

CIR-191802/2021-DELTAMETHRIN (EW) (429)-271

**DELTAMETHRIN 2% w/w EW**

**( Insecticide )**

It is a space spray concentrate containing Deltamethrin 2% w/w EW. It is water based formulation used for the control for adult mosquitoes for public health.

Recommendation for use: It is recommended for outdoor & indoor application for control of adult mosquitoes causing malaria, dengue etc public health.

Caution: Not to be used other than specified on this Label/Leaflet. Toxic to Fish & Honey bees.

\* 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 in water (liter)	Waiting Period between last spray to harvest (Days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (ml)			
Adult mosquitoes Culex sp. And Anophel es sp.	Thermal fogging, Ultra Low Volume(ULV) application	0.5, 1.0	25, 50	5-10, 1	-	-

**Direction of Use**

Method of application & Equipment:

1. Thermal fogging:

For thermal fogging the product can be applied through hand carried thermal foggers, pulse jet or friction plate. In case of indoor treatments.

remove all pets, aquarium and foodstuffs from the room and cover all surfaces used for food preparation. Turn off the electricity and extinguish all naked flames. Dilute of 25 ml of Deltamethrin 2% w/w EW in 5-10 lit of water and apply this solution to cover one hectare area.

Treatment is to be done when mosquitoes are active.

2. Ultra Low Volume application:

Exterior Space treatment in the form of ULV can be carried out with knapsack cold fogger or any ULV machine capable of producing droplets with volume median diameter (VMD) in the range of 15-25 microns. Dilute 50ml or Deltamethrin 2% w/w EW in 1 lit of water and apply this solution to cover one hectare area.

Fogging should not be conducted when it is raining or when the wind speed exceeds 15 km/h.

Depending on the mosquito infestation fogging treatment can be done once a week during peak season or once in 3 months during low pest activity.

### **Time of Application**

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### **Precaution**

1. Keep away from foodstuffs, empty foodstuff containers and animals feed.
2. In case of indoor application, exclude persons and animals during treatment, and ventilate treated areas thoroughly after treatment.
3. Wear full protective clothes (e.g face mask, goggles, cap, Nitrile gloves etc.) While mixing and spraying.
4. Avoid contact with mouth, eyes and skin.
5. Avoid inhalation the spray mist. Spray/fog in the direction of wind
6. Do not smoke, drink eat and chew anything while application.
7. Wash thoroughly the contaminated clothes and parts of body after application.

### **Symptoms Of Poisoning**

Nasal discharge, Itching ,Vomiting, eyes redness, anxiety and convulsions.

### **First Aid**

1. In insecticide is inhaled, get victim into fresh air immediately. If breathing has stopped, apply artificial respiration
2. If swallowed, do not induce vomiting, wash mouth with water.
3. In case of skin contact wash off thoroughly with plenty of water and soap. If symptoms persists, call a physician immediately.
4. In case of eye contact rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

### **Phytotoxicity**

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### **Antidote**

Specific antidote is not known. Treat symptomatically.

### **Disposal Of Used Container**

1. Empty containers shall be broken and buried away from habitation or incinerated.
2. The used container or packages shall not be left outside to prevent their re-use.
3. Packages or surplus materials and washing should be disposed off in a safe manner so as to prevent environmental or water pollution.

### **Storage Conditions**

1. The packages containing the insecticide shall be stored in separate rooms or premises away from the room or premises for storing other articles.
2. The room or premises meant for storing the insecticide shall be well built, dry, well-lit, ventilated and of sufficient dimensions to avoid contamination with water vapours.

**Chemical Composition:**

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Deltamethrin(Active ingredient)	2.00 % w/w
Solvent naptha (Petroleum, heavy arom) (Solvent)	25.00 % w/w
1-hexadecanol (Antifoaming agent)	2.00 % w/w
Poly(oxy-1,2-ethanediyl), alpha-octadecylalpha-Hydroxy 10 OE (Emulsifying agent)	1.00 % w/w
Poly(oxy-1,2-ethanediyl), alpha-octadecylalpha-Hydroxy 20 OE (Emulsifying agent)	1.00 % w/w
Citric acid (Buffer)	0.10 % w/w
Mixture of 30 % dimethyl polysiloxane	0.10 % w/w
Mixture of 20% Benzisothiazolinone in dipropylene Glycol and water (Preservative agent)	0.10 % w/w
Mixture of polyorganosiloxane, amorphous silica And nonionic surfactant (Antifoaming agent)	0.04 % w/w
Demineralized water (solvent)	Q.S. %
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<b>Total:</b>	<b>100.000 % w/w</b>
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