

CIR-191781/2021-CARBENDAZIM + MANCOZEB (WS) (429)-2274

CARBENDAZIM 25% + MANCOZEB 50% WS

(Systemic and Contact Fungicide)

It is a broad spectrum systemic and contact fungicide containing Carbendazim 25% and Mancozeb 50% as active ingredients. It is meant for the control of seed borne and early soil borne diseases.

Caution :-

1. Not to be used for any purpose other than those subscribed on label and leaflet.
2. Destroy the container after use as directed on leaflet.
3. It has fetotoxic and teratogenic potential – pregnant woman to avoid contact with the product.
4. It is toxic to aquatic organism hence should not be used near water bodies, aquaculture and pisciculture area.
5. Wear plant protection equipment as mentioned in precautions.
6. Dangerous to re-use empty container.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water	Waiting Period between last spray to harvest	Re-entry after each Application (In Hours)
		AI	Formulation			
Potato	Late Blight, Black Scurf	(1.5 + 3.0) to (1.75 + 3.5)/10 kg seed	6-7/10 kg seed	2		
Black gram	Root rot, Collar rot	7.5 + 15	30	0.1	-	-
Wheat	Loose smut	7.5+15 to 8.75+17.5	30 to 35	0.1		
Bengal gram	Dry root rot, Collar rot	7.5 + 15	30	0.1	-	-
Paddy	Brown spot, Blast, Sheath blight	7.5+15 to 8.75+17.5	30 to 35	0.1		
Onion	Damping-off	7.5 + 15	30	0.1	-	-
Maize	Seed rot, seedling blight	7.5 + 15	30	0.1	-	-
Groundnut	Collar rot, Dry root rot, Tikka leaf spot	(7.5 + 15.0) to (8.75 + 17.5)/10 kg seed	30-35/10 kg seed	0.1		
Soybean	Root rot, Collor rot	7.5 + 15	30	0.1	-	-

Direction of Use

Plant Protection Equipment:

Manually/ mechanically operated seed

dressing rotating drum. For Potato:

The measured quantity of chemical was mix with 10ltr of water in a container for preparing the fungicide solution which was used for treating five lots of potato seed tubers consisting of 10 kg seed tubers per lot for 20-30 minutes dip in each case. The treated tubers were dried under shade prior to sowing in the field.

For groundnut:

To treat the seed, first make slurry with requisite quantity of test fungicides with 5 ml of water per 500 Gm of seed and swirl it in a closed container to make uniform coating on the seeds. Than shade dry and sown.

Time of Application

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Precaution

1. Keep away from foodstuff, empty foodstuff containers and animal feed.
2. Avoid contact with mouth, eyes and skin.
3. Avoid inhalation of spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and part of body after spraying.
5. Do not smoke, eat, drink nor chew anything while spraying.
6. Wear full protective clothing while spraying.

Symptoms Of Poisoning

No reported symptoms of poisoning. Sweating, headache, lethargy, coughing, sneezing, itching, nausea may be observed.

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 water and soap.
3. If eyes are contaminated, flush with plenty of saline/clean water for about 10 to 15 minutes.

Phytotoxicity

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Antidote

No specific antidote is known, treat symptomatically and supportively.

Disposal Of Used Container

1. Packages by surplus material and wrapping should be disposed off in a safe manner so as to prevent environmental and water pollution.
2. The used package shall not be left outside to prevent their re-use.

3. The package shall be broken and buried away from habitation.

Storage Conditions

1. The package containing fungicides shall be stored in separate rooms and 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 the product.
2. The rooms or premises used for storing fungicides shall be well built, dry, well-lit and ventilated and of sufficient dimensions to prevent environmental contamination with vapors of product.

Chemical Composition:

Mancozeb a.i .	50.00 % w/w
Carbendazim a.i.	25.00 % w/w
Sodium Ligno Sulfonate – (Dispersing agent)	7.00 % w/w
Sodium alkyl naphthalene sulfonate- (Wetting agent)	2.00 % w/w
Sodium alkyl naphthalene sulfonate	5.00 % w/w
Formaldehyde condensate- (Dispersing agent)	
Copper phthlocyanine (Blue pigment-15)	1.50 % w/w
Sucrose-(Fillers)	Q.S. %
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Total: 100.000% w/w	
