

CIR-181744/2021-Chlorpyrifos (DP) (428)-1840

Chlorpyrifos 1.5% D.P

(Insecticide)

An organophosphorus dust insecticide for the control of crop pests only.

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 (days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (Kg)			
Paddy	Stem borer, Green Leaf hopper, Brown plant hopper , Leaf folder, Gall midge, Grass hopper	375	25		7	

Direction of Use

Knapsack below duster, hand operated rotary duster, battery operated knapsack sprayer cum duster etc.

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 dust particles. Dust in the direction of wind.
- 4 . Wash thoroughly the contaminated clothes and parts of the body after dusting.
5. Do not smoke, drink, eat and chew anything while dusting.
6. Wear full protective clothing while dusting.

Symptoms Of Poisoning

Headache, giddiness, vertigo, Nausea, Vomiting, Blurred vision, Diarrhoea, Convulsions, 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 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

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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. Packages shall be broken and buried away from habitaion.
2. The used packages shall not be left outside to prevent their reuse.
3. Packages or surpuls materials and washing from the machines and contianers should be disposed off in safe manner so as to prevent environmental of water pollution.

Storage Conditions

1. The pesticides shall be stored in a separate rooms or premises form the rooms or pesticides meant for storing other articels, particularly articels offood, shall be kept in separate almira under locke and key depending upon the quantity and nature of the insecticides.
2. The rooms or premisies meant for storing the insecticide shall be well built. Dry well lit and ventilated and of sufficient dimension to avoid conteminated with vapour.

Chemical Composition:

Chlorpyrifos Technical	(Minimum purity 94%)	1.62 % w/w
Xylene	Evaporated during manufacturing process	2.73 % w/w
De-activator	(Diethylene Glycol)	2.00 % w/w
Soap stone powder		90.65 % w/w
precipitated silica		3.00 % w/w
Total:		100.00% w/w