

CIR-181646/2021-ACEPHATE + CYPERMETHRIN (DF) (428)-1688

ACEPHATE 45% + CYPERMETHRIN 5 % DF

(Insecticide)

Acephate 45% + cypermethrin 5% DF is broad-spectrum contact and stomach insecticide used for the control of aphid, jassid, thrips, and bollworms in Cotton.

WARNING:

1. Not to be used on Crops and pests other than mentioned on label & Leaflets.
2. Not to be used for Post-Harvest Application.
3. Destroy container after use as directed on leaflet.

CAUTION:

Toxic to honeybees and fish. It should not be used in the areas where pisciculture is practiced. Do not spray during active bee foraging period of the day.

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	Aphid, jassid, thrips and bollworms	425	850	500-600	22	-

Direction of Use

Measure out required quantity of the product and mix well with a small quantity of water. Add the remaining quantity of water as specified with thorough agitation for total coverage of crop with suitable sprayer.

Plant Protection Equipment: Knapsack sprayer, compression knapsack sprayer, compression knapsack battery sprayer, battery operated power sprayer and ASPEE-HTP power sprayer.

Time of Application

Precaution

1. The spray man should use appropriate protective cloth like that long sleeved shirt, long pants and shoes.
2. Avoid contact with eyes and skin when handling the concentrates spray solution avoid inhalation of spray mist. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke during application.
3. Remove contaminated clothes and wash before reuse, Do not reuse the empty containers.
4. Wash hands & exposed skin with soap and water before meals and after work.
5. After spraying this insecticide, the sprayer and utensils should be thoroughly cleaned with plenty of soap and water.

Symptoms Of Poisoning

Nervousness, anxiety, tremor, convulsions, skin allergies, sneezing, running nose and stiffness of nose, headache, giddiness, vertigo, nausea, vomiting, blurred vision, diarrhoea, excessive sweating, lacrimation and salivation may occur.

First Aid

1. If ingestion: Do not induce vomiting unless told to do so by a poison control centre or doctor. In emergency take the patient to the nearest hospital.
2. If inhaled: Remove the patient to the fresh air.
3. If on skin or clothing: Wash contaminated skin with plenty of soap and water. Remove contaminated clothes.
4. If in eyes: If eyes are contaminated, flush eyes thoroughly with water for at least 15 minutes and refer to doctor.

Phytotoxicity

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Antidote

1. Atropine sulphate 2-4 mg intravenously at 5 to 10 minutes interval for hours together.
2. 1-2 gm, 2 PAM intravenously very slowly for 10 to 15 minutes in 10 ml distilled water.
3. Administer intravenously Phenobarbital or diphenyl hydration or their combinations, anticonvulsant drugs or diazepam group of drugs. Attention should be given to maintain respiratory, cardiovascular and renal functions.

Disposal Of Used Container

1. It shall be the duty of the manufacturers, formulators of insecticide and operators to dispose packages or surplus materials and washings in a safe manner so as to prevent environmental and 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.
4. Dangerous to re-use empty containers.

Storage Conditions

1. The packages containing insecticide 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 almirahs under lock and key depending upon the quantity and name of the insecticide.
2. The store room should be well-built, well-lit, ventilated and sufficient in dimensions. The condition of the store should be dry and cool.

Chemical Composition:

Acephate technical (Based on 97% w/w a.i.)	46.391 % w/w
Cypermethrin technical (Based on 92% w/w a.i)	5.434 % w/w
Calcium salt of dodecyl benzene sulfonate	0.175 % w/w
Proprietary blend of alkyl aryl ethoxylates	0.590 % w/w
Polyethylene glycol	2.500 % w/w
Silica	2.000 % w/w
Ammonium sulfate	42.910 % w/w
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Total: 100.000 % w/w	
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