

CIR-191797/2021-Deltamethrin (EC) (429)-270

### **Deltamethrin 2.8% EC**

**( Insecticide )**

It is a broad spectrum contact insecticide containing 2.8 g. active ingredient, Deltamethrin per kg. of solution (Specific gravity of deltamethrin is 0.89 which is used for calculating the formulation doses)

\* 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 (Litr)	Waiting Period between last spray to harvest (in days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (ml)			
Red gram	Pod borer (Heliothis), Pod fly (Melanogromyza)	12.5	500	500	10	
Mango	Hoppers	0.033-0.05	As per spray fluid requirement	0.33 to 0.5 ml/litre	1	
Cotton	Bollworm	12.5	400-600	500	---	
	Sucking insects	10.00	400-600	400	---	
Tea	Thrips	3-4	400-600	120-150	3	
	Leaf roller	10	400-600	400	3	
	Looper	2.50 to 3.75	400-600	100-150	3	
Brinjal	Shoot & fruit borer	10-12.5	400-500	500	3	
Okra	Shoot & Fruit borer	10-15	400-600	400-600	1	
	Jassids	10	400-600	400	1	
Chilli	Fruit borer (Heliothis & Spodoptera)	10-12.5	400-500	400-600	5	
Groundnut	Leaf minor	12.5	500	400-600	3	

#### **Direction of Use**

P.P. Equipment:-Deltamethrin 2.8% EC can be applied by conventional manually operated knapsack sprayer or with power operated sprayers fitted with high or low volume nozzles.

#### **Time of Application**

### **Precaution**

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

Nervousness, anxiety, salivation, tremors, convulsion, vomiting, skin irritation, allergies may occur.

### **First Aid**

1. If swallowed, do not induce vomiting or give anything 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 10-15 minutes.
4. If inhaled, remove the patient to fresh air.

### **Phytotoxicity**

The product is not phytotoxic when used as per field recommendation.

### **Antidote**

No specific antidote is known. Treat symptomatically. Antihistamines may be given to control the allergic manifestations.

### **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 package containing the insecticide shall be stored in original containers in separate rooms or premises away from the rooms / premises used for storing other articles or shall be kept separately under lock and key 2. The rooms or premises meant for storing the insecticides, shall be well-lit, dry cool, well ventilated, well-built, dry ventilated and of sufficient dimension.

### **Chemical Composition:**

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Deltamethrin a.i.		2.80 % w/w
Emulsifier	Mixture of triglycerides and calcium salt of alkyl benzyl sulfonate	8.00 % w/w
Stabilizer	Butylated hydroxytoluene	1.00 % w/w
Solvent	Naphtha	QS % w/w
		<b>Total 100.000% w/w</b>

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