

CIR-181623/2021-Dimethoate (EC) (428)-273

Dimethoate 30% E.C

(Insecticide)

It is systemic action emulsifiable concentrate formulation based on dimethoate technical, It is a broad spectrum insecticide.

*Caution : Toxic to aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture. It is toxic to honeybees, spray application should be avoided during foraging period of bees. Product is highly toxic to birds hence avoid use near bird habitat. Its use on vegetables which are eaten raw and apple should not allowed.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water in water (Lt)</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>			
Fig	Fig jassid	0.03%	1485-1980	1500-2000		
Mango	Hopper	0.05%	2475-3300	1500-2000		
	Mealy bug	0.05%	2475-3300	1500-2000		
Potato	Aphids	200	660	500-1000		
Banana	Lace wing bug	0.03%	1485-1980	1500-2000		
	Aphid	0.03%	1485-1980	1500-2000	At 3 months old	
Apricot	Aphid	0.03%	1485-1980	1500-2000	Pre bloom	
Rose	Scale	750	2475	500-1000		
	Thrips	400	1320	500-1000		
Cabbage & Cauliflower	Mustard Aphid	200	660	500-1000		
Tomato	White Fly	300	990	500-1000		
Citrus	Blank citrus, aphid	0.03%	1485-1980	1500-2000		
Cabbage & Cauliflower	Aphid, Painted bug	200	660	500-1000		

Onion	Thrips	200	660	500-1000		
Brinjal	Shoot Borer	200	660	500-1000		
	Jassid	600	1980	500-1000		
Bhindi	Leaf Hopper	600	1980	500-1000		
	Aphid	700	2310	500-1000		
Chillies	Mite	300	990	500-1000		
	Thrips	200	660	500-1000		
Mustard	Leaf minor, Aphid, Sawfly	200	660	500-1000	-	
Apple	Stem Borer	0.03%	1485-1980	1500-2000	in March, April & June	

Direction of Use

P.P. Equipment:-Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer

Time of Application

-

Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals food.
- 2.. Avoid contact with mouth, eyes and skin.
- 3.. Avoid inhalation the spray 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

Headache, giddiness, vertigo,nausea, vomiting, blurred vision, diarrhoea, convulsions, sweating, excessive lacrimation, and salivation 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 cloth and wash the contaminated skin with copious amount of soap and water.
3. If eyes are contaminated, flush with plenty of saline/clean 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

1. Atropinize the patient immediately and maintain full atropinization by repeated doses of 2 to 4 mg. of atropine sulphate intravenously at 5 to 10 minutes interval. As much as 25 to 50 mg. of atropine may be required in a day. The need for further atropine administration is guided by the continuance of symptoms. Extent of salivation is a useful criterion for dose adjustment.
2. Dissolve 1-2 gm of 2 PAM in 10 ml distilled water and inject intravenously very slowly for 10-15 minutes.

Disposal Of Used Container

- 1 It shall be the duty of manufactures formulators and operator to dispose packages or surplus materials 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 burried away from habitation.habitation

Storage Conditions

1. The package 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 the material.
2. The rooms or premises meant for storing the insecticide shall be well built, dry, cool well lit and ventilation and of sufficient dimension to avoid contamination with vapour.

Chemical Composition:

Dimethoate tech.	(based on 85% w/w a.i.)	35.50 % w/w
Stabilizer (Epichlorohydrin)		1.00 % w/w
Emulsifier	(Non-ionic-poly oxy ethylene ether)	8.00 % w/w
Aromax		10.50 % w/w
Xylene		30.00 % w/w
Cyclohexanone		15.00 % w/w
		Total: 100.000 % w/w
