

CIR-181836/2021-Difenoconazole (EC) (428)-394

Difenoconazole 25% EC

(Systemic Fungicide)

It is a systemic fungicide with excellent action against diseases such as Apple scab, leaf spot rust on Groundnut, Blight (*alternaria burnsii*) & Powdery mildew (*Erysiphae polygoni*) on Cumin, Purple blotch (*Alternaria porri*) on Onion, sheath blight in Paddy and die back and fruit rot in Chilli crop, Anthracnose, Powdery mildew in Grapes and fruit rot in Pomegranate . It contains 250 gm Difenoconazole 1-{2-[4-(4- chlorophenoxy) -2- chloropheny]-4-methyl-1-3- dioxolan 2-y1methyl}-1,2,4 trazole. per kg of emulsifiable concentrate (EC)formulation.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (Liter)</u>	<u>Waiting Period between last spray to harvest (Days)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (gm)</u>	<u>Formulation (ml)</u>			
Grapes	Anthracnose, Powdery mildew	0.0075%or7.5g m./100Ltr.water	0.03%or30ml/100ltr. water	500	10	
Pomegranate	Fruit rot (<i>collettotrichum gloeosporoides</i>)	0.025% or 25 g/100 liter water	0.1% or 100 ml/100 liter water	500	7	
Cumin	Blight (<i>alternaria burnsii</i>) & Powdery mildew (<i>Erysiphae polygoni</i>)	0.0125% or 12.5 g/100 liter water	0.05% or 50 ml/100 liter water	500	15	-
Paddy	Sheath blight	0.0125%or12.5 g/100Ltr.water	0.05%or50ml/100Ltr. water	500	25	
Onion	Purple blotch (<i>Alternaria porri</i>)	0.025% or 25 g/100 liter water	0.1% or 100 ml/ 100 liter water	500	20	-
Chilli	Die back, fruit rot	-do-	-do-	500-1000 (As per size of plant)	15	
Groundnut	Leaf spot	0.025% or 25 g/100 liter water	0.1% or 100 ml/ 100 liter water	As required depending upon the size of the plant and plant	34	-

				protection equipment used		
Apple	Scab	0.004% or 4 g/100 lt. water	0.015% or 15 ml/100 lt. water	As required depending upon the size of the plant and plant protection equipment used.	14	

Direction of Use

Measure out 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 for high volume of application through knapsack sprayers of high volume sprayers.

Precaution

Do not use the cooking utensil for preparing sprays solution. Use stick for stirring the spray solution. Wear hand gloves to avoid contact with the skin. Also avoid inhalation and contact with eyes. wear protective clothing masks, 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 hands 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 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.

Symptoms Of Poisoning

Poisoning may cause symptoms of sedation, dyspnea & hunched posture.

First Aid

In case of contact with skin and eyes, wash immediately with plenty of water. inhaled, move to clean air. If swallowed, give a large quantity of medical charcoal in plenty of water. Seek medical attention if a large volume of concentrate was ingested or if irritation should persist.

Phytotoxicity

The product is non phytotoxic when used as per field recommendation.

Antidote

No specific antidote is known. Apply symptomatic therapy.

Disposal Of Used Container

1. Packages or surplus materials and washing from the machines and containers should be disposed of in safe manners 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 package containing the fungicide 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 rooms or premises meant for storing the fungicide shall be well built, airy, well lit and ventilated and of sufficient dimension to avoid contamination with vapour.

Chemical Composition:

Difenoconazole a.i.	25.00 % m/m
Emulsifiers: Castor oil polyglycol ether 36-40	13.00 % m/m
Dodecyl bezeene sulfonic acid, calcium salt	2.00% mm
Solvent C-9	45.00 % m/m
Cyclohexanine	15.00 % m/m
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Total:100.00 % w/w	
