

CIR-181845/2021-Chlorpyrifos + Cypermethrin (EC) (428)-1202

Chlorpyrifos 50% + Cypermethrin 5% EC

(Systemic and Contact Insecticide)

It is emulsifiable concentration containing active ingredient Chlorpyrifos 50% w/w cypermethrin 5% w/w balance emulsifiers and solvent. It effectively controls pest complex on cotton.

*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.

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 liter</u>			
Cotton	Aphid,Thrips,Jassid , Whitefly,American bollworm ,Pink bollworm ,Spotted bollworm,Spotted litura	500 + 50	1.000	500-1000	15	
Rice	Stem borer, leaf folder	312 + 32 to 375 + 38	0.625-0.750	500-700	15	

Direction of Use

Depending upon the stage of the crop increase or decrease the quantity of water.

Plant Protection Equipment: Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer, and ASPEE-HTP power sprayer fitted with hollow cone nozzle.

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, excessive sweating, lacrimation and salivation allergic manifestation may occur.

First Aid

1. If swallowed, do not induce vomiting or give liquid orally.
2. If clothing and skin are contaminated, remove the cloths 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

-

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 and operators to dispose packages or surplus materials and washings from the machines in a safe manner, so as to prevent environmental or 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 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 or shall be kept in separate almirahs under lock and key depending 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.

Chemical Composition:

Chlorpyrifos a.i.	Min. purity 94%	50.00 % w/w
Cypermethrin a.i.	Min. purity 92%	5.00 % w/w
Emulsifier A	(Blend of Cal. Salt of Alkyl benzene sulphonic acid & polyoxy ether of nonyl phenol	5.60 % w/w
Emulsifier B	Blend of Cal. Salt of Alkyl Benzene Sulphonic acid & Polyethoxy Propoxy ether of Fatty alcohol)	2.40% w/w

Aromatic Hydrocarbon solvent (like
Aromax)

Q.S. %

Total: 100.000 % w/w
