

**Table 1. Weed management strategies in soybean.**

Treatment <sup>a</sup>	Rate Product/ Acre <sup>b</sup>	Appl Time	Injury 6/15 - (%) -	Setfa 6/15 ----- (% weed control <sup>c</sup> )	Abuth 6/15	Amata 6/15	Cheal 6/15 -----
Untreated	-		0	0	0	0	0
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.6 pt + (4.0 fl oz + 8.0 fl oz + 1.0 % + 17.0 lb/100 gal)	PPI + (EPOST)	0	90	48	93	96
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	0	96	92	98	99
Prowl H2O + (Extreme + NIS + AMS)	2.6 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI + (EPOST)	0	92	47	95	96
Pursuit Plus + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	0	98	90	99	99
Domain + Prowl H2O + Authority	14.0 oz wt + 2.6 pt + 5.0 oz wt	PPI	0	95	83	98	99
Define SC + (Phoenix + NIS)	14.0 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	0	70	47	68	96
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	65	50	77	98
Gangster + (Glyphomax XRT + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	5	80	83	92	99
Select + FirstRate + Phoenix + COC	10.0 fl oz + 0.3 oz wt + 8.0 fl oz + 1.0 %	EPOST	0	0	0	0	0
FirstRate + Glyphomax XRT + AMS	0.3 oz wt + 1.5 pt + 2.5 lb	POST	0	0	0	0	0
Glyphomax XRT + AMS + (Glyphomax XRT + AMS)	1.5 pt + 2.5 lb + (1.5 pt + 2.5 lb)	POST + (SPOST)	0	0	0	0	0
Roundup WeatherMAX + AMS	22.0 fl oz + 17.0 lb/100 gal	POST	0	0	0	0	0
Roundup WeatherMAX + AMS + (Roundup WeatherMAX + AMS)	22.0 fl oz + 17.0 lb/100 gal + (22.0 fl oz + 17.0 lb/100 gal)	POST + (SPOST)	0	0	0	0	0
Boundary + (Flexstar + Fusion + COC + 28% UAN)	2.1 pt + (1.25 pt + 10.4 fl oz + 1.0% + 2.0 qt)	PRE + (EPOST)	0	90	72	94	98
Boundary + (Touchdown Total + AMS)	1.5 pt + (24.0 fl oz + 8.5 lb/100 gal)	PRE + (POST)	0	88	72	96	96
LSD (P=0.05)			0	6	13	14	3

<sup>a</sup> MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agriliance, LLC; NIS = Activator 90 a non ionic surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

<sup>b</sup> % = % v/v

<sup>c</sup> % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lambsquarters.

**Table 2. Weed management strategies in soybean.**

Treatment <sup>a</sup>	Rate Product/ Acre <sup>b</sup>	Appl Time	Injury		Setfa	Abuth	Amata	Cheal
			6/28	7/12	7/12	7/12	7/12	7/12
			---- (%) ----		---- (% weed control <sup>c</sup> ) ----			
Untreated	-		0	0	0	0	0	0
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.6 pt + (4.0 fl oz + 8.0 fl oz + 1.0 % + 17.0 lb/100 gal)	PPI + (EPOST)	27	13	99	99	99	99
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	28	15	99	99	99	99
Prowl H2O + (Extreme + NIS + AMS)	2.6 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI + (EPOST)	15	10	99	99	99	99
Pursuit Plus + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	0	0	99	99	99	99
Domain + Prowl H2O + Authority	14.0 oz wt + 2.6 pt + 5.0 oz wt	PPI	0	0	93	80	96	99
Define SC + (Phoenix + NIS)	14.0 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	30	12	70	87	99	95
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	0	99	95	99	99
Gangster + (Glyphomax XRT + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	0	0	99	98	99	99
Select + FirstRate + Phoenix + COC	10.0 fl oz + 0.3 oz wt + 8.0 fl oz + 1.0 %	EPOST	27	12	99	96	99	96
FirstRate + Glyphomax XRT + AMS	0.3 oz wt + 1.5 pt + 2.5 lb	POST	0	10	99	95	99	99
Glyphomax XRT + AMS + (Glyphomax XRT + AMS)	1.5 pt + 2.5 lb + (1.5 pt + 2.5 lb)	POST + (SPOST)	0	0	99	95	99	99
Roundup WeatherMAX + AMS	22.0 fl oz + 17.0 lb/100 gal	POST	0	0	99	95	99	99
Roundup WeatherMAX + AMS + (Roundup WeatherMAX + AMS)	22.0 fl oz + 17.0 lb/100 gal + (22.0 fl oz + 17.0 lb/100 gal)	POST + (SPOST)	0	0	99	96	99	99
Boundary + (Flexstar + Fusion + COC + 28% UAN)	2.1 pt + (1.25 pt + 10.4 fl oz + 1.0% + 2.0 qt)	PRE + (EPOST)	25	12	99	99	99	99
Boundary + (Touchdown Total + AMS)	1.5 pt + (24.0 fl oz + 8.5 lb/100 gal)	PRE + (POST)	0	0	99	96	99	99
LSD (P=0.05)			4	3	4	3	1	2

<sup>a</sup> MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agriliance, LLC; NIS = Activator 90 a non ionic surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

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<sup>c</sup> % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lambsquarters.

**Table 3. Weed management strategies in soybean.**

Treatment <sup>a</sup>	Rate Product/ Acre <sup>b</sup>	Appl Time	Setfa	Abuth	Amata	Cheal	Yield 10/4 (bu/acre)
			8/24	8/24	8/24	8/24	
Untreated	-		0	0	0	0	37
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.6 pt + (4.0 fl oz + 8.0 fl oz + 1.0 % + 17.0 lb/100 gal)	PPI + (EPOST)	93	98	98	99	66
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	98	98	98	99	64
Prowl H2O + (Extreme + NIS + AMS)	2.6 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI + (EPOST)	98	99	98	99	64
Pursuit Plus + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	99	99	99	99	67
Domain + Prowl H2O + Authority	14.0 oz wt + 2.6 pt + 5.0 oz wt	PPI	88	70	91	99	54
Define SC + (Phoenix + NIS)	14.0 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	57	83	99	93	45
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	99	98	99	99	63
Gangster + (Glyphomax XRT + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	99	99	99	99	66
Select + FirstRate + Phoenix + COC	10.0 fl oz + 0.3 oz wt + 8.0 fl oz + 1.0 %	EPOST	93	93	98	92	67
FirstRate + Glyphomax XRT + AMS	0.3 oz wt + 1.5 pt + 2.5 lb	POST	99	96	99	99	65
Glyphomax XRT + AMS + (Glyphomax XRT + AMS)	1.5 pt + 2.5 lb + (1.5 pt + 2.5 lb)	POST + (SPOST)	99	99	99	99	67
Roundup WeatherMAX + AMS	22.0 fl oz + 17.0 lb/100 gal	POST	98	99	98	99	62
Roundup WeatherMAX + AMS + (Roundup WeatherMAX + AMS)	22.0 fl oz + 17.0 lb/100 gal + (22.0 fl oz + 17.0 lb/100 gal)	POST + (SPOST)	99	99	99	99	60
Boundary + (Flexstar + Fusion + COC + 28% UAN)	2.1 pt + (1.25 pt + 10.4 fl oz + 1.0% + 2.0 qt)	PRE + (EPOST)	95	98	99	99	62
Boundary + (Touchdown Total + AMS)	1.5 pt + (24.0 fl oz + 8.5 lb/100 gal)	PRE + (POST)	98	99	99	99	62
LSD (P=0.05)			6	7	3	3	6

<sup>a</sup> MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agriliance, LLC; NIS = Activator 90 a non ionic surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

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