



भारत सरकार

Government of India

कृषि और किसान कल्याण मंत्रालय

Ministry of Agriculture & Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture & Farmers Welfare

वनस्पति संरक्षण, संगरोध एवं संग्रह निदेशालय

Directorate of Plant Protection, Quarantine & Storage

केंद्रीय कीटनाशी बोर्ड एवं पंजीकरण समिति

Central Insecticides Board & Registration Committee

एनएच IV, फरीदाबाद-121 001 (हरियाणा)

N.H. IV, Faridabad-121 001 (Haryana)

Major Uses of Pesticides

(Registered under the Insecticides Act, 1968)

(UPTO - 30/09/2025)

(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)		
Ametryn 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</i> sp. <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</i> sp.	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 viscose</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	-
Azimsulfuron 50% DF					
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
Beflubutamid 2.5% GR					

Transplanted Paddy	<i>Ludwigia parviflora</i> , <i>Sphenoclea zeylanica</i> , <i>Eclipta alba</i> , <i>Ammannia baccifera</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Leptochloa chinensis</i> , <i>Echinochloa crusgalli</i>	250-300	10000-12000	-	87
Bensulfuron Methyl 60% DF					
Transplanted Rice Pre-emergence (3 DAT)	<i>Marsilea quadrifoliata</i> <i>Eclipta alba</i> , <i>Ammania baccifera</i> <i>Ludwigia parviflora</i> <i>Sphenoclea Zeylanica</i> , <i>Monochoria vaginalis</i> , <i>Alternanthera sessilis</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 zeylanica</i>	60 gm	100 gm	300 ltrs	71
Bentazone 480 g/l SL					
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 sps.</i> <i>Eclipta alba</i> <i>Echinochloa colanum</i> <i>Echinochloa crusgalli</i>	960	2000	500	71
Bispyribac Sodium 10% SC					

Rice (Nursery) (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 zeylenica</i>	20-25 gm	200-250 ml	300 ltrs.	78
Butachlor 50% EC					
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
Butachlor 5% GR					
Transplanted Rice	<i>Echinochloa crusgalli</i> , <i>Digitaria sanguinalis</i> , <i>Setaria spp.</i> , <i>Commelina benghalensis</i> , <i>Fimbristylis miliacea</i> , <i>Cyperus iria</i> , <i>Eleusine indica</i> , <i>Panicum spp.</i> , <i>Echinochloa colonum</i> , <i>Eclipta alba</i> , <i>Cyperus difformis</i> , <i>Ludwigia parviflora</i>	1.25 -1.87 Kg	25.00 - 37.50 Kg	-	90 - 105
Butachlor 50 % EW					

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	-
Bixlozone 4% GR					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Echinochloa crus-galli</i> , <i>Leptochloa chinensis</i>	500	12500	Not Applicable	108
Carfentrazone ethyl 40% DF					
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>Malwa 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>Spilanthes sp</i> , <i>Eclipta alba</i> <i>Cyperus sp.</i>	25	62.50	300	102
Chlorimuron Ethyl 25% WP + Surfactant					

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 g	36 g	300 ltrs. + non ionic surfactant 0.2 % (Iso- octyl phenoxy- poloxethan ol 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>	6 g	24 g	500-600	60
Cinmethylin 10% EC					
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 g	0.75-1.0 ltrs.	500-700	110
Clodinafop-propargyl 12.5% EC					
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
Clodinafop- propargyl 15% WP					
Wheat	<i>Phalaris minor</i> (Canary grass)	60 g	400 g	375-400	110
Clodinafop- propargyl 15% w/w DF					
Wheat	<i>Phalaris minor</i> (Canary grass)	60 g	400	500	70
Clethodim 25% w/w (240 g/L) EC					

Soybean	<i>Echinochloa spp.</i> , <i>Digitaria spp.</i> , <i>Cynodon dactylon</i>	120-180	500-750 ml	500	62
Clethodim 13% w/w EC (Clethodim 12% w/v EC)					
Cotton	Jungle rice (<i>Echinochloa colona</i>), Large crabgrass (<i>Digitaria sanguinalis</i>), Running grass (<i>Brachiaria reptans</i>), Viper grass (<i>Dinebra arabica</i>), Crowfoot grass (<i>Dactyloctenium aegyptium</i>)	120	1000	500	135
Soybean	Jungle rice (<i>Echinochloa colona</i>), Large crabgrass (<i>Digitaria sanguinalis</i>), Running grass (<i>Brachiaria reptans</i>), Viper grass (<i>Dinebra arabica</i>), Crowfoot grass (<i>Dactyloctenium aegyptium</i>), Goosegrass (<i>Eleusine indica</i>), Bermuda grass (<i>Cynodon dactylon</i>)	120	1000	500	76
Onion	Jungle rice (<i>Echinochloa colona</i>), Large crabgrass (<i>Digitaria sanguinalis</i>), Running grass (<i>Brachiaria reptans</i>), Crowfoot grass (<i>Dactyloctenium aegyptium</i>), Goosegrass (<i>Eleusine indica</i>)	120	1000	500	69
Clomazone 50% EC					
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>Echinochloa 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
Cyhalofop Butyl 10% EC					
Rice (Direct seeded)	<i>(Echinochloa spp.)</i> <i>Barnyard grass</i>	75-80 gm	0.75- 0.80ltr	500-600	90
2,4-D Amine salt 22.5% SL					
Sorghum	<i>Cyperus iria</i> , <i>Striga spp.</i> , <i>Trianthema spp.</i> , <i>Euphorbia hirta</i> , <i>Digera arvensis</i>	1.4 kg	6.25 kg	500-600	-
Maize	<i>Trianthema monogyna</i> , <i>Portulaca oleracea</i> , <i>Amaranthus spp.</i> , <i>Cyperus iria</i>	1.41 kg	6.25 kg	400-500	50-60
Wheat	<i>Chenopodium album</i> , <i>Fumaria parviflora</i> , <i>Melilotus alba</i>	0.42 kg	1.875 kg	500	-
Sugarcane	<i>Cyperus iria</i> , <i>Digitaria spp.</i> , <i>Digra rvensis</i> <i>Portulaca oleracea</i> , <i>Commelina benghalensis</i>	2.81	12.3	500	-
Potato	<i>Chenopodium spp.</i> , <i>Cyperus iria</i> , <i>Portulaca oleracea</i>	2.00 kg	8.80 kg	400	-
Tea	<i>Portulaca oleracea</i> , <i>Ageratum spp.</i> , <i>Digitaria spp.</i> , <i>Paspalum spp.</i> , <i>Setaria spp.</i> , <i>Polygonum spp.</i>	1.41 kg	6.25	500	-
2,4-D Amine salt 58% SL					
Maize	<i>Trianthema monogyna</i> , <i>Amaranthus spp.</i> , <i>Tribulus terrestris</i> , <i>Boerhavia diffusa</i> , <i>Euphorbia hirta</i> , <i>Portulaca oleracea</i> , <i>Cyperus spp.</i>	0.5 kg	0.86	400-500	50-60

Wheat	<i>Chenopodium album</i> , <i>Fumaria parviflora</i> , <i>Melillotus alba</i> , <i>Vicia sative</i> , <i>Asphodelus tenuifolius</i> , <i>Convolvulus arvensi</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>Dactyloctenium 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	-
2,4-D Sodium Salt 95% SP {Earlier Registered as 2,4-D Sodium Salt Technical (having 2,4-D acid 80 % w/w) or 2,4-D Sodium Salt 80%WP)}					
Grapes	<i>Convolvulus spp.</i> <i>Tridax procumbens</i>	2.0	2.5	500	> 90 days
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
Maize	<i>Amaranthus viridis</i> , <i>Trianthema portulacastrum</i> , <i>Phyllanthus niruri</i> ,	1.0 kg	1.25	500	120 (Pre-em) 90 (Post-em)

	<i>Euphorbia geniculata</i> , <i>Amaranthus spinosus</i> , <i>Cleome chelidonii</i> , <i>Lagascea mollis</i>				
Sugarcane	<i>Boerhavia 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 argentea</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 hispida</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 spp.</i> , <i>Portulaca oleracea.</i> , <i>Tribulus terrestris</i> , <i>Boerhavia diffusa</i> , <i>Euphorbia hirta</i> , <i>Cyperus spp.</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 spp.</i> , <i>Dactyloctenium aegyptium</i> , <i>Digera arvensis</i> , <i>Portulaca oleracea</i> , <i>Commelina benghalensis</i> , <i>Amaranthus spp.</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 spp.</i> <i>Euphorbia hirta</i> <i>Cyperus spp.</i>	0.9	5.0	625	-
Sorghum	<i>Convolvulus arvensis</i>				
Wheat	<i>Chenopodium slbum</i> <i>Malilots alba</i>				
Paddy	<i>Echinochloa colonum</i> <i>Echinochloa crusgalli</i>				
2,4-D Ethyl Ester 4.5 % GR (having 2,4-D acid 4 % w/w)					
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	-	-
Dicamba 48% w/v SL					

Maize	<i>Trianthema portulacastrum</i>	360	750	500	69
Wheat	<i>Chenopodium album</i>	240	500	500	91
Diclofop Methyl 28% EC					
Wheat	<i>Avena fatua,</i> <i>Phalaris minor</i>	0.7-1.0 kg	2.5-3.5 ltr	500	90
Diuron 80% WP					
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 strumerium,</i> <i>Anagallis arvensis,</i> <i>Asphodelus temifolius,</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 zeylenica</i>	1.60 kg	2 kg.	625	-
Rubber	<i>Grasses & Non grasses</i>	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 spp.,</i> <i>Amaranthus spp.,</i> <i>Phyllanthus niruri</i>	0.8 kg	500.30 kg.	600	-
Citrus (sweet orange)	<i>Cyperus iria,</i> <i>Tribulus Terristris,</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 oleracea,</i> <i>Echinochloa crusgalli,</i> <i>Cyanotis spp.,</i> <i>Amaranthus spp.,</i> <i>Convolvulus spp.,</i>	1.6-3.2kg	2.0-4.0 kg.	600	-

	<i>Digitaria spp.</i>				
Grapes	<i>Cleome viscosa</i> , <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 strumarium</i> , <i>Fumaria parviflora</i> , <i>Asphodelus tenuifolius</i> , <i>Medicago denticulata</i> , <i>Eleusine aegyptia</i> .	1.6kg	2.0 kg.	625	-
Diclosulam 84% WDG					
Soybean	<i>Cyperus spp.</i> , <i>Commelina benghalensis</i> , <i>Euphorbia geniculata</i> , <i>Digera arvensis</i> , <i>Acalypha 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 spp.</i> , <i>Euphorbia enticulat</i> , <i>Cyperus spp.</i> , <i>Echinochloa colona</i>	22-26 g	26.2-30.9	-	77
Ethalfluralin 35.65% w/w EC (36% EC)					
Cotton	<i>Echinochloa colona</i> , <i>Dactyloctenium aegyptium</i> , <i>Chenopodium album</i>	720	2000	500	107
Potato	<i>Phalaris minor</i>	720	2000	500	92
Soyabean	<i>Echinochloa colona</i> , <i>Digera arvensis</i> , <i>Panicum maximum</i> , <i>Trianthema portulacastrum</i>	720	2000	500	107
Ethoxysulfuron 15% WDG					

Transplanted Rice	<i>Fimbristylis miliacea</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Scirpus sp.</i> , <i>Eclypta alba</i> , <i>Marsilea quadrifoliata</i> , <i>Ammania baccifera</i> , <i>Monochoria vaginalis</i>	12.5-15 g	83.3-100gm	500	110
Sugarcane	<i>Cyperus rotundus</i>	60	400	500	205
Fenoxaprop-p-ethyl 9% w/w DF					
Transplanted Paddy	<i>Echinochloa crusgalli</i> (barnyard grass), <i>Echinochloa colona</i> (jungle rice)	56.25 g	625	500	65
Fenoxaprop-p-ethyl 9.3% w/w EC (9% w/v)					
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	<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 aegyptium</i>	56.25-67.5 g	625-750 ml (15-20 DAS)	375-500	43
Cotton	<i>Echinochloa sp.</i> <i>Eleusine indica</i> <i>Dactyloctenium aegyptium</i> <i>Eragrostis minor</i>	67.5 g	750 ml (20 -25 DAS)	375-500	87
Onion	<i>Echinochloa colonum</i> <i>Dactyloctenium aegyptium</i>	78.75	875	375	10
Groundnut	<i>Echinochloa spp.</i>	78.75	875	375	89
Jute	<i>Echinochloa spp.</i>	67.5	750	375	5
Fenoxaprop-p-ethyl 10% EC					
Wheat	<i>Phalaris minor</i>	100-120 g	1.0-1.20 kg	250-300	110
Fenoxaprop-p-ethyl 6.7% w/w EC					

Rice (Transplanted & Direct Seeded)	<i>Echinochloa sp.</i>	56.6-60.38 g	812.5-875	375-500	61
Flazasulfuron 10% w/w WP					
Sugarcane	<i>Cyperus rotundus</i> , <i>Echinochloa colona</i> , <i>Brachiaria</i>	50	500	500	213
Florpyrauxifen-benzyl 2.7% w/w EC					
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
Fluazifop-p-butyl 13.4% EC					
Soybean	<i>Echinochloa colonum</i> , <i>Echinolchloa 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
Flucetosulfuron 10% WG					
Rice (Transplanted)	<i>Echinochloa colonum</i> <i>Echinolchloa crusgalli</i> <i>Digitaria sanguinalis</i> <i>Paspalum discichum</i> <i>Paspalum scrobitulatum</i>	25	250	500	90

	<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 miliaceae</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 ciliata</i> <i>Ludwigia parviflora</i> <i>Sphenoclea zeylanica</i> <i>Commelina diffusa</i> <i>Cyanotis axillaris</i>				
Fluchloralin 45% EC					
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> <i>(germinating)</i> <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 hispida</i> , <i>Cyperus compestris</i> ,	1.0-1.5 kg	2.22-3.33	500-800	120-150
Flufenacet 60% DF					
Paddy (Transplanted)	<i>Echinochloa crusgalli</i> <i>Echinochloa colonum</i> <i>Cyperus iria</i>	120 g	200 gm	500	90-110
Flumioxazin 50% SC					

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	250 ml/ha	500	110
Wheat	<i>Rumex 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
Groundnut	<i>Amaranthus viridis</i> , <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus rotundus</i>	125	250	500	92
Sugarcane	<i>Chenopodium album</i> , <i>Echinochloa colona</i> , <i>Eleusine indica</i>	150-175	300-350	500	267
Fluroxypyr meptyl 48% w/v (45.5% w/w) EC					
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> <i>Trianthema spp.</i>	324 to 360	675 to 750 ml/ha		71 days
Fluthiacet Methyl 10.3% EC					
Soybean	<i>Commelina sp</i> , <i>Digera arvensis</i> , <i>Acalypha indica</i> , <i>Amaranthus viridis</i> .	13.6	125	500	73
Glufosinate Ammonium 13.5% SL (15% w/v)					
Tea	<i>Panicum repens</i> , <i>Borreria hispidia</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 aegyptium</i>	375-450 g	2.5-3.0	500	96
Glufosinate ammonium 50 % WG					
Non-crop area	<i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i> , <i>Echinochloa colonum</i> , <i>Cynodon dactylon</i> , <i>Parthenium hysterophorus</i> , <i>Phyllanthus niruri</i> , <i>Euphorbia hirta</i> , <i>Ageratum conyzoides</i> , <i>Cyperus rotundus</i>	500	1000	500	-
Glyphosate 20.2% SL IPA salt					
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 portulacastrum</i>	0.82-1.23 kg	4.1-6.15	400-500	N/A
Glyphosate Ammonium salt 20 % SL					
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 hysterophorus</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>	4.52-6.79g a.i./litre	20-30ml/lit	300-600	-

	<i>Ageratum conyzoides</i>				
Glyphosate 41% SL IPA Salt					
Non-cropped area	<i>Sorghum halepense</i> 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 cylindrica</i> <i>Kalm grass</i> <i>Paspalum scrobiculatum</i> <i>Polygonum perfoliatum</i>	0.820-1.230 kg	2.0-3.0	450	21
Glyphosate 54% SL (IPA Salt)					
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	-
Glyphosate Ammonium Salt 5% SL					
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>Cyperus rotundus</i> <i>Digera arvensis</i> <i>Digitaria sanguinalis</i> <i>Eragrostis minor</i> <i>Euphorbia spp.</i> <i>Parthenium hysterothorus</i> <i>Tribulus terrestris</i> <i>Xanthium stremerium</i>	2 kg.	40 ltrs.	500	-
Glyphosate 71% SG (Ammonium Salt)					

Tea & Non-crop area	<i>Acalypha indica</i> <i>Ageratum conyzoides</i> <i>Cychorium intybus</i> <i>Digera arvensis</i> <i>Cynodon dactylon</i> <i>Cyperus rotundus</i> <i>Digitaria sanguinalis</i> <i>Eragrostis spp.</i> <i>Ipomea digitaria</i> <i>Paspalum conjugatum</i> <i>Sida aculata</i>	2.13 kg	3.0 kg.	500	7
Glyphosate Potassium Salt 41.60 % w/w SL (Equivalent to 54% w/v)					
Non cropped area	<i>Digitaria sanguinalis</i> (Crab grass), <i>Cynodon dactylon</i> (Bermuda grass), <i>Digera arvensis</i> , <i>Sorghum halepense</i> (Johnson grass), <i>Amaranthus spinosus</i> (Pigweed)	2160-2430	4000-4500	500	-
Halosulfuron Methyl 75% WG					
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
Haloxypop R Methyl 10.5% w/w EC					
Soybean	<i>Brachiaria sp.</i> <i>Digitaria sanguinalis</i> <i>Dinebra arabica</i> <i>Echinochloa spp.</i> <i>Eleusine indica</i> <i>Eragrostis spp.</i> <i>Panicum isochmi</i>	108-135	1000-1250	500	60
Onion	<i>Dinebra retroflexa</i> <i>Echinochloa colona</i> <i>Brachiaria eruciformis</i> <i>Panicum isochmi</i> <i>Cynodon dactylon</i>	108	1000	500	78
Blackgram	<i>Echinochloa colona</i> <i>Dactyloctenium aegyptium</i>	108	1000	500	60

	<i>Cynodon dactylon</i> <i>Digitaria sanguinalis</i>				
Mentha	<i>Echinochloa colona</i> <i>Dactyloctenium aegyptium</i> <i>Digitaria sanguinalis</i> <i>Brachiaria mutica</i> <i>Eleusine indica</i>	108	1000	500	7
Cotton	<i>Echinochloa colona</i> <i>Cynodon dactylon</i> <i>Dactyloctenium aegyptium</i>	108	1000	375	86
Imazethapyr 10% SL					
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 arabica</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 g a.i./ha+ 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 g a.i./ha+ MSO adjuvant @2 ml/litre of water	750 ml+MSO adjuvant @ 2ml/ha of water.	375	46
Red gram	<i>Digitaria sanguinalis</i> <i>Dinebra retroflexa</i>	75 g a.i./ha+ MSO adjuvant @2 ml/litre of water	750 ml+MSO adjuvant @ 2ml/ha of water.	375	125

Direct seeded Imazethapyr- Herbicide Tolerant Rice	<i>Echinochloa colona</i> , <i>Cyperus iria</i>	100	1000	375-500	75
Imazethapyr 70% WG + Surfactant					
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 axillaris</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
Ipencarbazone 25% SC (22.81% w/w)					
Transplanted Rice	<i>Echinochloa crusgalli</i> (Sanwak), <i>Ludwigia parviflora</i> (Ban long), <i>Eclipta alba</i> (Bhringraj), <i>Ammania baccifera</i> (Banmirich), <i>Cyperus iria</i> & <i>Cyperus</i> <i>difformis</i> (Motha)	125	500	500	91
Isoproturon 50% WP					
Wheat	<i>Phalaris minor</i> <i>Avena fatua</i> <i>Poa annua</i>	1.0 kg	2.0	750	-
Isoproturon 75% WP					
Wheat	<i>Phalaris minor</i> <i>Avena fatua</i> <i>Poa annua</i>	1.0 kg	1.33 kg.	750	60 days
MCPA, Amine salt 40% WSC					
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 denticulate</i> , <i>M. lupulina</i> , <i>Spergula arvensis</i> , <i>Argemone maxicana</i> , <i>Phyllanthus niruri</i>	1.0 kg	2.5	300-600	
Metamifop 10% EC					
Direct seeded Rice	<i>Barnyard grass</i> (<i>Echinochloa spp.</i>), <i>Sacchilepis</i> <i>Dactyloctenium</i> , <i>Digitaria</i> , <i>Panicum</i>	100 g	1000 ml	350	87
Metazosulfuron 33% w/w WG					
Transplanted Rice	<i>Echinochloa colonum</i> (Jungle Rice), <i>Echinochloa crusgalli</i> (Barnyard grass), <i>Ammannia</i> <i>baccifera</i> (Blistering Ammannia), <i>Ludwigia</i> <i>parviflora</i> (Water Primrose), <i>Eclipta alba</i> (False Daisy), <i>Cyperus iria</i> (Ricefield Flatsedge)	132	400	500	99
Metamitron 70% SC					
Sugarbeet	<u>Sedges & Grasses</u> <i>Cynodon dactylon</i> <i>Cyperus rotundus</i> <i>Dactyloctenium aegyptium</i> <u>Broad Leaves</u> <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
Methabenzthiazuron 70% WP					

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 monspeliensis</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
Metolachlor 50% EC					
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	-
Metribuzin 70% WP					
Soybean	<i>Cyperus campestris</i> , <i>Eragrostis spp.</i> , <i>Digitaria spp.</i> , <i>Cyperus esculentus</i> , <i>Borreria spp.</i>	0.350-0.525 kg	0.5-0.75 kg	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>Asphodelus 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>	Pre- emergence: 1.05 - 2.0 (At first workable spray condition or 3-5 DAP) Or Post- emergence: 1.05 - 1.4 (25 - 30	1.5-2.0 1.5-3.0	750-1000 750-1000	60 60

		DAP)			
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>	0.525 (Pre-emergence 3-4 DAP or Post-emergence between emergence and time when the first potato plants have reached height of 5 cm)	0.750	750-1000	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> , <i>Setaria glauca</i> , <i>Commelina benghalensis</i>	0.525 (Pre-planting a week before transplantin g or Post planting 15 DAT)	0.750	750-1000	30
Metribuzin 70% WG					
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
Metsulfuron Methyl 20% WP					

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 Phenoxyl- 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 spp.</i> , <i>Cleome viscosa</i> , <i>Solanum spp.</i> , <i>Commelina benghalensis</i> , <i>Euphorbia spp.</i> , <i>Digera spp.</i>	6	30	500-600 (Add non - ionic surfactant Iso-octyl- phenoxyl - poloxethan ol 12.5% @ 2ml per liter of spray volume (0.2%))	346
Metsulfuron Methyl 20% WG					
Wheat	<i>Chenopodium album</i> <i>Melilotus indioca</i> <i>Melilotus alba</i> <i>Lathyrus aphaca</i> <i>Anagallis 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 Phenoxyl- Poloxethan ol 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 junceum</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- Poloxethan ol 12.5%) @0.2%	71
Sugarcane	<i>Amaranthus viridis</i> , <i>Ipomoea spp.</i> , <i>Euphorbia hirta</i> , <i>Phyllanthus niruri</i> , <i>Cleome viscosa</i> , <i>Commelina benghalensis</i> , <i>Trianthema spp.</i> , <i>Portulaca oleracea</i>	6	30g + Non- ionic surfactant @ 2 ml/l of water	500	346
Orthosulfamuron 50% WG					
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
Oxadiargyl 80% WP					
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
Cabbage	<i>Cynodon dactylon</i> , <i>Digitaria sanguinalis</i>	200	250	500	100
Oxadiargyl 6% EC					
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
Oxadiazon 25% EC					
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	-
Oxyfluorfen 0.35% GR					
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 miliacea</i> , <i>Marsilea spp</i>	100-150 g	30-40 kg	-	-
Oxyfluorfen 20% DF					
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
Oxyfluorfen 23.5% EC					
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> ,	206	904.3	500	10

	<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>				
Paraquat dichloride 24% SL					
Tea (Post-emergence directed inter row application at 2-3 leaf stage of weeds)	<i>Imperata</i> <i>Setaria sp.</i> , <i>Commelina benghalensis</i> , <i>Boerraria hispida</i> , <i>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.</i> <i>Anagallis arvensis</i> <i>Trianthema monogyna</i> <i>Cyperus rotundus</i> <i>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</i> , <i>Cyperus iria</i> , <i>Trianthema monogyna</i> , <i>Corchorus spp.</i> , <i>Leucas aspera</i> , <i>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.</i> , <i>Eragrostis sp.</i> , <i>Fimbristylis sp.</i>	0.3-0.6 kg	1.5-2.5	600	N.A.
Coffee	<i>Digitaria marginata</i> , <i>paspalum Conjugatum</i> , <i>Ageratum conyzoides</i> , <i>Borreria hispida</i> , <i>Euphorbia hirta</i> , <i>Commelina benghalensis</i> ,	250	1.0	400	N.A.

	<i>Eleusine indica</i>				
Rice [p r e - p l a n t (minimum tillage) before sowing/transplan ting for controlling standing weeds]	<i>Echinochloa crusgalli</i> , <i>Cyperus iria</i> , <i>Ageratum conyzoides</i> , <i>Commelina benghalensis</i> , <i>Marsilea quadrifoliata</i> , <i>Brachiaria mutica</i>	0.3-0.8 kg	1.25-3.5	500	N.A.
Wheat [p r e - p l a n t (minimum tillage) before sowing]	<i>Grassy & Broad leaf weeds</i>	1.0 kg	4.25 ltrs	500	120-150
Maize [p r e - p l a n t (minimum tillage) before sowing]	<i>Cyperus rotundus</i> , <i>Commelina benghalensis</i> , <i>Trianthema monogyna</i> , <i>Amaranthus spp.</i> , <i>Echinochloa spp.</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</i> , <i>Cyperus rotundus</i> , <i>Commelina benghalensis</i> , <i>Amaranthus spp.</i> , <i>Echinochloa spp.</i> , <i>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</i> <i>Cynodon dactylon</i> <i>Convolvulus sp.</i> <i>Portulaca sp.</i> <i>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</i> <i>Rosa eglantaria</i> <i>Rubus ellipticus</i>	0.75 kg	3.25 ltrs	700-1000	N.A.
Aquatic weed control					
Water ways Canals, Ponds Etc.	<i>Eichhornia crassipes</i> <i>Hydrilla</i> <i>Typha latifolia</i>	1000 1000 1000-2000	4.25 4.25 4.25-8.5	600-1000 600 600-1000	N.A
Pendimethalin 30% EC					
Wheat	<i>Phalaris minor</i> , <i>Chenopodium album</i> , <i>Melilotus alba</i> , <i>Portulaca oleracea</i> ,	Light soil- 1.0 kg,	3.3 ltr.	500-700	-

	<i>Anagallis arvensis</i> , <i>Fumaria parviflora</i> , <i>Poa annua</i>	Medium soil-1.25 kg, Heavy soil- 1.5 kg	4.2 5.0	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</i> <i>spp.</i> , <i>Amarnanthus 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
Pendimethalin 5 % G					
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	-	-
Pendimethalin 38.7% CS					

Soybean	<i>Echinochloa colonum</i> <i>Dinebra arabica</i> <i>Digitaria sanguinalis</i> <i>Brachiaria 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 arabica</i> , <i>Brachiaria mutica</i> , <i>Eragrostis minor</i> , <i>Lantana camara</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 arabica</i> , <i>Brachiaria mutica</i> , <i>Amaranthus spp.</i> , <i>Portulaca oleracea</i> , <i>Commelina spp.</i> , <i>Parthenium hysterophorus</i> , <i>Digera arvensis</i> , <i>Physalis minima</i>	580.5- 677.25 g	1500-1750	500	98
Onion	<i>Dactyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Echinochloa spp.</i> , <i>Dinebra arabica</i> , <i>Portulaca oleracea</i> , <i>Euphorbia geniculata</i> , <i>Commelina spp.</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 spp.</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

Pinoxaden 5.1% EC						
Wheat	Phalaris minor, Avena ludoviciana		40-45 g	800-900 ml 30-35 DAS	225-300	90
Penoxsulam 21.7 % SC						
Rice (Transplanted)	Ammania bacifera, Cyperus difformis, Echinochloa colonum, Echinochloa crusgalli, Cyperus iria, Fimbristylis miliacea, Ludwigia spp. Monochoria spp. Sphenecela zeylanica,		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)	Cyperus difformis, Eclipta alba		22.5	93.75	300	60
Penoxsulam 2.67% OD						
Rice (Transplanted Rice)	Grasses	Echinochloa Colona Echinochloa crusagalli	22.5-25	900-1000 ml/ha	300-500	60
	Sedges	Cyperus difformis				
	Broad Leaved Weeds	Caesulia axillaris				
Rice (Direct Seeded Rice)	Grasses	Echinochloa colona	25	1000	375	85
	Sedges	Cyperus difformis				
	Broad Leaved Weeds	Eclipta alba				
Pretilachlor 37% EW						
Transplanted Rice	Echinochloa crusgalli Echinochloa colonum Cyperus difformis Cyperus iria Digitaria sanguinalis Fimbristylis miliacae Eclipta alba Ludwigia parviflora Monochoria vaginalis		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>Echinochloa colonum</i> <i>Cyperus difformis</i> <i>Cyperus iria</i> <i>Fimbristylis miliacea</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>Echinochloa crusgalli</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</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
Tomato	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	31

Cluster bean	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	63
Chickpea	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	39
Chilli	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	31
Sesamum	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i>	62.5	625	500	59
Propanil 35% EC					
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
Propanil 80% w/w DF					
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
Pyrazosulfuron Ethyl 10% WP					

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
Pyribenzoxim 5% EC w/w					
Transplanted paddy	<i>Alternanthera sessilis</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Echinochloa colona</i>	30	600	300	79
Direct seeded paddy	<i>Alternanthera sessilis</i> , <i>Cyperus iria</i> , <i>Echinochloa colona</i> , <i>Parthenium hysterophorus</i>	30	600	300	89
Nursery paddy	<i>Cyperus iria</i> , <i>Echinochloa colona</i> , <i>Eclipta prostrata</i>	30	600	300	-
Pyrithiobac Sodium 10% EC					
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
Pyroxasulfone 85% w/w WG					
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 portulacastrum</i> , <i>Amaranthus viridis</i> , <i>Digera arvensis</i>	127.5 g	150 ml	500	94
Pyrazosulfuron Ethyl 70% WDG					
Transplanted Rice	<i>Echinichloa spp</i> , <i>Cyperus rotundus</i> , <i>Ludwigia parviflora</i>	21	30	500	43
Pyraflufen-ethyl 2.5%EC					

Cotton	<i>Defoliant for better and uniform boll opening and easy picking and also to facilitate for mechanical harvesting</i>	4.0	160	500	20
Quinclorac 250g/l SC					
Rice	<i>Echinochloa spp.</i> (Barnyard grass), <i>Panicum repens</i> (Creeping panic)	187.5 - 250	750-1000	500	78
Quizalofop-ethyl 5% EC					
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 colomum</i> , <i>Dinebra retroflexa</i> <i>Digiteria marginata</i>	50.5	1000	500	94
Groundnut	<i>Echinochloa colomum</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
Quizalofop-ethyl 10% EC					
Soyabean	<i>Love grass (eragrosts 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
Quizalofop –p-tefuryl 4.41% EC					

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
Saflufenacil 70.0% w/w WG					
Non Cropped Areas	<i>Cyperus rotundus</i> <i>Dactyloctenium 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>Euphorbia hirta</i> <i>Parthenium hysterophorus</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>Commuenila benghalensis</i> <i>Lantana camara</i>	70	100	450	7
Sulfentrazone 39.6% w/w SC					
Soybean	<i>Acalypha sp.</i> , <i>Commelina sp.</i> , <i>Digera sp.</i> , <i>Cyperus sp.</i> <i>Echinochloa sp.</i> , <i>Brachiaria sp.</i> , <i>Dinebra sp.</i>	360	750	500	88
Sugarcane	<i>Trianthema spp.</i> , <i>Digera spp.</i> , <i>Amaranthus spp.</i> , <i>Phyllanthus spp.</i> , <i>Euphorbia spp.</i> , <i>Dactyloctenium spp.</i> , <i>Digitaria spp.</i> , <i>Brachiaria spp.</i> , <i>Echinochloa spp.</i> ,	720	1500	500	306

	<i>Cynodon spp.</i> , <i>Cyperus spp.</i>				
Sulfosulfuron 75% WG					
Wheat	<i>Phalaris minor</i> <i>Chenopodium sp.</i> <i>Melilotus alba</i>	25 gm	33.3 gm	200-250 + Cationic surfactant 1250ml/ha	110
Tembotrione 34.4% SC					
Maize	<i>Echinochloa spp.</i> , <i>Trianthema portulacastrum</i> , <i>Brachiaria spp.</i>	120 g	286 ml	500	55
Tolpyralate 40% (w/v) SC					
Maize	<i>Chenopodium album</i> , <i>Trianthema portulacastrum</i> , <i>Echinochloa colona</i> , <i>Cyperus rotundus</i>	50	125	500	61
Topramezone 336 g/l w/v SC					
Maize	<i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinochloa 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>Celosia 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
Triallate 50% EC					
Wheat	<i>Avena fatua</i>	1.25 kg	2.5 kg.	250-500	150
Triasulfuron 20% WG					

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 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
Triafamone 18.52% w/w SC					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Eclipta</i> <i>alba</i> , <i>Dinebra retroflexa</i>	50	250	375	84
Rice - Direct seeded	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Eclipta</i> <i>alba</i> , <i>Sphenoclea zeylanica</i>	50	250	375	84

HERBICIDE COMBINATIONS

Ametryn 73.1% w/w + Trifloxysulfuron sodium 1.8% w/w WG					
Sugarcane	<i>Echinochloa colona</i> , <i>Cynodon dactylon</i> , <i>Cyperus rotundus</i> , <i>Amaranthus viridis</i> , <i>Trianthema spp.</i> , <i>Digitaria sanguinalis</i>	937.5-1125	1250-1500	500	221
Aclonifen 40.65 %w/w + Diflufenican 8.13% w/w SC					
Wheat	<i>Phalaris minor</i> , <i>Chenopodium album</i> , <i>Melilotus indica</i> , <i>Medicago denticulata</i> , <i>Rumex dentatus</i>	875 + 175	1750	500	82
Aclonifen 36.89 % w/w + Diflufenican 6.15% w/w + Pyroxasulfone 4.10 % w/w SC					
Wheat	<i>Phalaris minor</i> , <i>Rumex dentatus</i> , <i>Cyperus rotundus</i>	787.5 + 131.25 + 87.5 to 900 + 150+ 100	1750 - 2000	375 - 500	94
Anilofos 24% +2,4-D ethyl Ester 32% EC					
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
Bensulfuron methyl 0.6%+Pretilachlor 6% GR					
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 g	10 kg	N.A.	88
Bensulfuron-Methyl 4.8 % + Pretilachlor 48% OD					

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
Bispyribac Sodium 0.25% + Penoxsulam 0.25% + Pyrazosulfuron Ethyl 0.20% GR					
Transplanted rice	<i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i> , <i>Monochoria vaginalis</i> , <i>Ludwigia parviflora</i> , <i>Ammania baccifera</i> , <i>Echinochloa colona</i> , <i>Sphenoclea zeylanica</i>	25 + 25 + 20	10000 g	-	73
Bispyribac sodium 2% + 2,4-D sodium salt 54.3% w/w SP					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus iria</i> , <i>Ammania baccifera</i> , <i>Alternanthera 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>Digitariasanguinalis</i> , <i>Cyperus iria</i> , <i>Ammania baccifera</i> , <i>Alternanthera philoxeroides</i> , <i>Ludwigia parviflora</i> , <i>Marsilea quadrifolia</i>	25.0 + 678.75	1250 + 625 ml surfactant	500	79
Bispyribac Sodium 7.6 % + Fenoxaprop-p-ethyl 11.4 % w/w WG					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Cynodon dactylon</i> , <i>Leptochloa chinensis</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i>	94.6 (37.8 + 56.8)	500	500	54
Bispyribac Sodium 9.5% + Penoxsulam 7.8% w/v SC					
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>				
Bispyribac-Sodium 15% + Metsulfuron-methyl 2.4% + Chlorimuron ethyl 3.6% OD					
Transplanted Rice	<i>Echinochloa colona,</i> <i>Echinochloa crusgalli,</i> <i>Cyperus iria, Fimbristylis miliacea, Ludwigia parviflora</i>	26.25 + 4.2 + 6.3	175	375	81 days
Bispyribac Sodium 20% + Pyrazosulfuron Ethyl 15% WDG					
Rice	<i>Echinochloa colonum,</i> <i>Echinochloa crusgalli</i> <i>Eclipta alba,</i> <i>Cyperus rotundus</i>	20+15	100	500	130
Bispyribac Sodium 38% + Chlorimuron ethyl 2.5%+ Metsulfuron Methyl 2.5% (w/w) WG					
Rice (Transplanted)	<i>Echinochloa colonum,</i> <i>Cyperus difformis,</i> <i>Fimbristylis miliacea,</i> <i>Eclipta alba,</i> <i>Ludwigia parviflora,</i> <i>Sphenoclea zeylanica,</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 zeylanica,</i> <i>Scirpus Sp.</i>	43	100	500	64
Bixlozone 50% + Metribuzin 10% WG					
Wheat	<i>Phalaris minor,</i> <i>Poa annua,</i> <i>Medicago denticulata,</i> <i>Rumex dentatus,</i> <i>Coronopus didymus,</i> <i>Chenopodium album</i>	625+125 - 750+150	1250 - 1500	500	120
Carfentrazone ethyl 0.43% + Glyphosate 30.82% EW					
Tea	<i>Ageratum conyzoides</i> <i>Bidens pilosa</i> <i>Borreria sp.</i> <i>Crassocephalum</i> <i>Crepidioides</i> <i>Cynodon sp.</i>	12.90 +924.60	3000	500	7

	<i>Cyperus sp.</i> <i>Digitaria sp.</i> <i>Eleusine indica</i> <i>Mimosa sp.</i> <i>Mitracarpus villosus</i> <i>Oxalis sp.</i>				
Non-cropped area	<i>Ageratum conyzoides</i> <i>Axonopus sp.</i> <i>Brachiaria sp.</i> <i>Commelina sp.</i> <i>Cynodon dactylon</i> <i>Cyperus sp.</i> <i>Digitaria sp.</i> <i>Eleusine indica</i> <i>Imperata cylindrica</i> <i>Lantana camara</i> <i>Parthenium sp.</i>	12.90 +924.60	3000	500	--
Carfentrazone ethyl 20% + Sulfosulfuron 25% WG					
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
Clodinafop-Propargyl 12.25% + Oxyfluorfen 14.7% EC					
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
Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP					
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
Clodinafop propargyl 9% + Metribuzin 20% WP (w/w)					

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 retroflexa</i>	54+120	600	300	120
Clomazone 20%+2,4-D Ethyl Ester 30% EC					
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
Clomazone 22.5% w/w + Metribuzin 21% w/w WP					
Sugarcane	<i>Trianthema spp.</i> , <i>Amaranthus viridis</i> , <i>Phyllanthus niruri</i> , <i>Brachiaria spp.</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinochloa spp.</i> , <i>Digitaria spp.</i> , <i>Cynodon dactylon</i>	563 + 525	2500	500L	307 days
2,4-D sodium salt 44% + Metribuzin 35% + Pyrazosulfuron ethyl 1.0% WDG					
Sugarcane	<i>Echinochloa spp</i> , <i>Eleusine indica</i> , <i>Brachiaria spp.</i> , <i>Digitaria spp.</i> , <i>Dactyloctenium aegyptium</i> , <i>Eclipta alba</i> , <i>Chenopodium album</i> , <i>Physalis minima</i> , <i>Portulaca oleracea</i> , <i>Parthenium hysterophorus</i> , <i>Cyperus spp.</i>	1320 + 1050 + 30	3000	500	249
2,4-D Sodium Salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG					
Sugarcane	<i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Commelina benghalensis</i> , <i>Cyperus iria</i> , <i>Parthenium hysterophorus</i> ,	2020	2500	500	315

	<i>Physalis minima</i>				
2,4-D Sodium Salt 50% (w/w) + Metribuzin 15% (w/w) WP					
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
Diclosulam 0.9% + Pendimethalin 35% SE					
Groundnut (Pre-emergence)	Grasses: <i>Echinochloa colona</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , Sedges: <i>Cyperus rotundus</i> Broad leaf weeds: <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Trianthema portulacastrum</i> , <i>Amaranthus viridis</i> , <i>Euphorbia hirta</i>	22.5 + 875	2500	500	102
Soybean (Pre-emergence)	Grasses: <i>Echinochloa colona</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Eleusine indica</i> Sedges: <i>Cyperus iria</i> Broad leaf weeds: <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Trianthema portulacastrum</i> , <i>Amaranthus viridis</i> , <i>Euphorbia hirta</i>	22.5 + 875	2500	500	107
Soybean (Pre-plant incorporation)	Grasses: <i>Echinochloa colona</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Eleusine indica</i> Sedges: <i>Cyperus iria</i> Broad leaf weeds: <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Trianthema portulacastrum</i> , <i>Amaranthus viridis</i> , <i>Euphorbia hirta</i>	22.5 + 875	2500	500	107

Diuron 25.6% w/w + Glyphosate 14.4% w/w + Oxyfluorfen 11.5% w/w SC					
Non-crop area	<i>Cyperus rotundus</i> , <i>Digitaria sanguinalis</i> , <i>Cynodon dactylon</i> , <i>Eluesine indica</i> , <i>Parthenium hysterophorus</i> , <i>Abutilon indicum</i> , <i>Ageratum conyzoides</i>	431.25 + 960 + 540	3750	500	-
Fenoxaprop-p-Ethyl 5% + Chlorimuron Ethyl 0.6% + Pretilachlor 50 % ME					
Transplanted paddy	<i>Echinochloa crusgalli</i> , <i>Cyperus difformis</i> , <i>Panicum repens</i> , <i>Eclipta alba</i> , <i>Fimbristylis miliacea</i> , <i>Ludwigia parviflora</i> , <i>Commelina benghalensis</i>	50+6+500	1000	500	76
Fenoxaprop-p-ethyl 6% + Chlorimuron ethyl 0.9% + Imazethapyr 10% SC					
Soybean	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus rotundus</i> , <i>Cyperus difformis</i> , <i>Euphorbia hirta</i> , <i>Eclipta alba</i> , <i>Commelina benghalensis</i> , <i>Digera arvensis</i> , <i>Phyllanthus niruri</i>	60+9+100	1000	500	94
Fenoxaprop-p-ethyl 7.77% w/w + Metribuzin 13.6% w/w EC					
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
Fluthiacet-methyl 2.5% + Quizalofop-ethyl 10% EC					

Soybean	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
Florpyrauxifen-benzyl 1.31% w/w +Penoxsulam 2.1% w/w OD					
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
Florpyrauxifen-benzyl 2.13% w/w + Cyhalofop-butyl 10.64% w/w EC					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa Chinensis</i> , <i>Cyperus rotundus</i> , <i>Ammania 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
Fluroxypyr 13.8% (Meptyl 20%) + Metribuzin 5.6% W/W EC					

Wheat	<i>Chenopodium album</i> , <i>Anagallis arvensis</i> , <i>Cronopus didymus</i> , <i>Melilotus indica</i> , <i>Vicia sativa</i> , <i>Amaranthus viridis</i> , <i>Phalaris minor</i>	138 + 56	1000	500	91
Fluazifop-p-butyl 11.1% w/w + Fomesafen 11.1% w/w SL					
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>Eleuopus 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
Fomesafen 12.5% + Fenoxaprop-p-Ethyl 10% + Chlorimuron Ethyl 0.9% ME					
Soybean	<i>Echinochloa colona</i> , <i>Cyperus rotundus</i> , <i>Dactyloctenium aegyptium</i> , <i>Cynodon dactylon</i> , <i>Eclipta alba</i> , <i>Commelina benghalensis</i> , <i>Parthenium hysterophorus</i> , <i>Phyllanthus niruri</i>	125 + 100 + 9	1000	500	78
Fomesafen 12 % + Quizalofop ethyl 3% w/w SC					
Soybean	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Doctyloctenium aegyptium</i> , <i>Digitaria sanguinalis</i> , <i>Cyperus rotundus</i>	180+45	1500	500	71

Fomesafen 12.5% +Quizalofop ethyl 4.68% EC					
Groundnut	Narrow leaf weeds: <i>Dactyloctenium aegyptium</i> , <i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Echinochloa crusgalli</i> , Broad leaf weeds: <i>Trianthema monogyna</i> , <i>Phyllanthus niruri</i> , <i>Acalypha indica</i> , <i>Boerhavia diffusa</i> , <i>Digera arvensis</i> , Sedges: <i>Cyperus rotundus</i>	125+46.8	1000	375	96
Soybean	Narrow leaf weeds: <i>Digitaria sanguinalis</i> , <i>Echinochloa crusgalli</i> , <i>Eleusine indica</i> , Broad leaf weeds: <i>Acalypha indica</i> , <i>Digera arvensis</i> , <i>Commelina benghalensis</i> , <i>Parthenium hysterophorus</i> , Sedges: <i>Cyperus rotundus</i>	125+46.8	1000	375	77
Fomesafen 17.5% + Clodinafop-propargyl 12.5% w/w ME					
Soybean	<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
Green gram	<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
Fomesafen 16.8% w/w + Propaquizafop 5.2% w/w ME					
Black gram	<i>Euphorbia hirta</i> , <i>Phyllanthus niruri</i> , <i>Amaranthus viridis</i> , <i>Commelina benghalensis</i> , <i>Cardanthera triflora</i> ,	210.0+65.0	1250	500	51

	<i>Dinebra retroflexa</i> , <i>Echinochloa colona</i>				
Green gram	<i>Euphorbia hirta</i> , <i>Phyllanthus niruri</i> , <i>Amaranthus viridis</i> , <i>Commelina benghalensis</i> , <i>Cardanthera triflora</i> , <i>Dinebra retroflexa</i> , <i>Echinochloa colona</i>	210.0+65.0	1250	500	46
Glufosinate ammonium 13.4% + Oxyfluorfen 4.8% w/w EW					
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
Glufosinate ammonium 14.3 % + Glyphosate (Isopropyl Ammonium) 18.04 % SL					
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	-
Halauxifen-methyl 1.21% w/w + Fluroxypyr-meptyl 38.9% w/w EC					
Wheat	<i>Chenopodium album</i> , <i>Melilotus alba</i> , <i>Medicago denticulata</i> , <i>Rumex dentatus</i> , <i>Lathyrus aphaca</i> , <i>Coronopus didymis</i>	200.6 (6.05 + 194.5)	500	375	87
Halauxifen-methyl 20.8% + Florasulam 20.0% w/w WG (with surfactant Polyglycol 26-2 N)					

Wheat	<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 Polyglyco l 26-2 N at 750 ml/ha)	71
Halosulfuron Methyl 5% + Atrazine 48% WG					
Maize	<i>Echinochloa spp.</i> <i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Trianthema monogyna</i> <i>Celosia argentia</i> <i>Cyperus rotundus</i>	56.25+540	1125	375	37
Halosulfuron methyl 6% + Metribuzin 50% WG					
Sugarcane	<i>Echinochloa spp.</i> , <i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Brachiaria ramosa</i> , <i>Parthenium hysterophorus</i> , <i>Celosia argentia</i> , <i>Alternanthera spp.</i>	67.5 + 562.5	1125	375	247
Halosulfuron Methyl 12% w/w+ Metribuzin 55% WG					
Sugarcane	<i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Cyperus rotundus</i> <i>Dactyloctenium aegyptium</i>	54+247.5	450	300	294
Haloxyfop-R Methyl 12.8 % + Imazethapyr 10 % (w/w) ME					
Soyabean	<i>Brachiaria mutica</i> , <i>Digitaria sanguinalis</i> , <i>Dinebra retroflexa</i> , <i>Echinochloa colonum</i> , <i>Eleusine indica</i> , <i>Eragrostis pilosa</i> , <i>Euphorbia hirta</i> , <i>Commelina benghalensis</i>	105.6 + 82.5	825	500	88 Days
Hexazinone 13.2% + Diuron 46.8 % WP					

Sugarcane	<i>Echinochloa colonum</i> , <i>Dactyloctenium aegyptium</i> , <i>Trianthema monogyna</i> , <i>Amaranthus viridis</i> , <i>Ipomoea 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
Indaziflam 1.65% w/w (2% w/v) + Glyphosate Isopropyl ammonium 44.63% w/w (40% w/v) SC					
Tea	<i>Ageratum sp.</i> <i>Borreria sp.</i> <i>Eleusine indica</i>	50+1000 to 70 + 1400	2500 to 3500	500 L	14
Grape	<i>Parthenium hysterophorus</i> , <i>Cyperus rotundus</i> , <i>Cynodon dactylon</i> , <i>Euphorbia sp.</i> , <i>Amaranthus sp.</i>	37.5+750 to 42.5+850	1875 to 2125	500	108
Imazethapyr 35% + Imazamox 35% WG					
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

Imazapic 17.5% + Imazapyr 52.5% WG					
Imazapic and Imazapyr – Herbicide Tolerant Rice	<i>Echinochloa colona</i> , <i>Cynodon dactylon</i>	35 g a.i./ha Imazapic + 105 g a.i./ha Imazapyr + MSO adjuvant @ 2 ml/L of water	200 g /ha + MSO adjuvant @ 2 ml/L of water	500	70
Imazapic and Imazapyr – Herbicide Tolerant Mustard	<i>Chenopodium album</i> , <i>Argemone mexicana</i> , <i>Orobancha aegyptiaca</i>	35 g a.i./ha Imazapic + 105 g a.i./ha Imazapyr + MSO adjuvant @ 2 ml/L of water	200 g /ha + MSO adjuvant @ 2 ml/L of water	500	103
Imazosulfuron 1% + Pretilachlor 8% GR					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Leptochloa chinensis</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Ammania baccifera</i> , <i>Blumea lacera</i>	75+600	7.5	Granular herbicide	92
Mesosulfuron methyl 3% + Iodosulfuron methyl sodium 0.6% WG					
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
Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC					
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

Metamifop 8% + Imazethapyr 4% + Imazamox 3% W/W ME					
Groundnut	<i>Echinochloa colona</i> , <i>Cynodon dactylon</i> , <i>Cyperus rotundus</i> , <i>Commelina benghalensis</i> , <i>Trianthema portulacastrum</i> , <i>Physalis minima</i> , <i>Digera arvensis</i>	80+40+30	1000 + Ammoniu m sulphate @ 750 gm/ha	500	83
Soybean	<i>Dinebra arabica</i> , <i>Echinochloa colona</i> , <i>Cyperus rotundus</i> , <i>Cyanotis axillaris</i> , <i>Commelina benghalensis</i> , <i>Physalis minima</i> , <i>Celosia argentea</i> , <i>Digera arvensis</i>	80+40+30	1000 + Ammoniu m sulphate @ 750 gm/ha	500	56
Metribuzin 42% + Clodinafop propargyl 12% WG					
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
Metribuzin 16.8% + 2,4-D Sodium Salt 56% WP					
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
Metsulfuron Methyl 10% + Chlorimuron ethyl 10% WP					
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> ,	4 gm	20 gm.	300	90
Metsulfuron Methyl 10% + Carfentrazone ethyl 40% DF					
Wheat	<i>Rumex dentatus</i> <i>Rumex spinosus</i> <i>Medicago denticulate</i> <i>Malva parviflora</i> <i>Lathyrus aphaca</i>	5+20	50	300	100

	<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>				
Oxadiargyl 1% + Pretilachlor 6% GR					
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
Oxyfluorfen 2.5% + Isopropyl amine salt of Glyphosate 41% w/w SC					
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 + 1281.25	3125	500	-
Oxyfluorfen 20% + Clodinafop-Propargyl 5% DF					
Onion	<i>Echinochloa crusgalli</i> , <i>Echinochloa colonum</i> , <i>Cynodondactylon</i> , <i>Phalaris minor</i> , <i>Cyperus rotundus</i> , <i>Chenopodium album</i> , <i>Amaranthus viridis</i> , <i>Commelina benghalensis</i>	200 + 50	1000	500	96
Paraquat Dichloride 7.50% + Glyphosate 30% SC					
Non-crop area	<i>Digitaria sanguinalis</i> , <i>Eleusine indica</i> , <i>Cynodon dactylon</i> , <i>Brachiaria mutica</i> , <i>Imperata cylindrica</i> , <i>Cyperus rotundus</i> ,	225+900	3000	500	-

	<i>Commelina benghalensis</i> , <i>Ageratum conyzoides</i> , <i>Axonopus compressus</i> , <i>Lantana camara</i> , <i>Paspalum conjugatum</i>				
Paraquat Dichloride 24% + Oxyfluorfen 5% SC					
Tea	<i>Bidens pilosa</i> , <i>Cynodon dactylon</i> , <i>Imperata cylindrica</i> , <i>Ageratum conyzoides</i> , <i>Paspalum conjugatum</i> , <i>Cyperus rotundus</i> , <i>Commelina benghalensis</i>	720+150	3000	500	15
Paraquat Dichloride 22.4 % w/w + Oxyfluorfen 1.99 % w/w EW					
Transplanted Rice	<i>Echinocloa crusgalli</i> , <i>Echinocloa colona</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Commelina bengalensis</i>	200 + 300	1000	-	96
Pendimethalin 30%+ Imazethapyr 2% EC					
Soybean	<i>Echinocloa 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
Pendimethalin 35% + Metribuzin 3.5% w/w SE					
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 g	2.5-3.0	500	123
Pendimethalin 24% + Oxyfluorfen 4.1% w/v ZE					
Onion	<i>Dinebra arabica</i> , <i>Echinochloa colona</i> , <i>Digitaria sanguinalis</i> , <i>Cynodon dactylon</i> ,	541.92 + 92.56	2258	500	90

	<i>Chenopodium album</i> , <i>Cyperus rotundus</i> , <i>Dactyloctenium aegyptium</i> , <i>Commelina benghalensis</i>				
Pendimethalin 38.4% + Pyrazosulfuron ethyl 0.85% ZC					
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
Pendimethalin 40% + Metribuzin 8% EC					
Wheat	Grasses: <i>Phalaris minor</i> Broad leaf weeds: <i>Chenopodium album</i> , <i>Anagallis arvensis</i> , <i>Melilotus spp.</i> , <i>Medicago spp.</i>	1000+200	2500	500	107
Penoxsulam 0.97% w/w + Butachlor 38.8% w/w SE					
Transplanted Rice	<i>Echinochloa colonum</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Marsilea quadrifoliata</i> , <i>Alternanthera spp.</i>	820 g	2000 ml	750	60
Penoxsulam 1% + Pendimethalin 24% w/w SE					
Rice (Direct seeded Rice)	Grasses: <i>Echinochloa colona</i> Sedges: <i>Cyperus iria</i> Broad leaf weeds: <i>Ludwigia parviflora</i>	22.5+540 -25.0+600	2250-2500	500	100
Penoxsulam 1.02 % + Cyhalofop-butyl 5.1% OD					
Rice (Direct seeded Rice)	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa chinensis</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
Penoxsulam 2% + Oxadiazon 21 % w/w SC					
Paddy (Transplanted rice)	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa chinensis</i> , <i>Cyperus iria</i> , <i>Cyperus difformis</i> , <i>Sphenoclea zeylanica</i> , <i>Eclipta alba</i>	20 + 210 (Pre emergence, 0-3 DAT)	1000	- (mix with adequate quantity of sand)	78
		Or 20 + 210 (Early Post- emergence or 9-12 DAT)	1000	300	78
Penoxsulam 9.0 % + Pyrazosulfuron Ethyl 6.0 % WDG					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Panicum repens</i> , <i>Ammania baccifera</i> <i>Marsilea quadrifolia</i> , <i>Eclipta alba</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i>	45	300	400	95
Penoxsulam 1.2% + Pretilachlor 30.8% w/w SE					
Rice (Transplanted)	<i>Grasses-</i> <i>Echinochloa colona</i> & <i>Leptochloa chinensis</i> , <i>Sedges</i> <i>Cyperus difformis</i> , <i>Broad- leaf weeds</i> <i>Ludwigia parviflora</i> , <i>Eclipta alba</i> & <i>Alternanthera philoxeroides</i>	15+385	1250	NA	91
Pretilachlor 6% + Pyrazosulfuron Ethyl 0.15% (H)					
Paddy	Grassy weeds, Broad Leave, Sedges	600+15	10	-	83

Pretilachlor 6.0% +Pyrazosulfuron Ethyl 0.15% GR					
Transplanted Paddy	<i>Echinochloa Colonom</i> <i>Echinochloa Crusagalli</i> <i>Ludwigia parviflora</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
Pretilachlor 27.4% w/w + Florpyrauxifen-benzyl 0.91% w/w EC					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Marsilea quadrifolia</i> , <i>Ludwigia parviflora</i> , <i>Monochoria vaginalis</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i>	600+20	2000	300	72
Direct Seeded Rice	<i>Echinochloa colona</i> , <i>Marsilea quadrifolia</i> , <i>Ludwigia parviflora</i> , <i>Monochoria Vaginalis</i> , <i>Cyperus difformis</i> , <i>Eclipta alba</i> , <i>Fimbristylis miliacea</i>	600+20	2000	300	95
Pretilachlor 30.0% + Pyrazosulfuron Ethyl 0.75% WG					
Paddy (Direct seeded Rice)	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Leptochloa chinensis</i> , <i>Eclipta alba</i> , <i>Abernantha sessilis</i> , <i>Parthenium hysterophorus</i> , <i>Cyperus iria</i> <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i>	600+15	2000	375	113
Pretilachlor 30.2% w/w + Florpyrauxifen-benzyl 1.01% w/w EW					
Transplanted rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Leptochloa chinensis</i> , <i>Cyperus difformis</i> , <i>Cyperus rotundus</i> , <i>Cyperus iria</i> , <i>Monochoria vaginalis</i> , <i>Ludwigia parviflora</i> , <i>Eclipta alba</i>	620	2000	NA (Splash application without dilution)	96 days

Propaquizafop 2.5% + Imazethapyr 3.75% w/w ME					
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	Monocot weeds <i>Echinochloa colona</i> , <i>Cyperus difformis</i> , <i>Digitaria sanguinalis</i> Broad leaved weeds <i>Commelina benghalensis</i> <i>Digera arvensis</i>	50+75	2000	500	97
Blackgram	Monocot weeds <i>Digitaria sanguinalis</i> <i>Dactyloctenium aegyptium</i> <i>Cynodon dactylon</i> Broad leaved weed <i>Parthenium hysterophorus</i> <i>Commelina benghalensis</i> <i>Euphorbia hirta</i>	50+75	2000	500	56
Clusterbean	Monocot weeds <i>Cyperus rotundus</i> <i>Digitaria sanguinalis</i> Broad leaved Weeds <i>Commelina benghalensis</i> <i>Amaranthus viridis</i>	50+75	2000	500	69
Propaquizafop 5% + Oxyfluorfen 12% w/w EC					
Onion	Grassy weeds: <i>Digitaria sanguinalis</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinochloa colona</i> , <i>Eleusine indica</i> BLW: <i>Chenopodium album</i> , <i>Digera arvensis</i> <i>Amaranthus viridis</i>	43.75 +105	875	500	7
Pyrifthalid 31.0% w/w + Bensulfuron methyl 15.7% w/w SC					

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 Pyrifthalid + 58.9g a.i. of Bensulfuron methyl)	375	Upto 5 L/ha	99
Pyriothibac Sodium 3.1 % w /w + Pendimethalin 34.0 % w/w ZC					
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
Pyriothibac Sodium 6% w/w+ Quizalofop-ethyl 4% w/w EC					
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
Pyriothibac Sodium 4.5 w/w % + Glyphosate 60% w/w SG					
Non crop area	<i>Echinochloa colonum</i> , <i>Cynodon dactylon</i> , <i>Cyperus rotundus</i> , <i>Trianthema portulacastrum</i> , <i>Parthenium hysterophorus</i> , <i>Phyllanthus niruri</i> , <i>Cleome viscosa</i> , <i>Eclipta alba</i>	882-903	1367-1400	500	-
Quizalofop ethyl 4% + Oxyfluorfen 6% EC					
Onion	<i>Digitaria sanguinalis</i> (Crab grass) <i>Cyperus rotundus</i> (Moth)	100	1000	375	7
Quizalofop Ethyl 10% EC + Chlorimuron Ethyl 25% WP + Surfactant (0.2) (Herbicide) (Twin pack)					
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</i>	Quizalofop ethyl 10% EC 37.5g Chlorimuron	Quizalofop ethyl 10% EC 375ml Chlorimuro	300	75

	<i>E. viscosa</i> <i>Digitaria marginata</i> <i>Dactylactonium aegyptium</i> <i>Echinochloa spp.</i> <i>Cynodon dactylon</i> <i>Brachiaria ramosa</i>	ethyl 25% WP 9g Surfactant 0.2%	n ethyl 25% WP 36g Surfactant 0.2%		
Quizalofop ethyl 7.5% + Imazethapyr 15% w/w EC					
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 aegyptium</i> (Crowfoot grass), <i>Digera arvensis</i> (False amaranth), <i>Cynodon dactylon</i> (Bermuda grass), <i>Commelina benghalensis</i> (Tropical spiderwort)	32.81+65.62 5	437.5	500	75
Saflufenacil 68 g/l + Dimethenamid- p 600 g/l EC					
Maize	<i>Cynodon dactylon</i> , <i>Cyperus rotundus</i> , <i>Commelina benghalensis</i> , <i>Acanthospermum hispidum</i> , <i>Amaranthus viridis</i>	68 + 600 g a.i./ha – 85 + 750 g a.i./ha	1000 - 1250	375	98
Sodium Acifluorfen 16.5% + Clodinafop Propargyl 8% EC					
Soybean	<i>Acalypha indica</i> , <i>Alternanthera philoxeroides</i> , <i>Amaranthus spp.</i> , <i>Celosia argentea</i> , <i>Cleome viscosa</i> , <i>Commelina benghalensis</i> , <i>Dactyloctenium aegyptium</i> , <i>Digera arvensis</i> , <i>Digitaria sanguinalis</i> , <i>Echinochloa spp.</i> ,	165+80	1000	500	61

	<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>				
Black gram	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Phyllanthus niruri</i> , <i>Digera arvensis</i> , <i>Acalypha indica</i> , <i>Celosia argentea</i> , <i>Parthenium hysterophorus</i>	165+80	1000	500	54
Green gram	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Dactyloctenium aegyptium</i> , <i>Commelina benghalensis</i> , <i>Amaranthus viridis</i> , <i>Digera arvensis</i> , <i>Trianthema monogyna</i>	165+80	1000	500	54
Groundnut	<i>Echinochloa colona</i> , <i>Eleusine indica</i> , <i>Digitaria sanguinalis</i> , <i>Euphorbia geniculata</i> , <i>Phyllanthus niruri</i> , <i>Digera arvensis</i>	165+80	1000	500	54
Sulfentrazone 28% + Clomazone 30% WP					
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 aegyptium</i> , <i>Cyperus rotundus</i>	700+750	2500	500	302
Sulfentrazone 19% + Pretilachlor 28.5% w/w SE					

Transplanted Rice	<i>Echinochloa crusgalli</i> , <i>Echinochloa colona</i> , <i>Cyperus difformis</i> , <i>Cyperus iria</i> , <i>Commelina bengalensis</i>	200 + 300	1000	-	96
Sulfosulfuran 75%+ Metsulfuron Methyl 5%WG					
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
Tembotrione 9% + Atrazine 45% WG					
Maize	<i>Digitaria sanguinalis</i> , <i>Echinochloa colona</i> , <i>Trianthema portulacastrum</i> , <i>Cleome viscosa</i> , <i>Amaranthus viridis</i>	135 +675	1500	500	81
Topramezone 10 g/l + Atrazine 300 g/l SC					
Maize	<i>Parthenium hysterophorus</i> <i>Panicum spp.</i> <i>Amaranthus viridis</i> <i>Celosia argentea</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 oleracea</i> <i>Alternanthera sessilis</i>	930	3000	500	268
Topramezone 32 g/l + Dimethenamid-p 538 g/l EC					
Maize	<i>Digitaria sanguinalis</i> , <i>Panicum repens</i> , <i>Dinebra retroflexa</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i>	570 (Topramezone 32 gm + Dimethenamid p- 538 gm)	1000	500	85
Triafamone 20% + Ethoxysulfuron 10% WG					
Transplanted Rice	<i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Cyperus rotundus</i> , <i>Cyperus difformis</i> , <i>Fimbristylis miliacea</i> , <i>Marsilea quadrifolia</i>	45+22.5	225	300	83

Direct Seeded Rice	<i>Echinochloa colona</i> , <i>Cyperus rotundus</i> , <i>Digera arvensis</i> , <i>Commelina benghalensis</i>	45+22.5	225	300	83
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