

CIR-181825/2021-Thiamethoxam (WG) (428)-2758

Thiamethoxam 25% WG

(Insecticide)

Thiamethoxam 25 % WG is broad spectrum systemic insecticide having quick stomach and contact action and is recommended for its use to control Stem Borer, Gall Midge, Leaf Folder, Brown Plant Hopper (BHP), while Backed Plant Hopper (WBPH) Green Leaf Hopper (GLH) , Thrips, in rice; jassids, aphids and whiteflies in cotton; hoppers in mango; aphids in Wheat; aphids in Mustard; Whiteflies in Tomato; Whiteflies, Jassids in Brinjal; mosquito bug in Tea, aphids in Potato, Psylla in citrus, aphid in Cumin, soil drench in Rice, Aphid in Cumin and GLH thrips , short maggot in Rice (Nursary) . It contains 250g Thiamethoxam as an active ingredient in a kg of the product (w/w).

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (Ltr)</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>			
Mango	Hoppers	25	100	1000	30	
Potato	Aphids, (Myzus persicae)	25 (foliar spray) 50 (Soil drench)	100 (foliar spray) 200 (Soil drench)	500	77	
Cotton	Jassids, Aphids	25	100	500-750	21	
	White flies	50	200	500-750	21	
Wheat	Aphids	12.5	50	500	21	
Tea	Mosquito bug (Helopeltis theivora)	25	100	400-500	7	
Cumin	Mahu	25	100	500	15	
Tomato	Whiteflies	50	200	500	5	
Tomato (soil drenching)	White flies	100	400	500	5	
Rice	Stem borer, Gall Midge, Leaf Folder, Brown Plant Hopper (BPH), White backed Plant Hopper	25	100	500-750	14	

	(WBPH), Green leafhopper, Thrips					
Rice (Nursery)	Whort maggot	500	2000	250ml/gm	86	
Citrus	Psylla (Diaphornia citri)	25	100	1000	20	
Brinjal	Whiteflies, Jassids	50	200	500	3	
Okra	Jassid, Aphid, Thrips White flies	25	100	500-1000	5	
Mustard	Aphid	12.5-25.0	50-100	500-1000	21	

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 with thorough agitation for total coverage of crop with suitable sprayer. P.P. Equipment:- Knapsack sprayer, foot sprayer, compression knapsack sprayer, Compression knapsack battery sprayer, Battery operated kpower sprayer and ASPEE-HTP power sprayer..

Time of Application

1. Mango: Hoppers (Apply first spray during initial pest appearance and repeat one or two sprays at 15 days interval depending on the level of pest intensity)
2. Potato: Foliar-application- Apply first spray during initial pest appearance and repeat 2-3 sprays at 10-15 days interval depending on the level of pest intensity.
Soil drench- Apply root zone before appearance of pest as soil drench, once during the crop season.
3. Cotton: Apply first spray at 25-30 DAS or at the time of first pest appearance and repeat 2-3 sprays at 15 days interval depending on the pest intensity.
4. Wheat: Apply first spray during initial pest appearance and repeat one or two sprays at 15 days interval depending on the level of pest intensity.
5. Tea: Apply first spray during initial pest appearance and repeat 2-3 sprays at 15-21 days interval depending on the level of pest intensity.
6. Tomato: Apply first spray during initial pest appearance and repeat 2-3 sprays at 10-15 days interval depending on the level of pest intensity.
Soil drench: Apply root zone before appearance of pest as soil drench, once during the crop season.
6. Rice: One spray at 25-30 DAT in the early stage of crop for control of early rice pests such as Stem Borer, Gall Midge and the other spray at the booting leaf stage (@ 50 to 55 DAT) for the control of late rice pests such as GLH,BPH,WBPH etc.
7. Brinjal: Apply first spray during initial pest appearance and repeat 2-3 sprays at 10-15 days interval depending on the level of pest intensity.
8. Okra: Apply first spray during initial pest appearance and repeat one or two sprays at 15 days interval depending on the pest intensity.
9. Mustard: Apply first spray during initial pest appearance and repeat one or two sprays at 15 days interval depending on the level of pest intensity.

10. Citrus: Apply first spray during initial pest appearance and repeat 2-3 sprays at 15-21 days interval depending on the level of pest intensity.

Precaution

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

Decrease spontaneous movement, tonic convulsion, ptosis 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.

Antidote

No specific antidote is known. Treat symptomatically.

Disposal Of Used Container

1. Packages or surplus materials and washing form machines and containers should be disposed off in a safe manner as to prevent environment and water 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 package containing the insecticide should be stored in original containers in separate rooms or premises away from 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 built, dry, well lit and ventilated and of sufficient dimension to avoid contamination with vapour.

Chemical Composition:

Thiamethoxam a.i.	25.00 % w/w
Dispersing Agent -sodium Lignosulphate	5.00 % w/w
Wetting Agent Sodium Lauryl Sulphate	3.75 % w/w
Plasticiser- Butylated polyvinyl pyrrolidone	1.25 % w/w
Carrier Diatomaceous earth	5.00 % w/w
Binder corn starch	QS % w/w

Total: 100.000 % w/w
