

CIR-181635/2021-2,4-D-Amine salt (SL) (428)-740

2,4-D-Amine salt 22.5% S.L.

(Selective Herbicide)

2,4-D amine salt is a selective herbicide effective against dicot weeds in maize, wheat, potato and sorghum.

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 (Ltr.)			
Potato	Chenopodium spp., Cyperus iria,Portulaca oleracea	2.00	8.80	400		
Wheat	Chenopodium album,Fumeria parviflora ,Melilotus alba	0.42	1.875	500		
Sorghum	Cyperus iria,Striga spp.,Trianthema spp., Euphorbia hirta, Digeria arvensis.	1.4	6.25	500-600	--	
Maize	Trianthema monogynae, Portulaca oleracea, Amaranthus spp. ,Cyperus iria	1.41	6.25	400-500	50-60	

Direction of Use

Plant Protection Equipment knapsack sprayer, foot sprayer, compression knapsack battery sprayer and ASPEE-HTP power sprayer fitted with flat fan or flood jet nozzle.

Mode of Application : Blanket application

Time of Application

Sorghum :- Post emergence

Maize :- Pre-emergence, 2-3 days after sowing

Wheat :- Post emergence, 30-45 days after sowing

Potato :- Pre-emergence

Precaution

1. Keep away from foodstuffs, empty foodstuff containers and animals feed.
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

Nausea, headache, weakness, diarrhoea, spasticity of muscles of the hands and feet. There may be hyperpyrexia in 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. Packages or surplus materials and washings from the machines and containers shall be disposed of in a safe manner, so as to prevent environmental or water pollution.
2. The used packages shall not be left outside to prevent their reuse.
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 herbicide shall be well built, dry well-lit and ventilated and of sufficient dimensions to avoid contamination with vapour.

Chemical Composition:

2,4-D Acid Tech.	(Based on 97% w/w. a.i. min)	23.00 % w/w
Triethanolamine		22.50 % w/w
Diluent-water		54.47 % w/w
Cupric Sulphonate		0.023 % w/w
Sequestering agent (EDTA)		0.007 % w/w

Total: 100.000% w/w
