

CIR-181637/2021-2,4-D ETHYL ESTER (WP) (428)-741

2,4-D ETHYL ESTER 20% W.P. (Containing 2,4-D Acid 18% w/w)
(Herbicide)

It is a herbicide which contains 20% active ingredient, 2,4-D Ethyl Ester by mass and balance adjuvants.

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water (Ltr)	Waiting Period between last spray to harvest (In days)	Re-entry after each Application (In Hours)
		AI (kg)	Formulation (kg)			
Wheat	Fumaria parviflora, Chenopodium album, Melilotus alba	0.9	5.0	600		
Sorghum	Digera arvensis, Convolvulus arvensis, Trianthema monogyna, Striga spp.	0.9	5.0	500-600	-	
Rice	Echinochloa crusgalli, Echinochloa colunum	0.9	5.0	500-600		
Maize & Bajra	Cyperus spp., Euphorbia hirta, Trianthema monogyna	0.9	5.0	500-600	-	

Direction of Use

Plant protection equipment : Knapsack sprayer, Compression knapsack battery sprayer fitted with flat fan or flood jet nozzle.

Time of Application

Maize & Bajra : Pre-emergence, 1-2 days after sowing.

Sorghum: Post emergence when crop reach the height of 10 -30 cm.

Rice :- If needed, dose applying 40 days after transplanting.

Wheat :- Post emergence (35 days after sowing)

Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals food.
2. Avoid contact with mouth, eyes and skin.
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 while mixing and spraying.

Symptoms Of Poisoning

Weakness, diarrhoea, spasticity of muscles of the hands and feet. There may be hyperpyrexia in a few cases. Death may occur due to ventricular fibrillation or cardiac arrest.

First Aid

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.
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.

Antidote

Quinidine sulphate may be given to control myotonia or suppress abnormal ventricular cardiac rhythm. Treat symptomatically.

Disposal Of Used Container

1. Empty containers shall be broken & buried away from habitation.
2. The user should container packages shall not be left outside to prevent their re-use.
3. Packages or surplus material & washings should be disposed off in a safe manner as to prevent environmental or water pollution.

Storage Conditions

1. The packages containing the material shall be stored in separate rooms or premises away from the room or premises for storing other articles or shall be kept in separate almirahs under lock key depending upon the quantity and nature of material.
2. The room or premises meant for storing the material shall be well built, dry well lit, ventilated and of sufficient dimensions to avoid contamination with vapours.

Chemical Composition:

2,4-D Ethyl Ester Tech	(Based on 85% w/w, 2,4-D acid as a.i.)	21.20 % w/w
Wetting & Dispersing agent	(Ligno Sulphonate)	5.00 % w/w
China clay		73.80 % w/w
		Total: 100.000% w/w
