

CIR-190762/2021-Clodinafop Propargyl + Metsulfuron Methyl (WP) (430)-317

Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP

(Selective Herbicide)

Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP is a post-emergence herbicides for the effective control of grasses and broad leaf weeds in wheat crops.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water Ltr.	Waiting Period between last spray to harvest Days	Re-entry after each Application (In Hours)
		AI gm.	Formulation gm.			
Wheat	Phalaris minor (Little seed canary grass), Avena fatua (Wild oat), Chenopodium album (Fat hen), Melilotus sp. (Bokhara clover), Fumaraia puriflora (Fumitory), Vicia sativa (Vetch) Rumex spp. (Wild spinach), Anagallis arvensis (Blue pimpernel),	60+4	400	375	100	
	Coronopus didymus (Swines cress), Lathyrus sp. (Indian pea), Convolvulus arvensis (Field bindweed)					

Direction of Use

Dose: Use the content (160 g) for once acre of land for the effective control of grasses and broad leaf weeds in wheat crop.

Preparation of the spray Liquid:

- 1) Dissolve the entire content of Clodinafop propargly 15% + Metsulfuron Methyl% WP sachet(160) in ten litres of water and mix thoroughly.
- 2) Then add the entire content of surfactant (500 ml) to the above solution and mix thoroughly with a stick.
- 3) Dilute the solution with 150 litres of water to uniformly spray one acre. Application: This should only be applied as liquid spray. Use a knapsack spray equipped with flat fan nozzle. As with any herbicides, calibrate yourself and the sprayer prior to application to ensure the use if adequate spray solution. For the best results, apply of Clodinafop propargly 15% + Metsulfuron Methyl% WP when the weeds are in the 2-6 leaf stages, normally 35 days after sowing of wheat crop. For the best results ensure a uniform application of the spray solution over the treated area.

Time of Application

Application: This herbicides is recommended for control grasses and broad leaf weeds in the wheat crop. The ideal time for application of this herbicides id 35 days after sowing of wheat crop when the weeds are in the 2-6 leaf stages.

Precaution

1. Clodinafop propargly 15% + Metsulfuron Methyl% WP should be used as liquid spray. Do not broadcast of Clodinafop propargly 15% + Metsulfuron Methyl% WP
2. Do not use a mist blower (Power sprayer).
3. The spray man should use appropriate protective clothing like hat, long sleeved shirt, long pants and shoes.
4. Avoid contact with eyes and skin when handling the concentrates spray solution. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke during application.
5. Remove contaminated clothes and wash before reuse. Do not reuse the empty containers.
6. Wash hand & exposed skin with soap and water before meals and after work.
7. After spraying this herbicides, the sprayer and utensils should be thoroughly cleaned with plenty of soap and water.

Symptoms Of Poisoning

Nausea, vomiting, diarrhoea, headache, coughing and shortness of breath.

First Aid

Remove the patient to the fresh air. Wash contaminated skin with plenty of soap and water. If eyes are contaminated, wash with copious amount of water for 15 minutes or call the doctor immediately. If ingested victim should be induced to vomit by tickling the back of throat. In emergence take the patient to the nearest hospital.

Antidote

There is no specific antidote. Treat symptomatically.

Disposal Of Used Container

1. It shall be the duty of the manufacturers, formulators of herbicides and operators to dispose packages or surplus materials and washings 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 herbicides shall be stored in separate rooms & premises, away from the rooms or premises used for the storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and under of the herbicides.
2. The rooms or premises meant for storing herbicides shall be well-built, dry, well-lit and ventilated and of sufficient dimension.

Chemical Composition:

Clodinafop Propargyl	a.i.	15.00 % w/w
Metsulfuron Methyl	a.i.	1.00 % w/w
Cloquintocet Methyl		3.75 % w/w
Ethoxylated alkyl phenol	Wetting Agent	16.00 % w/w
(a) Castor-oil ethoxylate	Dispersing agent	1.50 % w/w
b) Sulphated poly aryl alkyl ethoxylate Ammonium Salt	Dispersing agent	4.00 % w/w
Stabilizer Epoxydised soybean oil		4.00 % w/w
Hydrophobic silica powder	Inert ingredient	8.00 % w/w
Colloidal silica	Inert ingredient	Q.S %
Note: Co-pack contains 500ml of surfactant, which is to be used at the time of spraying.		%

Total: 100.000% w/w
