

CIR-191765/2021-Metalaxyl + Mancozeb (WP) (429)-822

Metalaxyl 8% + Mancozeb 64% WP

(Systemic and Contact Fungicide)

Metalaxyl 8% + Mancozeb 64% WP is a wettable powder containing a mixture of the systemic fungicide metalaxyl and the contact fungicides mancozeb. It contain 80 gm/kg. metalaxyl (8% m/m) and 640 gm/kg mancozeb (64% m/m). Metalaxyl 8% + Mancozeb 64% WP MZ 72 WP ensure a double protection to the target plants during the period of active growth from the inside due to systemic activity of metalaxyl and from the outside due to contact activity of mancozeb.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water Water (Ltr.)</u>	<u>Waiting Period between last spray to harvest (Weeks)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (gm/%)</u>	<u>Formulation (gm/%)</u>			
Grapes	Downy Mildew	2000 or 0.4%	2500 or 0.5%	500	Not less than 7 weeks.	
Potato	Late blight	1800 or 0.18%	2500 or 0.25%	1000	Not less than 7 weeks	
Black Pepper	Phytophthora foot rot	1.8 g.a.i/vine or 0.09%	2.5 g/vine or 0.125%	2 lit/vine (spraying) 5 lit/vine (soil drenching)	Not less than 21 weeks	
Tobacco (Nursery)	Damping off	3600 or 0.072%	5000 or 0.1%	1000	Not less than 7 weeks	
	Leaf blight, Black Shank (Soil drench at sowing and spray at 30 days after sowing)	1440 or 0.14%	2000 or 0.2%	1000	Not less than 7 weeks	
Pearl millet	Downy mildew	1400 or 0.28%	2000 or 0.4%	500	Not less than 7 weeks	
Mustard	White rust and Alternaria blight	1800 or 0.18%	2500 or 0.25%	1000	Not less than 8 weeks	

Direction of Use

Measure out the required quantity of the product and mix it well with a small quantity of water. Add the remaining quantity of water as specified with thorough agitation. Adjust the quantity of product in proportion to the water required to cover a hectare when high volume spray equipment such as knapsack sprayers, hand compression sprayer are used. It is also suitable for low volume application with motorized knapsack sprayer, mist blowers etc. with flood jet nozzle.

Compatibility: At recommended rates, Metalaxyl 8% + Mancozeb 64% WP is compatible with most other commonly used insecticides and fungicides except lime sulphur.

Precaution

Do not use cooking utensils for preparing spray. Use stick for stirring the spray solution. Wear hand gloves to avoid contact with the skin. Also avoid inhalation and contact with eye. Wear protective clothing, mask, goggles, boots while spraying and do not expose yourself to spray drift. Do not blow nozzles with mouth. Do not eat, drink or smoke while handling or applying the product. Do not store unused spray solution. Clean sprayer, buckets and other utensils with water daily after use. Wash hand with soap and plenty of water and change clothes after the work is over. Also wash the contaminated clothes. Do not contaminate streams, ponds, waterways etc. by discharging leftover spray materials into them or by cleaning sprayers, contaminated buckets etc. in them. Do not use spray when bees are active. When used at recommended dosages, no adverse effect on wild life is expected. In case of any sign of poisoning, immediately consult the doctor.

Warning: Experience has shown that strains of fungus resistant to metalaxyl may develop, resulting in a reduction in the efficacy of the product and thus in yield losses since the occurrence of resistance cannot be foreseen. Registrant, accept no responsibility for any loss of or damages to crop resulting from the failure of Metalaxyl 8% + Mancozeb 64% WP to control the resistant strains.

Liability clauses: Recommendations for product usage based on the latest level of expertise of the manufacturer. Many factors such as weather and soil conditions, plant type, resistance, spraying technique and other applications may influence the effect of the product. Since the use of this product is beyond our control, we cannot assume any responsibility other than the uniform quality. The manufacturer warrants the quality of the product if acquired by the user in sealed, original packaging.

Symptoms Of Poisoning

Sedation, dyspnoea, exophthalmos, abnormal posture, tightness in muscles may occur.

First Aid

1. Under laboratory conditions the following unspecific poisoning symptoms were observed in rats.
2. In case of poisoning, call a physician immediately.
3. In case of poisoning by ingestion through mouth, victim should be induced to vomit.

4. In case of external contamination wash off contamination by soap water and remove the contaminated clothes and keep the victim in fresh air.

Antidote

No specific antidote is known., Treat symptomatically.

Disposal Of Used Container

1. Packages or surplus materials and washing from the machine and containers should be disposed of in a safe manner as to prevent environmental 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 package containing the fungicides shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of food or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the fungicide.
2. The room or premises meant for storing the insecticide shall be well built, dry, well lit and ventilation and of sufficient dimension to avoid contamination with vapour.

Chemical Composition:

Matalaxyl a.i.	8.00 % w/w
Mancozeb a.i	64.00 % w/w
Dispersing Agent: Condensate of Formaldehyde & naphthelene Phenol sulfonic acid sodium salt or equiv.	1.40 % w/w
Wetting Agent: Stearyl-benzimidazole disulphonic acid sodium salt or equivalent	0.60 % w/w
Carriers: Silica acid	0.60 % w/w
Kaolin	QS % w/w
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Total: 100.00 % w/w	
