

CIR-191794/2021-Deltamethrin (WP) (429)-1183

### Deltamethrin 2.5% W.P

#### ( Insecticide )

Deltamethrin 2.5% WP is a synthetic pyrethroid insecticide, with long lasting, residual effectiveness against weevils, moths, beetles and other insect pests of stored grains/ seeds.

\* 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 (lit)	Waiting Period between last spray to harvest	Re-entry after each Application (In Hours)
		AI	Formulation			
(Grains and seeds in stacks)	Lesser grain borer, Rice Moth, saw toothed grain beetle, Red Flour Beetle, Khapra Beetle, Almond Moth	30 mg/sq.m	1.2 gm/sq.m	1 ltr for 30 sq.m		
(Grains and seeds in stacks)	Rice weevil	30 mg/sq.m	1.2 gm/sq.m	1 ltr for 30 sq.m		
Walls, ceilings & floors of godowns	as above -	30 mg/sq.m	1.2 gm/sq.m	1 ltr for 30 sq.m		
Mosquito	For Public Health purpose only	625-1250 mg / 50 sq.m	25-50 g / 50 sq.m	1.5-2.5 Ltr. / 50 sq.m		

#### Direction of Use

Single application of Deltamethrin 2.5% WP at recommended dosage protects the grains/seeds for a period of 6-12 months depending on the surfaces treated.

PP Equipment : Knapsack sprayer / Compression knapsack sprayer / Stirrup pump

#### 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 mixing and spraying.

### **Symptoms Of Poisoning**

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

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### **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 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 the allergic manifestations.

### **Disposal Of Used Container**

1. It shall be the duty of manufacturers/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 buried away from habitation.

### **Storage Conditions**

The package containing insecticide should be stored in original containers in a separate room or almirah under lock and key depending upon quantity of material away from reach of children, domestic animal food-stuffs, animal feed and other articles in cool & dry place. The premises for storage should be well built, well lit, well ventilated and sufficient in dimension.

### **Chemical Composition:**

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Deltamethrin a.i.		2.50 % w/w
Wetting agent	Naphthalene sulfonate	5.00 % w/w
Dispersing agent	Alliphatic (Oleyl or Cetyl or lauryl sulphonate)	9.00 % w/w
Stabilizer	Butylated hydroxy toluene	0.10 % w/w
Filler	Kaolin	Q.S % w/w

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**Total: 100.000 % w/w**

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