

ZIMBABWE HIGHLY HAZARDOUS PESTICIDES SHORT LIST

	ACTIVE INGREDIENT	CONCENTRATION	HHP CRITERIA	USES
1	Alachlor	480EC 480G/L	ROTTERDAM ANNEX III	A pre-emergence emulsifiable concentrate herbicide for the control of most annual grasses and certain broad-leaved weeds in maize, groundnuts, soybeans, sunflowers, potatoes, transplanted cabbage, broccoli, Brussels sprouts and sugar cane.
2	Aluminium phosphide	560 TABLET 560G/KG	WHO 1B	A tablet fumigant insecticide for the control of pests in stored grain, seed, tobacco and storage premises. Can also be used for the control of porcupines, moles and other rodents as indicated on the label
3	Paraffinic oil	800G/L EC	GHS CARC (1A. 1B)	Paraffin oils may also be used as adjuvants with active insecticidal, fungicidal and herbicidal substances.
4	Boric acid	LESS THAN 5%	GHS 1A/B REPRODUCTIVITY TOXICITY	For control of roaches as bait
5	Carbendazim	50SC 500G/KG	GHS 1A/B REPRODUCTIVITY TOXICITY GHS 1A/1B MUTAGENICITY	A fungicide used to control a range of diseases including Septoria, Fusarium, Grey Leaf Spot and Sclerotinia
6	Creosote	700G/L 300/G/L	GHS 1A/B CARCINOGENICITY GHS 1A/B MUTAGENICITY	Creosote is a category of carbonaceous chemicals formed by the distillation of various tars and pyrolysis of plant-derived material, such as wood or fossil fuel. Creosote is used to treat and preserve wood.
7	Carbolineum	300G/L	GHS 1A/B CARCINOGENICITY GHS 1A/B MUTAGENICITY	Carbolineum is a dark brown to black liquid derived entirely from coal tar and having a typical coal tar odor. It is a blend of creosote and coal tar. It is intended for use in the preservation of timber, exterior use only. The toxicity and strong odor prohibit the interior use of carbolineum for both human and animal habitation. It should not

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				come into contact with food or potable water.
8	Dichlorvos (ddvp)	100EC	WHO 1B	Dichlorvos is an organophosphate contact and fumigant insecticide for Grain beetle; Flour beetle; Weevils; Grain borer; Flies; Mosquitoes; Cockroaches; Aphids; Thrips
9	Fenamiphos	400EC/ 100 G	WHO 1B	An organophosphate insecticide and nematicide used to control ectoparasites, endoparasitic, free-living and cyst-forming nematodes in Fruit including citrus, grapes, and pineapples; Glasshouse crops including tomatoes, peppers; aubergine, cucumber; Vegetables; Peanuts; Tobacco; Turf; Ornamentals including herbaceous plants and nursery stock
10	Flusilazole	250 EC	GHS 1A/B REPRODUCTIVITY TOXICITY EU GHS 1A/1B	A fungicide for control of smut in sugarcane Powdery mildew in apples and pears Grey leaf spot in maize
10	Flusilazole 12.5% Carbendazim 27.5%	400SC 37.5SC	GHS 1A/B REPRODUCTIVITY TOXICITY EU GHS 1A/1B	wheat, winter barley for control of Eyespot, Septoria spp, powdery mildew, yellow and brown rust, Rhynchosporium, net blotch oilseed rape, sugar beet. Soyabeans for control Rust (<i>Phakospora Pachyrhizi</i>) and Frogeye Leaf Spot
11	Formetanate hydrochloride	580SP	WHO 1B	Control of Thrips in citrus, Chrysanthemums, and roses
12	Flumioxazin	500WP	GHS 1A/B REPRODUCTIVITY TOXICITY	Flumioxazin is a broad spectrum contact herbicide for control of invasive and noxious weeds.
13	Glufosinate-ammonium	200SL	GHS 1A/B REPRODUCTIVITY TOXICITY EU GHS 1A/1B	A non-selective, partly systemic contact herbicide formulated as a water-soluble concentrate, for the control of certain broadleaf weeds, grasses, and sedges in citrus, coffee, cotton, industrial and non-cultivated land, maize and pears.
14	Methiocarb	800WP	WHO 1B	A carbamate insecticide for control of sucking pests in potatoes and stone fruits. Also for control of snails and slugs in citrus.

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15	Methomyl	900SP	WHO 1B	An insecticide for control of budworm, laceworm, lesser armyworm in tobacco lands. Control of American bollworm, Heliothis bollworm, Mealy bug, Orange dog, Psylla, Red scale in citrus Control of Antestia Bug and Giant looper in coffee
16	Oxamyl	100G 310 SL	WHO 1B	A soil-applied nematicide and insecticide used to control chewing and sucking insects on the field and other crops
17	Procymidone	250SC	GHS 1A/B REPRODUCTIVITY TOXICITY	A fungicide widely used in horticulture as a seed dressing, pre-harvest spray or post-harvest dip for the control of various fungal diseases
18	Terbufos	150G	WHO 1B	An insecticide and nematicide used to control soil and other pests
19	Athraquinone	500WP	GHS REPRO (1A, 1B)	A repellent for control of birds including
20	Demeton-S-methyl	500 EC 250 EC	WHO 1B	An insecticide used to control aphids and other sucking insects on a range of crops
21	Triazophos	400 EC 250ULV	WHO 1B	An insecticide, nematicide, and acaricide for the control of a range of insects in a wide range of crops
22	Zinc phosphide	800G/KG GRANULE	WHO 1B	Used in bait products for the control of rodents in a variety of situations
23	Mevinphos	240EC	WHO 1A	An insecticide and acaricide used to control a broad spectrum of sucking and chewing insects
24	Azinphos-Methyl	500WP	WHO 1B ROTTERDAM ANNEX III	An organophosphorus insecticide for the control of sucking and chewing pests
25	Chlorfenvinphos	278.8G/L EC	WHO 1B	A soil-applied insecticide used to control root-flies, rootworms, and other soil pests.
26	Epoxiconazole	12% CS	GHS REPRO (1A, 1B)	A broad-spectrum fungicide for control of diseases caused by <i>Ascomycetes</i> , <i>Basidiomycetes</i> , and <i>Deuteromycetes</i>
27	Linuron	50%WP	GHS REPRO (1A, 1B)	A herbicide for the pre- and post-emergence control of annual grass and broad-leaved weeds

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28	Sodium Cacodylate (Arsenic)	58%G/KG	EU GHS CARC(1A,1B)	Sodium Cacodylate is an arsenic insecticide with delayed action stomach poison. It is used as bait in ant traps.
29	Monosodium methylarsonate MSMA (Arsenic)	48% SC	EU GHS CARC(1A,1B)	Controls annual and perennial grasses in cotton, lawns, apples, vines, apples, coffee and deciduous fruits
30	Chromated Copper Arsenate (Arsenic)	60% EC	EU GHS CARC(1A,1B)	Preservative Treated Wood for various weather protected and exterior uses. Recommended restrictions Outdoor residential structures such as decks and playgrounds.
31	Difethialone	PELLETS BLOCKS	GHS REPRO (1A, 1B)	Anti-coagulant rodenticide
32	Bromadiolone	0.005GR	GHS REPRO (1A, 1B)	Anti-coagulant rodenticide
33	Brodifacoum	0.05 G/KG 0.005 G/KG PELLETS 0.0075G/KG	GHS REPRO (1A, 1B)	Anti-coagulant rodenticide
34	Diphacinone	0.05G/KG	WHO 1 A GHS REPRO (1A, 1B)	Anti-coagulant rodenticide
35	Flocoumafen	0.005G/KG BAIT	GHS REPRO (1A, 1B)	Anti-coagulant rodenticide
36	Thiacloprid	480G/L	GHS REPRO (1A, 1B)	A neonicotinoid systematic insecticide for control of thrips and aphids in citrus and cotton.
37	Thiacloprid + Flubendiamide	19.92% +19.92% w/w (480SC)	GHS REPRO (1A, 1B)	A broad spectrum insecticide for control and management of chewing and sucking pests. For control of thrips and fruit borers in chilli For control of <i>Tuta absoluta</i> and Fall armyworm
38	Triadimenol	250 EC 150WP	GHS REPRO (1A, 1B)	A fungicide for control of rust in coffee, powdery mildew in mangoes, damping off in Oats, Peas, Peppers, Rice. Control of rust in soyabeans. Control of smut in sugarcane. Control of Rhizoctonia & Fusarium on tobacco seedbeds. Control of Brown/Stem Rust and Burnt and Loose Smut & Smut, powdery mildew on wheat

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39	Disulfoton+Triadimenol	5.75% granule	GHS REPRO (1A, 1B)	Leaf Miner in Coffee
41	Paraffinic oil	800G/L EC	GHS CARC (1A, 1B)	Paraffin oils may also be used as adjuvants with active insecticidal, fungicidal and herbicidal substances. Used as insecticides and acaricides to protect crops. They also have a fungicidal effect and may be used to fight diseases such as powdery mildew.
42	Carbaryl + Copper Oxychloride/Malathion / Dinocap	50/50/40/20 G/KG	GHS REPRO (1A, 1B)	Control of aphids, cabbage moth in brassicas. Downy Mildew
43	Dinocap	20G/KG DUST 200G/KG WP	GHS REPRO (1A, 1B)	Powdery Mildew control in cucubits and nectarines
44	Beta Cyfluthrin	10WP,125SC,145 OD	WHO 1 B	
Agreed by conventions but not yet formally listed				
1	Carbosulfan	25EC	Rotterdam ANNEX III	
2	Fenthion	40 SC/ 50EC	Rotterdam ANNEX III <i>Formulation greater than 640g/l</i>	
3	Dicofol	18.5 SL 20 EC	Stockholm ANNEX III POP	
Banned HHPs				
Check the list of banned pesticides in Zimbabwe				