	62–73–7	dichlorvos; DDVP	•	•	•								•					
41	141–66–2	dicrotophos	•	•									•					
42	56173–17–5	difenacoum	•	•	•					•								

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120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category 1a/1b	Reprotoxic GHS category 1a/1b	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/L, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 311ml/m²)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
43	114653–34–1	difethialone	•	•	•					•			•					
44	2274–67–1	dimethylvinphos		•									•					
45	149961–52–4	dimoxystrobin										•	•					
46	973–21–7	dinobuton		•									•					
47	39311–45–3	dinocap								•			•					
48	1421–17–1	dinoterb	•	•						•			•					
49	85–11–7	diquat dibromide		•	•								•					
50	298–14–4	disulfoton	•	•									•					
51	17119–49–8	edifenphos	•	•									•					
52	155569–91–8	emamectin benzoate		•									•					
53	2114–64–5	EPN	•	•									•					
54	66231–14–4	esfenvalerate		•									•					
55	563–12–2	ethion		•									•					
56	22224–92–6	fenamiphos	•	•	•								•					
57	121928–19–8	fenazaquin		•									•					
58	13356–18–6	fenbutatin oxide			•								•					
59	122–14–5	fenitrothion		•							•		•					
60	39515–41–8	fenpropathrin		•	•								•					
61	55–38–9	fenthion		•									•					

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FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/L, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 311ml/m)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
62	911–95–8	fentin acetate		•	•						•	•	•					
63	76–87–9	fentin hydroxide		•	•							•	•					
64	91135–18–8	flocoumafen	•	•	•					•								
65	71124–77–5	flucythrinate	•	•									•					
66	117337–19–6	fluthiacet					•						•					
67	22259–31–9	formetanate	•	•	•								•					
68	65917–31–4	furathiocarb	•	•	•								•					
69	76713–62–3	gamma-cyhalothrin		•									•					
70	111872–58–3	halfenprox		•									•					
71	23561–59–1	heptenophos	•	•									•					
72	1689–83–4	ioxynil		•							•							
73	3861–47–1	ioxynil octanoate		•									•					
74	2631–41–5	isoprocarb		•									•					
75	881685–58–1	isopyrazam					•						•					
76	18854–11–8	isoxathion	•	•									•					
77	91465–18–6	lambda-cyhalothrin		•	•						•		•					
78	12157–74–8	magnesium phosphide		•	•								•					
79	121–75–5	malathion				•							•					
80	12427–38–2	maneb					•				•		•					

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120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/L, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 311ml/m)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
81	2595–54–2	mecarbam	•	•									•					
82	951–37–8	methidathion	•	•									•					
83	2132–65–7	methiocarb	•	•									•					
84	16752–77–5	methomyl	•	•									•					
85	72–43–5	methoxychlor									•		•					
86	21187–64–9	metribuzin		•							•							
87	7786–34–7	mevinphos	•	•									•					
88	311–76–5	naled		•									•					
89	1113–12–6	omethoate	•	•							•		•					
90	52645–53–1	permethrin					•						•					
91	2597–13–7	phenthoate		•									•					
92	298–12–2	phorate	•	•									•					
93	2311–17–1	phosalone		•									•					
94	732–11–6	phosmet		•									•					
95	14816–18–3	phoxim		•									•					
96	2312–35–8	propargite					•						•					
97	31218–83–4	propetamphos	•	•									•					
98	34643–46–4	prothiofos		•									•					
99	77458–11–6	pyraclofos		•									•					

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120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 31 ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
100	13457–18–6	pyrazophos		•									•					
101	96489–71–3	pyridaben		•									•					
102	13593–13–8	quinalphos		•							•		•					
103	11453–86–8	resmethrin					•				•		•					
104	148477–71–8	spirodiclofen					•						•					
105	3689–24–5	sulfotep	•	•									•					
106	21564–17–1	TCMTB; 2-(thiocyanatomethylthio) benzothiazole			•								•					
107	96182–53–5	tebupirimfos	•	•									•					
108	79538–32–2	tefluthrin	•	•									•					
109	13171–79–9	terbufos	•	•									•					
110	22248–79–9	tetrachlorvinphos					•						•					
111	137–26–8	thiram									•		•					
112	129558–76–5	tolfenpyrad		•									•					
113	731–27–1	tolyfluanid					•						•					
114	66841–25–6	tralomethrin		•									•					
115	112143–82–5	triazamate		•									•					
116	24117–47–8	triazophos	•	•									•					
117	52–68–6	trichlorfon									•		•					

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120 pesticides

FSC HIGHLY RESTRICTED LIST 120 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY								
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b		
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine disruptors	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox)	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 311ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3		
			•	•	•					•										
			•	•										•						
				•	•										•					

Restricted list

The FSC list of restricted HHP 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. This list excludes all chemical pesticides already listed in the FSC prohibited HHP list and in the FSC highly restricted HHP list, therefore International Conventions, dioxins and heavy metals are not mentioned among the criteria.

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY								
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b			
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled* (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category Ia/Ib	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50 > 90 days)	Low soil sorption coefficient (Koc < 30 ml/g)	High water solubility (> 30 mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3			
				•								•									
				•									•								
				•																	
				•										•							
				•											•						
													•	•							
															•						

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50 > 90 days)	Low soil sorption coefficient (Koc < 300 ml/g)	High water solubility (> 30mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3
9	96-24-2	alpha-chlorohydrin	•	•														
10	834-12-8	ametryn		•														
11	348635-87-1	amisulbrom											•					
12	33189-61-1	amitraz											•					
13	61-82-5	amitrole									•							
14	84-65-1	anthraquinone					•											
15	1912-24-9	atrazine									•							
16	61217-31-1	azaconazole		•														
17	68149-83-2	azafenidin								•								
18	17814-35-2	benomyl							•	•								
19	177416-68-7	benthiavalicarb-isopropyl					•											
20	584-79-2	bioallethrin											•					
21	28434-11-7	bioresmethrin											•					
22	1331-43-4	Borax; disodium tetraborate								•								
23	11143-35-3	Boric acid								•	•							
24	1689-84-5	bromoxynil		•	•													
25	56634-95-8	bromoxynil-heptanoate											•					
26	2961-68-4	bromoxynil-potassium		•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50 > 90 days)	Low soil sorption coefficient (Koc < 30 ml/g)	High water solubility (> 30mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3
27	52-51-7	bronopol		•														
28	23184-66-9	butachlor					•											
29	34681-11-2	butocarboxim	•	•														
30	34681-23-7	butoxycarboxim	•															
31	592-11-8	Calcium cyanide	•	•														
32	133-16-2	captan											•					
33	11615-21-7	carbendazim							•	•								
34	15879-93-3	chlortalose		•														
35	511118-45-7	chlorantraniliprole											•					
36	71422-67-8	chlorfluazuron											•					
37	24934-91-6	chlormephos	•	•														
38	79-11-8	chloroacetic acid		•														
39	15545-48-9	chlorotoluron										•						
40	5598-13-1	chlorpyrifos-methyl											•					
41	67-97-1	cholecalciferol		•	•													
42	74115-24-5	clofentezine											•					
43	65996-82-9	coal tar oils; CAS 8112 29 7						•	•									
44	1332-41-7	copper oxychloride		•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY					
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51> 91 days)	Low soil sorption coefficient (Koc < 31 ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
45	1317–39–1	cuprous oxide											•					
46	21725–46–2	cyanazine		•														
47	561121–52–1	cyenopyrafen											•					
48	181419–61–3	cyflufenamid					•											
49	13121-71-5	cyhexatin											•					
50	39515–41–7	cyphenothrin											•					
51	94361–16–5	cyproconazole		•														
52	121552–61–2	cyprodinil											•					
53	1596–84–5	daminozide					•											
54	81161–19–9	diafenthiuron											•					
55	1185–98–9	dichlofluanid											•					
56	51338–27–3	diclofop-methyl					•											
57	35367–38–5	diflubenzuron											•					
58	131339–17–1	diflumetorim											•					
59	22936–75–1	dimethametryn												•		•		•
60	61–51–5	dimethoate		•														
61	624–92–1	dimethyl disulfide		•														
62	82–66–6	diphacinone	•	•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51> 91 days)	Low soil sorption coefficient (Koc < 31 ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
63	331–54–1	diuron					•											
64	13.11.2439	dodine											•					
65	54416–48–3	empenthrin											•					
66	145–73–3	endothal		•														
67	2164–17–1	endothal-dipotassium		•														
68	133855–98–8	epoxiconazole					•					•						
69	51–14–6	ergocalciferol		•	•													
70	29973–13–5	ethiofencarb	•	•														
71	81844–17–1	etofenprox											•					
72	153233–91–1	etoxazole											•					
73	2593–15–9	etridiazole					•											
74	131817–57–3	famoxadone											•					
75	52–85–7	famphur (ESA)	•	•														
76	61168–88–9	fenarimol									•							
77	3766–81–2	fenobucarb											•					
78	72491–11–8	fenoxycarb					•											
79	134198–61–6	fenpyroximate											•					
80	668–34–8	fentin		•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50> 90 days)	Low soil sorption coefficient (Koc < 300 ml/g)	High water solubility (> 30mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3
81	51631-58-1	fenvalerate											•					
82	121168-37-3	fipronil		•														
83	69816-51-4	fluazifop-butyl								•								
84	79622-59-6	fluazinam											•					
85	33245-39-5	fluchloralin											•					
86	111463-69-8	flufenoxuron											•					
87	113361-19-7	flumioxazin								•								
88	658166-35-4	fluopyram					•											
89	136426-54-5	fluquinconazole		•														
90	85519-19-9	flusilazole								•								
91	116917-52-6	flusulfamide		•														
92	68157-61-8	forchlorfenuron												•		•		•
93	51-11-1	formaldehyde				•	•											
94	23422-53-9	formetanate hydrochloride		•	•													
95	98886-44-3	fosthiazate		•														
96	98-11-1	furfural		•														
97	77182-82-2	glufosinate-ammonium								•								
98	118173-91-6	guazatine			•													

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY					
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50> 90 days)	Low soil sorption coefficient (Koc < 30 ml/g)	High water solubility (> 30mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 3 i.e. logP (KOW) > 3
99	69816-41-2	haloxyfop-methyl					•											
100	86479-16-3	hexaflumuron											•					
101	78587-15-1	hexythiazox					•											
102	74-91-8	hydrogen cyanide		•	•													
103	35554-44-1	imazalil					•											
104	141163-89-9	imicyafos		•														
105	138261-41-3	imidacloprid		•														
106	57521-17-9	iminocadine triacetate		•														
107	72963-72-5	imiprothrin											•					
108	173584-44-6	indoxacarb		•														
109	74-88-4	iodomethane		•														
110	2961-62-8	ioxynil-sodium		•														
111	36734-19-7	iprodione					•											
112	141923-17-7	iprovalicarb					•											
113	24353-61-5	isocarbophos		•														
114	99675-13-3	isofenphos-methyl		•														
115	141112-29-1	isoxaflutole					•											
116	58769-21-3	kadethrine											•					

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category IA/IB	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51 > 91 days)	Low soil sorption coefficient (Koc < 311ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
117	143391–89–1	kresoxim-methyl					•											
118	331–55–2	linuron								•	•							
119	113155–17–8	lufenuron											•					
120	8118–11–7	mancozeb					•				•							
121	111235–47–7	mepanipyrim					•											
122	131–72–6	meptyldinocap											•					
123	118–62–3	metaldehyde		•														
124	137–42–8	metam sodium									•							
125	11265–92–6	methamidophos	•	•	•													
126	556–61–6	methyl isothiocyanate		•														
127	9116–42–2	metiram					•				•							
128	241494–71–6	metofluthrin											•					
129	51596–11–2	milbemectin											•					
130	Group *	Mineral oils; paraffin oils cont. > 3 % DMSO (Dimethyl sulphoxide)						•										
131	2212–67–1	molinate										•						
132	142-59-6	nabam											•					
133	54–11–5	nicotine	•	•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY					
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50> 90 days)	Low soil sorption coefficient (Koc < 30 ml/g)	High water solubility (> 30mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3
134	116714-46-6	novaluron											•					
135	121451-12-3	noviflumuron											•					
136	19144-88-3	oryzalin					•											
137	19666-31-9	oxadiazon					•											
138	23135-22-1	oxamyl	•	•	•													
139	311-12-2	oxydemeton-methyl	•	•														
140	42874-13-3	oxyfluorfen					•											
141	1911-42-5	paraquat dichloride		•	•													
142	26112-81-2	phenothrin											•					
143	1918-12-1	picloram									•							
144	117428-22-5	picoxystrobin											•					
145	83-26-1	pindone		•														
146	24151-93-7	piperophos											•					
147	29232-93-7	pirimiphos-methyl											•					
148	23131-36-9	prallethrin											•					
149	32819-16-8	procymidone					•				•							
150	41198-18-7	profenofos											•					
151	139111-49-3	profoxydim										•						

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY					
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50> 90 days)	Low soil sorption coefficient (Koc < 30 ml/g)	High water solubility (> 30 mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 3 i.e. logP (KOW) > 3
152	719-98-8	propanil		•														
153	23951-58-5	propyzamide; pronamide					•											
154	123312-89-1	pymetrozine					•											
155	175113-18-1	pyraclostrobin											•					
156	129631-19-9	pyraflufen					•											
157	6814-58-1	pyrazachlor					•											
158	8113-34-7	pyrethrins (pyrethrum)											•					
159	119-12-1	pyridaphenthion		•														
160	514-24-5	pyridin-4-amine		•														
161	337458-27-2	pyrifluquinazon											•					
162	135186-78-6	pyrifthalid											•					
163	115779-78-1	pyrimidifen		•														
164	119738-16-6	quizalofop-P-tefuryl								•								
165	83-79-4	rotenone											•					
166	127-91-2	S421		•														
167	874967-67-6	sedaxane					•											
168	115124-66-6	silafuofen								•								
169	143-33-9	sodium cyanide	•	•														

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY							ENVIRONMENTAL TOXICITY					
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC51/EC51 < 51 µg/l, using Daphnia	Persistent (DT51> 91 days)	Low soil sorption coefficient (Koc < 311ml/g)	High water solubility (> 31mg/l)	Bio-concentration factor ≥ 1111	(KOW) for the active ingredient is > 1111 i.e. logP (KOW) > 3
170	62–74–8	sodium fluoroacetate (1181)	•	•	•													
171	283594–91–1	spiromesifen											•					
172	57–24–9	strychnine	•															
173	4151–51–2	sulfluramid		•														
174	2699–79–8	sulfuryl fluoride		•														
175	112851–16–9	tau-fluvalinate											•					
176	119168–77–3	tebufenpyrad											•					
177	83121–18–1	teflubenzuron											•					
178	3383-96-8	temephos											•					
179	149979–41–9	tepraloxym										•						
180	33693–14–8	terbumeton												•	•	•		•
181	886–51–1	terbutryn									•							
182	7696–12–1	tetramethrin											•					
183	71697–59–1	theta-cypermethrin		•														
184	31895–21–3	thiocyclam											•					
185	39196–18–4	thiofanox	•	•														
186	641–15–3	thiometon	•	•														
187	23564–15–8	thiophanate-methyl					•											

FSC RESTRICTED LIST
200 pesticides

FSC RESTRICTED LIST 200 pesticides			ACUTE TOXICITY			CHRONIC TOXICITY						ENVIRONMENTAL TOXICITY						
			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	7.1. a	8.1.a	8.1.b	8.1.c	8.2.a	8.2. b
Id	CAS Number	Pesticide active ingredient	Extremely hazardous WHO Ia/Ib	Acutely toxic for rats and birds - FOOTPRINT	Fatal if inhaled' (H330) GHS	Carcinogenic IARC 1/2A	EPA group A/group B	GHS category 1A/1B	Mutagenic GHS category Ia/Ib	Reprotoxic GHS category Ia/Ib	Category 1 EU list of potential endocrine	Category 2 (Suspected human carcinogens) AND Category 2 (Suspected human reprotox	aquatic toxicity LC50/EC50 < 50 µg/l, using Daphnia	Persistent (DT50 > 90 days)	Low soil sorption coefficient (Koc < 300 ml/g)	High water solubility (> 30 mg/l)	Bio-concentration factor ≥ 1000	(KOW) for the active ingredient is > 1000 i.e. logP (KOW) > 3
188	29547-11-1	thiosultap monosodium		•														
189	118712-89-3	transfluthrin											•					
190	72459-58-6	triazoxide		•														
191	78-48-8	tribufos		•														
192	141517-21-7	trifloxystrobin											•					
193	64628-44-1	triflumuron											•					
194	1582-19-8	trifluralin									•							
195	2275-23-2	vamidothion	•	•														
196	51471-44-8	vinclozolin								•	•							
197	2655-14-3	XMC		•														
198	1314-84-7	zinc phosphide	•	•														
199	12122-67-7	zineb									•							
200	161791-64-1	ZXI 8911											•					

