

CIR-181830/2021-Pendimethalin (Granules) (428)-1389

Pendimethalin 5% Granules

(Herbicide)

Pendimethalin 5% Granules controls the susceptible annual grasses and broad-leaved weeds as they germinate has been widely tested in rice transplanted and direct sown puddled with excellent results for the control of major weeds such as Echinochloa colona, E. Crusgalli and certain other weeds.

* Caution Toxic to aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (L)	Waiting Period between last spray to harvest (days)	Re-entry after each Application (In Hours)
		AI (Kg)	Formulation (Kg)			
Rice (Transplanted/ Direct sowing)	Echinochloa colonum, E. crusgalli, Fimbristylismiliacea, Marsilia quadrifoliata, Ludvigia parviflora, Eclipta alba, Cyperus difformis, Alternanthera sessilis, Ammania bacifera	1.0-1.5	20-30	-	-	

Direction of Use

PPE : Apply with whorled granule applicator or by hand with bearing gloves. Broadcast the granules uniformly over the field within 3 to 4 days of transplanting.

Time of Application

Broadcast within 3-4 days after transplanting when water level at 5-10 cm depth

Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals food. 2. Avoid contact with mouth, eyes and skin. 3. Avoid inhalation during broadcasting. 4. Wash thoroughly the contaminated clothes and parts of the body after broadcasting. 5. Do not smoke, drink, eat and chew anything while broadcasting. 6. Wear full protective clothing while broadcasting. 7. It should not be used in the areas where pisciculture/aquaculture is practiced along with rice cultivation.

Symptoms Of Poisoning

Headache, giddiness, nausea, vomiting may occur.

First Aid

1. If swallowed, do not induce vomiting or give liquid orally. 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

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Antidote

No specific antidote is known. Treat symptomatically.

Disposal Of Used Container

1 It shall be the duty of manufacturers/formulators of herbicide and operator to dispose packages or surplus materials and washings from the machine and container shall be disposed off 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 buried away from habitation.

Storage Conditions

1. The packages containing the herbicide shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of food or shall be kept in separate almirahs under lock and key depend upon the quantity and nature of the herbicide. 2. The rooms or premises meant for storing the herbicides shall be well built, dry, well-lit and ventilated and of sufficient dimensions to avoid contamination with vapour.

Chemical Composition:

Pendimethalin a.i.	5.00 % w/w
Ethylene Glycol (Solvent)	1.20 % w/w
Emulsifier Alkyl aryl sulphonate & polyoxyethylene ether	2.00 % w/w
Carrier Blank Granules	QS % w/w
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Total:100.000 % w/w	
