

CIR-181827/2021-Profenophos (EC) (428)-1090

**Profenophos 50% EC**  
**( Systemic and Contact Insecticide )**

It is used to control bollworms, Jassids, Aphids, Thrips & White flies of cotton and semilooper and girdle beetle in soybean crop.

**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 ml</u>			
Cotton	Bollworms (Heliothis)	750-1000	1500-2000	500-1000	15	
	Aphids , Jassids , White flies , Thrips	500	1000	500-1000	15	
Soybean	Semilooper (Chrysodeixis acuta), Girdle beetle (Obereopsis brevis)	500	1000	500	40	

**Direction of Use**

Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer fixed with hollow cone nozzle.

Apply two to three sprays at 15 days interval depending on pest intensity on tea.

**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 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.

### **Disposal Of Used Container**

1. It shall be the duty of manufactures/formulators of insecticide and operator to disposed off package or surplus materials and washing 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 package 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.

### **Chemical Composition:**

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Profenofos a.i.(Min. purity 89% )	50.00 % w/w
Vegetable Oil	9.75 % w/w
Polyglycol Ether Alkyl Aryl Sulfonate	5.25 % w/w
Calcium Salt	
Soyabean Oil Epoxidised	3.00 % w/w
Solvent C-IX	Q.S. %
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<b>Total: 100.000 % w/w</b>	

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