

CIR-181653/2021-Cypermethrin + Quinalphos (EC) (428)-534

**Cypermethrin 3% + Quinalphos 20% EC**

( Insecticide )

Cypermethrin 3% + Quinalphos 20% EC is a contact and stomach action insecticide which is very effective against American boll worms, spotted boll worms jassids of cotton and shoot and fruit borer of brinjal.

**Recommendation**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Litr)	Waiting Period between last spray to harvest (in days)	Re-entry after each Application (In Hours)
		AI (Kg)	Formulation (ml)			
Cotton	American boll worm spotted boll worm jassids		1000-1250	1000	15	

**Direction of Use**

As per recommendation, mix the pesticide and water at right dosage and spray. Spray by using high volume sprayer viz . knapsack sprayer . Before spraying the pesticide , its suspension should be mixed well with a wooden log .

**Time of Application**

The product should be sprayed immediately after seeing the symptoms of attack. The second spraying can be done at 10-15 days interval .

**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 5. Do not smoke , drink and take any food while spraying. 6. Wear full protective clothing while mixing and spraying. 7. It should not be used in the areas where pisciculture/ aquaculture is practiced alongwith rice cultivation.

**Symptoms Of Poisoning**

Sweating, lethargy, salivation, nervousness, anxiety, tremor, diarrhoea, convulsions, nausea, vomiting, blurred vision, allergy and slurred speech may occur.

**First Aid**

1. If swallowed, donot induce vomiting or give liquid.
2. If clothing and skin is 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 non-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.
3. Antihistamines may be given for allergic manifestation.

### **Disposal Of Used Container**

1. Empty containers should be destroyed, they should be buried in the soils where there is no underground water course . Used packages or surplus materials and washing of the insecticides should be disposed off in a safe manner so as to prevent environmental or water pollution .
2. The used packages should not be left outside to prevent their re - use
3. The empty containers should be broken and buried deep in the ground away from the habitation .

### **Storage Conditions**

The packages containing the insecticides should be stored in separate rooms or premises away from the rooms of Premises used for storing other articles particularly articles of food or should be kept in separate almirahs under lock and key depending upon the quantity and nature of the insecticides. The rooms or premises meant for storing the insecticides should be well built, dry, well lit and ventilated and of sufficient dimension to avoid contamination with vapours .

### **Chemical Composition:**

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Cypermethrin Tech.	92% purity	3.26 % w/w
Quinalphos Tech.	70% purity	28.57 % w/w
Emulsifier : Calcium alkyl aryl- sulphonate (anionic) & Polyoxyethylene ether (non-ionic)		10.00 % w/w
Solvent : Dimethyl benzene		58.17 % w/w
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		<b>Total: 100.000 % w/w</b>

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