

CIR-181848/2021-Acephate (SP) (428)-1692

Acephate 75% SP

(Insecticide)

It is a soluble powder containing Acephate ingredient 75% w/w and balance other relevant ingredients. It is used to control Jassids and bollworms on cotton, Aphid on safflower and stem borer, leaf folder, plant hopper & GLH on Paddy. *Caution :- It is toxic to honey bees, spray application should be avoided during the foraging period of bees.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water 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 (gm)</u>			
Cotton	Bollworm	584	780	500-1000	15	
	Jassid	292	390	500-1000	15	
Safflower	Aphid	584	780	500-1000	15	
Paddy	Stem borer, Leaf folder, Plant hopper & GLH	500-750	666-1000	300-500	15	

Direction of Use

Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer.

Time of Application

• Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals feed.
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 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 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

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 herbicide and operator to dispose packages or surplus materials and washings from the machine and container shall be disposed off in a safe manner so as to prevent environmental and water. pollution.
2. The used packages shall not be left outside to prevent their reuse.3 Packages shall be broken and burried away from habitation.

- **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 or shall be kept in separate almirah under lock and key depending upon the quantity and nature of the insecticide
2. The rooms or premises meant for storing the insecticides shall be well built, dry, well-lit, ventilated and of sufficient dimensions to avoid contamination with vapours **Chemical**

Composition:

Acephate a.i	75.00 % w/w
Aerosol OTB : (Sodium Dioctyl sulphosuccinate)	0.50 % w/w
Fine silica (Hisil 233 or Ultrasil VN 3)	QS % w/w

Total : 100.000% w/w
