

CIR-181649/2021-Clodinafop Propagyl + Metribuzin (WP) (428)-251

**Clodinafop Propagyl 9% + Metribuzin 20% WP**

**( Selective Herbicide )**

It is selective and post emergence herbicide used for weeds control in wheat crop, which contains Clodinafop Propagyl (9% a.i.) Metribuzin (20% a.i.) and remaining adjuvant.

**Recommendation**

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (ltr/ha)	Waiting Period between last spray to harvest (in days)	Re-entry after each Application (In Hours)
		AI (gm)	Formulation (gm)			
Wheat	Phalaris minor, Medicago spp. Melilotus spp., Chenopodium album, Cronopus didymus, Vicia sativa, Rumex spp, Dinebra retroflexa	54 + 120	600	300	120	

**Direction of Use**

Preparation of spray solution: First fill 1/3 or ½ of knapsack sprayer tank with clean water and put the water soluble pouch of herbicide. Gently stir the soluble until the whole pouch and its contents fully dissolve in water. Now, add rest of the water to sprayer tank to make up the volume for spraying.

Plant Protection Equipment: Knapsack or foot operated sprayers fitted with flat fan or flood jet type of nozzle.

Limitation for use: It should not be used in crops where it has not been recommended. It should never be used in combination with any insecticides, urea or plant growth regulators.

**Time of Application**

This herbicide is recommended for post emergence application i.e. 35 days after sowing of wheat crop when weeds are 3-4 leaves stage.

**Precaution**

1. Keep away the herbicidal from foodstuffs, empty foodstuff containers and animals feed.
2. Avoid contact with mouth, eyes and skin. Do not mix with bare hands.
3. Avoid inhalation the spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and parts of the body after spraying.
5. Do not smoke, drink, eat and chew anything while spraying.
6. Wear full protective clothing e.g. hand gloves, goggles and face mask while mixing and spraying.

### **Symptoms Of Poisoning**

Headache, nausea, allergic manifestation, nervousness, anxiety, tremor, spasticity in muscles, dyspnea, salivation decreased activity and eyes & skin irritation may occur.

### **First Aid**

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear.
2. If clothing and skin are contaminated, remove the cloths 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 immediately.

### **Antidote**

No specific antidote is known. Treat symptomatically.

### **Disposal Of Used Container**

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

### **Storage Conditions**

1. Keep the herbicide in a cool & dry place away from heat and open flame.
2. The packages containing the insecticides 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 almirah under lock and key depending upon the quantity and nature of the insecticide
3. The rooms or premises meant for storing the insecticides shall be well built, dry, well-lit, ventilated and of sufficient dimensions to avoid contamination with vapours.

### **Chemical Composition:**

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Clodinafop Propargyl a.i.	09.00 % w/w
Metribuzin a.i.	20.00 % w/w
Safener (Cloquintocet-mexyl)	02.25 % w/w
Dispersing Agent (N-methyl oleyl tourate sodium salt and blend of sodium salt of alkyl benzene sulfonate)	08.50 % w/w
Wetting agent (Alkoxyated Alcohol)	21.00 % w/w
Precipitated silica	Q.S. %