

CIR-181826/2021-Profenofos + Cypermethrin (EC) (428)-1089

**Profenofos 40% + Cypermethrin 4%E.C.**

**( Insecticide )**

It is a combination product of organophosphorus and pyrethroid compound. It is used to control bollworm of cotton.

**Recommendation**

<b>Crop(s)</b>	<b>Common Name of Pest</b>	<b>Dosage/HA</b>		<b>Dilution in Water liter</b>	<b>Waiting Period between last spray to harvest days</b>	<b>Re-entry after each Application (In Hours)</b>
		<b>AI gm</b>	<b>Formulation ml</b>			
Cotton	Bollworm Complex	440-660	1000-1500	500-1000	14	

**Direction of Use**

Plant Protection Equipment:- Knapsack sprayer, Foot sprayer, strip pump etc.

**Time of Application**

It depends on the occurrence of the insect pests.

Repeat applications at an interval of 10-15 days. Water dilution given above is for high volume spray pump. Agitate the solution and prepare homogeneous mixture. Do not spray against the wind.

**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, Weakness, dizziness, abdominal cramps, diarrhoea, blurred vision, 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 allergic manifestation.

### **Disposal Of Used Container**

The empty packages shall be broken and buried away from habitation. The used packages shall not be left outside to prevent their re-use. The empty packages or surplus material and washing should be disposed off in safe manner so to prevent environment or water pollution.

### **Storage Conditions**

1. The Packages containing the insecticides 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 Almirah under lock and key, depending on 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 to avoid contamination with vapour.

### **Chemical Composition:**

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Profenofos a.i.	40.00 % w/w
Cypermethrin a.i	4.00 % w/w
Caster Oil Poly glycol ether 36/40 grade	9.75 % w/w
Dodecyl Benzene sulfonic Acid calcium salt	5.25 % w/w
Soyabean Oil, Epoxydised	1.00 % w/w
Solvent C-IX	Q.S. %
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<b>Total: 100.00 % w/w</b>	
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