

CIR-181633/2021-Metribuzin + Clodinafop propagyl (WG) (428)-677

Metribuzin 42% + Clodinafop propagyl 12% WG for indigenous manufacture

(Selective Herbicide)

Metribuzin 42% + Clodinafop propagyl 12 % WG is a post-emergence herbicide for the effective control of grasses and broad leaf weeds in wheat crop.

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 (g)	Formulation (g)			
Wheat	Phalaris minor(Canary grass), Avena spp (Wild oat), Chenopodium album (Fat hen), Melilotus sp. (Sweet clover), Medicago denticulate (Toothed medic), Rumex spp. (wild spinach), Anagallis arvensis (Blue Pimperne)	210 + 60	500	375	92	

Direction of Use

Use a knapsack sprayer equipped with a flat fan nozzle. As with any herbicide, calibrate yourself and the sprayer prior to application to ensure the use of adequate spray solution. For the best results, apply Metribuzin 42% + Clodinafop Propagyl 12% WG when the weeds are in the 2-6 leaf stages, normally 30-35 days after sowing of wheat crop. For the best results, ensure a uniform application of the spray solution over the treated area. It should not be used in the areas where piciculture is practiced.

Time of Application

This herbicide is recommended for control grasses and broad leaf weeds in the wheat crop. The ideal time for application of this herbicide is 30-35 days after sowing of wheat crop when the weeds are in the 2-6 leaf stages

DOSE: Use the 200 g product along with co-pack containing 500 ml non-ionic surfactant (tallow amine ethoxylate 70%) for one acre for the effective control of grasses and broad leaf weeds in wheat crop. Preparation of the spray liquid:

1. Dissolve the entire content of Metribuzin 42% + Clodinafop Propagyl 12% WG sachet (200 g) in ten liters of water and mix thoroughly.
2. Then add the entire contents of surfactant (500 ml) to the above solution and mix thoroughly with a stick.
3. Dilute the solution with 150 litres of water to spray one acre uniformly.

Precaution

1. Metribuzin 42% + Clodinafop Propagyl 12% WG should only be used as liquid spray and do not broadcast.
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 hands & exposed skin with soap and water before meals and after work.
7. After spraying this herbicide, the sprayer and utensils should be thoroughly cleaned with plenty of soap and water.

Symptoms Of Poisoning

May cause skin, eye and respiratory tract irritation, headache, dizziness, numbness, nausea, in coordination or other central nervous system effect. Dyspnea, salivation and decreased activity may occur.

First Aid

Remove the patient to the fresh air. Remove the contaminated clothing and shoes immediately. Wash contaminated skin with soap and plenty of water. If eyes are contaminated, wash with water atleast 15 minutes and refer to doctor. Do not induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything by mouth to an unconscious person. In emergency take the patient to the nearest hospital.

Antidote

No specific antidote is known. Treat symptomatically.

Disposal Of Used Container

1. It shall be the duty of the manufacture, formulators of herbicide and operators to dispose packages or surplus material and washing 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 herbicide shall be stored in separate rooms or premises, away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the herbicide.
2. The rooms or premises meant for storing herbicides shall be well built, dry, well lit and ventilated and of sufficient dimensions.

Chemical Composition:

Metribuzin a.i.	42.00 % w/w
Clodinafop propagyl a.i.	12.00 % w/w
Cloquintocet mexyl	03.00 % w/w
Precipitated Silica	12.00 % w/w
Modified styrene acrylic polymer	7.00 % w/w
Dialkyl Naphthalene sulphonate, sodium salt	4.00 % w/w
Polyarylphenyl ether sulphate, Ammonium salt	6.50 % w/w
Silicon antifoam emulsion	0.20 % w/w
Water	3.00 % w/w
Titanium dioxide	Q.S. to make %
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Total:100.000 % w/w	
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