

ANNEX 1: Overview of agrochemicals proposed to be included in Flowers & Plants relevant Hazardous Materials list, in Table 1 and Table 2

Table 1: Mapped Flower & Plants relevant agrochemicals that are already included in Fairtrade HML

Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
Fairtrade International Red List of Prohibited Materials			
1	2,3,4,5-Bistetrahydro-2-furaldehyde	126-15-8	
2	2,4,5-T	93-76-5	
3	2,4,5-TCP	35471-43-3	
4	Abamectin	71751-41-2	Flowers & Plants relevant
5	Acetochlor	34256-82-1	
6	Acrolein	107-02-8	
7	Alachlor	15972-60-8	
8	Aldicarb	116-06-3	
9	Aldrin	309-00-2	
10	Allyl alcohol	107-18-6	
11	alpha-BHC;alpha-HCH	319-84-6	
12	Alpha-chlorohydrin*	96-24-2	
13	Amitrole	61-82-5	
14	Anthracene oil	90640-80-5	
15	Arsenic and its compounds	7778-39-4	
16	Asbestos	1332-21-4	
17	Azafenidin	68049-83-2	
18	Azinphos-ethyl	2642-71-9	
19	Azinphos-methyl	86-50-0	
20	Azocyclotin	41083-11-8	
21	Benomyl	17804-35-2	
22	Beta – cyfluthrin	68359-37-5	
23	beta-HCH; beta-BCH	319-85-7	
24	Binapacryl	485-31-4	
25	Blasticidin-S	2079-00-7	
26	Brodifacoum*	56073-10-0	
27	Bromadiolone*	28772-56-7	
28	Bromethalin*	63333-35-7	
29	Bromoxynil	1689-84-5	
30	Bromoxynil heptanoate	56634-95-8	
31	Bromoxynil octanoate	1689-99-2	
32	Butocarboxim	34681-10-2	
33	Butoxycarboxim	34681-23-7	
34	Cadmium compounds	7440-43-9	
35	Cadusafos	95465-99-9	
36	Calcium arsenate	7778-44-1	
37	Calcium cyanide	592-01-8	
38	Captafol	2425 06 1	
39	Captan	133-06-2	Flowers & Plants relevant
40	Carbofuran	1563-66-2	
41	Carbon tetrachloride	56-23-5, 53908-27-3, 8003-06-3	
42	Carbosulfan	55285-14-8	
43	Chloranil	118-75-2	
44	Chlordane	57-74-9	
45	Chlordecone	143-50-0	
46	Chlordimeform	6164-98-3	
47	Chlorethoxyphos	54593-83-8	
48	Chlorfenvinphos	470-90-6	
49	Chlorfluazuron	71422-67-8	
50	Chlormephos	24934-91-6	
51	Chlorobenzilate	510-15-6	
52	Chlorophacinone*	3691-35-8	
53	Chloropicrin	76-06-2	
54	Chlorothalonil	1897-45-6	Flowers & Plants relevant
55	Chlorotoluron	15545-48-9	



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
56	Chlorpyrifos, Chlorpyrifos-methyl	2921-88-2, 5598-13-0	Flowers & Plants relevant
57	Clothianidin	210880-92-5	
58	Copper arsenate	7778-41-8	
59	Coumaphos*	56-72-4	
60	Coumatetralyl*	5836-29-3	
61	CPMA (Chloromethoxypropyl-mercuric-acetate)	1319-86-4	
62	Creosote	8001-58-9	
63	Cyhexatin	13121-70-5	
64	DBCP	96-12-8	
65	DDD (dichlorodiphenyl – dichloroethan)	72-54-8	
66	DDT	50-29-3	
67	Demeton-S-methyl	919-86-8	
68	Dichlorvos; DDVP	62-73-7	
69	Dicofol	115-32-2	
70	Dicrotophos	141-66-2	
71	Dieldrin	60-57-1	
72	Difenacoum*	56073-07-5	
73	Difethialone*	104653-34-1	
74	Dimoxystrobin	149961-52-4	
75	Dinocap	39300-45-3	
76	Dinoseb and its salts and esters	88-85-7	
77	Dinoterb	1420-07-1	
78	Diphacinone*	82-66-6	
79	Diquat dibromide	85-00-7	
80	Diquat dichloride	4032-26-2	
81	Disulfoton	298-04-4	
82	DNOC and its salts	534-52-1	
83	Edifenphos	17109-49-8	
84	Endosulfan	115-29-7	
85	Endrin	72-20-8	
86	E-Phosphamidon	297-99-4	
87	Epichlorohydrin	106-89-8	
88	EPN	2104-64-5	
89	Ethiofencarb	29973-13-5	
90	Ethoprophos; Ethoprop	13194-48-4	
91	Ethylene dichloride, EDC	107-06-2	
92	Ethylene oxide	75-21-8	
93	Ethylene thiourea	96-45-7	
94	Ethylenedibromide; 1,2-dibromoethane, EDB	106-93-4	
95	Famphur	52-85-7	
96	Fenamiphos	22224-92-6	
97	Fenarimol	60168-88-9	
98	Fenbutatin-oxide	13356-08-6	
99	Fenchlorazole-ethyl	103112-35-2	
100	Fenprothrin	39515-41-8	
101	Fentin acetate	900-95-8	
102	Fentin hydroxide	76-87-9	
103	Flocoumafen	90035-08-8	
104	Fluazifop-butyl	69806-50-4	
105	Fluazolate	174514-07-9	
106	Flucythrinate	70124-77-5	
107	Flumetralin	62924-70-3	
108	Flumioxazin	103361-09-7	
109	Fluoroacetamide	640-19-7	
110	Formaldehyde	50-00-0	
111	Formetanate	22259-30-9	Flowers & Plants relevant
112	Furathiocarb	65907-30-4	
113	Glyphosate and its salts	1071-83-6, 69254-40-6, 38641-94-0, 40465-66-5, 34494-03-6, 81591-81-3, 111872-58-3	Flowers & Plants relevant
114	Halfenprox		
115	Heptachlor	76-44-8	
116	Heptenophos	23560-59-0	
117	Hexachlorobenzene (HCB)	118-74-1	



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
118	Hexachlorocyclohexane HCH(Benzene hexachloride)	608-73-1	
119	Hexaflumuron	86479-06-3	
120	Imidacloprid	138261-41-3	Flowers & Plants relevant
121	Ioxynil	1689-83-4	
122	Isopyrazam	881685-58-1	
123	Isoxathion	18854-01-8	
124	Lambda-cyhalothrin	91465-08-6	Flowers & Plants relevant
125	Lead arsenate	7784-40-9	
126	Leptophos	21609-90-5	
127	Lindane	58-89-9	
128	Linuron	330-55-2	
129	Magnesium phosphide	12057-74-8	Flowers & Plants relevant
130	Maneb	12427-38-2	
131	Mecarbam	2595-54-2	
132	Mercury compounds, including inorganic mercury compounds, alkyl mercury compounds and alkyloxyalkyl and aryl mercury compounds	Individual CAS numbers	
133	Metam-sodium	137-42-8	Flowers & Plants relevant
134	Methamidophos	10265-92-6	
135	Methidathion	950-37-8	
136	Methiocarb	2032-65-7	
137	Methomyl	16752-77-5	Flowers & Plants relevant
138	Methoxychlor	72-43-5	
139	Methyl bromide	74-83-9	
140	Metiram	9006-42-2	
141	Metribuzin	21087-64-9	
142	Mevinphos	7786-34-7	
143	Mirex	2385-85-5	
144	Molinate	2212-67-1	
145	Monocrotophos	6923-22-4	
146	Nicotine	54-11-5	
147	Nitrobenzene	98-95-3	
148	Nitrofen	1836-75-5	
149	Octamethylpyrophosphoramidate (OMPA)	152-16-9	
150	Omethoate	1113-02-6	
151	Oxamyl	23135-22-0	
152	Oxydemeton-methyl	301-12-2	
153	Paraquat (All forms including Paraquat dichloride)	1910-42-5	
154	Parathion	56-38-2	
155	Parathion-methyl	298-00-0	
156	Paris Green (copper acetoarsenite)	12002-03-8	
157	Pentachlorobenzene	608-93-5	
158	Pentachlorophenol (PCP), its salts and esters	87-86-5	
159	Phenylmercury acetate	62-38-4	
160	Phorate	298-02-2	
161	Phosphamidon	13171-21-6	
162	Picloram	1918 02 1	
163	PMDS Di(phenylmercuric) dodecenyyl succinate	27236-65-3	
164	Polybrominated biphenyls mixture PBB	Separate CAS Nos. are assigned to individual polybrominated biphenyls	
165	Polychlorinated biphenyls PCB (except mono and dichlorinated) Aroclor	Separate CAS Nos. are assigned to individual polychlorinated biphenyls	
166	Polychlorinated Terphenyls (PCTs)	61788-33-8	
167	Potasan	299-45-6	
168	Profoxydim	139001-49-3	
169	Propetamphos	31218-83-4	
170	Propylene oxide	75-56-9	
171	Prothiofos	34643-46-4	
172	Pyrazoxon	108-34-9	
173	Pyridalyl	179101-81-6	Flowers & Plants relevant



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
174	Quinalphos	13593-03-8	
175	Quinalphos-p-tefuryl	119738-06-6	
176	Resmethrin	10453-86-8	
177	Safrole	94-59-7	
178	Silafluofen	105024-66-6	
179	Silvex (all forms)	93-72-1	
180	Sodium arsenite (arsenic and its compounds)	7784-46-5	
181	Sodium cyanide	143-33-9	
182	Sodium fluoroacetate (1080)	62-74-8	
183	Strychnine	57-24-9	
184	Sulfotep	3689-24-5	
185	TCMTB	21564-17-0	
186	TDE	72-54-8, 53-19-0	
187	Tebupirimphos (Phostebupirim)	96182-53-5	
188	Tefluthrin	79538-32-2	
189	Tepraloxymid	149979-41-9	
190	Terbufos	13071-79-9	
191	Terbutryn	886-50-0	
192	Terpene polychlorinates (Strobane)	8001-50-1	
193	Tetraethyl lead	78-00-2	
194	Tetramethyl lead	75-74-1	
195	Thallium sulfate	7446-18-6	
196	Thiamethoxam	153719-23-4	Flowers & Plants relevant
197	Thiofanox	39196-18-4	
198	Thiometon	640-15-3	
199	Thiourea	62-56-6	
200	Thiram	137-26-8	
201	Tolfenpyrad	129558-76-5	
202	Tolyfluanid	731-27-1	
203	Toxaphene; Camphechlor	8001-35-2	
204	Tri-allate	2303-17-5	
205	Triazophos	24017-47-8	
206	Tributyltin compounds	Various CAS	
207	Trichlorfon	52-68-6	
208	Tridemorph	81412-43-3	
209	Trifluralin	1582-09-8	
210	Triforine	26644-46-2	
211	Tris (2,3 - dibromopropyl) phosphate	126-72-7	
212	Vamidothion	2275-23-2	
213	Vinclozolin	50471-44-8	
214	Vinyl chloride	75-01-4	
215	Warfarin*	81-81-2	
216	Zeta-Cypermethrin	52315-07-8	
217	Zinc phosphide	1314-84-7	
218	Zineb	12122-67-7	
219	Ziram	137-30-4	
Fairtrade International Orange List of Restricted Materials			
1	2,4-DB	94-82-6	
2	Acetamiprid	135410-20-7	Flowers & Plants relevant
3	Aluminum phosphide	20859-73-8	Flowers & Plants relevant
4	Amisulbrom	348635-87-0	
5	Amitraz	33089-61-1	
6	Atrazine	1912-24-9	
7	Bifenthrin	82657-04-3	Flowers & Plants relevant
8	Carbaryl	63-25-2	
9	Carbendazim	10605-21-7	Flowers & Plants relevant
10	Chlorantraniliprole	500008-45-7	Flowers & Plants relevant
11	Cypermethrin	65731-84-2	Flowers & Plants relevant
	Cypermethrin, alpha	67375-30-8	Flowers & Plants relevant
	Cypermethrin, beta	65731-84-2	Flowers & Plants relevant
12	Deltamethrin	52918-63-5	Flowers & Plants relevant
13	Dimethoate	60-51-5	Flowers & Plants relevant
14	Epoxiconazole	133855-98-8	Flowers & Plants relevant
15	Etofenprox	80844-07-1	
16	Fenitrothion	122-14-5	
17	Flufenoxuron	101463-69-8	
18	Fipronil	120068-37-3	Flowers & Plants relevant
19	Flusilazole	85509-19-9	Flowers & Plants relevant
20	Glufosinate-ammonium	77182-82-2	Flowers & Plants relevant



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
21	Lufenuron	103055-07-8	Flowers & Plants relevant
22	Mancozeb	8018 01 7	Flowers & Plants relevant
23	Phosphine	7803-51-2	
24	Pirimicarb	23103-98-2	Flowers & Plants relevant
25	Procymidone	32809-16-8	
26	Propargite	2312-35-8	
27	Quinoxifen	124495-18-7	
28	Sulfoxaflor	946578-00-3	Flowers & Plants relevant
29	Thiacloprid	111988-49-9	Flowers & Plants relevant
Fairtrade International Yellow List of Flagged Materials			
1	1,3-dichloropropene	542-75-6	
2	Acephate	30560-19-1	Flowers & Plants relevant
3	Acrinathrin	101007-06-1	
4	Alanycarb	83130-01-2	
5	Anthraquinone	84-65-1	
6	Antibiotics (including Amoxicillin)	26787-78-0	
7	Azamethiphos	35575-96-3	
8	Bendiocarb	22781-23-3	Flowers & Plants relevant
9	Benfuracarb	82560-54-1	
10	Bensulide	741-58-2	
11	Benthiavalicarb-isopropyl	177406-68-7	
12	Bioresmethrin	28434-01-7	
13	Borax; disodium tetraborate decahydrate	1303-96-4	
14	Boric acid	10043-35-3	Flowers & Plants relevant
15	Butachlor	23184-66-9	
16	Butylate	2008-41-5	
17	Chinomethionat;Oxythioquinox	2439 01 2	
18	Chlorfenapyr	122453-73-0	Flowers & Plants relevant
19	Chloroform	67-66-3	
20	Climbazole	38083-17-9	
21	Copper (II) hydroxide	29427-59-2	
22	Cyflufenamid	180409-60-3	
23	Cyhalothrin (not lambda)	68085-85-8	
24	Cyhalothrin, gamma	76703-62-3	Flowers & Plants relevant
25	Daminozide	1596-84-5	
26	Diafenthiuron	80060-09-9	Flowers & Plants relevant
27	Diazinon	333-41-5	
28	Diclofop-methyl	51338-27-3	
29	Dimethenamid	87674-68-8	
30	Dinotefuran	165252-70-0	
31	Diuron	330-54-1	Flowers & Plants relevant
32	Esfenvalerate	66230-04-4	Flowers & Plants relevant
33	Ethirimol	23947-60-6	
34	Fenazaquin	120928-09-8	
35	Fenoxycarb	72490-01-8	
36	Fenthion	55-38-9	
37	Fenvalerate	51630-58-1	Flowers & Plants relevant
38	Fluthiacet-methyl	117337-19-6	
39	Folpet	133-07-3	Flowers & Plants relevant
40	Fosthiazate	98886-44-3	
41	Furilazole	121776-33-8	
42	Haloxypop-methyl; haloxypop	69806-40-2	
43	Hexythiazox	78587-05-0	Flowers & Plants relevant
44	Imazalil	35554-44-0	
45	Imazethapyr	81335-77-5	
46	Imiprothrin	72963-72-5	
47	Indoxacarb	173584-44-6	Flowers & Plants relevant
48	Iprodione	36734-19-7	Flowers & Plants relevant
49	Iprovalicarb	140923-17-7	Flowers & Plants relevant
50	Isoxaflutole	141112-29-0	
51	Kresoxim-methyl	143390-89-0	Flowers & Plants relevant
52	Malathion	121-75-5	Flowers & Plants relevant
53	Mepanipyrim	110235-47-7	Flowers & Plants relevant
54	Metaflumizone	139968-49-3	
55	Metam-potassium	137-41-7	
56	Methabenzthiazuron	18691-97-9	
57	MGK 326	136-45-8	
58	Milbemectin	51596-10-2 /11-3	Flowers & Plants relevant
59	MON 4660	71526-07-3	
60	Monuron	150-68-5	



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
61	Naled	300-76-5	
62	Nitenpyram	150824-47-8	
63	Nitrapyrin	1929-82-4	
64	Oryzalin	19044-88-3	
65	Oxadiazon	19666-30-9	Flowers & Plants relevant
66	Oxyfluorfen	42874-03-3	
67	Paraffin oils; mineral oils	11 separate CAS	
68	Permethrin	52645-53-1	Flowers & Plants relevant
69	Phenthoate	2597 03 7	
70	Phosalone	2310-17-0	
71	Phosmet	732-11-6	
72	Pirimiphos-methyl	29232-93-7	Flowers & Plants relevant
73	Prallethrin	23031-36-9	
74	Profenofos	41198-08-7	
75	Propachlor	1918-16-7	
76	Propham	122-42-9	
77	Propoxur	114-26-1	
78	Propyzamide	23950-58-5	
79	Pymetrozine	123312-89-0	Flowers & Plants relevant
80	Pyraclifos	77458-01-6	
81	Pyraflufen-ethyl	129630-19-9	
82	Pyrazachlor	6814-58-0	
83	Pyrazophos	13457-18-6	
84	Pyridaben	96489-71-3	
85	Pyridipenthion	119-12-0	
86	Pyrimethanil	53112-28-0	
87	Quinoclamine	2797-51-5	
88	Quintozene	82-68-8	
89	Rotenone	83-79-4	
90	Sedaxane	874967-67-6	
91	Simazine	122-34-9	
92	Sodium dimethyl dithiocarbamate	128-04-1	
93	Spinetoram	935545-74-7	Flowers & Plants relevant
94	Spinosad	168316-95-8	Flowers & Plants relevant
95	Spirodiclofen	148477-71-8	Flowers & Plants relevant
96	Tebuconazole	107534-96-3	Flowers & Plants relevant
97	Technazene	117-18-0	
98	Temephos	3383-96-8	
99	Terrazole; Etridiazole	2593-15-9	
100	Tetrachlorvinphos	22248-79-9	
101	Tetraconazole	112281-77-3	
102	Tetramethrin	7696-12-0	
103	Thiodicarb	59669-26-0	
104	Thiophanate-methyl	23564-05-8	Flowers & Plants relevant
105	Tralomethrin	66841-25-6	
106	Triadimenol	55219-65-3	Flowers & Plants relevant
107	Validamycin	37248-47-8	
108	XMC	2655-14-3	

Table 2: Mapped Flower & Plants relevant agrochemicals that are not included in current Fairtrade HML

Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
Currently not included in Fairtrade HML			
1	Azoxystrobin	131860-33-8	Flowers & Plants relevant
2	Bifenazate	149877-41-8	Flowers & Plants relevant
3	Buprofezin	69327-76-0	Flowers & Plants relevant
4	Clofentezine	74115-24-5	Flowers & Plants relevant
5	Cyantraniliprole	736994-63-1	Flowers & Plants relevant
6	Cyfluthrin	68359-37-5	Flowers & Plants relevant
7	Cyproconazole	94361-06-5	Flowers & Plants relevant
8	Cyprodinil	121552-61-2	Flowers & Plants relevant
9	Dimethomorph	110488-70-5	Flowers & Plants relevant
10	Emamectin benzoate	155569-91-8	Flowers & Plants relevant
11	Fenpropimorph	67564-91-4	Flowers & Plants relevant
12	Flometoquin	875775-74-9	Flowers & Plants relevant



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Nr	*Name of active ingredient (a.i.) of the material	CAS number	Indication of relevance
13	Flonicamid	158062-67-0	Flowers & Plants relevant
14	Fluazinam	79622-59-6	Flowers & Plants relevant
15	Flubendiamide	272451-65-7	Flowers & Plants relevant
16	Fludioxonil	131341-86-1	Flowers & Plants relevant
17	Fluopicolide	239110-15-7	Flowers & Plants relevant
18	Flupyradifurone	951659-40-8	Flowers & Plants relevant
19	Mandipropamid	374726-62-2	Flowers & Plants relevant
20	Metalaxyl-M	70630-17-0	Flowers & Plants relevant
21	Myclobutanil	88671-89-0	Flowers & Plants relevant
22	Propamocarb	24579-73-5	Flowers & Plants relevant
23	Propiconazole	60207-90-1	Flowers & Plants relevant
24	Spiromesifen	283594-90-1	Flowers & Plants relevant
25	Tetradifon	116-29-0	Flowers & Plants relevant
26	Triflumizole	68694-11-1	Flowers & Plants relevant
27	Propineb	12071-83-9	Flowers & Plants relevant
28	Cymoxanil	57966-95-7	Flowers & Plants relevant
29	Thiabendazole	148-79-8	Flowers & Plants relevant
30	Fenhexamid	126833-17-8	Flowers & Plants relevant