

CIR-181652/2021-Quinalphos (granules) (428)-533

### **Quinalphos-5% granules**

( Insecticide )

It is an organophosphorus insecticide containing 5% Quinalphos active ingredient by mass and balance adjuvants.

\*Caution : Toxic to aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture. It is toxic to honeybees, spray application should be avoided during foraging period of bees. Product is highly toxic to birds hence avoid use near bird habitat.

#### **Recommendation**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water liter	Waiting Period between last spray to harvest day	Re-entry after each Application (In Hours)
		AI gm.	Formulation kg			
Paddy	Stemborer, Gall midge	1000	20	-	-	

#### **Direction of Use**

P.P. Equipments:- Hand operated granules applicator, or leaf whorl applicator, by mechanical disperser or by hand wearing rubber gloves.

#### **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 while using.
4. Wash thoroughly the contaminated clothes and parts of the body after broadcasting.
5. Do not smoke, drink, eat and chew anything while broadcasting.
6. Wear full protective clothing while broadcasting.
7. It should not be used in the areas where pisciculture/aquaculture is practiced along with rice cultivation.

#### **Symptoms Of Poisoning**

Headache, giddiness, vertigo, nausea, vomiting, blurred vision, sweating, excessive lacrimation, diarrhoea salivation & convulsion 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 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**

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

### **Antidote**

1. Atropinize the patient immediately and maintain full atropinization by repeated doses of 2 to 4 mg. of atropine sulphate intravenously at 5 to 10 minutes interval. As much as 25 to 50 mg. of atropine may be required in a day. The need for further atropine administration is guided by the continuance of symptoms. Extent of salivation is a useful criterion for dose adjustment. 2. Dissolve 1-2 gm of 2 PAM in 10 ml distilled water and inject intravenously very slowly for 10-15 minutes.

### **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 buried away from habitation.

### **Storage Conditions**

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

### **Chemical Composition:**

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Quinalphos Tech.	(based on 70% w/w a.i.)	7.14 % w/w
Calcium Silicate		5.00 % w/w
Blank granules	(Bentonite)	87.86 % w/w
		<b>Total: 100.000% w/w</b>

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