



Government of India  
Ministry of Agriculture & Farmers Welfare  
Department of Agriculture & Farmers Welfare  
Directorate of Plant Protection, Quarantine & Storage  
Central Insecticides Board & Registration Committee  
N.H. IV, Faridabad-121 001 (Haryana)

# Major Uses of Pesticides

(Registered under the Insecticides Act, 1968)

(UPTO - 31/03/2024)

(Based on certificates issued)

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## **HERBICIDES**

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## **APPROVED USES OF REGISTERED HERBICIDES**

## HERBICIDES

Herbicide name & approved Crops	Weed species	Dosage /ha		Dilution in Water (Litres)	Waiting period / PHI between last application & harvest (days)
		a.i. (gm/ Kg)	Formulati on in (gm/ ml /Kg/ ltr)		
Ametryne 80% WG					
Sugarcane	<i>Digitaria sanguinalis</i> , <i>Cynodon dactylon</i> , <i>Trianthema monogyna</i> , <i>Ageratum conyzoides</i> , <i>Dactyloctenium aegyptium</i>	2.0 kg	2.5 kg	500	311
Anilofos 30% EC					
Transplanted paddy	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Eclipta alba</i> <i>Ischaemum rugosum</i> <i>Fimbristylis sp.</i> <i>Marsilea quadrifoliata</i>	0.3-0.45 kg	1-1.5 ltrs.	375-500	30
Anilofos 18% EC					
Transplanted Paddy	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Eclipta alba</i> <i>Ischaemum rugosum</i> <i>Fimbristylis sp.</i>	0.30-0.45 kg	1.66-2.5 kg	500-600	-
Anilophos 2 % G					
Transplanted rice	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Ischaemum rugosum</i> <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Fimbristylis sp.</i>	0.4-0.5 Kg	20-25 Kg	-	30
Atrazine 50% WP					

Maize	<i>Trianthema monogyna</i> <i>Digera arvensis</i> , <i>Echinochloa spp</i> <i>Eleusine Spp.</i> <i>Xanthium strumarium</i> <i>Brachiaria sp</i> , <i>Digitaria sp</i> , <i>Amaranthus viridis</i> , <i>Cleome viscosa</i> , <i>Polygonum spp.</i>	0.5-1.0 kg	1-2 kg	500-700	-
Sugarcane	<i>Protulaca oleracea</i> , <i>Digitaria spp.</i> , <i>Boerhaavia diffusa</i> , <i>Euphorbia spp.</i> , <i>Tribulus terrestris</i>	0.50-2.00 kg	1.00- 4.00 kg	500-700	-
<b>Azimsulfuron 50% DF</b>					
Rice (Transplanted)	<i>Enchinochloa colonum</i> , <i>E. crusgalli</i> , <i>Cyperus spp.</i> , <i>Fimbristylis miliacea</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> , <i>Bergia capensis</i> , <i>Marsilea quadrifoliata</i> , <i>Ammania baccifera</i> , <i>Sphenoclea zeylanica</i>	35	70	300	59
Rice (Direct Seeded)	<i>Enchinochloa colonum</i> , <i>E. crusgalli</i> , <i>Cyperus spp.</i> , <i>Fimbristylis miliacea</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> , <i>Bergia capensis</i> , <i>Marsilea quadrifoliata</i> , <i>Ammania baccifera</i> , <i>Sphenoclea zeylanica</i>	35	70	300	59
<b>Bensulfuron Methyl 60% DF</b>					
Transplanted Rice Pre-emergence (3 DAT)	<i>Marsilea quadrifoliata</i> <i>Eclipta alba</i> , <i>Ammania baccifera</i> <i>Ludwigia parviflora</i> <i>Sphenoclea Zeylenica</i> , <i>Monochoria vaginalis</i> , <i>Alternanthera sessillis</i> <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i> , <i>Scirpus roylei</i>	60 gm	100 gm	300 ltrs	88 days

Transplanted Rice (post-em 20 DAT)	<i>Ammania baccifera</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Eclipta alba</i> <i>Fimbristylis miliacca</i> <i>Ludwigia parviflora</i> <i>Marsilea quadrifoliata</i> <i>Monochoria vaginalis</i> <i>Alternanthera sessilis</i> <i>Scirpus roylei</i> <i>Sphenoclea zeylenica</i>	60gm	100 gm	300 ltrs.	71
<b>Bentazone 480 g/l SL</b>					
Soybean  (Early POE: 2-3 leaf stage of weeds)	<i>Cyperus rotundus</i> <i>Achalipha indica</i> <i>Commelina bengalensis</i> <i>Echinochloa colanum</i> <i>Echinochloa crusgalli</i>	960	2000	500	62
Transplanted rice  (Early POE: 2-3 leaf stage of weeds)	<i>Cyperus rotundus</i> <i>Cyperus difformis</i> <i>Ludwigia</i> sps. <i>Eclipta alba</i> <i>Echinochloa colanum</i> <i>Echinochloa crusgalli</i>	960	2000	500	71
<b>Bispyribac sodium 2% + 2,4-D sodium salt 54.3% w/w SP</b>					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus iria</i> , <i>Ammania baccifera</i> , <i>Alternanthera</i> <i>philoxeroides</i> , <i>Ludwigia parviflora</i> , <i>Marsilea quadrifolia</i>	25.0 + 678.75	1250 + 625 ml surfactant	500	79
Direct Seeded Rice	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus iria</i> , <i>Ammania baccifera</i> , <i>Alternanthera</i> <i>philoxeroides</i> , <i>Ludwigia parviflora</i> , <i>Marsilea quadrifolia</i>	25.0 + 678.75	1250 + 625 ml surfactant	500	79
<b>Bispyribac Sodium 9.5% + Penoxsulam 7.8% w/v SC</b>					
Paddy (Transplanted rice)	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cynodon dactylon</i> , <i>Ludwigia parviflora</i> , <i>Ammania baccifera</i> ,	23.75 + 19.5	250	500	78

	<i>Eclipta alba,</i> <i>Sphenoclea zeylanica,</i> <i>Alternanthera philoxeroides,</i> <i>Monochoria vaginalis,</i> <i>Cyperus iria</i>				
<b>Bispyribac Sodium 10% SC</b>					
Rice (Nursary) (10-12 DAS)	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i>	20-25 gm	200 ml.	300 ltrs.	-
Rice (Transplanted) (10-14 DAP)	<i>Ischaemum rugosum</i> <i>Cyperus difformis,</i> <i>Cyperus iria</i>	20-25 gm	200-250 ml	300 ltrs.	78
Rice (Direct seeded) (10-15 DAS)	<i>Fimbristylis miliacea,</i> <i>Eclipta alba,</i> <i>Ludwigia parviflora,</i> <i>Monochoria vaginalis,</i> <i>Alternanthera philoxeroides</i> <i>Sphenoclea zeylanica</i>	20-25 gm	200-250 ml	300 ltrs.	78
<b>Butachlor 50% EC</b>					
Paddy (transplanted)	<i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Echinochloa crusgalli,</i> <i>Echinochloa colonum,</i> <i>Eleusine indica,</i> <i>Eclipta alba,</i> <i>Fimbristylis miliacea,</i> <i>Ludwigia parviflora,</i> <i>Sphenoclea zeylanica</i>	1.25-2.00kg	2.5-4 ltrs	250-500	90-120
<b>Butachlor 5% GR</b>					
<b>Transplanted Rice</b>	<i>Echinochloa Crusagalli</i> <i>Digitaria sanguinalis</i> <i>Setaria spp.,</i> <i>Commelina benghalensis,</i> <i>Fimbristylis milliacea,</i> <i>Cyperus iria,</i> <i>Eleusine indica,</i> <i>Panicum spp.,</i> <i>Echinochloa Colonum,</i> <i>Eclipta alba,</i> <i>Cyperus Defformis,</i> <i>ludwigia paviflora.</i>	1.25 -1.87 Kg	25.00 – 37.50 Kg	-	90 – 105
<b>Butachlor 50 % EW</b>					

Transplanted Rice	<i>Echinochloa colonum</i> <i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Eclipta alba</i> , <i>Fimbristylis miliacea</i> <i>Ludwigia parviflora</i> , <i>Sphenoclea zeylanica</i> <i>Monochoria vaginalis</i>	1.25-1.5 Kg	2.5-3.0	2.50-500	-
<b>Carfentrazone ethyl 40% DF</b>					
Wheat (25-35 DAS)	<i>Chenopodium album</i> , <i>Melilotus Indica</i> , <i>Melilotus alba</i> , <i>Medicago denticulata</i> , <i>Lathyrus aphaca</i> , <i>Anagallis arvensis</i> , <i>Vicia sativa</i> , <i>Cirsium arvense</i> , <i>Rumex sp</i> , <i>Malva sp.</i>	20gm	50 gm.	400	80
Direct seeded Rice (10-15 DAS)	<i>Ludwigia parviflora</i> <i>Digera arevensis</i> <i>Phyllanthus niruri</i> <i>Spilanthus sp</i> , <i>Eclipta alba</i> <i>Cyperus sp.</i>	25	62.50	300	102
<b>Chlorimuron Ethyl 25% WP + Surfactant</b>					
Soybean (3-15DAS)	<i>Cyperus rotundus</i> <i>Commelina benghalensis</i> <i>Celosia argentea</i> <i>Digera arvensis</i> <i>Cucumis trigonus</i> <i>Cyperus iria</i> , <i>Parthenium hysterophorus</i> , <i>Acalypha indica</i> , <i>Phyllanthus niruri</i> , <i>Trianthema portulacashurm</i> , <i>Caesulia auxillaris</i>	9 gm	36 gm.	300 ltrs. + non ionic surfactant 0.2 % (Iso-octyl phenoxy - poloxethanol 12.5 %)	45
Rice (transplanted) (5-10 DAT)	<i>Echinochloa crusgalli</i> , <i>Eclipta alba</i> , <i>Commelina benghalensis</i> , <i>Chenopodium album</i> , <i>Cyperus rotundus</i> , <i>Echinochloa colonum</i>	6gm	24 gm.	500-600	60

<b>Cinmethylin 10% EC</b>					
Transplanted Rice	<i>Cyperus iria</i> <i>Fimbristylis milacea</i> <i>Monochoria vaginalis</i> <i>Commelina Benghalensis</i> <i>Echinochloa crusgalli</i> <i>Marsilea minuta</i>	75-100 gm	0.75-1.0 ltrs.	500-700	110
<b>Clodinafop-Propargyl 12.25% + Oxyfluorfen14.7% EC</b>					
Onion	<i>Echinochloa colona</i> , <i>Dinebra arabica</i> , <i>Digitaria sanguinalis</i> , <i>Chenopodium album</i> , <i>Amaranthus viridis</i> , <i>Cyperus rotundus</i>	125 + 150	1000	500	55
<b>Clodinafop-propargyl 12.5% EC</b>					
Green gram	<i>Goosegrass (Eleusine indica)</i> , <i>Large crab grass (Digitaria sanguinalis)</i> , <i>Jungle rice (Echinochloa colona)</i> , <i>Crow foot grass (Dactyloctenium aegyptium)</i> , <i>Bermuda grass (Cynodon dactylon)</i> , <i>Running grass (Brachiaria reptans)</i>	125	1000	500	75
<b>Clodinafop- propargyl 15%WP</b>					
Wheat	<i>Phalaris minor</i> (Canary grass)	60gm	400 gm.	375-400	110
<b>Clodinafop- propargyl 15% w/w DF</b>					
Wheat	<i>Phalaris minor</i> (Canary grass)	60 gm	400	500	70
<b>Clethodim 25% EC</b>					
Soybean	<i>Grasses (Echinochloa spp, Digitaria spp and Cynodon dactylon)</i>	120-180	500-700 ml	500	62
<b>Clomazone 50%EC</b>					
Soybean	<i>Digitaria sp.</i> <i>Echinochloa sp.</i> <i>Parthenium hysterophorus</i> <i>Commelina sp.</i>	0.75-1.00Kg	1.5-2.0 Ltrs.	500-600	90

Transplanted Rice	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i>	0.4 – 0.5kg	0.8-1.0 ltr	500-750	90
Sugarcane	<i>Enchinochloa colonum</i> <i>Brachiaria repens</i> <i>Dactyloctenium aegyptium</i> <i>Trianthema portulacastrum</i>	0.75-1.00 kg a.i./ha	1.5-2.0 ltr/ha	500 Lit	296
<b>Cyhalofop Butyl 10% EC</b>					
Rice (Direct seeded)	<i>(Echinochloa spp.)</i> <i>Barnyard grass</i>	75-80 gm	0.75- 0.80ltr	500-600	90
<b>2,4-D Dimethyl Amine salt 58% SL</b>					
Maize	<i>Trianthema monogyna</i> , <i>Amaranthus sp.</i> , <i>Tribulus terrestris</i> , <i>Boerhaavia diffusa</i> , <i>Euphorbia hirta</i> , <i>Portulaca oleracea</i> , <i>Cyperus sp.</i>	0.5 kg	0.86	400-500	50-60
Wheat	<i>Chenopodium album</i> , <i>Fumaria parviflora</i> , <i>Melilotus alba</i> , <i>Vicia sativa</i> , <i>Asphodelus tenuifolius</i> , <i>Convolvulus arvensis</i> ,	0.5-0.75 kg	0.86-1.29	500-600	-
Sorghum	<i>Cyperus iria</i> , <i>Digera arvensis</i> , <i>Convolvulus arvensis</i> , <i>Trianthema sp.</i> , <i>Tridax procumbens</i> , <i>Euphorbia hirta</i> , <i>Phyllanthus niruri</i> .	1.8 kg	3.1	500-600	-
Potato	<i>Chenopodium album</i> , <i>Asphodelus tenuifolius</i> , <i>Anagalis arvensis</i> , <i>Convolvulus arvensis</i> , <i>Cyperus iria</i> , <i>Portulaca oleracea</i>	2.0 kg	3.44	400	-



Sugarcane	<i>Cyperus iria</i> <i>Digitaria spp.</i> <i>Dactylactenium aegyptium</i> <i>Digera arvensis</i> <i>Portulaca oleracea</i> <i>Commelina benghalensis</i> <i>Convolvulus arvensis</i>	3.5	6.3	500	-
Aquatic Weeds Non crop area	<i>Eichhornia crassipes</i> , <i>Parthenium hysterophorus</i> , <i>Cyperus rotundus</i>	0.5-1.0 kg	0.86-1.72	600-700	15-20
		2.65 kg	4.56	300-400	15-20
		2.5 kg	4.30	300-400	-
<b>2,4-D Sodium salt Technical</b> <b>(having 2,4-D acid 80 % w/w)</b> <b>(Earlier Registered as 80%WP)</b>					
Citrus	<i>Euphorbia spp.</i> <i>Convolvulus arvensis</i> <i>Coronopus didymus</i> <i>Amaranthus viridis</i> <i>Oxalis corniculata</i> <i>Tribulus terrestris</i> <i>Fumaria parviflora</i> <i>Sonchus arvensis</i>	1.00-2.5 kg	1.25-3.2 kg	600	>6 months
Grapes	<i>Convolvulus spp.</i> <i>Tridax procumbens</i>	2.0	2.5	500	> 90 days
Maize	<i>Amaranthus viridis</i> , <i>Trianthema portulacastrum</i> <i>Phyllanthus niruri</i> , <i>Euphobia geniculata</i> , <i>Amaranthus spinosus</i> . <i>Cleome chelidonii</i> , <i>Lagasca mollis</i>	1.0 kg	1.25	500	120(Pre-em) 90(post-em)
Sugarcane	<i>Boerhaavia diffusa</i> <i>Chenopodium album</i> <i>Tribulus terrestris</i> <i>Portulaca oleracea</i> <i>Xanthium spp.</i> <i>Convolvulus arvensis</i> <i>Amaranthus spinosus</i> <i>Digera arvensis</i> <i>Celosia argentina</i> .	2.0-2.6	2.5-3.25	600-900	300
Wheat	<i>Leucas aspera</i> , <i>Chenopodium album</i> , <i>Vicia sativa</i> , <i>Argemone maxicana</i> , <i>Fimbristylis miliacea</i> , <i>Anagalis arvensis</i> , <i>Amaranthus spinosus</i> .	0.5-0.84 kg.	0.625-1.0	500	90

Aquatic Weeds	<i>Boerhaavia hispada</i> , <i>Eichhornia crassipes</i> .	1.5 kg	1.85.	600-1000	-
Non crop land	<i>Parthenium hysterophorus</i> , <i>Cyperus rotundus</i> , <i>Solanum elaeagnifolium</i>	2.5-6.0 kg.	3.2-7.5	600-1000	-
		4-8 Kg	5-10	500-600	-
		1.8 kg	2.25	500-600	-
2,4-D Ethyl Ester 38 % EC (having 2,4-D acid 34 % w/w)					
Maize	<i>Trianthema monogyna</i> , <i>Amaranthus sp.</i> , <i>Portulaca oleracea.</i> , <i>Tribulus terrestris</i> , <i>Boerhaavia diffusa</i> , <i>Euphorbia hirta</i> , <i>Cyperus sp.</i>	0.9 kg	2.65 ltr	400-450	50-60
Sorghum	<i>Cyperus iria</i> , <i>Striga sp.</i> <i>Digera arvensis</i> , <i>Convolvulus arvensis</i> , <i>Trianthema sp.</i> , <i>Tridax procumbens</i> , <i>Euphorbia hirta</i> , <i>Phyllanthus niruri</i>	1.0 kg	2.94	425	-
Transplanted Paddy	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i>	0.85 kg	2.5	400	-
Wheat	<i>Chenopodium album</i> , <i>Asphodelus tenuifolius</i> , <i>Fumaria parviflora</i> , <i>Melilotus alba</i> , <i>Spergula arvensis</i>	0.45-0.75 kg	1.32-2.2	450-500	-
Sugarcane	<i>Cyperus iria</i> , <i>Digitaria sp.</i> , <i>Dactyloctenium aegyptium</i> , <i>Digera arevensis</i> , <i>Portuluca oleeracea</i> , <i>Commelina benghalensis</i> , <i>amaranthus sp.</i> , <i>Convolvulus arvensis</i>	1.2 to 1.8	3.53- 5.29	500	300-330
Aquatic Weeds	<i>Eichhornia crassipes</i>	2.5 kg	7.5	700-1000	-
2,4-D Ethyl Ester 20 % WP					
Maize	<i>Trianthema sp.</i> <i>Euphorbia hirta</i> <i>Cyperus sp.</i>	0.9	5.0	625	-
Sorghum	<i>Convolvullas arvensis</i>				
Wheat	<i>Chenopodium slbum</i>				

	<i>Malilots alba</i>				
Paddy	<i>Echinochloa colonum</i> <i>Echinochloa crusgalli</i>				
<b>2,4-D Ethyl Ester 4.5 % GR (having 2,4-D acid 4 % w/w)</b>					
Transplanted Rice	<i>Echinochloa Colonum</i> <i>E. Crusgalli</i> <i>Panium ischaemum</i> <i>Cynodon dactylon</i> (germinating) <i>Cyperus rotundus</i> (germinating) <i>Cyperus iria</i> <i>C. difformis</i> <i>Ludwigia parviflora</i> <i>Monochoria Vaginalis</i> <i>Marsilea quadrifoliata</i> <i>Cyanotis cucutata</i> <i>Eclipta alba</i> <i>Ammania baccifera</i>	1.0 kg	25 kg	-	-
<b>2,4-D Sodium Salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG</b>					
Sugarcane	<i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Commelina benghalensis</i> , <i>Cyperus iria</i> , <i>Parthenium hysterophorus</i> , <i>Physalis minima</i>	2020	2500	500	315
<b>2,4-D Sodium Salt 50% (w/w) + Metribuzin 15% (w/w) WP</b>					
Wheat	<i>Amaranthus spinosus</i> , <i>Chenopodium album</i> , <i>Rumex dentatus</i> , <i>Phalaris minor</i> , <i>Melilotus alba</i>	400 + 120 (520 gm)	800 gm	500	120
<b>Dicamba 48% w/v SL</b>					
Maize	<i>Trianthema portulacastrum</i>	360	750	500	69
Wheat	<i>Chenopodium album</i>	240	500	500	91
<b>Diclofop Methyl 28% EC</b>					
Wheat	<i>Avena fatua</i> , <i>Phalaris minor</i>	0.7-1.0 kg	2.5-3.5 ltr	500	90
<b>Diuron 25.6% w/w + Glyphosate 14.4% w/w + Oxyfluorfen 11.5% w/w SC</b>					

Non-crop area	<i>Cyperus rotundus</i> , <i>Digitaria sanguinalis</i> , <i>Cynodon dactylon</i> , <i>Eleusine indica</i> , <i>Parthenium hysterophorus</i> , <i>Abutilon indicum</i> , <i>Ageratum conyzoides</i>	431.25 + 960 + 540	3750	500	-
<b>Diuron 80% WP</b>					
Cotton	<i>Amaranthus spp</i> , <i>Chenopodium album</i> , <i>Convolvulus arvensis</i> <i>Setaria glauca</i> , <i>Digitaria sp</i> , <i>Portulaca oleracea</i> , <i>Xanthium strumarium</i> , <i>Anagallis arvensis</i> , <i>Asphodelus tenuifolius</i> , <i>Euphorbia sp</i> , <i>Visia sativa</i> <i>Paspalum conjugatum</i> ,	0.75-1.5 kg	1-2.2Kg.	625	-
Banana	<i>Cyperus iria</i> , <i>Commelina benghalensis</i> , <i>Digitaria sp.</i> , <i>Amaranthus spp</i> , <i>Dactyloctenium</i> , <i>Chloris barbata</i> , <i>Eragrostis zeylanica</i>	1.60 kg	2 kg.	625	-
Rubber	Grasses & Non grasses	1.6-3.2 kg	2-4kg.	625	-
Maize	<i>Cyperus iria</i> , <i>Echinochloa spp</i> , <i>Digitaria spp</i> , <i>Chenopodium album</i> , <i>Eleusine sp</i> , <i>Amaranthus sp</i> , <i>Phyllanthus niruri</i>	0.8 kg	500.30 kg.	600	-
Citrus (sweet orange)	<i>Cyperus iria</i> , <i>Tribulus Terrestris</i> , <i>Digera arvensis</i> , <i>Commelina nudiflora</i> , <i>Cocumis trigonus</i> .	2-4.0kg	2.5-5.0kg	600	-
Sugarcane	<i>Cyperus iria</i> , <i>Portulaca racea</i> , <i>Echinochloa ruscagalli</i> , <i>Cynotis spp</i> , <i>Amaranthus spp</i> , <i>Convolvulus Spp.</i> , <i>Digitaria spp</i> .	1.6-3.2kg	2.0-4.0 kg.	600	-
Grapes	<i>Cleome viscosa</i> ,	1.6kg	2.0 kg.	625	-

	<i>Chenopodium album</i> , <i>Cyperus iria</i> , <i>Euphorbia hirta</i> , <i>Alternanthera echinata</i> , <i>Amaranthus spp</i> , <i>Argemone maxicana</i> , <i>Ipomoea spp</i> , <i>Xanthium strumerium</i> , <i>Fumeria parviflora</i> , <i>Asphodelus tenuifolius</i> , <i>Medicago denticulata</i> , <i>Eleusine aegyptia</i> .				
<b>Diclosulam 84% WDG</b>					
Soybean	<i>Cyperus spp</i> , <i>Commilena benghalensis</i> , <i>Euphorbia geniculata</i> , <i>Digera arvensis</i> , <i>Acylipha spp</i> , <i>Echinochloa colona</i>	22-26 g	26.2-30.9  Time of application 0-3 DAS	500	60
Groundnut	<i>Amaranthus viridis</i> , <i>Parthenium hysterophorus</i> , <i>Trianthema sp.</i> , <i>Euphorbia enticulata</i> , <i>Cyperus spp.</i> , <i>Echinochloa colona</i>	22-26 g	26.2-30.9	-	77
<b>Ethoxysulfuron 15% WDG</b>					
Transplanted Rice	<i>Fimbristylis miliacea</i> <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Scirpus sp.</i> , <i>Eclipta alba</i> , <i>Marsilea quadrifoliata</i> , <i>Ammania baccifera</i> , <i>Monochoria vaginalis</i>	12.5-15 g	83.3-100gm	500	110
<b>Fenoxaprop-p-ethyl 9% w/w DF</b>					
<b>Transplanted Paddy</b>	<i>Echinochloa crusgalli</i> (barnyard grass), <i>Echinochloa colona</i> (jungle rice)	56.25 g	625	500	65
<b>Fenoxaprop-p-ethyl 9.3% w/w EC (9% w/v)</b>					

Soybean	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Digitaria sp</i> , <i>Eleusine indica</i> , <i>Setaria sp</i> , <i>Brachiaria sp</i> .	100 g	1111 ml. (15-20 DAS)	250-300	100
Rice (enticulate)	<i>Echinochloa crusgalli</i> , <i>Echinochloa colona</i>	56.25 g	625 ml. (10-15 DAT)	300-375	70
Blackgram	<i>Echinochloa crusgalli</i> , <i>Echinochloa colona</i> <i>Digitaria sp</i> . <i>Dactyloctenium</i> <i>Aegyptium</i>	56.25-67.5 g	625-750ml. (15-20 DAS)	375-500	43
Cotton	<i>Echinochloa sp</i> . <i>Eleusine indica</i> <i>Dactyloctenium</i> <i>Aegyptium</i> <i>Eragrostis minor</i>	67.5 g	750ml. (20 -25 DAS)	375-500	87
Onion	<i>Echinochloa colonum</i> <i>Dactyloctenium aegyptium</i>	78.75	875	375	10
Groundnut	<i>Echinochloa sp</i> .	78.75	875	375	89
<b>Fenoxaprop-p-ethyl 10% EC</b>					
Wheat	<i>Phalaris minor</i>	100-120 g	1.0-1.20 kg	250-300	110
<b>Fenoxaprop-p-ethyl 6.7% w/w EC</b>					
Rice (Transplanted & Direct Seeded)	<i>Echinochloa sp</i> .	56.6-60.38 g	812.5-875	375-500	61
<b>Florpyrauxifen-benzyl 2.7% w/w EC</b>					
Transplanted Rice	<i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Ammania baccifera</i>	25-31.25	1000-1250	300-500	73
Direct seeded rice	<i>Echinochloa crusgalli</i> , <i>Echinochloa colona</i> , <i>Cyperus difformis</i> <i>Cyperus iria</i> , <i>Eclipta alba</i>	31.25-37.5	1250-1500	300-500	85
<b>Fluazifop-p-butyl 13.4% EC</b>					

Soybean	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Eleusine indica</i> , <i>Cyanodon dactylon</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria sp.</i> , <i>Setaria sp.</i>	125-250 g	1000-2000	500	90
Cotton	<i>Echinochloa colonum</i> , <i>Digitaria longiflora</i> , <i>Eleusine indica</i> , <i>Dactyloctenium aegyptium</i> , <i>Bracharia reptans</i> , <i>Dinebra arabica</i>	167	1250	500	104
Groundnut	<i>Echinochloa colonum</i> , <i>Digitaria longiflora</i> , <i>Eleusine indica</i> , <i>Dactyloctenium aegyptium</i> , <i>Bracharia reptans</i> , <i>Chloris barbata</i> , <i>Aeluropus villosus</i> , <i>Indigofera glandulosa</i>	167	1250	500	59
<b>Flucetosulfuron 10% WG</b>					
Rice (Transplanted)	<i>Echinochloa colonum</i> <i>Echinochloa crusgalli</i> <i>Digitaria sanguinalis</i> <i>Paspalum discichum</i> <i>Paspalum scrobiculatum</i> <i>Leersia hexandra</i> <i>Panicum repens</i> <i>Setaria glauca</i> <i>Dinebra retroflexa</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Fimbristylis miliacea</i> <i>Alternanthera philoxeroides</i> <i>Alternanthera enticul</i> <i>Marsilea quadrifolia</i> <i>Ammania baccifera</i> <i>Eclipta alba</i> <i>Eclipta prostrate</i> <i>Monochoria vaginalis</i> <i>Lindernia ciliate</i> <i>Ludwigia parviflora</i> <i>Sphenoclea zeylanica</i> <i>Commelina diffusa</i> <i>Cyanotis axillaris</i>	25	250	500	90

<b>Fluchloralin 45% EC</b>					
Cotton	<i>Acanthospermum hispidum</i> , <i>Cleome enticu</i> , <i>Datura sp.</i> <i>Trianthema monogyna</i> <i>Tridax procumbens</i> , <i>Cynodon dactylon</i> (germinating) <i>Amaranthus spp.</i> , <i>Portulaca spp</i> , <i>Achyranthus aspera</i> , <i>Euphorbia hirta</i> , <i>Cenchrus catharticus</i> , <i>Digitaria sanguinalis</i> , <i>Eleusine sp</i> , <i>Panicum sp</i> , <i>Lagasca mollis</i> , <i>Gynandropsis pentaphylla</i> , <i>Achalypha indica</i>	0.9-1.2kg	2.0-2.68 ltrs.	500-800	180
Soybean	<i>Eragrostis sp.</i> , <i>Boerhaavia hispada</i> , <i>Cyperus compestris</i> ,	1.0-1.5 kg	2.22-3.33	500-800	120-150
<b>Flufenacet 60% DF</b>					
Paddy (Transplanted)	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus iria</i>	120 g	200 gm	500	90-110
<b>Flumioxazin 50% SC</b>					
Soybean	<i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Euphorbia spp.</i> , <i>Phyllanthus niruri</i> , <i>Echinochloa crusgalli</i>	125 g.a.i/ha	250ml/ha	500	110
Wheat	<i>Runnax spp.</i> , <i>Medicago denticulate</i> , <i>Coronopus didymus</i> , <i>Chenopodium album</i> , <i>Phalaris minor</i> , <i>Avena fatua</i>	125 g.a.i/ha	250 ml/ha	500	137
<b>Fluroxypyr meptyl 48% w/v (45.5% w/w) EC</b>					
Onion	<i>Amaranthus viridis</i> <i>Anagalis arvensis</i> <i>Chenopodium album</i> <i>Euphorbia spp.</i> <i>Parthenium hysterophorus</i> <i>Physalis minima</i>	324 to 360	675 to 750 ml/ha		71 days



	<i>Trianthema spp.</i>				
<b>Fluthiacet Methyl 10.3% EC</b>					
Soybean	<i>Commelina sp,</i> <i>Digeru arvensis,</i> <i>Acalypha indica,</i> <i>Amaranlhus viridis.</i>	13.6	125	500	73
<b>Glufosinate Ammonium 13.5% SL (15% w/v)</b>					
Tea	<i>Panicum repens,</i> <i>Borreria hispida,</i> <i>Imperata cylindrical,</i> <i>Digitaria sanguinalis,</i> <i>Commelina benghalensis,</i> <i>Ageratum conyzoides,</i> <i>Eleusine indica,</i> <i>Paspalum conjugatum</i>	375-500 g	2.5-3.3	375-500	15
Cotton	<i>Echinochloa sp.</i> <i>Cynodon dactylon</i> <i>Cyperus rotundus</i> <i>Digitaria marginata</i> <i>Dactyloctenium</i> <i>aegyptium</i>	375-450 g	2.5-3.0	500	96
<b>Glufosinate ammonium 14.3 % + Glyphosate (Isopropyl Ammonium) 18.04 % SL</b>					

Non-crop area	Grassy weeds: <i>Axonopus compressus</i> (Carpet grass) <i>Digitaria sanguinalis</i> (Hairy crab grass), <i>Elusine indica</i> (Indian goosegrass), Broad Leaf weeds: <i>Parthenium hysterophorus</i> (Congress grass), <i>Ageratum conyzoides</i> (Goat weed), <i>Bidens pilosa</i> (Hairy beggarticks), <i>Cassia tora</i> (coffee pod), <i>Phyllanthus niruri</i> (gale of the wind), <i>Commelina benghalensis</i> (Benghal dayflower), <i>Borreria hispida</i> (Shaggy button weed)	400 + 505	2500	500	-
<b>Glufosinate ammonium 50 % WG</b>					
Non-crop area	<i>Digitaria sanguinalis</i> , <i>Dactyloctenium</i> <i>aegyptium</i> , <i>Eleusine indica</i> , <i>Echinochloa colonum</i> , <i>Cynodon dactylon</i> , <i>Parthenium</i> <i>hysterophorus</i> , <i>Phyllanthus niruri</i> , <i>Euphorbia hirta</i> , <i>Ageratum conyzoides</i> , <i>Cyperus rotundus</i>	500	1000	500	-
<b>Glyphosate 20.2% SL IPA salt</b>					

Non Crop area	<i>Phyllanthus niruri</i> , <i>Ageratum conyzoides</i> , <i>Parthenium hysterophorus</i> , <i>Sorghum halepense</i> , <i>Amaranthus spinosus</i> , <i>Alternanthera enticul</i> , <i>Cynodon dactylon</i> , <i>Cyperus rotundus</i> , <i>Echinochloa colonum</i> , <i>Trianthema portalucastrum</i>	0.82-1.23 kg	4.1-6.15	400-500	N/A
<b>Glyphosate Ammonium salt 20 % SL</b>					
Non Crop area	<i>Cynodon dactylon</i> <i>Commelina benghalensis</i> <i>Panicum spp.</i> <i>Dactyloctenium aegyptium</i> <i>Eragrostis major</i> <i>Poa annua</i> <i>Cyperus rotundus</i> <i>Parthenium</i> <i>hysterophorous</i> <i>Acalypha indica</i> <i>Digeria arvensis</i> <i>Phyllanthus niruri</i> <i>Euphorbia enticulat</i> <i>Corchorus actangularis</i> <i>Saccharum spontanium</i> <i>Eleusine indica</i> <i>Imperata cylindrical</i> <i>Ageratum conyzoides</i>	4.52-6.79g a.i./litre	20-30ml/lit	300-600	-
<b>Glyphosate 41% SL IPA Salt</b>					
Non-cropped area	Sorghum halepense and other dicot & monocot weeds in general	0.820-1.230 kg	2.0-3.0	500	-
Tea	<i>Arundinella bengalensis</i> <i>Axonopus compressus</i> <i>Cynodon dactylon</i> <i>Imperata cylindrical</i> <i>Kalm grass</i> <i>Paspalum scrobiculatum</i> <i>Polygonum perfoliatum</i>	0.820-1.230 kg	2.0-3.0	450	21
<b>Glyphosate 54% SL (IPA Salt)</b>					

Non Crop Area	<i>Ageratum conyzoides</i> <i>Alternanthera enticul</i> <i>Commilina spp</i> <i>Cyperus spp</i> <i>Echinochloa sp.</i> <i>Eclipta alba</i> <i>Iscaemum rogosum</i> <i>Setaria spp</i>	1.8 kg	3.33 ltrs.	400-500	-
<b>Glyphosate Ammonium Salt 5% SL</b>					
Tea	<i>Ageratum conyzoides</i> <i>Biden pilosa</i> <i>Boreria latifolia</i> <i>Cynodon dactylon</i> <i>Cyperus rotundus</i> <i>Digitaria sanguinalis</i> <i>Euphorbia spp.</i> <i>Imperata cylendrica</i> <i>Paspalum conjugatum</i>	1.5 kg.	30 ltrs.	500	7 days
Non Crop area	<i>Cynodon dactylon</i> <i>Cyprus rotundus</i> <i>Digera arvensis</i> <i>Digitaria sanguinalis</i> <i>Eragrostis minor</i> <i>Euphorbia spp.</i> <i>Parthenium hysterophorus</i> <i>Tribulus terrestris</i> <i>Xanthium stremerium</i>	2 kg.	40 ltrs.	500	-
<b>Glyphosate 71% SG (Ammonium Salt)</b>					
Tea & Non Crop area	<i>Acalypha indica</i> <i>Ageratum conyzoides</i> <i>Cychorium intybus</i> <i>Digera arvensis</i> <i>Cynondon dactylon</i> <i>Cyperus rotunedus</i> <i>Digitaria sanguinalis</i> <i>Eragrostis spp.</i> <i>Ipomea digitarea</i> <i>Paspalum conjugatum</i> <i>Sida aculata</i>	2.13 kg	3.0 kg.	500	7
<b>Glyphosate Potassium Salt 41.60 % w/w SL (Equivalent to 54% w/v )</b>					

Non cropped area	<i>Digitaria sanguinalis</i> (Crabgrass), <i>Cytodon dactylon</i> (Bermuda grass), <i>Digera arvensis</i> , <i>Sorghum haiepense</i> (Johnson gass), <i>Amaranthus spinosus</i> (Pigweed)	2160- 2430	4000-4500	500	-
<b>Halosulfuron methyl 6% + Metribuzin 50% WG</b>					
Sugarcane	<i>Echinochloa spp.</i> , <i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Brachiaria ramose</i> , <i>Parthenium hysterophorus</i> , <i>Celosia argentic</i> , <i>Alternanthera spp.</i>	67.5 + 562.5	1125	375	247
<b>Halosulfuron Methyl 75% WG</b>					
Sugarcane	<i>Cyperus rotundus</i>	60-67.5	80-90	375	294
Maize	<i>Cyperus rotundus</i> <i>Cyperus iria</i>	67.5	90	375	45
Bottle gourd	<i>Cyperus rotundus</i> <i>Cyperus iria</i>	67.5	90	375	46
<b>Haloxypol R Methyl 10.5% w/w EC</b>					
Soybean	<i>Brachiaria sp.</i> <i>Digitaria sanguinalis</i> <i>Dinebra enticu</i> <i>Echinochloa sp.</i> <i>Eleusine indica</i> <i>Eragrostis sp.</i> <i>Panicum isochmi</i>	108-135	1000-1250	500	60
<b>Imazethapyr 10% SL</b>					
Groundnut	<i>Cyperus difformis</i> <i>Commelina benghalensis</i> , <i>Trianthema portulacastrum</i> , <i>Eragrostis pilosa</i>	100-150 g	1.0-1.5 ltrs.	500-700	90

Soybean	<i>Cyperus difformis</i> <i>Echinochloa colonum</i> <i>E. crusgalli</i> <i>Euphorbia hirta</i> <i>Croton sperrisfeorus</i> , <i>Digera arvensis</i> , <i>Commelina</i> <i>Benghalensis</i>	100 g	1.0 Ltr.	500-600	75
<b>Imazethapyr 10% SL + Surfactant</b>					
Soybean (1-2 Leaf stage of weeds or 7-14 days after sowing)	<i>Echinochloa colonum</i> <i>Brachiaria mutica</i> , <i>Euphorbia hirta</i> <i>Commelina benghalensis</i> <i>Dinebra enticu</i> , <i>Digitaria spp.</i> ,	75-100gm+ MSO adjuvant @ 2ml/l of water	750-1000 ml+ MSO adjuvant @ 2ml/l of water	375	72
Groundnut (1-2 Leaf stage of weeds or 7-14 days after sowing)	<i>Echinochloa colonum</i> <i>Euphorbia hirta</i> <i>Commelina benghalensis</i> <i>Digera arvensis</i> , <i>Amaranthus viridis</i> , <i>Physalis minima</i> .	100-150 gm+ MSO adjuvant @ 2ml/l of water	1000-1500 ml+ MSO adjuvant @ 2ml/l of water	375	102
Black gram	<i>Brachiaria eruciformis</i> <i>Amaranthus viridis</i> <i>Euphorbia hirta</i> <i>Commelina benghalensis</i>	75 ga.i.lha+ MSO adjuvant @2 ml/litre of water	750 ml+MSO adjuvant @ 2ml/ha of water.	375	56
Green gram	<i>Amaranthus viridis</i> <i>Trianthema portulacastrum</i> <i>Euphorbia hirta</i>	75 ga.i.lha+ MSO adjuvant @2 ml/litre of water	750 ml+MSO adjuvant @ 2ml/ha of water.	375	46
Red gram	<i>Digitaria sanguinalis</i> <i>Dinemra relroflexa</i>	75 ga.i.lha+ MSO adjuvant @2 ml/litre of water	750 ml+MSO adjuvant @ 2ml/ha of water.	375	125
<b>Imazethapyr 70% WG + Surfactant</b>					

Soybean (2-3 leaf stage of weeds)	<i>Cyperus rotundus</i> <i>Echinochloa spp.</i> <i>Dinebra enticu</i> <i>Digera spp.</i> , <i>Brachiaria mutica</i> , <i>Commelina benghalensis</i> <i>Commelina communis</i> <i>Euphorbia enticulat</i> <i>Cyanotis axiallaris</i>	70 g/ha + Surfactant (Cyspread) @ 1.5ml/ Litre + Ammonium Sulphate @ 2 g/lit of Water	100 g/ha + Surfactant (Cyspread) @ 1.5ml/Litre+ Ammonium Sulphate @ 2 g/lit of Water	500	56
<b>Isoproturon 50% WP</b>					
Wheat	<i>Phalaris minor</i> <i>Avena fatua</i> <i>Poa annua</i>	1.0 kg	2.0	750	-
<b>Isoproturon 75% WP</b>					
Wheat	<i>Phalaris minor</i> <i>Avena fatua</i> <i>Poa annua</i>	1.0 kg	1.33 kg.	750	60 days
<b>MCPA, Amine salt 40% WSC</b>					
Transplanted Rice	<i>Cyperus rotundus</i> <i>Impmoea reptans</i> <i>Ammania baccifera</i> <i>Lippia nodiflora</i> <i>Alternanthera sp.</i> <i>Ludwigia parviflora</i> <i>Marsilea quadrifoliata</i>	0.8-2.0 kg	2-5	400-600	
Wheat	<i>Chenopodium album</i> , <i>Asphodelus tenuifolius</i> <i>Fumaria parviflora</i> <i>Carthamus oxyacantha</i> <i>Launea sp.</i> , <i>Pluchia lanceolata</i> , <i>Melilotus indica</i> , <i>Vicia enticu</i> , <i>Lathyrus aphaca</i> , <i>Medicago enticulate</i> , <i>M. lupulina</i> , <i>Spergula arvensis</i> , <i>Argemone maxicana</i> , <i>Phyllathus niruri</i> .	1.0 kg	2.5	300-600	
<b>Metamifop 10% EC</b>					

Direct seeded Rice	<i>Barnyard grass (Echinochloa spp), Sacchialepis Dactyloctenium, Digiteria, panicum</i>	100 g	1000 ml	350	87
<b>Metamitron 70% SC</b>					
Sugarbeet	<b><u>Sedges &amp; Grasses</u></b> <i>Cynodon dactylon</i> <i>Cyperus rotundus</i> <i>Dactyloctenium aegyptium</i> <b><u>Broad Leaves</u></b> <i>Convolvulus arvensis</i> <i>Chenopodium album</i> <i>Parthenium hysterophorus</i> <i>Digera arvensis</i>	a) 2-3 leaf stage of weed – 0.7 kg a.i/ha, b) 4-6 leaf stage of weed – 1.4 kg a.i/ha, c) 8-10 leaf stage of weed – 1.4 kg a.i/ha	a)2-3 leaf stage of weed – 1kg/ha, b) 4-6 leaf stage of weed – 2 kg/ha, c) 8-10 leaf stage of weed – 2 kg/ha	500	90
<b>Methabenzthiazuron 70% WP</b>					
Wheat (PE –2DAS)	<i>Phalaris minor,</i> <i>Avena fatua,</i> <i>Avena ludoviciana,</i> <i>Poa annua,</i>	1.05-1.4 kg	1.5-2.0 kg.	700-1000	100
Wheat (Post –EM 30 DAS)	<i>Polypogon monspiliensis,</i> <i>Anagallis arvensis,</i> <i>Chenopodium album</i>	1.05-1.75 kg	2.0-2.5 kg.	700-1000	100
Wheat (Early POE.16-18 DAS)	<i>Phalaris minor,</i> <i>Avena fatua,</i> <i>Avena ludoviciana,</i> <i>Chenopodium album</i>	0.7-0.87 kg	1.0-1.25 kg.	700-1000	100
<b>Metolachlor 50% EC</b>					
Soybean	<i>Echinochloa colonum</i> <i>Eleusine indica</i> <i>Digitaria sp.</i> <i>Dactyloctenium aegyptium</i> <i>Panicum sp.</i> <i>Cyperus sp.</i> <i>Amaranthus viridis</i>	1.0 kg	2.0 ltrs.	600-750	-
<b>Metribuzin 70% WP</b>					



Soybean	<i>Digitaria spp.</i> <i>Cyperus esculentus</i> <i>Cyperus campestris</i> <i>Borreria spp.</i> <i>Eragrostis spp.</i>	0.35-0.525 kg	0.5-0.75kg.	750-1000	30
Wheat	<i>Phalaris minor</i> <i>Chenopodium album</i> <i>Melilotus spp.</i>	Medium soil-0.175 kg  Heavy soil - 0.21 kg	0.25 kg  0.30 kg	500-750	120
Sugarcane	<i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Astodelus fistulosus</i> , <i>Chenopodium album</i> , <i>Convolvulus arvensis</i> , <i>Portulaca oleracea</i> , <i>Anagallis arvensis</i> , <i>Cichorium intybus</i> , <i>Echinochloa colonum</i> , <i>Dactyloctenium aegyptium</i> , <i>Parthenium hysterophorus</i> , <i>Commelina spp.</i>	Post-emergence, 25-30 DAP  Or  Pre-emergence At first workable spray condition or 3-5 DAP	1.05-1.4   1.05-2	1.5-2   1.5-3	60
Potato	<i>Chenopodium album</i> , <i>Trianthema monogyna</i> , <i>Parthenium hysterophorus</i> , <i>Fumaria parviflora</i> , <i>Melilotus spp.</i> , <i>Phalaris minor</i>	Pre-emergence 3-4 DAP or Post-emergence between emergence and time when the first potato plants have reached height of 5 cms.	0.525	0.750	30
Tomato	<i>Trianthema portulacastrum</i> , <i>Dactyloctenium aegyptium</i> , <i>Gynandropsis pentaphylla</i> , <i>Amaranthus viridis</i> , <i>Portulaca oleracea</i> , <i>Digera arvensis</i> , <i>Euphorbia frustrate</i> , <i>Echinochloa colonum</i> , <i>Ageratum conyzoides</i> , <i>Eleusine indica</i> ,	Pre-planting a week before transplanting  Or  Post planting 15 DAT	0.525	0.760	30

	<i>Setaria glauca,</i> <i>Commelina benghalensis</i>				
<b>Metribuzin 70% WG</b>					
Sugarcane	<i>Cyperus rotundus,</i> <i>Cynodon dactylon,</i> <i>Chenopodium album,</i> <i>Echinochloa crusgalli,</i> <i>Parthenium hysterophorus</i>	1.4-2.0	2.0-3.0	500-600	309
<b>Metsulfuron Methyl 20% WP</b>					
Wheat	<i>Chenopodium album,</i> <i>Melilotus indica,</i> <i>Lathyrus aphaca,</i> <i>Anagallis arvensis,</i> <i>Vicia sativa,</i> <i>Cirsium arvense.</i>	4 g	20 gm	500-600 + Surfactant (Iso-Octyl Phenoxy- Poloxethan ol 12.5% )@ 500 ml/ha	80
Rice (transplanted)	<i>Cyperus rotundus,</i> <i>Spheanochlea spp.,</i> <i>Fimbristylis sp.</i> <i>Ludwigia parviflora</i> <i>Marsilea quadrifoliata</i>	4 g	20 gm	500-600	60
Sugarcane	<i>Cyperus esculentus,</i> <i>Amaranthus viridis,</i> <i>Portulaca oleracea,</i> <i>Parthenium hysterophorus,</i> <i>Trianthema sp.,</i> <i>Cleome viscosa,</i> <i>Solanum sp.,</i> <i>Commelina benghalensis,</i> <i>Euphorbia sp.,</i> <i>Digeria sp.</i>	6	30	500-600 (Add non - ionic surfactant Iso-octyl- phenoxy - poloxethan ol 12.5% @ 2ml per liter of spray volume (0.2%)	346
<b>Metsulfuron Methyl 20% WG</b>					

Wheat	<i>Chenopodium album</i> <i>Melilotus indioca</i> <i>Melilotus alba</i> <i>Lathyrus aphaca</i> <i>Anagalis arvensis</i> <i>Vicia sativa</i> <i>Rumex denticulate</i> <i>Convolvulus arvensis</i> <i>Meedicago denticulate</i>	4 g	20 gm.	500-600 + Surfactant (Iso-Octyl Phenoxy) - Poloxethanol 12.5%) @0.2%	76
Transplanted Rice	<i>Monochoria vaginalis</i> <i>Ludwigia parviflora</i> <i>Ludwigia adscendens</i> <i>Marselea quadrifoliata</i> <i>Eclipta alba</i> <i>Oxalis minima</i> <i>Dapatorium juncum</i> <i>Commelina benghalensis</i> <i>Ammania baccifera</i> <i>Sphenoclea zeylanica</i> <i>Caesulia axillaries.</i>	4 g	20 gm.	500-600 + Surfactant (Iso-Octyl Phenoxy) - Poloxethanol 12.5%) @0.2%	71
Sugarcane	<i>Amaranthus viridis</i> <i>Ipomeas pp.</i> <i>Euphorbia hirta</i> <i>Phyllanthus niruri</i> <i>Cleome viscosa</i> <i>Commelina benghalensis</i> <i>Trianthema sp.</i> <i>Portulaca oleraceae</i>	6	30g + Non-ionic surfactant @ 2 ml/l of water	500	346
<b>Orthosulfamuron 50% WG</b>					
Transplanted Rice (Paddy)	<i>Echinochloa spp.</i> (Barnyard grass) <i>Cyperus spp.</i> (Nut grass) <i>Scirpus spp.</i> <i>Ludwigia parviflora</i> (water crest) <i>Fimbristylis spp.</i> (Hoor grass) <i>Rotala spp.</i>	60-75	150  3 DAT	500	65
<b>Oxadiargyl 80% WP</b>					
Sunflower	<i>Echinochloa colonum</i> <i>Dactyloctenium aegyptium</i>	240	300	500	81

Transplanted Rice	<i>Echinochloa crusgalli</i> <i>E. Colonom</i> , <i>Cyperus iria</i> , <i>C. difformis</i> , <i>Eclipta alba</i> , <i>Ludwigia quadrifoliata</i>	100	125	500	97
<b>Oxadiargyl 6% EC</b>					
Transplanted Rice	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> ,	100 g	1.66 ltrs	500	97
Cumin	<i>Cyperus iria</i> , <i>cyperus difformis</i> , <i>Eclipta alba</i> <i>Ludwigia quadrifoliata</i> <i>Chenopodium album</i> <i>Remex sp.</i> , <i>Melilotus indica</i> , <i>Asphodelus tenuifolius</i>	60-75 g	1.0-1.25 ltrs.	500	87
Mustard	<i>Chenopodium album</i> , <i>Melilotus sp</i>	90	1500	500	35
<b>Oxadiazon 25% EC</b>					
Transplanted Rice	<i>Echinochloa crusgalli</i> <i>E. colonum</i> <i>Cyperus iria</i> <i>C. difformis</i> <i>Marsilea quadrifoliata</i> , <i>Eclipta alba</i> , <i>Ludwigia sp.</i>	0.5 kg	2.0 ltrs.	500	-
<b>Oxyfluorfen 0.35% GR</b>					
Rice (Direct sown puddled or Transplanted)	<i>Echinochloa sp.</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Eclipta alba</i> <i>Ludwigia parviflora</i> <i>Fimbristylis miliacia</i> , <i>Marsilea spp</i>	100-150 g	30-40 kg	-	-
<b>Oxyfluorfen 20% DF</b>					
Onion	<i>Echinochloa spp.</i> , <i>Cyperus spp.</i> , <i>Chenopodium album</i> <i>Amaranthus viridis</i>	150-200 g	750-1000 g	500	91
<b>Oxyfluorfen 23.5% EC</b>					
Rice (Direct sown as pre-emergence)	<i>Echinochloa sp.</i> <i>Cyperus iria</i> , <i>Eclipta alba</i> ,	150-240 g	650-1000	500	-

Tea	<i>Digitaria</i> , <i>Imperata</i> , <i>Paspalum</i> , <i>Borreria hispida</i>	150-250 g	650-1000	500-750	15 days
Onion	<i>Chenopodium album</i> , <i>Amaranthus viridis</i> ,	100-200 g	425-850	500-750	-
Mentha	<i>Echinochloa colona</i> , <i>Cyperus spp.</i> , <i>Solanum nigrum</i> , <i>Amaranthus viridis</i> , <i>Sphenochlea sp.</i> , <i>Anagallis arvensis</i> , <i>Chenopodium album</i> , <i>Commelina benghalensis</i> , <i>Digitaria sanguinalis</i> , <i>Eclipta alba</i> , <i>Euphorbia spp.</i> , <i>Ludwigia parviflora</i> , <i>Portulaca spp.</i>	206	904.3	500	10
<b>Pendimethalin 30% EC</b>					
Wheat	<i>Phalaris minor</i> , <i>Chenopodium album</i> , <i>Melilotus alba</i> , <i>Portulaca oleracea</i> , <i>Anagallis arvensis</i> , <i>Fumaria parviflora</i> , <i>Poa annua</i>	Light soil- 1.0 kg,  Medium soil-1.25 kg,  Heavy soil- 1.5 kg	3.3 ltr.  4.2  5.0	500-700  500-700  500-700	-
Rice (Transplanted &direct sown Upland)	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Fimbristylis miliacea</i> , <i>Marselia quadrifoliata</i> , <i>Alternanthera sessilis</i> , <i>Ammonia baccifera</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> , <i>Cyperus difformis</i>	Light to Heavy soil 1-1.5 kg	3.3 –5 Ltrs.	500-700	
Cotton	<i>Echinochloa spp.</i> <i>Euphorbia hirta</i> <i>Amarnanthus</i> <i>viridis</i> <i>Portulaca</i> <i>oleracea</i> <i>Trianthema spp.</i> <i>Eleusine indica</i>	0.75-1.25 kg	2.5-4.165 ltrs	500-700	150

Soybean	<i>Echinochloa spp.</i> , <i>Euphorbia spp.</i> , <i>Amaranthus viridis</i> , <i>Portulaca oleracea</i> , <i>Trianthema spp.</i> , <i>Eleusine indica</i>	0.75-1.0 kg	2.5-3.3 ltrs.	500-700	110
Pigeon pea	<i>Digitaria sanguinalis</i> <i>Digera arvensis</i> <i>Amaranthus sp.</i> <i>Euphorbia hirta</i> <i>Trianthema sp.</i> <i>Cyperus sp.</i> <i>Eragrostis sp.</i>	0.7 – 1.00	2.5 – 3.33	500	133
<b>Pendimethalin 5 % G</b>					
Rice (Transplanted & Direct sown puddled)	<i>Echinochloa colona</i> , <i>E. crusgalli</i> , <i>Fimbristylis miliacea</i> , <i>Marselia quadrifoliata</i> , <i>Alternanthera sessilis</i> , <i>Ammonia baccifera</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> , <i>Cyperus difformis</i>	1.0-1.5 kg	20-30 kg	-	-
<b>Pendimethalin 38.7% CS</b>					
Soybean	<i>Echinochloa colonum</i> <i>Dinebra arabiaca</i> <i>Digitaria sanguinalis</i> <i>Bracharia mutica</i> <i>Dactyloctenium aegyptium</i> <i>Portulaca oleracea</i> <i>Amaranthus viridis</i> <i>Euphorbia geniculata</i> <i>Cleome viscosa</i>	580.5- 677.25 g	1500-1750	500	40
Cotton	<i>Digitaria sanguinalis</i> , <i>Echinochloa colonum</i> , <i>Dinebra arabiaca</i> , <i>Brachiaria mutica</i> , <i>Eragrostis minor</i> , <i>Portulaca oleracea</i> , <i>Commelina communis</i> , <i>Amaranthus spp.</i> , <i>Parthenium hysterophorus</i>	580.5- 677.25 g	1500-1750	500	101

Chilli	<i>Echinochloa colonum</i> , <i>Dinebra arabiaca</i> , <i>Brachiaria mutica</i> , <i>Amaranthus spp.</i> , <i>Portulaca oleracea</i> , <i>Commelina spp.</i> , <i>Parthenium hysterophorus</i> , <i>Digera arvensi</i> , <i>Physelis minima</i>	580.5- 677.25 g	1500-1750	500	98
Onion	<i>Dactyloctenium aegyptium</i> <i>Digitaria sanguinalis</i> , <i>Echinochloa sp.</i> , <i>Dinebra arabica</i> , <i>Portulaca oleracea</i> , <i>Euphorbia geniculata</i> , <i>Commelina sp.</i> , <i>Digera arvensis</i> , <i>Amaranthus viridis</i> , <i>Trianthema portulacastrum</i>	580.50- 677.25 g	1500-1750	500	104
Groundnut	<i>Echinochloa colonum</i> , <i>Digitaria marginata</i> , <i>Commelina bengalensis</i> , <i>Portulaca oleracea</i>	580.5- 677.25 g	1500-1750	375	103
Mustard	<i>Chenopodium album</i> , <i>Digera arvensis</i> , <i>Amaranthus species</i>	338.625 g	875	375-400	111
Cumin	<i>Portulaca oleracea</i> , <i>Digitaria spp</i> , <i>Digera arvensis</i>	580.5- 677.25 g	1500- 1750	375-500	91
<b>Pinoxaden 5.1% EC</b>					
Wheat	<i>Phalaris minor</i> (Canary grass) <i>Avena ludoviciana</i> (Wild oat)	40-45 g	800-900 ml  30-35 DAS	225-300	90
<b>Penoxsulam 21.7 % SC</b>					
Rice (Transplanted)	<i>Ammania bacifera</i> , <i>Cyperus difformis</i> , <i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus iria</i> , <i>Fimbristylis miliacea</i> , <i>Ludwigia spp.</i> <i>Monochoria spp.</i> <i>Sphenoclelea zeylanica</i> ,	22.5 to 25 (pre- emergence 0-5 DAT)  20 to 22.5 (post- emergence 10-12 DAT)	93.7 to 104.2  83.3 to 93.7	250-500	60
Rice (Nursery)	<i>Cyperus difformis</i> , <i>Eclipta alba</i>	22.5	93.75	300	60

Penoxsulam 2.67% OD						
Rice (Transplanted Rice)	Grasses	<i>Echinochloa Colona</i> <i>Echinochloa Crusagalli</i>	22.5-25	900-1000 ml/ha	300-500	60
	Sedges	<i>Cyperus difformis</i>				
	Broad Leaved Weeds	<i>Caesulia axillaris</i>				
Pretilachlor 37% EW						
Transplanted Rice	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Digitaria sanguinalis</i> <i>Fimbristylis miliacae</i> <i>Eclipta alba</i> <i>Ludwigia parviflora</i> <i>Monochoria vaginalis</i>		0.60-0.75 kg	1.5-1.875 ltrs.	500	90
Pretilachlor 30.7% EC						
(Direct seeded rice under puddled condition)	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus difformis</i> <i>Cyperus iria</i>		0.45-0.60 kg	1.5-2.0 ltr.	500	110
Pretilachlor 50% EC						
Transplanted Rice	<i>Echinochloa crusgalli</i> <i>Echiniochloa colonum</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Fimbristylis miliacae</i> <i>Eclipta alba</i> <i>Ludwigia parviflora</i> <i>Monochoria vaginalis</i> <i>Leptochloa chinensis</i> <i>Panicum repens</i>		0.50-0.75 kg.	1.0-1.5 ltrs.	500-700	75-90
Propaquizafop 10% EC						
Soybean	<i>Echinochloa colonum</i> , <i>Echinochola crusgalli</i> , <i>Digiteria sanguinalis</i> , <i>Dactyloctenium eigyptium</i> , <i>Eleusine indica</i>		50-75 g	500-750	500-750	21



Blackgram	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	75-100 g	750-1000	500-750	21
Onion	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Phalaris minor</i>	62.5	625	500	7
Jute	<i>Digitaria sanguinalis</i> , <i>Echinochloa colonum</i> , <i>Eleusine indica</i>	62.5	625	500	87
Cotton	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Cynodon dactylon</i>	62.5	625	500	115
Groundnut	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	97
<b>Propanil 35% EC</b>					
Rice	<i>Barnyard grass</i> ( <i>Echinochloa crusgalli</i> , <i>E. colonum</i> ), <i>Nut grass</i> ( <i>Cyperus difformis</i> , <i>C. iria</i> )	2.0-3.0  Early post-emergence to weeds (12-15 DAS), Blanket spray	5.8-8.5	400-600	90
<b>Propanil 80% w/w DF</b>					
Direct Seeded Rice	<i>Echinochloa colonum</i> (wild rice), <i>Echinochloa crusgalli</i> (barnyard grass), <i>Panicum repens</i> (bullet grass), <i>Brachiaria mutica</i> (para grass), <i>Digitaria sanguinalis</i> (hairy crabgrass), <i>Leptochloa chinensis</i> (red sprangletop), <i>Eclipta alba</i> (False daisy), <i>Commelina spp.</i> , <i>Ludwigia parviflora</i> (water crest), <i>Cyperus spp.</i>	2000-3000	2500-3750	375	84

<b>Paraquat dichloride 24% SL</b>					
Tea (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Imperata Setaria sp., Commelina benghalensis, Boerraria hispida, Paspalum conjugatum,</i>	0.2-1.0 kg	0.8-4.25 ltr (For season long weed control, use 2.5-5.0 ltr for initial application. For subsequent repeat spot application use 1 litre)	200-400	Not Necessary  (For season-long weed control, use 2.5 to 5 lit for initial application. For subsequent repeat spot application use 1 litre)
Potato (Post-emergence overall / inter-row application at 5-10 % emergence)	<i>Chenopodium sp. Angallis arvensis Trianthema monogyna Cyperus rotundus Fumeria parviflora</i>	0.5 kg	2.0 ltr.	500	100
Cotton (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Digera arvensis, Cyperus iria, Trianthema monogyna, Corchorus spp., Leucas aspera, Euphorbia spp.</i>	0.3-0.5 kg	1.25-2.0	500	150-180
Rubber (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Digitaria sp., Eragrostis sp., Fimbristylis sp.</i>	0.3-0.6 kg	1.5-2.5	600	N.A.
Coffee	<i>Digitaria marginata, paspalum Conjugatum, Ageratum, Conyzides, Borreria hispida, Euphorbia hirta, Commelina benghalensis, Eleusine indica</i>	250	1.0	400	N.A.
Rice [pre-plant (minimum tillage) before sowing/transplanting for controlling standing weeds]	<i>Echinochloa crusgalli, Cyperus iria, Ageratum conyzides, Commelina benghalensis, Marsilea quadriofoliata, Brachiaria mutica</i>	0.3-0.8 kg	1.25-3.5	500	N.A.

Wheat [pre-plant (minimum tillage) before sowing]	<i>Grassy &amp; Broad leaf weeds</i>	1.0 kg	4.25 ltrs	500	120-150
Maize [pre-plant (minimum tillage) before sowing]	<i>Cyperus rotundus, Commelina benghalensis, Trianthema monogyna, Amaranthus sp., Echinochloa sp</i>	0.2-0.5 kg	0.8-2.0 ltrs	500	90-120
Maize (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Cyperus iria, Cyperus rotundus, Commelina benghalensis Amaranthus sp. Echinochloa sp Trianthema monogyna</i>	0.2-0.5 kg	0.8-2.0 ltrs	500	90-120
Grapes (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Cyperus rotundus Cynodon dactylon Convolvulus sp. Portulaca sp. Tridax sp.</i>	0.5 kg.	2.0ltrs.	500	90
Apple (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Rosa moschata Rosa eglantaria Rubus ellipticus</i>	0.75 kg	3.25 ltrs	700-1000	N.A.
Aquatic weed control					
Water ways	<i>Eichhornia crassipes</i>	1000	4.25	600-1000	N.A
Canals,	<i>Hydrilla</i>	1000	4.25	600	
Ponds	<i>Typha latifolia</i>	1000-2000	4.25-8.5	600-1000	
Etc					
<b>Pyroxasulfone 85 % WG</b>					
Wheat	<i>Phalaris minor</i>	131	127.5	150	500
Maize	<i>Echinochloa crusgalli, Eleusine indica, Phyllanthus niruri</i>	103	127.5	150	500
Soybean	<i>Echinochloa colonum, Celosia argentia, Trianthema portulacastrum, Amaranthus viridis, Digeria arvensis</i>	94	127.5	150	500

<b>Pyrazosulfuron Ethyl 10% WP</b>					
Transplanted Rice	<i>Cyperus Iria,</i> <i>Cyperus difformis,</i> <i>Fimbristylis miliacea,</i> <i>Monochoria vaginalis,</i> <i>Ludwigia parviflora</i>	10-15 g	100-150	500-600	95
<b>Pyrithiobac Sodium 10% EC</b>					
Cotton (Gossypium)	<i>Trianthema Spp</i> <i>Amaranthus Spp</i> <i>Chenopodium Spp</i> <i>Digera Spp</i> <i>Celosia argentia</i>	62.5-75 gm	625-750	500	160
<b>Pyroxasulfone 85% w/w WG</b>					
Wheat	<i>Phalaris minor</i>	127.5 g	150 ml	500	131
Maize	<i>Echinochloa crusgalli,</i> <i>Eleusine indica,</i> <i>Phyllanthus niruri</i>	127.5 g	150 ml	500	103
Soybean	<i>Echinochloa colona,</i> <i>Celosia argentia,</i> <i>Trianthema</i> <i>portulacastrum,</i> <i>Amaranthus viridis,</i> <i>Digera arvensis</i>	127.5 g	150 ml	500	94
<b>Pyrazosulfuron Ethyl 70% WDG</b>					
Transplanted Rice	<i>Echinichloa spp,</i> <i>Cyperus rotundus,</i> <i>Ludwigia parviflora</i>	21	30	500	43
<b>Quinclorac 250g/l SC</b>					
Rice	<i>Echinochloa spp.</i> (Barnyard grass), <i>Panicum repens</i> (Creeping panic)	187.5 - 250	750-1000	500	78
<b>Quizalofop-ethyl 5% EC</b>					
Soybean	<i>Echinochloa crusgalli</i> <i>E. colomum</i> <i>Eragrostis sp.</i>	37.5-50 gm.	0.75-1.0	500-600	95
Cotton	<i>Echinolchloa crusgalli,</i> <i>Echinochloa colonum,</i> <i>Dinebra retroflexa</i> <i>Digiteria marginata</i>	50.5	1000	500	94

Groundnut	<i>Echinochloa colonum</i> , <i>Dinebra retroflexa</i> <i>Dactyloctenium sp.</i>	37.5-50.0	750-1000	500	89
Black gram	<i>Eleusine indica</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Eragrostis sp.</i> , <i>Paspalidium sp.</i> , <i>Echinochloa sp.</i> , <i>Dinebra ratroflexa</i>	37.5-50.0	750-1000	500	52
Onion	<i>Digitaria sp.</i> , <i>Eleusine indicia</i> , <i>Dactyloctenium aegyptium</i> , <i>Eragrostis sp.</i> ,	37.5-50.0	750-1000	375-450	7
<b>Quizalofop-ethyl 10% EC</b>					
Soyabean	<i>Love grass (eragrostis ipilosa)</i> , <i>Crab grass (Digitaria sanguinalis/ wild finger/ Makra grass Viper grass, Barnyard grass, sanwa/Samel, Brown top millet</i>	37.5-45.0	375-450	300-500	69-103
<b>Quizalofop –p-tefuryl 4.41% EC</b>					
Soybean	<i>Echinochloa spp.</i> <i>Dinebra arabica</i> <i>Digitaria sanguinalis</i> <i>Cynodon dactylon</i> <i>Hemarthria compressa</i> <i>Eleusine indica</i>	30-40 gm	750-1000 ml	400	30
<b>Saflufenacil 70.0% w/w WG</b>					
Non Cropped Areas	<i>Cyperus rotundus</i> <i>Dactyloctanum aegyptium</i> <i>Eleusine indca</i> <i>Cynodon dactylon</i> <i>Chloris barbata</i> <i>Echinocloa colona</i> <i>Amaranthus viridis</i> <i>Portulaca oleraceae</i> <i>Commelina benghalensis</i> <i>Ageratum conyzoides</i> <i>Digera arvensis</i> <i>Euporbia hirta</i> <i>Parthenium hystrophorus</i>	70	100	500	N.A.

Tea	<i>Ageratum conyzoides</i> <i>Bidens spp.</i> <i>Borreria spp.</i> <i>Conyza spp.</i> <i>Crassocephala integrifolia</i> <i>Galinsoga parviflora</i> <i>Mumosa pudica</i> <i>Chromolaena odorata</i> <i>Commueenila benghalensis</i> <i>Lantana camara</i>	70	100	450	7
<b>Sulfentrazone 39.6% w/w SC</b>					
Soybean	<i>Acalypha sp.</i> , <i>Commelina sp.</i> , <i>Digera sp.</i> , <i>Cyprus sp.</i> <i>Echinochloa sp.</i> , <i>Brachiaria sp.</i> , <i>Dinebra sp.</i>	360	750	500	88
Sugarcane	<i>Trianthema sp.</i> , <i>Digera spp.</i> , <i>Amaranthus spp.</i> , <i>Phyllanthus spp.</i> , <i>Euphorbia spp.</i> , <i>Dacteloctenium spp.</i> , <i>Digitaria spp.</i> , <i>Brachiaria spp.</i> , <i>Echinocloa spp.</i> , <i>Cynodon spp.</i> , <i>Cyperus spp.</i>	720	1500	500	306
<b>Sulfosulfuron 75% WG</b>					
Wheat	<i>Phalaris minor</i> <i>Chenopodium sp.</i> <i>Melilotus alba</i>	25 gm	33.3 gm	200-250 + Cationic surfactant 1250ml/h a	110
<b>Tembotrione 34.4% SC</b>					
Maize	<i>Trianthema portulacastrum</i> , <i>Echinochloa sp.</i> <i>Bracharia sp.</i>	120 g	286 ml	500	55
<b>Triallate 50% EC</b>					
Wheat	<i>Avena fatua</i>	1.25 kg	2.5 kg.	250-500	150

<b>Triasulfuron 20% WG</b>					
Wheat	<i>Chenopodium album</i> , <i>Anagallis arvensis</i> , <i>Medilotus alba</i> , <i>Rumex spp</i> , <i>Medicago denticulata</i> , <i>Fumeria pomiflora</i> , <i>Cronopus didymus</i> , <i>Spergula arvensis</i> <i>Malvela perviflora</i>	20	100	500	81
Tea	<i>Ageratum conyzoides</i> , <i>Borreria spp.</i> , <i>Crassocephalum</i> <i>crepidiodes</i> , <i>Oxalis spp.</i> , <i>Bidens pilosa</i> , <i>Conyza ambigua</i> , <i>Drymaria diandra</i> , <i>Emillia sonchifolia</i> , <i>Mitracarpus verticilatus</i> , <i>Syndnedrella nodiflora</i> .	25	125	500	7
<b>Topramezone 336 g/l w/v SC</b>					
Maize	<i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinocloa spp.</i> , <i>Chloris barbata</i> , <i>Parthenium hysterophorus</i> , <i>Digera arvensis</i> , <i>Amaranthus viridis</i> , <i>Physalis minima</i> , <i>Alternanthera sessilis</i> , <i>Convolvulus arvensis</i> , <i>Celotia argentea</i> .	25.2 to 33.6 g a.i./ha + MSO adjuvant @ 2 ml/l of water	75 to 100 ml + MSO adjuvant @ 2 ml/l of Water	375	83

## **HERBICIDE COMBINATIONS**

<b>Ametryn 73.1% w/w + Trifloxysulfuron sodium 1.8% w/w WG</b>					
<b>Sugarcane</b>	<i>Echinochloa colona</i> , <i>Cyanadon dactylon</i> , <i>Cyperus rotundus</i> , <i>Amaranthus viridis</i> , <i>Trianthema spp.</i> and <i>Digitaria sanguinalis</i>	937.5-1125	1250-1500	500	221
<b>Anilofos 24% +2,4-D ethyl Ester 32% EC</b>					
Transplanted rice	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Ischaemum rugosum</i> <i>Fimbristylis miliacea</i>	(0.24+ 0.32) to (0.36 + 0.48) kg	1-1.5 ltrs.	300	90
<b>2,4-D sodium salt 44% + Metribuzin 35% + Pyrazosulfuron ethyl 1.0% WDG</b>					
Sugarcane	<i>Echinochloa spp.</i> , <i>Elusine indica</i> (Indian goosegrass) <i>Brachiaria spp.</i> <i>Digitaria spp.</i> <i>Dactyloctenium aegyptium</i> (Crowfoot Grass) <i>Eclipta alba</i> (false daisy) <i>Chenopodium album</i> (Bathua) <i>Physalis minima</i> (Little Gooseberry) <i>Portulaca oleracea</i> (Purslane) <i>Parthenium hysterophorus</i> (Congress grass) <i>Cyperus spp.</i>	1320 + 1050 + 30	3000	500	249
<b>Bensulfuron methyl 0.6%+Pretilachlor 6% GR</b>					
Transplanted Rice	<i>Echinochloa crusgalli</i> , <i>Echinochloa colonum</i> , <i>Cynodon dactylon</i> <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Cyperus rotundus</i> , <i>Fimbristylis miliacea</i> , <i>Ludwigia parviflora</i> , <i>Marselia quadrifolia</i> , <i>Enhydra fluctuans</i> , <i>Sphenoclea zeylanica</i> , <i>Eclipta alba</i> , <i>Ammania baccifera</i> .	60 + 600 gm	10 kg	N.A.	88
<b>Bensulfuron-Methyl 4.8 % + Pretilachlor 48% OD</b>					



Transplanted Rice	<i>Echinochloa crusgalli</i> , <i>Echinochloa colonum</i> , <i>Cynodon doctylon</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> , <i>Monochoria vaginalis</i> , <i>Ammania boccifera</i>	60+600	1250	375	102
<b>Bispyribac Sodium 20% + Pyrazosulfuron Ethyl 15% WDG</b>					
Rice	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> <i>Eclipta alba</i> , <i>Cyperus rotundus</i>	20+15	100	500	130
<b>Bispyribac Sodium 38% + Chlorimuron ethyl 2.5%+ Metsulfuron Methyl 2.5% (w/w) WG</b>					
Rice (Transplanted )	<i>Echinochloa colonum</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Sphenoclea zaylenica</i> , <i>Scirpus Sp.</i>	43	100	500	64
Rice (Direct Seeded)	<i>Echinochloa colonum</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Sphenoclea zaylenica</i> , <i>Scirpus Sp.</i>	43	100	500	64
<b>Carfentrazone ethyl 0.43% + Glyphosate 30.82% EW</b>					
Tea	<i>Ageratum conyzoides</i> <i>Bidenspilosa</i> <i>Borreria sp.</i> <i>Crassocephalumcr epidoides</i> <i>Cynadon sp.</i> <i>Cyperous sp.</i> <i>Digitaria sp.</i> <i>Eleusine indica</i> <i>Mimosa sp.</i> <i>Mrtracarpus villosus</i> <i>Oxalis sp.</i>	12.90 +924.60	3000	500	7
Non-cropped area	<i>Ageratum conyzoides</i> <i>Axonopus sp.</i> <i>Brachiaria sp.</i> <i>Commelina sp.</i> <i>Cynodon dactylon</i> <i>Cyperous sp.</i>	12.90 +924.60	3000	500	--

	<i>Digitaria sp.</i> <i>Eleusine indica</i> <i>Imperata cylindrica</i> <i>Lantana camera</i> <i>Parthenium sp.</i>				
<b>Carfentrazone ethyl 20% + Sulfosulfuron 25% WG</b>					
Wheat	<i>Phalaris minor</i> <i>Avena ludoviciana</i> <i>Chenopodium album</i> <i>Medilotus alba</i> <i>Rumex spp</i>	20+25  +750 ml Surfactant	100	300	110
<b>Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP</b>					
Wheat	<i>Phalaris minor</i> , <i>Avena fatua</i> , <i>Chenopodium album</i> , <i>Melilotus sp.</i> , <i>Fumaria parviflora</i> , <i>Vicia sativa</i> , <i>Rumex sp.</i> , <i>Anagallis arvensis</i> , <i>Coronopus didymus</i> , <i>Lathyrus sp.</i> , <i>Convolvulus arvensis</i>	60+4	400	375 (Add 1250 ml surfactant at the time of sparying)	100
<b>Clodinafop propargyl 9% + Metribuzin 20% WP (w/w)</b>					
Wheat	<i>Phalaris minor</i> <i>Chenopodium album</i> , <i>Melilotus sp</i> <i>Vicia sativa</i> , <i>Rumex sp</i> <i>Medicago sp</i> <i>Cronopus didymus</i> <i>Dinebra vetroflexa</i>	54+120	600	300	120
<b>Clomazone 20%+2,4-D Ethyl Ester 30% EC</b>					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i> , <i>Leptochloa chinensis</i> , <i>Panicum repens</i> , <i>Fimbristylis miliacea</i> , <i>Marsilea quadrifoliata</i> , <i>Ludwigia parviflora</i> .	0.250-0.375 Kg	1.25 ltrs.	500	100-110
<b>Clomazone 22.5% w/w + Metribuzin 21% w/w WP</b>					
Sugarcane	<i>Trianthema Spp.</i>	563 + 525	2500	500L	307 days

	<i>Amaranthus viridis</i> <i>Phyllanthus niruri</i> <i>Bracharia Spp.</i> <i>Dactyloctenium aegyptium</i> <i>Echinochloa spp.</i> <i>Digitaria Spp.</i> <i>Cynodon dactylon</i>				
<b>Fenoxaprop-p-ethyl 7.77% w/w + Metribuzin 13.6% w/w EC</b>					
Wheat	<i>Phalaris minor</i> (Little seed canary grass) <i>Chenopodium album</i> (Lambs quarter) <i>Lathyrus aphaca</i> (Meadow Pea) <i>Rumex Sp.</i> (Golden dock) <i>Melilotus spp.</i> (Sweet clover) <i>Avena ludoviciana.</i>	100+175	1250	375	110
<b>Fluthiacet-methyl 2.5% + Quizalofop-ethyl 10% EC</b>					
<b>Soybean</b>	Day flower ( <i>Commelina benghalensis</i> ) Copper leaf ( <i>Acalypha indica</i> ) False amaranth ( <i>Digera arvensis</i> ) Carrot grass ( <i>Parthenium hysterophorus</i> ) Jungle rice ( <i>Echinochloa colona</i> ) Viper grass ( <i>Dinebra retroflexa</i> ) Crab grass ( <i>Digitaria sanguinalis</i> )	12.5 + 50	500	500	67
<b>Florpyrauxifen-benzyl 1.31% w/w +Penoxsulam 2.1% w/w OD</b>					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Ammania baccifera</i>	15.63+25 g	1250	375-500	83
Direct seeded rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Commelina communis</i>	15.63+25 g	1250	375-500	83
<b>Florpyrauxifen-benzyl 2.13% w/w + Cyhalofop-butyl 10.64% w/w EC</b>					

Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa Chinensis</i> , <i>Cyperus rotundus</i> , <i>Ammannia baccifera</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i>	150	1250	375-500	67
Direct seeded rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa chinensis</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Monochoria vaginalis</i>	150-180	1250-1500	375-500	92
<b>Fluazifop-p-butyl 11.1% w/w + Fomesafen 11.1% w/w SL</b>					
Soybean	<i>Echinochloa colona</i> <i>Digitaria sp</i> <i>Eleusine indica</i> <i>Dactyloctenium aegyptium</i> <i>Brachiaria reptans</i> <i>Commelina benghalensis</i> <i>Digera arvensis</i> <i>Trianthema sp.</i> <i>Phyllanthus niruri</i> <i>Aclypha indica</i> <i>Dinebra arbica</i>	250	1000	500	71
Groundnut	<i>Echinochloa colona</i> <i>Digitaria sp.</i> <i>Eleusine indica</i> <i>Dactyloctenium aegyptium</i> <i>Commelina benghalensis</i> <i>Eluopus villosus</i> <i>Indigofera glandulosa</i> <i>Chloris barbata</i> <i>Trianthema sp.</i> <i>Digera arvensis</i> <i>Cleome viscosa</i> <i>Phyllanthus niruri</i> <i>Amaranthus viridis</i> <i>Cyperus sp.</i>	250	1000	500	82
<b>Fomesafen 12 % + Quizalofop ethyl 3% w/w SC</b>					
Soybean	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Doctyloctenium</i> <i>aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus rotundus</i>	180+45	1500	500	71

<b>Fomesafen 17.5% + Clodinafop-propargyl 12.5% w/w ME</b>					
<b>Soybean</b>	<i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i> <i>Trianthema monogyna</i>	175 + 125	1000	500	101
<b>Green gram</b>	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i> , <i>Cynodon dactylon</i> <i>Trianthema monogyna</i> , <i>Phyllanthus niruri</i> , <i>Parthenium hysterophorus</i> , <i>Digera arvensis</i>	175 + 125	1000	500	83
<b>Glufosinate ammonium 13.4% + Oxyfluorfen 4.8% w/w EW</b>					
Tea	<i>Cynodon dactylon</i> , <i>Digitaria sanguinalis</i> , <i>Commelina benghalensis</i> , <i>Bidens biternata</i> , <i>Ageratum conyzoides</i>	420+150 g	3000	500	10
<b>Halosulfuron Methyl 5% + Atrazine 48% WG</b>					
<b>Maize</b>	<i>Echinochloa spp.</i> <i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Trianthema monogyna</i> <i>Celosia argentea</i> <i>Cyperus rotundus</i>	56.25+540	1125	375	37
<b>Halauxifen-methyl 20.8% + Florasulam 20.0% w/w WG (with surfactant Polyglycol 26-2 N)</b>					
<b>Wheat</b>	<i>Chenopodium album</i> <i>Rumex sp.</i> <i>Medicago denticulate</i> <i>Coronopus didymus</i>	12.76	31.23	375 (use along with surfactant Polyglycol 26-2 N at 750 ml/ha)	71
<b>Halosulfuron Methyl 12% w/w+ Metribuzin 55% WG</b>					
<b>Sugarcane</b>	<i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Cyperus rotundus</i> <i>Dactylactenium aegyptium</i>	54+247.5	450	300	294

<b>Hexazinone 13.2% + Diuron 46.8 % WP</b>					
Sugarcane	<i>Enchinochloa colonum</i> <i>Dactyloctenium aegyptium</i> <i>Trianthema monogyna</i> <i>Amaranthus viridis</i> <i>Ipomea spp</i> <i>Cyperus rotundus</i> <i>Cyperus esculentus</i> <i>Setaria spp</i> <i>Parthenium hysterophorus</i> <i>Euphorbia hirta</i>	1200 gm (264+936)	2 Kg	500	282-306
<b>Indaziflam 1.65% w/w (2%w/v) + Glyphosate Isopropylammonium 44.63% w/w (40%w/v) SC</b>					
Tea	<i>Ageratum sp.</i> <i>Borreria sp.</i> <i>Eleusine indica</i>	50+1000 to 70 + 1400 g.a.i/ha	2500 to 3500 ml/ha	500 L	14 days
<b>Imazethapyr 35% + Imazamox 35% WG</b>					
Soybean	<i>Echinochloa Colonum</i> , <i>Dinebra Arabica</i> , <i>Digitaria sanguinalis</i> , <i>Brachiaria mutica</i> <i>Commelina benghalensis</i> <i>Euphorbia hirta</i>	70 g a.i/ha + MSO Adjuvant @ 2 ml/l of water	100 g MSO Aadjuvant @ 2ml/l of water	375-500	56
Groundnut	<i>Echinochloa Colonum</i> , <i>Digera arvensis</i> , <i>Commelina benghalensis</i> <i>Euphorbia hirta</i> <i>Amaranthus viridis</i> <i>Physalis minima</i> <i>Brachiria spp.</i> <i>Trianthema portulacastrum</i>	70 g a.i/ha + MSO Adjuvant @ 2 ml/l of water	100 g MSO Aadjuvant @ 2ml/l of water	375-500	83
Cluster bean	<i>Echinochloa colonum</i> , <i>Euphorbia spp.</i> , <i>Digera arvensis</i> , <i>Amaranthus viridis</i> .	70 g a.i./ha + MSO adjuvant @ 2m/l of water	100 g/ha + MSO adjuvant @ 2m/l of water	500	64
Red gram	<i>Euphorbia spp.</i> , <i>Amaranthus viridis</i> .	70 g a.i./ha + MSO adjuvant @ 2m/l of water	100 g/ha + MSO adjuvant @ 2m/l of water	375-500	125
<b>Mesosulfuron methyl 3% + Iodosulfuron methyl sodium 0.6% WG</b>					

Wheat	<i>Phalaris minor</i> <i>Medicago denticulata</i> <i>Chenopodium album</i> <i>Melilotus sp.</i> <i>Rumex sp.</i> <i>Anagallis arvensis</i> <i>Coronopus didymus</i> <i>Lathyrus aphaca</i> <i>Fumaria parviflora</i>	(12+2.4 gm)	400 ml.	400-500 + Surfactant (Genopol LRO fluid) @ 500 ml/ha	96
<b>Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC</b>					
Maize	<i>Trianthema spp.</i> , <i>Cyperus spp.</i> <i>Digitaria sanguinalis</i> , <i>Echinochloa spp.</i> <i>Dactyloctenium aegyptium</i>	875 gm	3500	500	42
Sugarcane	<i>Trianthema spp.</i> <i>Amaranthus viridis</i> , <i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> <i>Cyperus rotundus</i> , <i>Dactyloctenium aegyptium</i>	875 gm	3500	500	190
<b>Metribuzin 42% + Clodinafop propargyl 12% WG</b>					
Wheat	<i>Phalaris minor</i> (Canary grass), <i>Avena spp.</i> (Wild oat), <i>Chenopodium album</i> (Fat hen), <i>Melilotus sp.</i> (Sweet clover), <i>Medicago denticulate</i> (Toothed medic), <i>Rumex spp.</i> (Wild spinach), <i>Anagallis arvensis</i> (Blue Pimpernel)	210+60	500	375	92
<b>Metribuzin 16.8% + 2,4-D Sodium Salt 56% WP</b>					
Sugarcane	<i>Echinochloa spp.</i> , <i>Dactyloctenium aegyptium</i> , <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Cynodon dactylon</i> , <i>Portulaca oleracea</i>	525+1750	3125	500	308
<b>Metsulfuron Methyl 10% + Chlorimuron ethyl 10% WP</b>					

Transplanted Rice (Pre-emergence application-3 DAT	<i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliaceae</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Cyanotis axillaries</i> , <i>Monocoria vaginalis</i> , <i>Marsilea quadrifoliata</i> ,	4gm	20 gm.	300	90
<b>Metsulfuron Methyl 10% + Carfentrazone ethyl 40% DF</b>					
Wheat	<i>Rumex dentatus</i> <i>Rumex spinosus</i> <i>Medicago denticulate</i> <i>Malva parviflora</i> <i>Lathyrus aphaca</i> <i>Chenopodium album</i> <i>Melilotus alba</i> <i>Melilotus indica</i> <i>Anagallis arvensis</i> <i>Solanum nigrum</i> <i>Vicia sativa</i> <i>Convolvulus arvensis</i>	25	50	300	100
<b>Oxadiargyl 1% + Pretilachlor 6% GR</b>					
Transplanted Paddy	<i>Echinochloa crusgalli</i> , <i>Echinochloa colona</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i> , <i>Ludwigia parviflora</i> , <i>Marsilea quadrifolia</i>	100+ 600	10 kg	-	85
<b>Oxyfluorfen 2.5% + Isopropyl amine salt of Glyphosate 41% w/w SC</b>					
Tea	<i>Ageratum Conyzoides</i> <i>Cyperus spp.</i> <i>Borreria hispida</i> <i>Paspalum conjugatum</i> <i>Digitaria ciliaris</i>	50+820	2000	500L/ha.	14
Non Crop area	<i>Digitaria sanguinalis</i> (Crab grass) <i>Cynodon dactylon</i> (Dhoob grass) <i>Paspalum conjugatum</i> (Hilo grass) <i>Cyperus spp.</i> , (Purplenut sedge) <i>Digera arvensis</i> (False Amaranth)	78.125+128 1.25	3125	500	-
<b>Pendimethalin 30%+ Imazethapyr 2% EC</b>					



Soybean	<i>Echinochloa crusgalli</i> , <i>Digera arvensis</i> , <i>Commelina benghalensis</i> , <i>Amaranthus viridis</i> , <i>Portulaca oleracea</i>	(750+50) to (900+60) gm	2.5-3.0 ltrs	500-600	90
<b>Penoxsulam 0.97% w/w + Butachlor 38.8% w/w SE</b>					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Marsilia quadrifoliata</i> , <i>Alternanthera spp.</i>	820 g.a.i/ha	2000ml/ha	750	60
<b>Penoxsulam 1.02 % + Cyhalofop-butyl 5.1% OD</b>					
Rice (Direct seeded Rice)	<i>Echinochloa colona</i> <i>Echinochloa crusgalli</i> <i>Leptochloa chinesis</i> <i>Eleusine indica</i> <i>Alternanthera sessilis</i> <i>Caesulia axillaris</i> <i>Cyperus spp</i>	120-135	2000-2250	300-500	60
Rice (Transplanted Rice)	<i>Echinochloa colona</i> <i>Echinochloa crusgalli</i> <i>Leptochloa chinesis</i> <i>Caesulia axillaris</i> <i>Cyperus difformis</i> <i>Cyperus spp</i>	120-135	2000-2250	300-500	60
<b>Pendimethalin 35% + Metribuzin 3.5% w/w SE</b>					
Wheat	<i>Canary grass (Phalaris minor)</i> , <i>Wild Oat (Avena ludoviciana)</i> , <i>Lamb's quarters (Chenopodium album)</i> , <i>Field bindweed (Convolvulus arvensis)</i> , <i>Swine Cress (Coronopus didymus)</i> , <i>Burmuda grass (Cyanadon doctylon)</i>	875 +87.5 to 1050 + 105 gm	2.5-3.0	500	123
<b>Pendimethalin 24% + Oxyfluorfen 4.1% w/v ZE</b>					

Onion	<i>Dinebra arabica</i> , <i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Cynodon dactylon</i> , <i>Chenopodium album</i> , <i>Cyperus rotundus</i> , <i>Dactyloctenium aegyptium</i> , <i>Commelina benghalensis</i>	541.92 + 92.56	2258	500	90
<b>Pendimethalin 38.4% + Pyrazosulfuron ethyl 0.85% ZC</b>					
Transplanted Rice	<i>Echinochloa colona</i> (wild rice), <i>Echinochloa crus galli</i> (banyard grass), <i>Marsilea quadrifolia</i> (common water clover), <i>Ludwigia parviflora</i> (river crest), <i>Cyperus difformis</i> (common sedge)	900 +20	2000	375	86
<b>Pretilachlor 6% + Pyrazosulfuron Ethyl 0.15% (H)</b>					
Paddy	Grassy weeds, Broad Leaf, Sedges	600+15	10	-	83
<b>Pretilachlor 6.0% +Pyrazosulfuron Ethyl 0.15% GR</b>					
Transplanted Paddy	<i>Echinochloa Colonom</i> <i>Echinochloa Crusagalli</i> <i>Ludwigia paviflora</i> , <i>Eclipta alba</i> , <i>Leptochloa chinensis</i> , <i>Monochoria vaginalis</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Fimbristylis miliaceae</i>	600+15	10 kg	-	83
<b>Pretilachlor 30.0% + Pyrazosulfuron Ethyl 0.75% WG</b>					
Paddy (Direct seeded Rice)	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Leptochloa chinensis</i> , <i>Eclipta alba</i> , <i>Abernantthera sessilis</i> , <i>Parthenium hysterophorus</i> , <i>Cyperus iria</i> <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i>	600+15	2000	375	113
<b>Propaquizafop 2.5% + Imazethapyr 3.75% w/w ME</b>					

Soybean	<u>Grassy weeds:</u> <i>Dactyloctenium aegyptium</i> <i>Echinochloa colonum</i> <i>Eleusine indica</i> <i>Digitaria sanguinalis</i> <u>BLW:</u> <i>Commelina Benghalensis</i> <i>Euphorbia hirta</i> <i>Digera arvensis</i> <i>Amaranthus viridis</i>	50+75	2000	500	80
Groundnut	<b>Monocot weeds</b> <i>Echinochloa colona</i> , <i>Cyperus difformis</i> , <i>Digitaria sanguinalis</i> <b>Broad leaved weeds</b> <i>Commelina benghalensis</i> <i>Digera arvensis</i>	50+75	2000	500	97
Blackgram	<b>Monocot weeds</b> <i>Digitaria sanguinalis</i> <i>Dactyloctenium aegyptium</i> <i>Cynodon dactylan</i> <b>Broad leaved weed</b> <i>Parthenium hysterophorus</i> <i>Commelina benghalensis</i> <i>Euphorbia hirta</i>	50+75	2000	500	56
Clusterbean	<b>Monocot weeds</b> <i>Cyperus rotundus</i> <i>Digitaria sanguinalis</i> <b>Broad leaved Weeds</b> <i>Commelina benghalensis</i> <i>Amaranthus viridis</i>	50+75	2000	500	69
<b>Propaquizafop 5% + Oxyfluorfen 12% w/w EC</b>					
Onion	<u>Grassy weeds</u> <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinochloa colona</i> , <i>Eleusine indica</i> <u>BLW:</u> <i>Chenopodium album</i> , <i>Digera arvensis</i> <i>Amaranthus viridis</i>	43.75 +105	875	500	7
<b>Pyriftalid 31.0% w/w + Bensulfuron methyl 15.7% w/w SC</b>					

Transplanted Rice	<i>Echinochloa sp.</i> , <i>Cyperus spp.</i> , <i>Sphenochlea zeylanica</i> , <i>Ludwigia spp.</i> , <i>Eclipta alba</i> , <i>Marsilea spp.</i> , <i>Fimbristylis miliacea</i>	175 (116.1g a.i. of Pyriftalid + 58.9g a.i. of Bensulfuron methyl)	375	Upto 5 L/ha	99
<b>Pyrrithiobac Sodium 3.1 % w /w + Pendimethalin 34.0 % w/w ZC</b>					
Cotton	<i>Digitaria sanguinalis</i> , <i>Commelina benghalensis</i> , <i>Amaranthus viridis</i> , <i>Parthenium hysterophorus</i> , <i>Celosia argentic</i>	649.25-742.00 g	1.75-2.00 lt	500	152
<b>Pyrrithiobac Sodium 6% w/w+ Quizalofop-ethyl 4% w/w EC</b>					
Cotton	<i>Trianthema spp</i> <i>Digera spp</i> <i>Celosia argentic</i> <i>Dinebra retroflexa</i> <i>Digitaria marginata</i>	(60+40) to (75+50) g.a.i/ha	1.0-1.25 Ltr/ha	500	160
<b>Quizalofop ethyl 4% + Oxyfluorfen 6% EC</b>					
Onion	<i>Digitaria sanguinalis</i> (Crab grass) <i>Cyperus rotundus</i> (Moth)	100	1000	375	7
<b>Quizalofop Ethyl 10% EC + Chlorimuron Ethyl 25% WP + Surfactant (0.2) (Herbicide) (Twin pack)</b>					
Soyabean	<i>Acanthospermum sp.</i> (Aghada) <i>Alternanthera spp.</i> <i>Celosia argentic</i> <i>Borreria spp.</i> <i>Parthenium spp.</i> <i>Euphorbia geniculate</i> <i>Eragrostis pilosa E. viscosa</i> <i>Digitaria marginata</i> <i>Dactylactonium aegyptium</i> <i>Echinocloa spp.</i> <i>Cynodon dactylon</i> <i>Brachiaria ramosa</i>	Quizalofop ethyl 10% EC 37.5g Chlorimuron ethyl 25% WP 9g Surfactant 0.2%	Quizalofop ethyl 10% EC 375ml Chlorimuron ethyl 25% WP 36g Surfactant 0.2%	300	75
<b>Quizalofop ethyl 7.5% + Imazethapyr 15% w/w EC</b>					

Groundnut	<i>Dactyloctenium aegyptium</i> <i>Digitaria spp.</i> <i>Echinochloa spp.</i> <i>Cyperus rotundus</i> <i>Commelina bengalensis</i> <i>Digera arvensis</i>	32.81 + 65.625	437.5	375-500	90
Soybean	<i>Dinebra arabica</i> (Viper Grass), <i>Digitaria sanguinalis</i> (Crabgrass), <i>Dactyloctenium</i> <i>aegyptium</i> (Crowfoot grass), <i>Digera arvensis</i> (False amaranth), <i>Cynodon dactylon</i> (Bermuda grass), <i>Commelina</i> <i>benghalensis</i> (Tropical spiderwort)	32.81+65.62 5	437.5	500	75
<b>Sulfentrazone 28% + Clomazone 30% WP</b>					
Soybean	<i>Commelina benghalensis</i> , <i>Acalypha indica</i> , <i>Corchorus spp.</i> , <i>Euphorbia spp.</i> , <i>Parthenium hysterophorus</i> , <i>Echinochloa colonum</i> , <i>Brachiaria spp.</i> , <i>Dinebra spp.</i> , <i>Cyperus rotundus</i> .	350+375	1250	500	84
Sugarcane	<i>Amaranthus viridis</i> , <i>Trianthema spp.</i> , <i>Digera arvensis</i> , <i>Physalis spp.</i> , <i>Brachiaria spp.</i> , <i>Cynodon dactylon</i> , <i>Echinochloa spp.</i> , <i>Dactyloctenium</i> <i>aegyptium</i> , <i>Cyperus rotundus</i> .	700+750	2500	500	302
<b>Sulfosulfuron 75%+ Metsulfuron Methyl 5%WG</b>					
Wheat	<i>Phalaris minor</i> , <i>Chenopodium sp.</i> , <i>Medicago denticulata</i> , <i>Coronopus didymus</i> , <i>Rumex spp.</i> <i>Melilotus alba</i> , <i>Anagallis arvensis</i>	(30+2)	40 gm	250-500 + surfactant 1250 ml/ha	110

<b>Sodium Acifluorfen 16.5% + Clodinafop Propargyl 8% EC</b>					
Soybean	<i>Acalypha indica</i> , <i>aegyptium</i> , <i>Alternanthera philoxeroides</i> , <i>Amaranthus spp.</i> , <i>Celosia argentea</i> , <i>Cleome viscosa</i> , <i>Commelina benghalensis</i> , <i>Dactyloctenium</i> , <i>Digera arvensis</i> , <i>Digitaria sanguinalis</i> , <i>Echinochloa spp.</i> , <i>Eleusine indica</i> , <i>Euphorbia spp.</i> , <i>Parthenium spp.</i> , <i>Phyllanthus niruri</i> , <i>Physalis minima</i> , <i>Stellaria media</i> <i>Trianthema monogyna</i>	80 + 165	1000	500	61
<b>Topramezone 10 g/l + Atrazine 300 g/l SC</b>					
Maize	<i>Parthenium hysterophorus</i> <i>Panicum spp.</i> <i>Amaranthus viridis</i> <i>Celotia argentia</i> <i>Melilotus alba</i> <i>Alternanthera sp.</i> <i>Digitaria sanguinalis</i>	775	2500	500	90
Sugarcane	<i>Amaranthus viridis</i> <i>Cynodon dactylon</i> <i>Portulaca oleraceae</i> <i>Alternanthera sessalis</i>	930	3000	500	268
<b>Triafamone 20% + Ethoxysulfuron 10% WG</b>					
Rice Transplanted	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus rotundus</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliaceae</i> , <i>Marsilea quadrifolia</i> .	44+22.5	225	300	83
Rice Direct Seeded	<i>Echinochloa colona</i> , <i>Cyperus rotundus</i> , <i>Digera arvensis</i> , <i>Commelina benghalensis</i> .	44+22.5	225	300	83

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