

CIR-181746/2021-Chlorpyrifos (EC) (428)-1841

Chlorpyrifos 20%E.C

(Insecticide)

It is a contact and stomach poisonous emulsifiable concentrate formulation based on chlorpyrifos technical.

*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 (lit)	Waiting Period between last spray to harvest (in days)	Re-entry after each Application (In Hours)
		AI (gm %)	Formulation (ml)			
A- Non cropped area						
1. Wheat	3-4 ml/kg seed					
2. Soil treatment	--	--	--	--	--	
1. Buildings :	(Pre & Post construction treatment)	1% a.i.				
Cotton	Aphid,Boll worm, White fly	250	1250	500-1000		
	Cut Worm	750	3750	500-1000		
Wheat	2-3 ltrs. / ha	--	--	--	--	
Gram	15-30 ml/kg seed					
2. Forestry		1%a.i.				
Barley	4-6 ml/kg seed					
Tabacco	Ground beetle	350	1750	500-1000		
termite Control						
Paddy	Hispa	250	1250	500-1000		
	Leaf roller	375	1875	500-1000		
	Gall midge,Stem borer,whorl maggot	250	1250	500-1000		
Citrus	Black Citrus, Aphid	0.02%	1500-2000	1500-2000		
Cabbage	Diamond Backmoth	400	2000	500-1000		
Onion	Root grub	1000	5000	500-1000		
B-Cropped area						
Ber	Leaf hopper	0.03%	2250-3000	1500-2000		
Brinjal	Shoot & fruit borer	200	1000	500-1000		
Apple	Aphid	0.05%	3750-5000	1500-2000		
Beans	pod borer, Black bug	600	3000	500-1000		

Direction of Use

P.P. Equipment:-P.P. Equipment:-Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer.

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 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.

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

Chemical Composition:

Chlorpyrifos tech.	(based on 94% w/w)	21.50 % w/w
Emulsifier	Anionic(Calcium Alkyl Aryl Sulphonate)Non ionic (poly oxyethylene ether)	6.00 % w/w
Solvent	(Aromex)	72.50 % w/w
Total:		100.000% w/w