

List of herbicides for groundnut

Sr. No.	Technical name	Trade name	Trade name wise active ingredient	Herbicide requirement in Kg/ha or Lit./ha	Mode of action	Types of weeds to be controlled
A.	PRE-EMERGENCE HERBICIDES (spray immediately after sowing, before emergence of peanut)					
1.	Pendimethalin	Stomp Dhanutop Pendifil	30 % EC	3.3 lit/ha	Seedling root growth inhibitors	Grassy weeds & broad leaves
2.	Diclosulam	Stongram Dabooch Mark Supremo gold	84% WDG	450 g/ha	Inhibition of Aceto-lactate synthesis	Broad leaves, sedges weeds
3.	Oxyfluorfen	Oxykill Oxisik Goal Galigan Oxyfen Vinash Ronaldo Oxytop Oxyrich	23.5% EC	500 ml/ha	Inhibition of Protoporphyrinogen oxidase	Control annual grasses and broadleaf weeds
4.	Fluchloralin	Basalin Fluch Umbrella	45 % EC	2.2 lit/ha	Inhibition of microtubule formation inhibiting cell division	Grassy weeds & broad leaves

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B.	POST-EMERGENCE HERBICIDES (spray at 25-30 DAS)					
5.	Clethodim	We-cletho	12% EC	800 ml/ha	Acetyl CoA carboxylase inhibitor, Selective, Systemic herbicide	Controls annual and perennial grasses
		Select				
		Centurion	25% EC	400 ml/ha		
6.	Fenoxoprop-p-ethyl	Quick super	9.3% EC	888 ml/ha	Inhibition of acetyl CoA carboxylase	<i>Echinochola</i> spp. & other grassy weeds
		Whip super				
		Sun super	10% EC	800 ml/ha		
7.	Quizalofop-p-ethyl	Turga super	5% EC	1 lit/ha	Inhibition of acetyl CoA carboxylase	Annual & perennial grassy weeds
		Ryusei				
		Sakura	10% EC	500 ml/ha		
		Q-fop				
		King super				
8.	Imazethapyr	Persuit	10% SL	800 ml/ha	Amino acid synthesis inhibitors	Grasses, Broad leaves & sedges
		Lagaam				
		Imazakill				
		Proweed				
9	Bentazon	Basagran	48 SL	2.66 lit/ha	Inhibits photosynthesis in target plants	Sedges & broad leaves
		Basaking				
		We-benta				
10	Paraquat (late post emergence)	Paranex	240% SL	800 ml/ha	Inhibit photosynthesis	Grasses & Broad leaves
		All clear				

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C.	READY- MIX MIXTURES OF HERBICIDES (controls grasses and broad leaved weeds) (spray at 25-30 DAS)		
Sr No.	Trade name	Technical content	Dose per hectare
1	Valor 32(Pre-emergence)	Pendimethalin 30 % EC + Imazethapyr 2 % EC	2.5 lit/ha
2	Tornado(Post-emergence)	Quizalofop-p-ethyl 7.5 % + Imazethapyr 15 % EC	425 ml/ha
3	Patela (Post-emergence)	Sodium acifluorfen 16.5 % + Clodinafop-propargyl 5 % EC	800 ml/ha
4	Tag flex(Post-emergence)	Fomesafen 11.1 % w/w + Fluazifop-p-butyl 11.1 % w/w SL	1 lit/ha

Note: water spray volume of 500 litres is used per ha

To get the dosage per liter, divide the herbicide requirement/500

To get the dosage per tank, divide the herbicide requirement/500, and then multiply by 15

Pre-emergence: after sowing and before emergence of groundnut; post emergence: applied generally at 25-30 DAS