

CIR-181858/2021-Fipronil (SC) (428)-3769

Fipronil 5% SC

(Systemic and Contact Insecticide)

Fipronil 5% SC is an insecticide which is used to control insects like stem borer, brown plant hopper, green leaf hopper, rice leaf folder, rice gall midge, white backed plant hopper, whorl maggot in rice. DBM in cabbage, thrips, aphids & fruit borer in chills, early shoot borer & root borer in sugarcane and Aphids, Jassids, Thrips, White fly and Boll worm in Cotton.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (liter)</u>	<u>Waiting Period between last spray to harvest (days)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (gm)</u>	<u>Formulation (ml)</u>			
Cotton	Aphids, Jassids, Thrips, White fly	75-100	1500-2000	500	6	
	Boll Worm	100	2000	500	6	
Sugarcane	Root borer, Early shoot borer	75-100	1500-2000	500	9 months	
Rice	Stem borer, Brown plant hopper, Green leaf hopper, leaf folder, Rice gall midge, Whorl maggot, White backed plant hopper	50-75	1000-1500	500	32	
Cabbage	Diamond back moth	40-50	800-1000	500	7	
Chilli	Thrips, Aphid, Fruit borer	40-50	800-1000	500	7	

Direction of Use

Plant Protection Equipments :- high volume nozzle fitted to sprayers like knap-sack, Air pressure Foot Pump, Hard rocker or power operated spraying machine may be used.

Time of Application

Rice : The Fipronil application must be given between 25 to 30 days after transplanting.

Cabbage : The first spray is to be given at 30 to 35 days after transplanting or when pest incidence is noticed, which-ever is earlier. Repeat 2 to 3 sprays at 7 to 10 days interval.

Chilli:- First spray is to be given at 40 to 50 days after transplanting or when pest incidence is noticed, which ever is earlier. repeat 2 to 3 spray at 1 to 10 days interval.

Surgargane:- For earlier shootborer foliar application at 35 days after planting (DAP) and for root borer dranching of soil at planting.

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.

Warning :- Fipronil is toxic to aquatic animals & honey bee hence avoid the use near aquatic environment & during to rassing period of honey bee

Symptoms Of Poisoning

Irritability, lethargy, muscle tremors, convulsions may occur.

First Aid

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.
2. If clothing and skin are contaminated, remove the cloths 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

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

Antidote

No specific antidote is known. Treat. Symptoamtically.

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 insecticides shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly food articles or shall be kept in

separate almirahs under lock and key depending upon the nature of the insecticide. 2. The rooms or premises meant for storing the insecticides shall be well lit, well built, dry, cool, ventilated and of sufficient dimensions to avoid contamination with vapour.

Chemical Composition:

Fipronil, A.I. (Minimum purity 90%)		5.00 % w/w
Sunflower oil		5.00 % w/w
Weting agent	Napthalene sulfonate	3.00 % w/w
Suspending agent	Sodium Ligno sulphonate	8.00 % w/w
Sticking/Stabilizing agent	Carboxy Methyl Cellulose	4.00 % w/w
Dispersing agent	(Sodium salt of Dinaphthyl methanol sulphonic acid)	3.00 % w/w
Blend of emulsifiers	(Proprietary blend of alkyl phenol ethoxylate), triglyceride ethoxylate, calcium alkyl benzyl sulphonate)	8.00 % w/w
Water		Q.S %
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		Total:100.00 % w/w
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