

CIR-181837/2021-Diafenthiuron (WP) (428)-927

Diafenthiuron 50% WP

(Systemic and Contact Insecticide)

Diafenthiuron 50% WP is a Broad Spectrum Insecticide. It is recommended for its use to control Whiteflies, Aphids, Thrips, Jassids in Cotton and Diamond Back Moth (DBM) in Cabbage, mites in chilli, white fly in brinjal and thrips capsule borer in cardamom crops, mites in citrus, Whitefly, Red spider mite in Watermelon and Tomato and Whitefly, Red spider mite & Jassid in Okra.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (lt.)</u>	<u>Waiting Period between last spray to harvest from last spray to harvest.</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (g).</u>	<u>Formulation (g)</u>			
Cardamom	Thrips, Capsule borer	400	800	1000	7 days	
Cotton	White flies, Aphids, Thrips, Jassids	300	600	500-1000	21 days.	
Tomaro	Whitefly, Red spider mite	300	600	500	5	-
Watermelon	Whitefly, Red spider mite	300	600	500	5	-
Cabbage	Diamond Back Moth (Plutella xylostella)	300	600	500-750	7 days	
Brinjal	Whitefly	300	600	500-750	3 days	
Okra	Whitefly, Red spider mite, Jassid	300	600	500	5	-
Chilli	Mites	300	600	500-750	3 days	
Citrus	Mites	1.0g/l	2.0g/l	2-3liter/hec.	30 days	

Direction of Use

Measure our 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 crops with suitable sprayer.

Time of Application

Cotton: Apply first spray during initial appearance of pests and repeat one or two sprays at 15 days interval depending on pest intensity. Cabbage: First spray at 30 DAT or at the time of first pest appearance and repeat 2-3 sprays at 10-15 days interval depending on pest intensity.

Chilli: First spray at 30 DAT or at the time of first pest appearance and repeat two or four sprays at 14-21 days interval depending on pest intensity.

Brinjal: First spray at the time of pest appearance and repeat two sprays at 14-21 days interval depending on pest intensity.

Cardamom: First spray at the time of pest appearance and repeat two sprays at 21-30 days interval depending on pest intensity. Citrus : First spray at the time of pest appearance and repeat spray 14-21 days interval depending on pest infection.

Precaution

1. Do not use cooking utensils for preparing sprays.
2. Use stick for stirring the spray solution.
3. Wear hand gloves to avoid contact with the skin.
4. Also avoid inhalation and contact with eyes.
5. Wear protective clothing, mask, goggles, boots while spraying and do not expose yourself to spray drift.
6. Do not blow nozzles with mouth.
7. Do not eat, drink or smoke while handling or applying the product.
8. Do not store unused spray solution.
9. Clean sprayers, buckets and other utensils with water daily after use.
10. Wash hands with soap and plenty of water and change clothes after the work is over. Also wash the contaminated clothes.
11. Do not contaminate streams, ponds, waterways etc. by discharging leftover spray materials into them or by cleaning sprayers, contaminated buckets etc. in them.
12. Do not spray when bees are active.
13. In case of any sign of poisoning, immediately consult the doctor.

Symptoms Of Poisoning

Poisoning may cause symptoms of subdued behaviour, prostration, lethargy, piloerection, headache, giddiness, vertigo, nausea, vomiting, blurred vision, sweating, excessive lacrimation & salivation.

First Aid

1. Remove the affected person from the danger zone to well ventilated room or to fresh air and protect from under cooling.
2. IN CASE OF SUSPECTED POISONING: Immediately call a physician.
3. IN CASE OF SKIN CONTACT: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and plenty of water.
4. IN CASE OF EYE CONTACT: Rinse eyes with clean water for several minutes.

5. 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

The product is non phytotoxic when used as per field recommendation.

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 to prevent environment pollution. 2. The used packages shall be left outside to prevent their reuse. 3. Packages shall be broken and buried away from inhabitation.

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:

Diafenthiuron a.i.	50.00 % w/w
Wetting Agent-Ethoxylated fatty alcohol	12.00 % w/w
Dispersing Agent-Condensed alkylnaphthalene sulphonate, sodim salt	15.00 % w/w
Carrier-Precipitated Silica	Q.S. %
<hr/>	
Total:100.00 % w/w	
