

Table 1. Percent weed control in soybeans by treatment on June 10.

Treatment ^a	Rate Product/ Acre ^b	Appl Time	Injury 6/10 - (%) -	Setfa 6/10	Abuth 6/10	Amata 6/10	Cheal 6/10	Polpy 6/10
			----- (% weed control ^c) -----					
Untreated	-	-	0	0	0	0	0	0
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.5 pt + (4.0 fl oz + 0.75 pt + 1.0% + 17.0 lb/100 gal)	PPI + (EPOST)	0	95	45	92	85	73
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	0	98	90	92	87	88
Prowl H2O + (Extreme + NIS + AMS)	2.5 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI (EPOST)	0	96	43	92	82	68
Prowl H2O + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	2	96	47	90	77	65
Domain + Prowl H2O + Authority	16 oz wt + 2.5 pt + 5.0 oz wt	PPI	0	98	87	99	99	99
Define SC + (Phoenix + NIS)	22 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	0	98	47	95	96	78
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (20.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	93	65	88	85	82
Gangster + (Glyphomax Plus + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	3	98	95	96	99	99
Gangster + (Glyphomax Plus + AMS)	2.4 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	5	98	93	98	98	98
Python + Valor SX + (Glyphomax + AMS)	0.66 oz wt + 1.5 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	3	96	88	99	99	98
INTRRO + (Roundup WeatherMAX + AMS)	1.5 qt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	96	38	96	83	68
Boundary	3.0 pt	PRE	5	99	91	99	98	88
Boundary + (Touchdown Total + AMS)	2.1 pt + (23.0 fl oz + 2.0 % w/v)	PRE + (POST)	0	98	62	98	93	93
Boundary + (Flexstar + Fusion + COC + 28% UAN)	2.1 pt + (1.25 pt + 10.4 fl oz + 1.0% + 2.0 qt)	PRE + (EPOST)	0	99	67	96	95	87
Touchdown Total + AMS + (Touchdown Total + AMS)	24.0 fl oz + 2.0 % w/v + (24.0 fl oz + 2.0% w/v)	EPOST + (SPOST)	0	0	0	0	0	0
LSD (P=0.05)			2	3	15	4	9	14

^a MSO = methylated seed oil plus surfacant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agriliance, LLC; NIS = Activator 90 a nonionic 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.

^b % = % v/v

^c % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lamb's quarters, Polpy = Pennsylvania smartweed.

Table 2. Percent weed control in soybeans by treatment on July 20.

Treatment ^a	Rate	Appl Time	Injury 7/20	Setfa 7/20	Abuth 7/20	Amata 7/20	Cheal 7/20	Polpy 7/20
	Product/ Acre ^b		- (%) -	----- (% weed control ^c) -----				
Untreated	-	-	0	0	0	0	0	0
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.5 pt + (4.0 fl oz + 0.75 pt + 1.0% + 17.0 lb/100 gal)	PPI + (EPOST)	37	99	99	99	99	99
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	20	98	96	98	83	85
Prowl H2O + (Extreme + NIS + AMS)	2.5 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI (EPOST)	13	99	99	98	99	99
Prowl H2O + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	5	99	99	99	99	95
Domain + Prowl H2O + Authority	16 oz wt + 2.5 pt + 5.0 oz wt	PPI	0	96	95	90	99	93
Define SC + (Phoenix + NIS)	22 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	17	99	95	99	96	85
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (20.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	8	99	99	99	99	98
Gangster + (Glyphomax Plus + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	5	99	99	99	99	99
Gangster + (Glyphomax Plus + AMS)	2.4 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	3	99	99	99	99	99
Python + Valor SX + (Glyphomax + AMS)	0.66 oz wt + 1.5 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	0	99	99	99	99	99
INTRRO + (Roundup WeatherMAX + AMS)	1.5 qt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	99	99	99	99	99
Boundary	3.0 pt	PRE	2	99	91	93	78	73
Boundary + (Touchdown Total + AMS)	2.1 pt + (23.0 fl oz + 2.0 % w/v)	PRE + (POST)	2	99	99	99	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)	15	99	99	99	99	99
Touchdown Total + AMS + (Touchdown Total + AMS)	24.0 fl oz + 2.0 % w/v + (24.0 fl oz + 2.0% w/v)	EPOST + (SPOST)	3	99	99	99	98	99
LSD (P=0.05)			4	1	5	3	8	6

^a MSO = methylated seed oil plus surfacant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agriliance, LLC; NIS = Activator 90, a nonionic 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.

^b % = % v/v

^c % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lamb's quarters, Polpy = Pennsylvania smartweed.

Table 3. Percent weed control in soybeans by treatment on August 4.

Treatment ^a	Rate	Appl Time	Injury 8/4	Setfa 8/4	Abuth 8/4	Amata 8/4	Cheal 8/4	Polpy 8/4	Yield 9/25
	Product/ Acre ^b		- (%) -	----- (% weed control ^c) -----					(bu/acre)
Untreated	-	-	0	0	0	0	0	0	45
Prowl H2O + (Raptor + Ultra Blazer + MSO + AMS)	2.5 pt + (4.0 fl oz + 0.75 pt + 1.0% + 17.0 lb/100 gal)	PPI + (EPOST)	25	99	99	99	99	99	36
Pursuit Plus + (Phoenix + Select + NIS)	2.5 pt + (10.0 fl oz + 6.0 fl oz + 0.25%)	PPI + (EPOST)	10	98	96	98	82	85	43
Prowl H2O + (Extreme + NIS + AMS)	2.5 pt + (3.0 pt + 0.125 % + 17.0 lb/100 gal)	PPI (EPOST)	10	99	99	98	99	99	49
Prowl H2O + (Roundup WeatherMAX + AMS)	2.5 pt + (22.0 fl oz + 17.0 lb/100 gal)	PPI + (POST)	0	99	99	99	99	99	59
Domain + Prowl H2O + Authority	16 oz wt + 2.5 pt + 5.0 oz wt	PPI	0	96	95	90	99	92	53
Define SC + (Phoenix + NIS)	22 fl oz + (12.5 fl oz + 0.125%)	PRE + (EPOST)	10	99	95	99	95	85	57
Domain + (Roundup WeatherMAX + AMS)	12.0 oz wt + (20.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	2	99	99	99	99	99	55
Gangster + (Glyphomax Plus + AMS)	1.8 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	0	99	99	99	99	99	59
Gangster + (Glyphomax Plus + AMS)	2.4 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	0	99	99	99	99	99	63
Python + Valor SX + (Glyphomax + AMS)	0.66 oz wt + 1.5 oz wt + (1.5 pt + 2.5 lb)	PRE + (POST)	0	99	99	99	99	99	56
INTRRO + (Roundup WeatherMAX + AMS)	1.5 qt + (22.0 fl oz + 17.0 lb/100 gal)	PRE + (POST)	0	99	99	99	99	99	55
Boundary	3.0 pt	PRE	0	99	90	93	75	75	56
Boundary + (Touchdown Total + AMS)	2.1 pt + (23.0 fl oz + 2.0 % w/v)	PRE + (POST)	0	99	99	99	99	99	59
Boundary + (Flexstar + Fusion + COC + 28% UAN)	2.1 pt + (1.25 pt + 10.4 fl oz + 1.0% + 2.0 qt)	PRE + (EPOST)	7	99	99	99	99	99	55
Touchdown Total + AMS + (Touchdown Total + AMS)	24.0 fl oz + 2.0 % w/v + (24.0 fl oz + 2.0% w/v)	EPOST + (SPOST)	3	99	99	99	98	99	58
LSD (P=0.05)			5	1	4	3	8	7	8

^a MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC; NIS = Activator 90, a nonionic 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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