

CIR-191778/2021-Imazethapyr (SL) (429)-721

Imazethapyr 10 % SL

(Herbicide)

Imazethapyr 10% SL is a herbicide based on the active ingredient, Imazethapyr. It is recommended for use on Soybean, Groundnut, Black gram, green gram and Red gram for control of annual grasses and broad leaf weeds.

Recommendation

<u>Crop(s)</u>	<u>Common Name of Pest</u>	<u>Dosage/HA</u>		<u>Dilution in Water (Litre)</u>	<u>Waiting Period between last spray to harvest (In days)</u>	<u>Re-entry after each Application (In Hours)</u>
		<u>AI (g)</u>	<u>Formulation (Litre)</u>			
Red gram	Digitaria sanguinalis Dinemia retrofracta	75 g a.i./ha + MSO adjuvant @ 2 ml/litre of water	750 ml + MSO adjuvant @ 2 ml/ha of water.	375	125	-
Black gram	Brachiaria eruciformis Amaranthus viridis Euphorbia hirta Commelina benghalensis	75 g a.i./ha + MSO adjuvant @ 2 ml/litre of water	750 ml + MSO adjuvant @ 2 ml/ha of water.	375	56	-
Green gram	Amaranthus viridis Trianthema portulacastrum Euphorbia hirta	75 g a.i./ha + MSO adjuvant @ 2 ml/litre of water	750 ml + MSO adjuvant @ 2 ml/ha of water	375	46	-
Groundnut	Echinochloa colonum, Euphorbia hirta, Commelina benghalensis, Digera arvensis, Amaranthus viridis, Physalis minima	100-150 g a.i./ha + MSO adjuvant @ 2 ml/l of water	1.0-1.5 L + MSO adjuvant @ 2 ml/l of water	375	102	
Soybean	Echinochloa colonum, Brachiaria mutica, Euphorbia hirta, Commelina benghalensis,	75-100 g a.i./ha + MSO adjuvant	0.75-1.0 L + MSO adjuvant @ 2 ml/l of water	375	72	

	Dinebra arabica, Digitaria spp.	@2 ml/l of water				
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Direction of Use

METHOD OF APPLICATION: Imazethapyr 10 % SL is a broad spectrum herbicide for control of grasses and broad leaf weeds in Soyabean and Groundnut, It should be applied early post emergence. Early post application is recommended when weeds are in 1-2 leaf stage or 7- 14 days after sowing.

PREPARATION OF SPRAY SOLUTION: Mix thoroughly the recommended quantity of imazethapyr 10% SL along with MSO adjuvant @ 2 ml/liter of water with adequate stirring with rod or stick. Add required quantity of water.

SPRAYING INSTRUCTIONS: 1. Ensure through land preparation. Spray uniformly without overlapping
2. Do not spray against the wind direction. 3. Clean the sprayer thoroughly before & after use.

EQUIPMENT RECOMMENDED: Spray imazethapyr 10 % SL using high volume sprayer like knapsack, foot sprayer etc. fitted with flat fan nozzle.

Time of Application

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Precaution

1. Avoid contact of the concentrated product with skin. 2. Wear protective clothing, gloves, face shield while spraying. 3. Do not eat, drink or smoke while working. 4. Avoid spray mist working. 5. Wash hands and exposed skin before meal & after work.

Symptoms Of Poisoning

Irritation to skin and eyes may occur.

First Aid

1. If on skin: Remove contaminated clothing wash this skin with plenty of soap and water. 2. If in eyes: Flush the eyes with plenty of water.
3. If inhaled: Take the victim to open air. 4. If swallowed, induce vomiting.

Phytotoxicity

There is no Phytotoxicity observed at the recommended doses.

Antidote

No specific antidote. Treat symptomatically. Call the physician if needed

Disposal Of Used Container

1. Packages or surplus material and washing from machine & container should be disposed off in a safe manner so as to prevent environment and water pollution. 2. The used empty packages should not be left outside to prevent their reuse. Packages shall be broken away from human habitation in a non crop and area where there is no underground water course.

Storage Conditions

1. Package containing Imazethapyr 10% SL shall be stored in original containers in separate rooms away from children and domestic animal under lock & key. 2. The rooms meant for storing shall be cool, dry, well ventilated, well lit well built and of sufficient dimensions.

Chemical Composition:

Imazethapyr Tech.	(Min. 90% purity)	11.11 % w/w
Ammonia Solution (10 %)		2.50 % w/w
A queus Solution of Polydimethyl Siloxane and polyoxyethylene Stearate		0.05 % w/w
Propane 1:2 diol		10.00 % w/w
Disodium hydrogen Phosphate		0.39 % w/w
Potassium Dihydrogen Phosphate		0.12 % w/w
Water		QS % w/w
		Total 100.000 % w/w
