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UEBT LISTS OF AGROCHEMICALS THAT ARE PROHIBITED OR TO WHICH RISK MITIGATION MEASURES APPLY

EDITION 2.2 | MAY 2024

Background

This document provides an overview of the agrochemicals that are banned or require special risk mitigation strategies under the UEBT standard.

In the context of the partnership between UEBT and Rainforest Alliance, UEBT has adopted the list of prohibited and risk mitigation use agrochemicals defined by Rainforest Alliance.

References used in this List

The base of the list of the prohibited agrochemicals are the [FAO/WHO Guidelines on Highly Hazardous Pesticides](#)¹.

These guidelines include a definition of Highly Hazardous Pesticides (HHPs) following eight criteria.

The UEBT List of Prohibited Agrochemicals (pages 4 – 8) has eight columns that refer to each of these criteria, referenced in Table 1:

Table 1 FAO/WHO criteria on HHPs

1	WHO Category 1A Extremely hazardous for human health, or 1B Highly hazardous for human health
2	Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Known or presumed carcinogenic
3	Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Known or presumed mutagenic
4	Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Known or presumed to be reproductive toxicant, (to induce heritable mutations in the germ cells of humans)
5	Montreal convention, Ozone depleting substances
6	Rotterdam convention on the Prior Informed Consent (PIC) Procedure for Certain Hazardous Chemicals and Pesticides in International Trade. Global treaty designed to give countries the right to refuse the import of highly hazardous toxins listed in the UNEP's PIC Procedure List. It attempts to end the dumping of obsolete or banned pesticides in the developing world
7	Stockholm convention, Persistent Organic Pollutants (POPs)
8	Severe effects

The Risk Mitigation agrochemical list is based on the work by the Oregon State University Integrated Plant Protection Center's state-of-the-science risk assessment as published in the Supplementary Appendix to the Article 'Selection of agrochemicals to reduce human and environmental health risks' Paul C. Jepson et al, *Lancet Planet Health*, Feb 2020.

This document including the list of Prohibited and Risk Mitigation agrochemicals is periodically updated to include those agrochemicals that meet the criteria used to classify agrochemicals that are banned or require risk mitigation strategies. UEBT members and certificate holders are notified of changes in the list of agrochemicals.

The most updated version of this document is available on the UEBT website. Please make sure you use the most recent version.

Ethical BioTrade Standard

The prohibition of agrochemicals is framed in the following critical indicators of the Ethical BioTrade Standard:

2.4.1 Critical Cultivation, wild collection and related activities do not use any of the agrochemicals banned by UEBT (see UEBT Lists of Agrochemicals that are Prohibited or to which Risk Mitigation Measures Apply, Edition 2.2, May 2024) or prohibited in the countries where cultivation or wild collection activities take place.

2.4.2 Critical Appropriate mitigation practices are followed if cultivation, wild collection and related activities use agrochemicals are considered to be of restricted use (see UEBT Lists of Agrochemicals that are Prohibited or to which Risk Mitigation Measures Apply, Edition 2.2, May 2024).

Translation

Translation accuracy of any UEBT standard and other policy or procedure documents into languages other than English is not guaranteed nor implied. For any question related to the accuracy of the information contained in the translation, refer to the official English version. Any discrepancies or differences created in the translation are not binding and have no effect for auditing or certification purposes.

¹ International Code of Conduct on Pesticide Management, [Guidelines on Highly Hazardous Pesticides](#), FAO/WHO, 2016.

These are the most recent FAO/WHO Guidelines on HHPs, see [here](#). For the data sources that FAO/WHO refers to (incl. a.o. the European ECHA, the US EPA and the International Agency for Research on Cancer), see pages 25–28 of the same FAO/WHO Guidelines.

PROHIBITED AGROCHEMICALS

The use of Prohibited Agrochemicals is prohibited for certified, prioritised and verified ingredients, because they are considered Highly Hazardous Pesticides (HHPs) that present major human health and environmental risks.

Legend

UEBT ref number	Prohibited agrochemicals <i>Active ingredient or group</i>	CAS number ¹	Main use	Chronic toxicity				International conventions	Severe effects
				1 Acute toxicity	2 Carcinogenic	3 Mutagenic	4 Reproductive toxicant		
				1	2	3	4	5 6 7	8

¹ The **CAS number** is an internationally recognized identifier for chemicals, see www.cas.org

Abbreviations (main use)

A: Acaricide, **Ad:** Adjuvant, **Fun:** Fungicide, **Fum:** Fumigant, **H:** Herbicide, **I:** Insecticide, **N:** Nematicide, **R:** Rodenticide, **WP:** Wood preservation

Prohibited Agrochemicals heading definitions

For further details, refer to Table 1 FAO/WHO criteria on HHPs, page 2

1	1A Hazardous for human health 1B Highly hazardous for human health	5	M Montreal convention
2	Known or presumed carcinogenic	6	R Rotterdam convention
3	Mutagenic: Known or presumed to induce heritable mutations in the germ cells of humans	7	S Stockholm convention
4	Known or presumed to be a reproductive toxicant , (to induce heritable mutations in the germ cells of humans)	8	Severe effects

More information or questions?

For more information or questions about the UEBT standard and related topics

www.ethicalbiotrade.org/revision-process-of-the-ethical-biotrade-standard or contact comments@uebt.org

UEBT ref number	Prohibited agrochemicals Active ingredient or group	CAS number	Main use	Acute toxicity	Chronic toxicity			International conventions	Severe effects
					Carcinogenic	Mutagenic	Reproductive toxicant		
1	Abamectin	71751-41-2	I	1B					
2	Acetochlor	34256-82-1	H						•
3	Acrolein	107-02-8	H	1B					
4	Alachlor	15972-60-8	H					R	
5	Aldicarb	116-06-3	I, A	1A				R	
6	Alpha chlorohydrin	96-24-2	R	1B					
7	Alpha-BHC; alpha-HCH	319-84-6	I, A					S	
8	Aluminum phosphide	20859-73-8	Fum						•
9	Amitrole	61-82-5	H				•		
10	Anthracene oil	90640-80-5	Multiple		•				
11	Arsenic and its compounds	Several	Multiple	1B ¹	•				
12	Atrazine	1912-24-9	H						•
13	Azafenidin	68049-83-2	H				•		
14	Azinphos-ethyl	2642-71-9	I, A	1B					
15	Azinphos-methyl	86-50-0	I, A	1B				R	
16	Benomyl	17804-35-2	Fun			•	•		
17	Beta-cyfluthrin; Cyfluthrin	68359-37-5	I, A	1B					
18	Beta-HCH; beta-BCH	319-85-7	I, A					S	
19	Blasticidin-S	2079-00-7	Fun	1B					
20	Borax; Borate salts*	Several	I				•		
21	Boric acid	10043-35-3	I				•		
22	Brodifacoum	56073-10-0	R	1A			•		
23	Bromadiolone	28772-56-7	R	1A			•		
24	Bromethalin	63333-35-7	R	1A					
25	Bromophos-ethyl	4824-78-6	I	1B					
26	Bromoxynil	1689-84-5	H				•		
27	Bromoxynil butyrate	3861-41-4	H				•		
28	Bromoxynil heptanoate	56634-95-8	H				•		
29	Bromoxynil octanoate	1689-99-2	H				•		
30	Butocarboxim	34681-10-2	I, A	1B					
31	Butoxycarboxim	34681-23-7	I, A	1B					
32	Cadusafos	95465-99-9	N, I	1B					
33	Calcium cyanide	592-01-8	R	1A					
34	Captafol	191906	Fun	1A	•			R	

¹ Some actives in this group are classified WHO 1A or WHO 1B

A: Acaricide, **Ad:** Adjuvant, **Fun:** Fungicide, **Fum:** Fumigant, **H:** Herbicide, **I:** Insecticide, **N:** Nematicide, **R:** Rodenticide, **WP:** Wood preservation

UEBT ref number	Prohibited agrochemicals <i>Active ingredient or group</i>	CAS number	Main use	Acute toxicity	Chronic toxicity			International conventions	Severe effects
					Carcinogenic	Mutagenic	Reproductive toxicant		
35	Carbendazim	10605-21-7	Fun			•	•		
36	Carbetamide	16118-49-3	H				•		
37	Carbofuran	1563-66-2	I, A	1B				R	
38	Chlordane	57-74-9	I, A					R, S	
39	Chlorethoxyphos	54593-83-8	I	1A					
40	Chlorfenvinphos	470-90-6	I, A	1B					
41	Chlormephos	24934-91-6	I	1A					
42	Chlorophacinone	3691-35-8	R	1A			•		
43	Chlorothalonil	1897-45-6	Fun		•				
44	Chlorotoluron	15545-48-9	H						•
45	Chlorpyrifos	2921-88-2	I, A				•		
46	Chlorpyrifos-methyl	5598-13-0	I, A				•		
47	Clothianidin	210880-92-5	I						•
48	Coumaphos	56-72-4	I, A	1B					
49	Coumatetralyl	5836-29-3	R	1B			•		
50	Creosote	8001-58-9	WP		•				
51	Cyproconazole	94361-06-5	Fun				•		
52	DDT	50-29-3	I					R, S	
53	Demeton-S-methyl	919-86-8	I, A	1B					
54	Dichlorvos; DDVP	62-73-7	I, A	1B					
55	Dicofol	115-32-2	I, A					S	
56	Dicrotophos	141-66-2	I, A	1B					
57	Difenacoum	56073-07-5	R	1A			•		
58	Difethialone	104653-34-1	R	1A			•		
59	Dimethomorph	110488-70-5	Fun				•		
60	Dimoxystrobin	149961-52-4	Fun						•
61	Dinocap	39300-45-3	Fun				•		
62	Dinoterb	1420-07-1	H	1B			•		
63	Diphacinone	82-66-6	R	1A					
64	Disulfoton	298-04-4	I, A	1A					
65	DNOC and its salts	Several	Fun	1B				R	
66	Dustable powder formulation. Containing a combination of: benomyl ≥7%, carbofuran ≥1%, thiram ≥15%.	137-26-8_f	I					R	
67	E-Phosphamidon	297-99-4	I, A	1A				R	

¹ Some actives in this group are classified WHO 1A or WHO 1B

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UEBT ref number	Prohibited agrochemicals Active ingredient or group	CAS number	Main use	Acute toxicity	Chronic toxicity			International conventions	Severe effects
					Carcinogenic	Mutagenic	Reproductive toxicant		
68	Edifenphos	17109-49-8	I, A	1B					
69	Endosulfan; alpha-Endosulfan; beta-Endosulfan*	115-29-7; 959-98-8; 33213-65-9	I, A					R, S	
70	Epichlorohydrin	106-89-8	I		•				
71	EPN	2104-64-5	I, A	1A					
72	Epoxiconazole	133855-98-8	Fun				•		
73	Ethiofencarb	29973-13-5	I	1B					
74	Ethoprophos; Ethoprop	13194-48-4	N, I	1A					
75	Ethylene dibromide; 1,2-dibromethane	106-93-4	Fum		•			R	
76	Ethylene dichloride; 1,2-dichloroethane	107-06-2	Fum		•			R	
77	Ethylene oxide	75-21-8	Fum		•	•		R	
78	Ethylene thiourea	96-45-7	Other				•		
79	Famphur	52-85-7	I, A	1B					
80	Fenamiphos	22224-92-6	N, I, A	1B					
81	Fenchlorazole-ethyl	103112-35-2	H		•				
82	Fentin Acetate	900-95-8	Fun						•
83	Fentin Hydroxide	76-87-9	Fun						•
84	Fipronil	120068-37-3	I, A						•
85	Flocoumafen	90035-08-8	R	1A			•		
86	Fluazifop-butyl	69806-50-4	H				•		
87	Flucythrinate	70124-77-5	I, A	1B					
88	Fluoroacetamide	640-19-7	I	1B				R	
89	Flusilazole	85509-19-9	Fun				•		
90	Formetanate	22259-30-9	I, A	1B					
91	Furathiocarb	65907-30-4	I	1B					
92	Glufosinate-ammonium	77182-82-2	H				•		
93	Heptenophos	23560-59-0	I, A	1B					
94	Hexachlorobenzene	118-74-1	Fun	1A	•			R, S	
95	Hexachlorocyclohexane; BHC mixed isomers	608-73-1	I, A					R	
96	Hydrogen cyanide	74-90-8	Fum	1A					
97	Imidacloprid	138261-41-3	I, A						•
98	Iprodione	36734-19-7	Fun		•				
99	Isoxathion	18854-01-8	I	1B					
100	Lindane	58-89-9	I, A					R,S	

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UEBT ref number	Prohibited agrochemicals <i>Active ingredient or group</i>	CAS number	Main use	Acute toxicity	Chronic toxicity			International conventions	Severe effects
					Carcinogenic	Mutagenic	Reproductive toxicant		
101	Linuron	330-55-2	H				•		
102	Magnesium phosphide	12057-74-8	Fum						•
103	Mancozeb	8018-01-7	Fun				•		
104	Mecarbam	2595-54-2	I, A	1B					
105	Mercury and its compounds	Several	Fun	1A ¹				R	
106	Methamidophos	10265-92-6	I, A	1B				R	
107	Methidathion	950-37-8	I, A	1B					
108	Methiocarb	2032-65-7	I, A	1B					
109	Methomyl	16752-77-5	I, A	1B					
110	Methyl bromide	74-83-9	Fum					M	
111	Mevinphos	7786-34-7	I, A	1A					
112	Molinate	2212-67-1	H						•
113	Monocrotophos	6923-22-4	I, A	1B				R	
114	Nicotine	54-11-5	I, A	1B					
115	Nitrobenzene	98-95-3	I				•		
116	Omethoate	1113-02-6	I, A	1B					
117	Oxamyl	23135-22-0	N, I, A	1A					
118	Oxydemeton-methyl	301-12-2	I, A	1B					
119	Paraffin oils with a DMSO content >3%	Several	Ad, A, Fun		•				
120	Paraquat dichloride	1910-42-5	H					R	•
121	Parathion	56-38-2	I, A	1A				R	
122	Parathion-methyl	298-00-0	I, A	1A				R	
123	PCP; Pentachlorophenol and its salts	87-86-5	WP	1B				R, S	
124	Phorate	298-02-2	I, A	1A					
125	Phosphamidon	13171-21-6	I, A	1A				R	
126	Phosphine	7803-51-2	Fum						•
127	Profoxydim	139001-49-3	H						•
128	Propetamphos	31218-83-4	I, A	1B					
129	Propiconazol	60207-90-1	Fun				•		
130	Propylene oxide, Oxirane	75-56-9	Fum		•	•			
131	Quizalofop-p-tefuryl	119738-06-6	H						•
132	Silaflluofen	105024-66-6	I, A				•		
133	Sodium cyanide	143-33-9	R	1B					
134	Sodium fluoracetate (1080)	62-74-8	R	1A					

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UEBT ref number	Prohibited agrochemicals Active ingredient or group	CAS number	Main use	Acute toxicity	Chronic toxicity			International conventions	Severe effects
					Carcinogenic	Mutagenic	Reproductive toxicant		
135	Spirodiclofen	148477-71-8	I, A		•				
136	Strychnine	57-24-9	R	1B					
137	Sulfluramid	4151-50-2	I, A					R, S	
138	Sulfotep	3689-24-5	I, A	1A					
139	Tebupirimifos	96182-53-5	I	1A					
140	Tefluthrin	79538-32-2	I	1B					
141	Tepraloxydim	149979-41-9	H						•
142	Terbufos	13071-79-9	N, I, A	1A					
143	Thallium sulfate	7446-18-6	R	1B					
144	Thiacloprid	111988-49-9	I, A				•		
145	Thiamethoxam	153719-23-4	I, A						•
146	Thiofanox	39196-18-4	I, A	1B					
147	Thiometon	640-15-3	I, A	1B					
148	Thiourea	62-56-6	Multiple						•
149	Triadimenol	55219-65-3	Fun				•		
150	Triazophos	24017-47-8	I, A	1B					
151	Tributyltin compounds	Several	Fun					R	
152	Trichlorfon; Metrifonato	52-68-6	I, A					R	
153	Tridemorph	81412-43-3	Fun				•		
154	Triflumizole	68694-11-1	Fun				•		
155	Vamidotion	2275-23-2	I, A	1B					
156	Vinclozolin	50471-44-8	Fu				•		
157	Warfarin	81-81-2	R	1B			•		
158	Z-Phosphamidon	23783-98-4	I, A	1A				R (f)	
159	Zinc phosphide	1314-84-7	R	1B					

¹ Some actives in this group are classified WHO 1A or WHO 1B

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OBSOLETE SUBSTANCES

The table opposite includes agrochemicals known to be 'obsolete': no longer formally registered, produced or widely banned.

These are included here, as some of these agrochemicals may still be accessible in some of the countries where UEBT certified, verified or prioritised ingredients are produced.

All these substances are not allowed to be used under UEBT Standard

UEBT ref number	Obsolete agrochemicals <i>Active ingredient</i>	CAS number
1	2,3,4,5-Bistetrahydro-2- furaldehyde	126-15-8
2	2,4,5-T	93-76-5
3	2,4,5-TCP, potassium salt	35471-43-3
4	Aldrin	309-00-2
5	Binapacryl	485-31-4
6	Chloranil	118-75-2
7	Chlordecone (kepone)	143-50-0
8	Chlordimeform	6164-98-3
9	Chlorobenzilate	510-15-6
10	DBCP	96-12-8
11	Dieldrin	60-57-1
12	Dinoseb and its salts and esters	88-85-7
13	Endrin	72-20-8
14	Heptachlor	76-44-8
15	Leptophos	21609-90-5
16	Mirex	2385-85-5
17	Nitrofen	1836-75-5
18	Octamethylpyrophosphoramidate (OMPA)	152-16-9
19	Propham	122-42-9
20	Safrole	94-59-7
21	Silvex	93-72-1
22	Strobane	8001-50-1
23	TDE	72-54-8
24	Toxaphene (Camphechlor)	8001-35-2

RISK MITIGATION AGROCHEMICALS

The use of the Risk Mitigation Agrochemicals is discouraged as they are known to bear significant human health and environmental risks. Where these substances are applied, this should be done within the context of an IPM as per UEBT standard requirement **2.4.4**.

Other risk mitigation measures are to be followed to protect people and the environment as specified in the UEBT standard under requirements **2.4.5, 2.4.6, 2.4.7**, and include among others:

Higher-level personal protection required¹

If labels do not provide details of PPE for applicators, the following PPE are used: wear coveralls over long-sleeved shirt, long pants, socks and stout shoes, with chemically resistant gloves, with protection for eyes (i.e. a face mask or goggles), and respiratory protection (i.e. a respirator).

Agrochemicals listed as having risk to aquatic life, or risk to terrestrial wildlife

Should only be applied if non-application zones and/or vegetative barriers and/or riparian and wetland buffer and/or other mechanisms are used to reduce spray drift from areas treated with agrochemicals and surrounding natural, sensitive sites and areas of human activities and/or other effective mechanisms are used to reduce spray drift.

Agrochemicals listed as having risk to pollinators

Should only be applied if:

- Less toxic, efficacious agrochemicals are not available;
- Exposure of natural ecosystems to agrochemicals is minimized by establishing non-application zones, or functional vegetative barriers; and
- Contact of pollinators with these substances is further reduced:
 - Substances are not applied to flowering weeds or flowering weeds are removed; and
 - Substances are not applied while the crop is in its peak flowering period.

Agrochemicals listed as having bystander risk²

Agrochemicals listed as having an increased bystander risk have an inhalation risk, and should only be applied if:

- Restricted Entry Intervals (REIs) are enforced; and
- Respirators with an organic vapor (OV) cartridge or canister with any N, R, P, or 100-series filter are used or any other equivalent respirator according to the respective national regulation which protects the applicant properly against inhalation risk; and
- All application sites are flagged to indicate inhalation risks to bystanders.

Note on likely future of certain prohibited agrochemicals

Acetochlor, **Carbosulfan** and **Fenthion** have been recommended by the review committee for inclusion in the Rotterdam Convention (PIC), and **Methoxychlor** for inclusion in the Stockholm Convention (POP).

These have not yet been formally approved by the Conference of the Parties to these conventions. When they are officially included, they will move to the UEBT Prohibited List from the Risk Mitigation List.

¹ Indicates that occupational exposure risk assessments have demonstrated potential for exposure, and significant acute or chronic risks.

² Bystanders are defined as people, other than farm workers, pesticide handlers, or their families, who are exposed to pesticides by inhalation.

UEBT ref number	Risk mitigation agrochemicals <i>Active ingredient or group</i>	CAS number	Main use	Higher-level PPE	Aquatic risk	Wildlife risk	Pollinator risk	Bystander risk
1	1,3-Dichloropropene	542-75-6	Fum	•	•	•	•	•
2	2,4-D, 2-ethylhexyl ester	1928-43-4	H	•	•			
3	2,4-D, isooctyl ester	53404-37-8	H	•	•			
4	Acephate	30560-19-1	I, A	•		•	•	
5	Acequinocyl	57960-19-7	I, A		•			
6	Acetamiprid	135410-20-7	I, A		•			
7	Acifluorfen, sodium salt	62476-59-9	H	•		•		
8	Amitraz	33089-61-1	I, A	•				•
9	Anilazine	101-05-3	Fun		•			
10	Azoxystrobin	131860-33-8	Fun		•			
11	Bendiocarb	22781-23-3	I, A	•	•	•	•	•
12	Benfluralin	1861-40-1	H			•		
13	Benfurcarb	82560-54-1	I, A	•	•	•	•	
14	Bensulide	741-58-2	H	•	•	•		•
15	Bentazon, sodium salt	50723-80-3	H	•		•		•
16	Bifenthrin	82657-04-3	I, A		•		•	
17	Bromacil	314-40-9	H	•	•			
18	Captan	133-06-2	Fun	•			•	
19	Carbaryl	63-25-2	I, A	•	•	•	•	
20	Carbosulfan (recommended PIC)	55285-14-8	I, A	•	•	•	•	•
21	Cartap hydrochloride	15263-53-3	I, A	•	•		•	
22	Chlorfenapyr	122453-73-0	I, A		•	•	•	
23	Chloropicrin	76-06-2	Fum	•	•	•		•
24	Chlozolinat	84332-86-5	Fun	•	•			
25	Copper hydroxide	20427-59-2	Fun	•		•		
26	Copper oxide (ic)	1317-38-0	Fun		•			
27	Copper oxide (ous)	1317-39-1	Fun				•	
28	Copper oxychloride	1332-40-7	Fun	•		•	•	
29	Copper oxychloride sulfate	8012-69-9	Fun	•			•	
30	Copper sulfate (anhydrous)	7758-98-7	Fun		•			
31	Copper sulfate (pentahydrate)	7758-99-8	I, A	•	•	•	•	
32	Cube root extracts	no CAS		•				•
33	Cyanazine	21725-46-2	H	•		•		
34	Cycloate	1134-23-2	H	•			•	•

A: Acaricide, **Fun:** Fungicide, **Fum:** Fumigant, **H:** Herbicide, **I:** Insecticide, **N:** Nematocide, **R:** Rodenticide

UEBT ref number	Risk mitigation agrochemicals <i>Active ingredient or group</i>	CAS number	Main use	Higher-level PPE	Aquatic risk	Wildlife risk	Pollinator risk	Bystander risk
35	Cyhalothrin	68085-85-8	I, A	•	•		•	
36	Cyhalothrin, gamma	76703-62-3	I, A	•	•			
37	Cyhalothrin, lambda	91465-08-6	I, A	•	•		•	
38	Cypermethrin, alpha	52315-07-8	I, A	•	•		•	
39	Cypermethrin, beta	65731-84-2	I, A	•	•		•	
40	Dazomet	533-74-4	Fun	•	•	•	•	
41	Deltamethrin	52918-63-5	I, A	•	•		•	
42	Diazinon	333-41-5	I, A	•	•	•	•	•
43	Dichlobenil	1194-65-6	H	•		•		
44	Dichloran	99-30-9	Fun	•		•		•
45	Diclofop-methyl	51338-27-3	H	•		•		
46	Difenzoquat methyl sulfate	43222-48-6	H	•		•		
47	Diflubenzuron	35367-38-5	I, A	•	•	•		
48	Dimethenamid	87674-68-8	H		•			
49	Dimethenamid-P	163515-14-8	H		•			
50	Dimethoate	60-51-5	I, A	•	•	•	•	•
51	Dinotefuran	165252-70-0	I, A		•		•	
52	Diquat dibromide	85-00-7	H	•		•		•
53	Diquat ion	2764-72-9	H	•		•		
54	Diuron	330-54-1	H	•		•		
55	Dodine	10/03/2439	Fun	•	•	•	•	
56	D-trans Allethrin (Bioallethrin)	584-79-2	I, A	•				•
57	Emamectin benzoate	137512-74-4	I, A	•	•		•	
58	EPTC	759-94-4	H	•		•	•	•
59	Esfenvalerate	66230-04-4	I, A	•	•		•	
60	Ethalfuralin	55283-68-6	H	•	•			
61	Ethion	563-12-2	I, A	•	•	•	•	•
62	Etoxazole	153233-91-1	I, A		•			
63	Famoxadone	131807-57-3	Fun		•	•		
64	Fenbutatin-oxide	13356-08-6	I, A	•	•	•		
65	Fenitrothion	122-14-5	I, A	•		•		
66	Fenoxycarb	79127-80-3	I, A		•			
67	Fenpropathrin	39515-41-8	I, A	•	•	•	•	
68	Fenpyroximate	134098-61-6	I, A	•	•	•		
69	Fenvalerate	51630-58-1	I, A	•	•		•	
70	Fenthion (recommended PIC)	55-38-9	I, A		•	•	•	
71	Ferbam	14484-64-1	Fun	•	•		•	•

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UEBT ref number	Risk mitigation agrochemicals <i>Active ingredient or group</i>	CAS number	Main use	Higher-level PPE	Aquatic risk	Wildlife risk	Pollinator risk	Bystander risk
72	Fluazinam	79622-59-6	Fun	•			•	•
73	Flufenacet	142459-58-3	H	•	•			
74	Fluopyram	658066-35-4	Fun			•		
75	Flupyradifurone	951659-40-8	I, A				•	
76	Folpet	133-07-3	Fun	•	•			
77	Fomesafen sodium	108731-70-0	H	•				•
78	Formetanate hydrochloride	23422-53-9	I, A	•	•	•	•	
79	Glyphosate, isopropylamine salt	38641-94-0	H			•		
80	Glyphosate-trimesium	81591-81-3	H			•		
81	Haloxyfop-P	95977-29-0	H	•	•		•	•
82	Hexazinone	51235-04-2	H	•	•	•		
83	Indoxacarb, S-isomer	173584-44-6	I, A				•	
84	Iodosulfuron methyl, sodium salt	144550-36-7	H		•			
85	Isoxaben	82558-50-7	H			•		
86	Lenacil	01/08/2164	H		•			
87	Lime-sulfur	1344-81-6	I, A	•		•		
88	Lufenuron	103055-07-8	I, A		•		•	
89	Malathion	121-75-5	I, A	•			•	
90	Maleic hydrazide	123-33-1	H				•	•
91	Maleic hydrazide, potassium salt	28382-15-2	H				•	•
92	Maneb	12427-38-2	Fun	•		•	•	•
93	MCPA, 2-ethyl hexyl ester	29450-45-1	H	•	•			
94	MCPA, isooctyl ester	26544-20-7	H	•	•			
95	Metalaxyl	57837-19-1	Fun	•		•		
96	Metam	144-54-7	Fum	•	•	•		
97	Metam potassium	137-41-7	Fum	•	•	•		
98	Metam-sodium	6734-80-1	Fum	•	•	•		
99	Metconazole	125116-23-6	Fun			•		
100	Methoprene	40596-69-8	I, A		•	•		
101	Methoxychlor	72-43-5	I, A	•	•			
102	Methyl iodide	74-88-4	Fum	•	•	•		•
103	Methyl isothiocyanate	556-61-6	I, A	•	•			•
104	Metiram	9006-42-2	Fun	•		•		•
105	Metolachlor	51218-45-2	H	•		•		
106	Metolachlor, (S)	87392-12-9	H	•	•			
107	Metribuzin	21087-64-9	H	•		•		
108	Mineral oil, refined	8042-47-5	I, A		•			

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109	Monolinuron	1746-81-2	H		•			
110	Myclobutanil	88671-89-0	Fun	•		•		
111	Naled	300-76-5	I, A	•	•	•	•	•
112	Napropamide	15299-99-7	H	•		•		
113	Norflurazon	27314-13-2	H		•	•		
114	Novaluron	116714-46-6	I, A		•			
115	Oryzalin	19044-88-3	H	•	•	•		
116	Oxadiazon	19666-30-9	H	•	•	•		
117	Oxycarboxin	5259-88-1	Fun				•	
118	Oxyfluorfen	42874-03-3	H	•	•	•		
119	Oxythioquinox; Chinomethionat	02/01/2439	Fun, A	•	•	•		
120	PCNB (Quintozene)	82-68-8	Fun	•	•		•	•
121	Pendimethalin	40487-42-1	H			•		
122	Permethrin	52645-53-1	I, A	•	•	•	•	
123	Phosalone	2310-17-0	I, A	•	•	•		
124	Phosmet	732-11-6	I, A	•	•	•	•	
125	Pirimicarb	23103-98-2	I, A	•	•	•	•	
126	Pirimiphos methyl	29232-93-7	I, A	•	•	•	•	•
127	Profenofos	41198-08-7	I, A	•	•	•	•	•
128	Prometryn	7287-19-6	H	•	•	•		
129	Propamocarb hydrochloride	25606-41-1	Fun	•			•	
130	Propanil	709-98-8	H	•	•	•		
131	Propargite	2312-35-8	I, A	•		•		
132	Propoxur	114-26-1	I, A	•	•	•	•	•
133	Prosulfuron	94125-34-5	H		•			
134	Pyraclostrobin	175013-18-0	Fun	•	•			
135	Pyrazophos	13457-18-6	Fun		•	•	•	
136	Pyrethrins	8003-34-7	I, A	•			•	
137	Pyridaben	96489-71-3	I, A	•	•		•	
138	Pyridalyl	179101-81-6	I, A		•			
139	Resmethrin	10453-86-8	I, A		•	•	•	
140	Rotenone	83-79-4	I, A	•			•	•
141	S-Dimethenamid	163515-14-8	H	•	•			
142	Simazine	122-34-9	H			•		
143	Sodium chlorate	09/09/7775	H			•		
144	Sodium tetrathiocarbonate	7345-69-9	Fun	•		•		

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145	Spinetoram (XDE-175-J)	187166-40-1, 935545-74-7	I, A				•	
146	Spinosad (mixture of Factors A & D)	131929-60-7	I, A			•		
147	Sulfentrazone	122836-35-5	H	•		•	•	
148	Tecnazene	117-18-0	Fun	•	•			
149	Teflubenzuron	83121-18-0	I, A		•	•		•
150	Terrazole; etridiazole	2593-15-9	Fun	•		•	•	
151	Tetrachlorvinphos, Z-isomer	22248-79-9	I, A	•	•	•		
152	Tetraconazole	112281-77-3	Fun			•	•	
153	Thiabendazole	148-79-8	Fun		•	•		
154	Thiobencarb	28249-77-6	H	•	•	•	•	•
155	Thiodicarb	59669-26-0	M	•	•	•		
156	Thiophanate-methyl	23564-05-8	Fun	•				
157	Tolfenpyrad	129558-76-5	I, A	•	•	•		
158	Triallate	2303-17-5	H	•	•	•		
159	Triazamate	112143-82-5	I, A		•	•		
160	Triclopyr, triethylamine salt	57213-69-1	H	•				
161	Trifloxystrobin	141517-21-7	Fun	•	•	•	•	
162	Triflumuron	68628-44-0	I, A		•	•		
163	Trifluralin	1582-09-8	H	•			•	
164	Triforine	26644-46-2	Fun			•		
165	Triticonazole	131983-72-7	Fun				•	
166	Zeta-Cypermethrin	52315-07-8z	I, A	•	•		•	
167	Zineb	12122-67-7	Fun	•		•	•	
168	Ziram	137-30-4	Fun	•	•			

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UEBT is a non-profit association that promotes sourcing with respect. Its mission is to regenerate nature and secure a better future for people through ethical sourcing of ingredients from biodiversity.

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