

CIR-191800/2021-Deltamethrin (ULV) (429)-1186

Deltamethrin 1.25 % ULV
(Public Health Insecticide)

[TO BE USED BY PCO, MUNICIPALITIES, GOVT./SEMI GOVT, INSTITUTIONS/ AGENCIES, ARMY ETC FOR LARGE SCALE PURPOSE]

[Read entire leaflet before use and follow the instructions carefully.]

It is a special formulation containing 1.25 %w/w or 1.0 % w/w Deltamethrin. It insecticide is recommended for outdoor and indoor application for control of adult mosquitoes for public health.

* Caution :- It is toxic to honey bees, spray application should be avoided during the foraging period of bees.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Ltr.)	Waiting Period between last spray to harvest (in days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (ml)			
Outdoor Application						
Indoor Application						
Adult Mosquitoes	Thermal Fogging	0.5	50	10		
	Ultra Low volume application	0.5	50	0.5		
Adult Mosquitoes	ULV	2	200	0.25		

Direction of Use

In case of indoor treatment 200ml of Deltamethrin 1.25 % ULV formulation to be mixed with 0.25 liter of the solution per 1000 m area to be treated by using TIFAMachines.

Method of Application and equipment to be used :-

OUTDOOR

1. Thermal Fogging - Outdoor application of thermal fogging is made with the hand carried swing fog. The dilution for this is to be done by adding 50ml of deltamethrin 1.25% ULV in 10 litres of diesel oil and apply 10 litres of the solution per hectare area. Treatment is to be done during late evening or in early morning.

2. Ultra Low Volume spray - Exterior space treatment in the form of ULV is carried out with portable back - back equipments or rotary atomizer. ULV application gives high mortality of flying insects when it is carried out during dusk or dawn. Dilute 50 ml of Deltamethrin 1.25% ULV in 0.5 litres of diesel oil and apply 0.5 litres of the solution per hectare area to be treated.

INDOOR

In case of indoor treatment, 200 ml of Deltamethrin 1.25% ULV formulation to be mixed with 0.25 litres of diesel oil and to apply 0.25 litre of the solution per 1000 cubic metre area to be treated by using TIFA machines.

Time of Application

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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 spraying.

Symptoms Of Poisoning

Nervousness, anxiety, tremor, convulsions, allergies, sneezing, running nose , skin irritation may occur.

First Aid

1. If swallowed, donot induce vomiting or give liquid orally.
2. If clothing and skin are contaminated, remove the clothes 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.

Phytotoxicity

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Antidote

No specific antidote is known, Treat symptomatically. Antihistamines may be given to control allergies.

Disposal Of Used Container

- 1.It shall be the duty of manufactures formulators and operator to dispose packages or surplus materials and washings from the machine and container shall be disposed off in a 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 burried away from habitation.

Storage Conditions

1. The packages containing the insecticide shall be stored in separate d rooms or premsies, away from the room or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of insecticides.

2. The rooms or premises meant for storing the insecticides shall be well lit, dry, well ventilated of sufficient dimension to avoid contamination with vapour.

Chemical Composition:

Deltamethrin a.i	1.25 % w/w
Butylated Hydroxy Toluene (BHT)	0.10 % w/w
Solvent (C XI)	51.45 % w/w
CSP 15 oil	47.20 % w/w
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Total: 100.000 % w/w	
