

CIR-191772/2021-Imidacloprid (FS) (429)-3926

### **Imidacloprid 48% FS**

( Systemic and Contact Insecticide )

It is a systemic insecticide containing imidacloprid active ingredient, balance auxillaries and inert material. It is a low toxicity, systematically acting insecticide with a broad spectrum of activity for controlling sucking insects usch as Aphids, Jassid, Whitefly, Thrips in cotton, okra, sunflower, Soyabean and Shoot fly in Maize; Aphid, Jassid in Potato and Aphids, termite in Wheat . When handled properly according to good agricultural practices it is suitable for use in Integrated Pest Management.

#### **Recommendation**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water	Waiting Period between last spray to harvest	Re-entry after each Application (In Hours)
		AI kg	Formulation kg			
Potato	Aphids. Jassids	0.0105	0.0175	-	-	-
Cotton	Aphids, Whitefly, Jassids, Thrips	0.30-0.54	0.50-0.90	0		
Wheat	Aphids, Termite	0.21	0.35	-	-	-
Rice	Thrips	0.15	0.25	-	-	
Okra	Jassid, Aphid	0.30-0.54	0.50-0.90	0		
Maize	Shoot fly	0.6	1.0	-	-	-
Sunflower	Jassid, Whitefly	0.30-0.54	0.50-0.90	0		
Soyabean	Jassids	0.075	0.125	-	-	

#### **Direction of Use**

Any small quantity of seed be readily treated on the farm by mixing the proper amount of this insecticides and seed in a closed mixing frum or a concrete mixer. Roll the seed until each grain is uniformly coated with the Insecticide. Seed treatment on commercial basis can be carried out by specialised seed fressing companies for the optimisation of insecticide spectrum of Imidaclopride 48.0% FS.I

#### **Time of Application**

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### **Precaution**

Poisonous. Handle with care. Do not touch or inhale the contents. While handling the contents use rubber gloves and face mask. Toxic to aquatic invertebrates thus may be avoided near aquaculture.

### **Symptoms Of Poisoning**

Apathy, Myatonia, Tremor, difficult breathing & myospasms.

### **First Aid**

If the product gets into the eyes, rinse it out immediately with plenty of water. In case of poisoning measure blood pressure and pulse rate frequently. Since bradycardia and drop in blood pressure may occur, artificial breathing and heart action are recommended. Eliminate the active ingredient through gastric lavage and saline laxatives.

### **Antidote**

There is no known specific antidote. Follow attached directions. Treat symptomatically.

### **Disposal Of Used Container**

1. The packages shall be broken and buried away from habitation.
2. The used packages shall not be left outside to prevent their re-use.
3. Packages or surplus material and washings should be disposed off in safe manner so as to prevent environment or water pollution.

### **Storage Conditions**

1. The packages containing the insecticide shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles or shall be kept in separate almirahs under lock and key depend upon the quantity and nature of the insecticides.
2. The rooms or premises meant for storing the insecticides shall be well built, well lit, dry, well ventilated and of sufficient dimension to avoid contamination with water vapour.

### **Chemical Composition:**

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Imidacloprid	(a.i.)	48.00 % m/m
Hydroxy naphthalene carboxamide (Azocolorant)		4.00 % m/m
Ethoxylated derivative of styrylated phenols		1.50 % m/m
Ethoxylated polymethacrylate in propylene glycol and water		4.50 % m/m
trihydroxy propane		10.00 % m/m
Xanthane gum		2.50 % m/m
Phenyl methoxy methanol		0.10 % m/m

Blend of methyl isothiazolone and its chloro derivative	0.10 % m/m
Water solution of polydimethyl siloxane	0.10 % m/m
Water,demineralised	Q.S % m/m
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	<b>Total: 100.000% w/w</b>
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