

CIR-191801/2021-Chlorpyrifos + Alphacypermethrin (EC) (429)-1464

### **Chlorpyrifos 16% + Alphacypermethrin 1% E.C**

( Insecticide )

Chlorpyrifos 16% + Alphacypermethrin 1% Readymix EC is a versatile broad spectrum insecticide, It is extremely effective against all types of bollworms. It is a contact and stomach insecticide with vapour action and quick knock down effect.

\*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**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Lit)	Waiting Period between last spray to harvest (days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (ml)			
COTTON	SPOTTED BOLLWORM, PINK BOLLWORM, AMERICAN BOLLWORM	425	2500	500-750	15	

#### **Direction of Use**

PP Equipment : It can be applied by conventional, manually operated knapsack sprayers or with power operated sprayers fitted with high or low volume nozzles.

#### **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**

Anorexia, headache, dizziness, miosis, blurred vision, abdominal cramps, tightness in chest, diarrhoea, , nausea, vomiting, allergic manifestation, excessive sweating lacrimation and salivation may occur.

#### **First Aid**

1. If swallowed, donot induce vomiting or give liquid orally.

2. If clothing and skin is 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

### **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.
3. Antihistamines may be given to control the allergic manifestation.

### **Disposal Of Used Container**

1. Packages or surplus materials and washing from the machines and containers should be disposed of in a safe manner so as to prevent environment 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 package containing the insecticides should be stored in original container separate room or almirah under lock and key depending quantity of insecticide, away from reach of children stuff, animal feeds and other articles.
2. The room are premises meant for storing the insecticide and shall be well built, dry, well lit and ventilated and of sufficient dimensions to avoid contamination with vapour.

### **Chemical Composition:**

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Chlorpyrifos Tech.	(94% purity)	17.0212 % w/w
Alphacypermethrin Tech .	(95% purity)	1.0526 % w/w
Emulsifier	Blend of alkyl-phenyl ethoxylate and calcium salt of alkyl - benzene-sulphonate	7.00 % w/w
Solvent : Aromax		74.9262 % w/w

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**Total: 100.000 % w/w**

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