

CIR-191790/2021-Copper Oxychloride containing copper contents (WP) (429)-549

Copper Oxychloride containing copper contents 50.00% w/w WP
(Contact Fungicide)

It is highly effective fungicide based on copper oxy chloride containing 50% w/w copper content and balance adjuvants

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Ltr)	Waiting Period between last spray to harvest in days	Re-entry after each Application (In Hours)
		AI (kg)	Formulation (kg)			
GRAPES	DOWNY MILDEW	1.25	2.5	750-1000		
POTATO	EARLY BLIGHT	1.25	2.5	750-1000		
	LATE BLIGHT	1.25	2.5	750-1000		
COFFEE	BLACK ROT	1.87-3.75	3.75-7.5	750-1000		
	RUST	1.87-3.75	3.75-7.5	750-1000		
BANANA	FRUIT ROT	1.25	2.5	750-1000		
	LEAF SPOT	1.25	2.5	750-1000		
TOMATO	EARLY BLIGHT	1.25	2.5	750-1000		
	LATE BLIGHT	1.25	2.5	750-1000		
	LEAF SPOT	1.25	2.5	750-1000		
TOBACCO	DOWNY MILDEW	1.25	2.5	750-1000		
	BLACK SANK	1.25	2.5	750-1000		
	FROG EYE LEAF	1.25	2.5	750-1000		
COCONUT	BUD ROT	1.25	2.5	750-1000		
CITRUS	LEAF SPOT	1.25	2.5	750-1000	-	
	CANKER	1.25	2.5	750-1000	-	
BETEL	FOOT ROT	1.25	2.5	750-1000		

	LEAF SPOT	1.25	2.5	750-1000		
CHILLIES	LEAF SPOT	1.25	2.5	750-1000		
	FRUIT ROT	1.25	2.5	750-1000		

Direction of Use

Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer. Do not use on fruit trees without addition of shafeners e.g.cotton seed oil to avoid leaf and scotch and re setting.

Time of Application

For the best results apply prophylactically i.e. before disease attack plants,in rain weather spraying must be repeated at shorter intervals.

Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals food.
2. Avoid contact with mouth, eyes and skin.
3. Avoid inhalation the spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and parts of the body after spraying.
5. Do not smoke, drink, eat and chew anything while spraying.
6. Wear full protective clothing while mixing and spraying.

Symptoms Of Poisoning

Vomiting, sotmach ache, diarrhoea, metallic taste in mouth, headache, cold sweat, weak pulse may occur.

First Aid

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.
2. If clothing and skin are contaminated, remove the clothes and wash the contaminated skin with copious amount of soap and water.
3. If eyes are contaminated, flush with plenty of saline/clean water for about 10 to 15 minutes.
4. If inhaled, remove the patient to fresh air.

Phytotoxicity

The product is not phytotoxic when used as per field recommendation.

Antidote

Empty stomach by gastric lavage with milk or perferably sol. of Potassium ferrocyanide. Administer egg white and other demulscents. Maintain electrolyte and fluid balance Morphine and Pethidine may be given to control pain. If symptoms persists, give dimercaprol or penicillamine. Pencillamine

may be given in the dose of 15-40 mg/kg /day (max. 1-2 gm/day divided into four doses) for five days. Dimercaprol is given in the dose of 3mg /kg every four hours for first four days and 2 mg/kg every 12 hours for a total of 10 days by intravenous route. Give within first four hours of poisoning to obtain maximum benefit.

Disposal Of Used Container

- 1.It shall be the duty of manufacturers, formulators of fungicide and operators to dispose packages or surplus materials and washings from the machines and containers shall be disposed off in a safe manner, so as to prevent environmental or water pollution.
2. The used packages shall not be left outside to prevent their re-use
3. Packages shall be broken and burried away from habitation

Storage Conditions

1. The packages containing the fungicide shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles of or shall be kept in separate almirahs under lock and key depend upon the quantity and nature of the fungicide.
2. The rooms or premises meant for storing the fungicide shall be well-lit and ventilated and of sufficient dimensions.

Chemical Composition:

Copper Oxychloride Tech. (containing copper contents 50.0% w/w Based upon 57.0% Cu contents in technical)	87.80 % w/w
Suspending Agent: Carboxy methyl cellulose	2.00 % w/w
Dispersing agent:Alkyl naphthyl sulphonate type	2.00 % w/w
Wetting agent :Alkyl aryl sulphonate type	3.00 % w/w
China Clay	5.20 % w/w

Total: 100.00 % w/w
