

CIR-191766/2021-Mancozeb (WP) (429)-1194

Mancozeb 75 % WP

(Contact Fungicide)

It is a Co-ordination product of Zinc & Magnaneses ethylene bisdithiocarbamate and contact fungicide based on Mancozeb Tech. containing 75% w/w active ingredient and balance adjuvants.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		Dilution in Water Ltr	Waiting Period between last spray to harvest	Re-entry after each Application (In Hours)
		AI (kg)	Formulation (kg)			
Grapes	Angular leaf spot, Downy mildew, Anthracnose	1.125-1.5	1.5-2	750		
Guava	Fruit rot	15 gm/tree	20 gm/tree	10		
Potato	Late blight, Early blight	1.125-1.5	1.5-2	750		
Banana	Tip rot, Sigatoka leaf spot, Cigar end rot	1.125-1.5	1.5-2	750		
Wheat	Brown & Black rust, Blight	1.125-1.5	1.5-2	750		
Cumin	Blight	1.125-1.5	1.5-2	500	-	
Jowar	Leaf spot	1.125-1.5	1.5-2	750		
Tomato	Late blight, Buck eye rot, Leaf spot	1.125-1.5	1.5-2	750		
Paddy	Blast	1.125-1.5	1.5-2	750		
Cauliflower	Collar rot	2.25	3	1000		
	Leaf spot	1.125-1.5	1.5-2	750		
Maize	Leaf blight, Downy mildew	1.125-1.5	1.5-2	750		
Chillies	Damping off	2.25	3	1000		
	Fruit rot, Ripe rot, Leaf spot	1.125-1.5	1.5-2	750		

Groundnut	Tikka diseases & Rust	1.125-1.5	1.5-2	750		
	Collar rot, leaf spot	18.75 to 22.50 gm / 10 kg seed	25 – 30 gm / 10 kg seed	0.1 (water slurry)	-	
Apple	Scab & Sooty Blotch	22.5 gm/tree	30 gm/tree	10		

Direction of Use

Ground nut: to treat the seed, first make slurry with required quantity of test fungicide with 10 ml of water per 1 kg of seed and swirl it in a closed container to make uniform coating on the seeds. Then shade dry and sown.

Time of Application

Mainly foliar spray and also soil drench. Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer, ASPEE-HIP power sprayer.

Precaution

Caution: while handling the fungicide workers and users must wear full protective clothing like long sleeved shirts, long pants, chemical resistant gloves, shoes, goggles, hat and mask.

Precautions:

- 1) keep away from foodstuffs, empty foodstuff containers and animals feed.
- 2) Avoid contact with mouth, eyes and skin.
- 3) Avoid inhalation of the spary 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

Itching, tightness in chest, palpitation, hypotension. Nausea, vomiting, diarrhea. Hypothermia and ataxia 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 eye are contaminated, flush with plenty of saline/clear 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

No specific antidote is known. Treat symptomatically.

Disposal Of Used Container

1. It shall be the duty of manufactures formulator and operator to dispose packages or surplus material and washings from the machine and container shall be disposed off in a safe manner so as to prevent environmental and water pollution.
2. The used packages shall not be left outside to prevent their re-use.
3. Packages shall be broken and buried away from habitation.

Storage Conditions

1. The packages containing the material shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of material.
2. The room or premises meant for storing the material shall be well built, dry, ventilated, well-lit and of sufficient dimensions to avoid contaminated with vapours.

Chemical Composition:

Mancozeb technical	(Based on 85% w/w a.i.)	88.23 % w/w
Suspending Agent	(Gum)	2.00 % w/w
Dispersing Agent	(Alkyl naphthyl sulphonate)	2.00 % w/w
Surfac active agent	(Sodium Salt of alkyl aryl Sulphonate)	2.00 % w/w
China Clay		5.77 % w/w

Total: 100.00 % w/w
