

CIR-181630/2021-Monocrotophos (SG) (428)-503

Monocrotophos 15% w/w SG

(Insecticide)

A water soluble granules containing 15% w/w O-O, Dimethyl O-O (2-Methylcarbomyl-1-Methyl-vinyl)-phosphate balance surfactant & fillers. A systemic and contact insecticide effective against Aphids, Jassids, Whiteflies and Thrips of cotton.

*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

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Litres)	Waiting Period between last spray to harvest (days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (gm)			
Cotton	Aphid, Jassids, Thrip, White fly	200	1333	500-1000	58	

Direction of Use

CAUTION : Banned for use on vegetables.

The above recommendations are a guide applicable at average height of the crops at the time when pests to be controlled make their appearance. The amount of spray liquid may be adjusted according to the stage of growth of plants. The quantity of insecticide per hectare remains the same.

Compatibility : Insecticide is compatible with most of the commonly used insecticides and organic fungicides except those of alkaline nature.

Do not use with spray solutions containing lead arsenate.

Preparation of spray solution : Add slowly the required quantity of insecticide to water and stir well with a stick or rod. While preparing large quantities of spray solution, first add insecticide to a bucket half-filled with water, stir, then empty the pre-solution into the bulk of water. Plant

protection equipment : Knapsack sprayer fitted with a flat fan nozzle is recommended for use while using insecticide.

Time of Application

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Precaution

1. Avoid inhalation, skin or oral contact with pesticide.
2. Do not chew tobacco, eat food or smoke during spraying.
3. While spraying use protective clothing, rubber gloves, boots, face shield or dust mask, overall, rubber apron, hood or hat.
4. Spray only in the direction of wind currents and not against so as to avoid spray drifts setting on body.

5. Wash hands and contaminated parts of body well with soap and water after spraying.
6. Clean sprayer thoroughly with water after completion of work.

Symptoms Of Poisoning

The early symptoms may be any combination of headache, giddiness, nausea, vomit, tightness in chest, excessive sweating, lacrimation and salivation, blurred vision, constriction of pupils, diarrhea, nasal discharge etc.

First Aid

- a) Call a physician. If condition is serious remove patient to nearest hospital.
- b) If swallowed gastric lavage with 5 percent sodium carbonate.
- c) Wash contaminated skin, hair and finger nails with plenty of water and soap immediately. Irrigate contaminated eyes with normal saline of water for 15 minutes.

Phytotoxicity

Non phytotoxic when used as recommended.

Antidote

- a) Atropinize the patient immediately and maintain full atropinisation by repeated doses of 2-4 mg. at 5-10 minutes interval until continuance of symptoms.
- b) Administer 1-2 gm – of 2 pyridin – 2 – aldoxine – N – Methyl – iodine (2 PAM) to be dissolved in 10 c.c. of distilled water and to be injected intravenously for 10-15 minutes.
- c) Oxygen and artificial respiration if necessary as per physicians advice.

Disposal Of Used Container

1. The packages shall be broken and buried away from habitation.
2. The used packages shall not be left outside to prevent their re-use.
3. Packages or surplus material and washings should be disposed off in a safe manner so as to prevent environmental or water pollution.

Storage Conditions

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

Chemical Composition:

Monocrotophos	a.i.	15.00 % w/w
Naphthalene Phenol Formaldehyde	Surfactant	2.00 % w/w
Condensate		
Precipitated Silica	Fillers	17.50 % w/w
Ammonium sulphate		QS %
		Total: 100.000 % w/w
