

CIR-181647/2021-Ethion + Cypermethrin (EC) (428)-491

Ethion 40% + Cypermethrin 5% EC

(Insecticide)

Ethion 40% + Cypermethrin 5% w/w EC is used for the contro of American bollworm on Cotton crop; Miters, Thrips & Fruit borer in Chilli.

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 (In Days)</u>	<u>Re-entry after each Applicatio n (In Hours)</u>
		<u>AI (gm)</u>	<u>Formulation (ml)</u>			
Cotton	American bollworm	400 + 50	1000	500	15	
Chilli	Miters, Thrips & Fruit borer	600+75	1500	500	10	-

Direction of Use

Knapsack sprayer, foot sprayer, compression knapsack sprayer, sompression knapsack battery sprayer, and ASPEE-HTP power sprayer.

Time of Application

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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

Nervousness, headache, digginess, nausea, vomiting. allertic manifestation, diarrhoea, convulsion, tightness in chest, muscular twitching, constricted pupils respiratory distress. excessive sweating lacrimation, salivation may occur.

First Aid

1. If swallowed, do not induce vomiting or give liquid orally.

2. If clothing and skin are contaminated, remove the clothes 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.

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
3. Antihistamines may be given for allergic manifestation.

Disposal Of Used Container

1. It shall be the duty of manufactures, formulators of insecticide 1. The packages containing the insecticide shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of or shall be kept in separate almirahs under lock and key depend upon the quantity and nature of the insecticide.
2. The rooms or premises meant for storing the insecticide shall be well built, dry, well - lit and ventilated and of sufficient dimensions.

Storage Conditions

1. The packages containing the insecticide shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of or shall be kept in separate almirahs under lock and key depend upon the quantity and nature of the insecticide.
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Chemical Composition:

Ethion A.I.		40.00 % w/w
Cypermethrin A.I		5.00 % w/w
Emulsifier a: (Polyethylene phenyl phenol derivative	(Styrenated phenol ethoxylate)	6.00 % w/w
Emulsifier B:	(Calcium salt of alkyl aryl sulphonic acid)	4.00 % w/w
Solvent C-IX		Q.S % w/w
Total:		100.000 % w/w
