

CIR-181762/2021-DIAFENTHIURON (SC) (428)-925

DIAFENTHIURON 47.8% w/w SC**(Broad Spectrum Systemic Insecticide)**

Diafenthiuron 47.8% w/w SC, a broad spectrum non-systemic insecticide having contact and stomach activity is recommended for its use to control Aphids, Jassids, Thrips & Whiteflies in Cotton crop. Diafenthiuron belongs to group 12A of insecticide mode of action.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water in water (liter)	Waiting Period between last spray to harvest days	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (ml)			
Cotton	Aphids, Jassids Thrips & Whiteflies	239	500	500	30	-

Direction of Use

Shake the container before 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. Apply the insecticide when the incidence of sucking pests is first observed and repeat applications as necessary. Apply the insecticide with knapsack sprayer or any other relevant sprayer in sufficient quantity of water to ensure thorough coverage of the foliage.

Insect Resistance Management (IRM)

In order to avoid resistance development it is strongly recommended to use Diafenthiuron 47.8% w/w SC in rotation with other recommended products with a different mode of action, in line with insecticide Resistance Management principles. Use as per label and avoid using less than labeled dose.

Time of Application

Apply first spray as soon as pest infestation reaches Economic Threshold Level (ETL) and subsequently give 1-2 sprays at the interval of 10-15 days depending upon pest infestation.

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, goggles and boots etc. 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 contaminate streams, ponds waterways etc by discharging leftover spray materials or by cleaning sprayers, contaminated buckets etc. into them. Spilt product must not be re-used. In case of any sign of poisoning, immediately consult the doctor.

The product is toxic to fish, crustaceans and other aquatic organisms. The product should not be used in area where pisciculture is practiced. Avoid direct contamination of surface water and contamination caused by spray drift. Do not contaminate soil, stagnant or running water by disposal of waste.

Toxic to honey bees. Do not spray during active bee-foraging period of the day. As product may be toxic to honey bees.

Symptoms Of Poisoning

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

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. IN CASE 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

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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 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.
3. Keep away from direct sunlight.
4. Store away from children unauthorized persons and animals.

Chemical Composition:

Diafenthiuron a.i	47.8 % w/w
Tristyrylphenol polyethylene glycol phosphoric acid, ester (Wetting & Dispersing Agent)	1.9 % w/w

1,2-propylene glycol (Antifreeze)	4.8 % w/w
Polydimethylsiloxane (Antifoaming Agent)	0.48 % w/w
Polysaccharide derivative (Thickener)	0.09 % w/w
Formaldehyde (35% aqueous solution) (Preservative)	0.09 % w/w
Water (Solvent)	Q.S. %
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Total:100.000% w/w	
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