

CIR-181531/2021-Thiamethoxam + Lambda-Cyhalothrin (ZC) (428)-2746

Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC for indigenous manufacture

(Systemic and Contact Insecticide)

Thiamethoxam 12.6% + Lambda-cyhalothrin 9.5% ZC is a combination insecticide having quick stomach and contact activity and is recommended to control Aphids, jassids, Thrips & Bollworms in Cotton, Aphid, shootfly, steam borer in Maize, Leaf hopper, leaf eating caterpillars in Groundnut, Stem fly, semilooper, girdle beetle in Soyaben, Thrips & fruit borer in Chilli, Thrips, semilooper, tea mosquito bug in Tea, Thrips, whiteflies, fruit borer in Tomato crop.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (L)</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 (ml)</u>			
Cotton	Aphids, jassids, Thrips & Bollworms	44	200	500	26	
Tea	Thrips, semilooper, tea mosquito bug	33	150	500	1	
Tomato	Thrips, whiteflies, fruit borer	27.5	125	500	5	
Maize	Aphid, shootfly, steam borer	27.5	125	500	42	
Chilli	Thrips & fruit borer	33	150	500	3	
Groundnut	Leaf hopper, leaf eating caterpillars	27.5	125	500	28	
Soyaben	Stem fly, semilooper, girdle beetle	27.5	125	500	48	

Direction of Use

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

Time of Application

The product should not be applied during flowering of the crop. DO NOT use the product where bees are actively foraging. DO NOT allow spray drift to flowering weeds, hedges or flowering crops in the vicinity of the treatment area. DO NOT spray if a high amount of aphid honeydew is present

in the treatment area. DO NOT spray on flowering crops between 5 days before start of flowering and end of flowering. Not to be used on crops when honey bees are pollinators/foraging. This product is also toxic to fish

Precaution

Do not use cooking utensils for preparing sprays. Use stick for stirring the spray solution. Wear hand gloves to avoid contact with the skin. Also avoid inhalation and contact with eyes. Wear protective clothing, mask, goggles, boots, while spraying and do not expose yourself to spray drift. Do not blow nozzles with mouth. Do not eat, drink or smoke while handling or applying the product. Do not store unused spray solution. Clean sprayers, buckets and other utensils with water daily after use. Wash hands with soap and plenty of water and change clothes after the work is over. Also wash the contaminated clothes.

DO NOT allow spray to drift onto rivers, lakes, ponds, ditches or other waterways. DO NOT allow discharging left over spray material or empty containers to contaminate waterways.

Symptoms Of Poisoning

Poisoning symptoms in rodents are non-specific, may cause symptoms of ataxia, salivation, lachrymation and decreased breathing etc.

First Aid

Remove the affected person from the danger zone to a well-ventilated room or to fresh air and protect from under cooling. IN CASE OF SUSPECTED POISONING: Immediately call a physician. IN CASE OF SKIN CONTACT: remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. IN CASE OF EYE CONTACT: Rinse eyes with clean water for several minutes and immediately call a physician. IN CASE OF INGESTION: Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting.

Phytotoxicity

As in comman.

Antidote

No specific antidote is known. Apply symptomatic therapy.

Disposal Of Used Container

1. Packages or surplus materials and washings from the machines and containers should be disposed off in a safe manner as to prevent environmental pollution.
2. The used packages shall not be left outside to prevent their reuse.
3. Packages shall be broken and buried away from habitation.

Storage Conditions

- 1.The packages containing the insecticides 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 insecticide shall be well built, dry, well lit and ventilated and of sufficient dimensions to avoid contamination with vapour.

Chemical Composition:

Lambda-cyhalothrin (a.i.)	9.5 % w/w
Thiamethoxam (a.i.)	12.6 % w/w
Octadecanoic acid, 12-hydroxy-, homopolymer, octadecanoate (Polymer)	0.8 % w/w
Styrylphenol polyethoxyester phosphate	1.17 % w/w
Sodium lignosulfonate ethoxylated	1.17 % w/w
Ammonia	0.25 % w/w
Sulfuric acid	0.54 % w/w
Lignosulfonate sodium salts	1.04 % w/w
Polydimethylsiloxane	0.10 % w/w
Copolymer butanol	0.50 % w/w
Dodicylbenzenesulfonic acid, sodium salt	0.17 % w/w
DL-propanediol-(1,2)	0.20 % w/w
Propane- 1,2,3-triol	5.84 % w/w
Heteropolysaccharide	0.20 % w/w
1,2-benzisothiazolin-3-one	0.28 % w/w
Titanium dioxide	0.99 % w/w
Isocynic acid, methyl-m-phenylene ester	1.58 % w/w
Mixture of aromatic hydrocarbons (Solvent C9)	7.76 % w/w
Water	QS % w/w

Total: 100.000 % w/w
