

CIR-181658/2021-Bifenthrin (SC) (428)-1267

Bifenthrin 8% SC for indigenous manufacture

(Insecticide)

Bifenthrin 8% SC is a broad spectrum insecticide having contact and stomach action against red spider mites and tea mosquito bugs in tea and mites in Apple. It contains 8% w/w active ingredient Bifenthrin with other relevant ingredients.

* Caution :- It is toxic to honey bees, spray application should be avoided during the foraging period of bees. Toxic to aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.

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>			
Tea	Red spider mite, Tea Mosquito bug	40, 40	500, 500	400, 400	11, 11	
Apple	Mites	60 gm (0.006% cons.)	7.5 ml/tree	10 liter/tree	21	

Direction of Use

Take a measured quantity of Bifenthrin 8% SC add to a small quantity of water, mix thoroughly and then add the remaining quantity of water while stirring vigorously. Spray in the direction of wind.

Time of Application

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Precaution

1. Avoid inhalations and contact with skin and eyes.
2. Keep away from children, food stuffs, animals feeds, heat and flame. Store in a dry and cool place under lock and key.
3. Do not mix the insecticide with bare hands.
4. Do not eat, drink, smoke or chew tobacco while spraying.
5. Spray the insecticides only in the direction of wind blowing and not against it so as to prevent the setting of the drifts on body.
6. The user should use full protective clothing with rubber gloves, boot. Face should be covered with face shield or dust mask and body should be covered with an overall or rubber apron and hood or hat.
7. Do not use as an ultra low volume spray.
8. It should not be used near water bodies.
9. The product is toxic to honey bees and avoid spraying during foraging time on crops.

Symptoms Of Poisoning

Effect from overexposure result from either swallowing, inhaling or coming into contact with the eyes or skin. Symptoms of overexposure include bleeding from the nose, tremors and convulsions. Contact with this product may occasionally produce skin sensations such as rashes, numbing, burning or unglng. These skin sensations are reversible and usually subside within 12 hour.

First Aid

1. If inhaled remove the patient into fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.
2. Rinse mouth with water. Dilute by giving 1 or 2 glass of water. Never give anything by mouth to an unconscious person. See a medical doctor immediately.
3. Remove contaminated clothes, wash contaminated skin and clothes with soap and plenty of water get medical attention if irritation occurs and persists.
4. If eyes are contaminated, wash for 15 minutes with clean water.

Phytotoxicity

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Antidote

Treat symptomatically and supportively.

Disposal Of Used Container

1. It shall be the duty of manufacturers, formulators of insecticides and operators to dispose packages or surplus materials and washing 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. The packages shall be broken and buried away from habitation.

Storage Conditions

- 1.The package containing 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 almirahs under lock and key depending upon the quantity and nature of the insecticides.
- 2.The rooms or premises means for storing insecticides shall be well built, dry, well-lit and ventilated and of sufficient dimension to prevent environmental contamination with vapour of insecticides.

Chemical Composition:

Bifenthrin a.i.	8.00 % w/w
Polyethylene glycol monobutyl ether	3.75 % w/w
Polypropylene glycol	6.00 % w/w
Thickener (Xanthan gum)	0.85 % w/w
Antifoaming agent (Dimethyl polysiloxane)	0.15 % w/w
Water	Q.S. %

Total: 100.000% w/w
