

CIR-181847/2021-Acephate (SG) (428)-1691

**Acephate 95% SG (w/w)**

**( Insecticide )**

Acephate 95% SG is an organo phosphorus insecticide used for the control of stem borer, leaf folder and brown plant hoppers on Paddy, Jassid on Cotton and Thrips, Aphids and fruit borer (H. armigera) on Chilli.

\* Caution :- It is toxic to honey bees, spray application should be avoided during the foraging period of bees.

**Recommendation**

<b><u>Crop(s)</u></b>	<b><u>Common Name of Pest</u></b>	<b><u>Dosage/HA</u></b>		<b><u>Dilution in Water (Litre)</u></b>	<b><u>Waiting Period between last spray to harvest (days)</u></b>	<b><u>Re-entry after each Application (In Hours)</u></b>
		<b><u>AI (g)</u></b>	<b><u>Formulation (g)</u></b>			
Cotton	Jassid	750	790	500	18	-
Paddy	Stem borer, leaf folder, brown plant hoppers	562.5	592	500	30	
Chilli	Thrips, Aphids, Fruit borer (H. armigera)	750	790	500	7	-

**Direction of Use**

(a)Preparation of spray solution: Take the required quantity of formulation, dilute with little water and stir well using a stick. Then add the remaining quantity of water as per spray volume required and mix well again by stirring.

(b)Plant Protection equipment: Use knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer as ASPEE-HTP sprayer.

**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**

The early symptoms may be combination of headache, giddiness, vertigo, nausea, vomiting blurred vision, sweating, excessive lacrimation and salivation.

### **First Aid**

1. Gastric lavage with 5% sodium bicarbonate may be given if swallowed.
2. Wash contaminated skin and irrigate eyes with normal saline.

### **Phytotoxicity**

Acephate 95% SG is not phytotoxic when used as per recommendations.

### **Antidote**

1. Atropinise the patient immediately and maintain full atropinization by repeated doses of 2 to 4 mg at 5 minutes to 10 minutes interval for hours together. The need for further atropine administration is indicated by the continuation of symptoms. As much as 24 to 50 mg may be required in a day. The extent of salivation is a useful criterion to follow in adjusting the dosages of atropine.
2. Administer 1-2 gm of 2-pyridine-2-aldazine-N-methyl-odine (2 P.A.M) diluted in 10 cc of distilled water and injected intravenously very slowly taking 10 to 15 minutes.

### **Disposal Of Used Container**

- (1) Packages or surplus material and washings from the machines and containers shall be disposed off in a safe manner so as to prevent environment and water pollution.
- (2) The used packages shall not be left outside to prevent their re-use.
- (3) The packages shall be broken and buried away from the habitation.

### **Storage Conditions**

1. The packages containing the insecticides shall be stored in separate rooms or premises away from the room or premises used for storing other articles particularly food articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the insecticides.
2. The store room should be well built, well lit, ventilated and of sufficient dimension. The condition of the store should be dry and cool.

### **Chemical Composition:**

Acephate a.i. content	95.00 % w/w
Blend of tallow amine ethoxylate with amphoteric surfactant	1.00 % w/w
Ammonium sulphate	Q.S. %
<hr/>	
<b>Total: 100.00 % w/w</b>	
<hr/>	