

CIR-181856/2021-Temephos (Granules) (428)-173

Temephos 1% Granules
(Insecticide)

Temephos 1% SG and granules is an excellent larvicide which effectively kills larvae of mosquito by treatment of breeding areas.

Temephos 1% S.G is also for control of some major anthropod vectors of human diseases, including cyclops spp, the vector of guinea worm diseases (Dracunculiasis) and nuisance insects.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water	Waiting Period between last spray to harvest	Re-entry after each Application (In Hours)
		AI gm	Formulation K.gm			
Mosquito	Highly polluted (Drains, cesspits and	200-500	20.0-50.0			
	Clean (standing water, shallow ponds, lakes, woodland pools)	50-100	5.0-10.0			
	Moderately polluted (Tidal waters, marshes, swamps, etc.)	100-200	10.0-20.0			
Cyclops sp. apply	Ponds, stepwells etc.	0.5-1.0	5-10 gm			

Direction of Use

For most effective control, apply when insect are in early larval stage. Broadcast by hand using gloves. For control of cyclops , measured of Temephos 1% SG is to applied to make an effective concentration. As for example 10 gm. of Temephos 1% SG per 100 litres water will be equivalent to 1 mg per a.i. per liter water or 1 ppm. apply uniformly and repeat applications, if necessary. Use hand gloves while broadcasting granules.

Precaution

1. keep out of reach of children.
2. May cause irritation.
- 3.. May be harmful if swallowed or inhaled.
4. Avoid contact with skin or eyes.
5. Avoid breathing dust.
6. Wash throughly after handling.
7. In case of contact, flush skin or eyes with plenty of water.

8. Do not contaminated food or animal feed.
9. In case of poisoning, call a physician immediately.

Symptoms Of Poisoning

The early symptoms of poisoning are unspecific, headache, giddiness, vertigo, vomiting, blurred vision, sweating, excessive lacrimation and salivation.

First Aid

If swallowed induce vomiting by tickling the back of throat. Evacuate stomach by gastric lavage. In case of skin is contamination, immediately remove clothes and wash contaminated areas throughly with soap and plenty of water in case of eye contamination, flush eyes with plenty of water for 15 minutes.

Antidote

Atropinize the patient immediately by repeated administration of atropine sulphate intravenously 2 to 4 mg at 5 to 10 minutes interval for hours together. Administer 1-2 gm of 2 pyridine-2-aldoxime-N-methyl iodide (2 PAM) intravenously (very slowly taking 10-15 minutes) by dissolving in 10 cc distilled water.

Disposal Of Used Container

Do not re-use container. The container be destroyed and buried away from the inhabitation. No container should be left outside after use to prevent it from re-use. It should be destroyed in such a manner that there will be no water or environmental pollution.

Storage Conditions

Store in a cool dry place. Packing should be secured under lock and key. The premises in which material will be stored should be well built, well ventilated, well lit and sufficient in dimension.

Chemical Composition:

Temphos Tech.	(Based on 90% w/w a.i)	1.10 % w/w
Emulsifier		1.00 % w/w
Absorbent:Dicalite/Dicamol.		2.50 % w/w
Inert carrier		95.40 % w/w
		Total:100.000 % w/w
