

CIR-181528/2021-Quinalphos (EC) (428)-532

Quinalphos 25% EC

(Insecticide)

A Contact and stomach poisonous emulsifiable concentration based on Quinalphos technical. and used against the pests of Red Gram, Paddy, Tea, Ground nut, Mustard, Citrus, Cauliflower, Soybean crops.

*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 Ltr	Waiting Period between last spray to harvest days	Re-entry after each Application (In Hours)
		AI gm	Formulation ml			
Red gram	Pod borer	350	1400	500-1000	30	
	pod fly	350	1400	500-1000	30	
Cardamom	Thrips	0.03%	600-1200	500-1000	30	
Bengal gram	Pod Borer	250	1000	500-1000	50	
Tea	Thrips	190	760	500-1000	7	
Paddy	Brown plant hopper	375	1500	500-1000	40	
	Hispa/Blue Beetle	500	2000	500-1000	40	
	Leaf roller	250	1000	500-1000	40	
	Stem borer	325	1300	500-1000	40	
Cauliflower	stem borer	500	2000	500-1000	3	
Chillies	Aphid	250	1000	500-1000		
	Mite	375	1500	500-1000		
Ground Nut	Leaf hopper, Thrips	350	1400	500-1000	50	
	Leaf miner	250	1000	500-1000	50	

Citrus	Scale	0.07%	4200-5600	500-1000	10	
	Citrus butterfly	0.025%	1500-2000	500-1000	10	
Mustard	Mustard saw fly	300	1200	500-1000	50	
soybean	Leaf weevil	250	1000	500-1000	40	

Direction of Use

Plant Protection Equipment:-Knapsack sprayer, foot sprayer, Compression knapsack sprayer, Compression knapsack battery and ASPEHTP power sprayer.

Time of Application

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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.
7. It should not be used in the areas where pisciculture/aquaculture is practiced along with rice cultivation.

Symptoms Of Poisoning

Headache, giddiness, nausea, vomiting, sweating, excessive lacrimation and salivation 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 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 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 packages 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 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 lit, well-built, dry, cool ventilated and sufficient in dimensions to avoid contaminated with vapour.

Chemical Composition:

Quinalphos technical	(Min. purity 70% a.i)	35.70 % w/w
Solvent xylene	(Dimethyl benzene)	54.30 % w/w
Emulsifier	(Calcium alkyl sulphonate & poly oxy ethylene ether)	10.00 % w/w
Total:		100.000 % w/w
