

CIR-181753/2021-Emamectin Benzoate (SG) (428)-2051

Emamectin Benzoate 5% SG

(Insecticide)

Emamectin benzoate 5% SG is a water soluble granular formulation containing 5% active ingredient and is recommended for the control of Bollworms on cotton, Fruit and shoot borer on okra, DBM on cabbage, Fruit borer, thrips, mites on chilli, fruit and shoot borer on brinjal, pod borer on red gram, chickpea Graps-Thrips and Tea - Tea looper. It is an insecticide with stomach action and should be ingested by the larvae to be most effective. Affected larvae become paralyzed and stop feeding shortly after exposure to Emamectin Benzoate 5% SG and subsequently die after 2-4 days.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water in water (Ltr)</u>	<u>Waiting Period between last spray to harvest (In days)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (g)</u>	<u>Formulation (g)</u>			
Grapes	Thrips	11	220	500-1000	5	
Redgram	Pod borer	11	220	500-750	14	
Cotton	Bollworms	9.5-11.0	190-220	500	10	
Chickpea	Pod borer	11	220	500	14	
Tea	Tea looper	10	200	500	1	
Cabbage	Diamond back moth	7.5-10	150-200	500	3	
Brinjal	Fruit & Shoot borer	10	200	500	3	
Okra	Fruit and shoot borer	6.75-8.5	135-170	500	5	
Chilli	Fruit borer, thrips, mites	10	200	500	3	

Direction of Use

apply the insecticides when the incidence of larvae is first observed and repeat applications as necessary. apply the insecticide in sufficient quantity of water to ensure through coverage of the foliage. Emamectin benzoate 5% SG is toxic to Aquaculture and Honey bees.

Precaution

Do not use cooking utensils for preparing the spray solution. Use stick for stirring the spray solution. Avoid contact with skin, eye and clothing. Avoid inhalation of fog and vapours. Wear hand gloves to avoid contact with the skin. Wear protective clothing, mask, goggles and boots while handling the product. Do not eat, drink or smoke while applying the product. Wash hands with soap and plenty of water and change clothes after the work is over. Avoid contamination of air and water bodies with the insecticides. Also wash the contaminated clothes.

Symptoms Of Poisoning

Early symptoms of poisoning may be a combination of dilation of pupils, muscular in coordination, ataxia and muscle tremors

First Aid

Remove the affected person to as well ventilated area or fresh air and protect him from under cooling. Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. Rinse eyes with clean water for several minutes. If ingested, give the patient one or two glasses of water, if able to swallow. Do not induce vomiting. Get the attention of the medical doctor immediately.

Note: Do not induce vomiting or never give anything by mouth to an unconscious person.

Phytotoxicity

Early symptoms may be a combination of dilation of pupils, muscular in coordination, ataxia and muscle tremors.

Antidote

No specific antidote. treat symptomatically.

Disposal Of Used Container

1. Packages or surplus materials and washing from the machines and containers should be disposed off in 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.

Storage Conditions

1. The package containing the insecticide should be stored in original containers in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of food or shall be kept in separate almirahs under lock and key.
2. The rooms or premises meant for storing the fungicide shall be well built, airy, well lit and ventilated and of sufficient dimension to avoid contamination with vapour.
3. The product is toxic to aqua culture & honeybee.

Chemical Composition:

Emamectin Benzoate a.i.	5.00 % w/w
Sodium N-methyl-N-oleoyl taurate	7.50 % w/w
Sodium alkyl naphthalene sulfonate	1.00 % w/w
Polydimethylsiloxane	0.10 % w/w
Lactose anhydrous	Q.S. % w/w
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Total:100.000 % w/w	
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