

CIR-181629/2021-Monocrotophos (SL) (428)-502

**Monocrotophos-36% S.L.**

**( Insecticide )**

A systemic and contact soluble liquid formulation based on Monocrotophos 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.

**Recommendation**

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water in water (lit)</u>	<u>Waiting Period between last spray to harvest (days)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (gm)</u>	<u>Formulation (ml)</u>			
Red gram	Plume mouth, Pod borer, Pod fly	250, 500, 250	625, 1250, 625	500-1000	-	
Mango	Bug mite, Gall Maker hopper, Melay bug, Shoot borer	0.040%, 0.04%	1500-2000	500-2000	10 liter/tree, 20 liter/tree	
Cardamom	Thrips	375	937	500-1000	-	
Cotton	American boll worm	450-800	1125-2250	500-1000	-	
	Aphid	175	437	500-1000	-	
	Leaf hopper	175	437	500-1000	-	
	Grey weevil	500	1250	500-1000	-	
	Spotted boll worm	450-800	1125-2250	500-1000	-	
	Pink boll worm	800	2250	500-1000	-	
	Thrips	175	437	500-1000	-	
	White fly	200	500	500-1000	-	
Coffee	Green bug	625	1562	500-1000	-	
Paddy	Brown plant hopper	500	1250	500-1000	-	
	Green Leaf hopper	250	625	500-1000	-	
	Leaf roller/folder	250	625	500-1000	-	

	Yellow stem borer	500	1250	500-1000	-	
Citrus	Black aphids, Mite	0.040%, 0.025%	1500-2000, 937- 1250	500-2000	10 liter/tree	
Pea	Leaf miner	400	1000	500-1000	-	
Green gram	Pod borer	175	437	500-1000	-	

### **Direction of Use**

WARNING: BANNED FOR USE ON VEGETABLES

P.P. Equipment:-Knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer etc. fitted with hollow cone nozzle.

### **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 disposed off packages or surplus materials and washings from the machine and container 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 burried away from habitation.

#### **Storage Conditions**

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

#### **Chemical Composition:**

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Monocrotophos Tech.	(based on 68% w/w a.i.)	53.00 % w/w
Solvent	Cyclohexanone	47.00 % w/w
		<b>Total: 100.000 % w/w</b>

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