



FLO Prohibited Materials List

The FLO Prohibited Materials List specifies which materials cannot be used by FLO-certified producers. This list is an integral part of the environmental standards for Small Farmers' organisations and for Hired Labour (see also the requirements on agrochemicals under 3.2 in the standards for Small Farmers' Organisations and Hired Labour).

Explanatory note: The here listed materials cannot be used by FLO-certified producers while handling Fairtrade products. The prohibition applies to all activities that producers are involved in, e.g. production, post-harvest treatment, processing, storage, transportation, etc. The FLO Prohibited Materials List is divided in two tables: Table 1 lists a **group of materials** that are specifically prohibited by FLO for a certain product; Table 2 lists all the **specific materials** that cannot be used by FLO-certified producers. Table 2 is divided in 3 columns: the left-hand column specifies the materials name; the centre-column states what the type of use is of the material (insecticide, nematicide, etc.); and, the right-hand column lists a number of specific FLO prohibitions and regulations. The materials listed in the column titled 'Materials name' are forbidden for all FLO products unless the column 'Specific FLO Prohibitions and Regulations' states differently. The materials listed are derived from the following sources: WHO Class I a & I b, Pesticide Action Network's "dirty dozen" list, FAO/ UNEP's Prior Informed Consent Procedure. Additionally, a number of materials are listed that are specifically and exclusively prohibited by FLO. In these cases the application conditions are specified in the 'Specific FLO Prohibitions and Regulations' column. Also in case exceptions are allowed for a certain product the right-hand column specifies this.

Table 1 Material Groups

Specific FLO Prohibition:

- ❖ The use of Herbicides is prohibited in banana production

Table 2 Specific materials

Materials name	Use Type	Specific FLO Prohibitions and Regulations
A		
2,4,5-T	Herbicide	
3-Chloro-1,2-propanediol (see also Alpha-chlorohydrin)	-	
Acrolein	Algaecide	
Aldicarb	Nematicide, insecticide, acaricide	
Allyl alcohol	Herbicide	
Aldrin	Insecticide	
Alpha-chlorohydrin (3-Chloro-1,2-propanediol)	-	
Amoxicillin	-	Prohibited only in post-harvest treatment of bananas
Aroclor (see Polychlorinated biphenyls (PCB))	-	
Asbestos (such as Crocidolite, Actinolite, Anthophyllite, Amosite and Tremolite)	-	
Azinphos-ethyl	Insecticide, fungicide	
Azinphos-methyl	Insecticide	
B		
Binapacryl	Fungicide, acaricide	
Blasticidin	Fungicide	
Brodifacoum	Rodenticide	
Bromadiolone	Rodenticide	
Bromethalin	Multipurpose	
Butocarboxim	Insecticide	
Butoxycarboxim	Insecticide	
C		
Cadusafos	Nematicide, insecticide	Allowed in flowers under exceptional conditions*
Calcium cyanide [C]	Rodenticide	
Calcium arsenate	Herbicide, insecticide, rodenticide, molluscicide	
Campechlor (see also Toxaphene)	Insecticide	
Captafol	Fungicide, acaricide	
Carbofuran (see also Dustable powder formulations)	Nematicide, insecticide, acaricide	Allowed in flowers under exceptional conditions*
Chlorfenvinphos	Insecticide, acaricide	
Chlorethoxyfos	Insecticide	
Chlordane	Insecticide	
Chlordimeform	Insecticide, acaricide	
Chlorobenzilate	Insecticide	
Chlormephos	Insecticide	
Chlorophacinone	Rodenticide	
Chlorothalonil	Fungicide, nematicide	Prohibited only in Fresh fruit and

Materials name	Use Type	Specific FLO Prohibitions and Regulations
		Juice production
Coumatetralyl	Rodenticide	
Coumaphos	Insecticide	
Cupric acetoarsenite (see also Paris Green)	Wood preservative	
D		
DBCP (Dibromochloropropane)	Nematicide	
DDT	Insecticide	
Demeton-S-methyl	Insecticide, acaricide	
Dichlorvos	Insecticide, acaricide	
Dicrotophos	Insecticide	
Dieldrin	Insecticide	
Difenacoum	Rodenticide	
Difethialone	Rodenticide	
Diphacinone	Rodenticide	
Dinoseb (and its salts and esters)	Herbicide	
Dinoterb	Herbicide	
Disulfoton	Insecticide, acaricide	
Dinitro-ortho-cresol (DNOC) (such as ammonium salt, potassium salt and sodium salt)	Fungicide, impurity, herbicide, microbiocide	
Dustable powder formulations containing a combination of : benomyl ≥ 7 % carbofuran >10 % thiram ≥ 15 %	Fungicide	
E		
Ethylene dibromid (EDB)	Insecticide, mitocide, nematicide	
Ethylene dichloride	Insecticide	
Ethylene oxide	Insecticide	
Edifenphos	Fungicide	
EPN	Insecticide, acaricide	
Endosulfan	Insecticide	
Ethiofencarb	Insecticide	
Ethoprophos	Nematicide, insecticide	
F		
Famphur	Insecticide	
Fenamiphos	Nematicide	Allowed in flowers under exceptional conditions*
Flucythrinate	Insecticide	
Flocoumafen	Rodenticide	
Fluoroacetamide	Rodenticide, insecticide	
Fonofos	Insecticide	
Formetanate	Insecticide	
Formaldehyde	Disinfectant	Prohibited only in Flowers
Fosfamidon (or written as phosphamidon)	Insecticide, acaricide	
Furathiocarb	Insecticide	
H		
Heptachlor	Insecticide	

Materials name	Use Type	Specific FLO Prohibitions and Regulations
Heptenophos	Insecticide	
Hexachlorobenzene	Fungicide	
Hexachlorocyclohexane HCH/BHC - (mixed isomers)	Insecticide	
I		
Isazofos	Nematicide	Allowed in flowers under exceptional conditions*
Isofenphos	Insecticide	
Isoxathion	Insecticide	
L		
Lead arsenate	Fungicide, insecticide, rodenticide	
Lindane	Insecticide	
M		
Mecarbam	Insecticide, acaricide	
Mercuric oxide	Fungicide	
Mercury compounds (including: inorganic mercury compounds, alkyl mercury cpds., mercury cpds., and alkyloxylalkyl and aryl mercury cpds)	Fungicide	
Mercuric chloride	Fungicide	
Methamidophos	Insecticide, acaricide	
Methidathion	Insecticide, acaricide	
Methiocarb	Insecticide, molluscicide	
Methomyl	Insecticide, acaricide	
Methyl parathion	Insecticide, acaricide	
Mevinphos	Insecticide, acaricide	
Monocrotophos	Insecticide, acaricide	
N		
Nicotine	Insecticide	
O		
Omethoate	Insecticide, acaricide	
Oxamyl	Nematicide, insecticide, acaricide	Allowed in flowers under exceptional conditions*
Oxydemeton-methyl	Insecticide, acaricide	
P		
Paraquat dichloride	Herbicide	
Parathion	Insecticide, acaricide	
Paris green (see alsoCupric acetoarsenite)	Wood preservative	
Pentachlorophenol (PCP)	Insecticide, herbicide, fungicide	
Phenylmercury acetate (PMA)	Fungicide, microbiocide, herbicide	
Phorate	Insecticide, herbicide, fungicide	
Phosphamidon (or written as fosfamidon)	Insecticide, acaricide	
Polybrominated biphenyl mixture (PBB)	-	

Materials name	Use Type	Specific FLO Prohibitions and Regulations
Polychlorinated biphenyls (PCB) (see also Aroclor)	-	
Polychlorinated terphenyls (PCT)	-	
Phostebupirim (see also Tebupirimfos)	Insecticide	
Pindone	Rodenticide	
Pirimiphos-ethyl	Insecticide	
Propaphos	Insecticide	
Propetamphos	Insecticide	
S		
Sodium fluoroacetate	Insecticide	
Sodium arsenite	Herbicide, insecticide, rodenticide, fungicide	
Sodium cyanide	Rodenticide	
Strychnine	Rodenticide, avicide	
Sulfotep	Insecticide, herbicide, fungicide	
T		
Tebupirimfos (see also Phostebupirim)	Insecticide	
Tetraethyl lead	-	
Tetramethyl lead	-	
Tris (2,3-dibromopropyl) phosphate	-	
Toxaphene (see "camphechlor")	Insecticide	
Tefluthrin	Insecticide	
Terbufos	Nematicide, insecticide	
Thallium sulfate	Rodenticide	
Thiabendazole	Fungicide, fruit preservative	Must be phased out over time, and used with at least 50% less persistent chemicals.
Thiofanox	Insecticide	
Thiometon	Insecticide	
Triazophos	Insecticide, acaricide, nematicide	Allowed in flowers under exceptional conditions*
V		
Vamidotion	Nematicide, insecticide	Allowed in flowers under exceptional conditions*
W		
Warfarin	Rodenticide	
Z		
Zeta-cypermethrin	Insecticide	
Zinc phosphide	Rodenticide	

* Section 3 of the FLO Cut Flowers standard and the FLO Ornamental Plant standard describes under which exceptional conditions the here listed nematicides WHO Class I b are allowed to be used.