

CIR-191805/2021-Copper Oxychloride (WG) (429)-551

**Copper Oxychloride WG formulation containing 50% w/w Copper as its active ingredient.**

**( Contact Fungicide )**

Copper Oxychloride 50 % WG is used for the control of downy mildew in grape and anthracnose in mango. The particles size range form 2 to 6 microns, thus displaying a fine layer of active ingredient on sprayed crops resulting in enhanced efficacy.

**Recommendation**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Ltr)	Waiting Period between last spray to harvest (days)	Re-entry after each Application (In Hours)
		AI (%)	Formulation (%)			
Grape	Downy Mildew	0.12 % or 120 g/100 lt water	0.24 % or 240g/100 lt. water	As required depending	30	
Mango	Anthracnose	0.12 % or 120 g/100 lt water	0.24 % or 240g/100 lt. water	on plant protection equipment used	10	

**Direction of Use**

Do not use in those situations where there is a possibility of harming fish and livestock. Do not contaminate streams, lakes and ponds. Plant Protection Equipment: Knapsack sprayers fitted with flat fan nozzle is recommended. Foot sprayer can be also be used.

**Precaution**

1. Avoid inhalation and skin contact while diluting because of spillages or splashes. do not mix with bare hands.
2. The users should use full protective clothing which includes rubber gloves, boots, either face shield or dust mask and overall or rubber apron hood or hat.
3. Use in high concentration with low and ultra low volume applications equipment is dangerous and should be avoided.

**Symptoms Of Poisoning**

Vomiting, pain in mouth, esophagus, and stomach, diarrhoea with abdominal pain, metallic taste in mouth, severe headache and sweat and weak pulse.

**First Aid**

1. Send for physician. If condition is serious, remove patient to nearest hospital.
2. If skin is contaminated remove contaminated clothing and wash contaminated skin with soap and plenty of water.
3. If swallowed, induce vomiting by tickling the back of throat.

**Antidote**

Empty stomach by gastric lavage with milk or preferably with solution of potassium ferrocyanide. Administer egg white and other demulsent, maintain electrolyte and fluid balance. Morphine or pethidine may be given to control pain. Dose of penicillamine 15-40 mg/kg (Max. dose 3-4 g/day) divided into four dosages should be administered for five days. Dimercaprol solution should be given 3 mg/kg every four hours for first four days and 2 mg/kg every twelve hours for ten days. For better effect, give the treatment within four hours of treatment. Dimercaprol is administered intravenously.

**Disposal Of Used Container**

1. Do not leave used containers outside to prevent their re-use.
2. Destroy used containers and bury them away from habitation where there is no underground water source.
3. Dispose of used packages, surplus materials and washings of the fungicides in a safe manner so as to prevent environmental or water pollution and contamination of animal feeds.

**Storage Conditions**

1. The packages containing the fungicides shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly food articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the fungicide.
2. The rooms or premises meant for storing the fungicides shall be well lit, well built, dry cool, ventilated and of sufficient dimensions to avoid contamination with vapour.

**Chemical Composition:**

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Copper Oxy Chloride Tech (copper contents 50% w/w)	Based on purity copper contents 57% min.	90.00 % w/w
Surfactants	Nonionic, Anionic or blend of nonionic and anionic dispersants: Sodium Polycarboxylate	4.00 % w/w
Wetting agent or Wetting cum dispersing agent	salt of Naphthalene sulphonic acid condensate	2.00 % w/w
Wood based chemical type dispersants	Calcium Lignosulphonate	3.00 % w/w
Fillers	China clay	1.00 % w/w
<b>Total:</b>		<b>100.000 % w/w</b>

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