

CIR-181748/2021-Buprofezin (SC) (428)-1296

Buprofezin 25% SC

(Contact Insecticide)

Buprofezin 25% SC is an insecticide used for the control of sucking pest of Rice, Cotton, Chillies Mango & Grapes particularly against plant hoppers, Whiteflies, Aphids, Jassids, Thrips, Mites, Hoppers, Mealy bugs etc.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water In water (ltr.)	Waiting Period between last spray to harvest (Days)	Re-entry after each Application (In Hours)
		AI (g)	Formulation (Ltr)			
Grapes	Mealy bugs	250-375	1-1.5	500-1000	7	
Mango	Hoppers	0.025 % to 0.05 %	1-2ml/liter of water	5-15 litre per tree	20	
Cotton	whiteflies, Aphids, Jassids, Thrips	250	1	500-750	20	
	Mealy bug	312.5	1.25	500-750	20	-
Rice	Brown plant hopper, Green leaf hopper, white backed plant hopper	200	0.8	400-500	20	
Chillies	Yellow mite	75-150	0.3-0.6	500-750	5	

Direction of Use

a)Preparation of spray mixture: Take the required quantity of insecticide, dilute with a little water and stir well using a stick, then add the remaining quantity of water as per spray volume required and mix well again by stirring.

b)Plant protection equipments: Use knapsack sprayer, foot sprayer, compression knapsack sprayer, compression knapsack battery sprayer or ASPEE-HTP sprayer.

COMPATIBILITY: Buprofezin25%SC is compatible with the commonly used insecticides and fungicides.

Precaution

1. Avoid inhalation and skin contact while dilution because of spillage's splashes. Do not mix with bare hands.
- 2.The user should use full protective clothing, which includes rubber boots. Face should be covered with dust mask or respiration and an overall or rubber apron hood or hat.
- 3.Use in high concentration with low and ultra volume application equipment is a dangerous and should be avoided.

LIMITATION AND CAUTIONS FOR USE: Do not use in those situation if there is possibility of harming bees and fish, livestock, game, wild birds and animals.

Symptoms Of Poisoning

Symptoms may be combination of dizziness, headache, nervousness, anxiety, salivation tremors, convulsions, allergy, localized skin effect like itching, nausea ,slight skin erythema and hypoactivity.

First Aid

Remove the patient to fresh air. Remove contaminated clothing. If skin is contaminated wash well with soap and water. If eyes are contaminated flush with clean water. Call a physician. If swallowed, induce vomiting.

Phytotoxicity

Buprofezin 25% SC is not phytotoxic when used as per recommendations.

Antidote

No specific antidote. Give symptomatic and supportive therapy.

Disposal Of Used Container

1. The packages or surplus materials and washing from the machine and container shall be disposed off in a safe manner so as to prevent environmental and water pollution.
2. The used package shall not be left outside to prevent re-use.
3. Packages shall be broken and buried away from habitation.

Storage Conditions

1. The package containing the fungicides shall be stored in separate rooms or premises away from the rooms or premises used for stored other articles particularly food articles or shall be kept in separate almirahs under lock and key depending on the quantity and nature of insecticide.
2. The store room should be well built, well lit, ventilated and sufficient dimensions. The conditions of the store should be dry and cool.

Chemical Composition:

Buprofezin	(a.i. content)	25.00 % w/w
Dispersing agent:	(Alkylated naphthalene sulphonate formaldehyde polymer, sodium salt)	2.50 % w/w
Antifreeze agent:	(Propylene glycol)	12.50 % w/w
Defoamer:	(Dimethyl Polysiloxane)	0.03 % w/w
Thickener 1	(Xanthum Gum)(Heteropolysaccharide)	0.10 % w/w
Thickener 2	(Bentonite Clay)	2.50 % w/w
Bactericide	(1,2-benzisothiazin-3-one)	0.15 % w/w
Distilled water	Q.S	% w/w
Total:		100.000% w/w