

MSU Weed Science Research Program

Comparison of commercial programs in no-till soybean

Trial ID: NTS01-10 Study Dir.: Sprague, Powell
Conducted: T-16 North Investigator: Christy Sprague

Date Planted: 5/26/2010 Row Spacing: 7.5 IN
Variety: Asgrow 2108 No. of Reps: 5
Population: 200,000 Seeds/Acre % OM: 2.9
Soil Type: Clay Loam pH: 6.5
Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: No-till
Fertilizer: None

Crop and Weed Description

Table with 4 columns: Weed, Code, Common Name, Scientific Name. Lists weeds 1-6 and crop 1 (GLXMA SOYBEAN).

Application Description

Table with 5 columns: Application Timing, Date Treated, Time Treated, % Cloud Cover, Air Temp., Unit, % Relative Humidity, Wind Speed/Unit/Dir, Soil Temp., Unit, Soil/Leaf Surface M, Soil Moist (1=w 5=d). Lists treatments A, B, C, D.

Crop Stage at Each Application

Table with 5 columns: Crop Name, Height (In.), Stage (L). Lists crop GLXMA at treatments A, B, C, D.

Weed Stage at Each Application

Table with 5 columns: Weed Name, Height (In.), Stage (L). Lists weeds 1-6 and their stages at treatments A, B, C, D.

Weed Density (plants/sq. ft.)

Table with 6 columns: Weed Name, Density. Lists weeds TAROF, ERICA, STEME, ANGR, CHEAL and their densities.

Application Equipment

Table with 11 columns: Appl, Sprayer Type, Speed MPH, Nozzle Type, Nozzle Size, Nozzle Height, Nozzle Spacing, Boom Width, GPA, Carrier, PSI. Lists equipment for treatments A, B, C, D.

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Comments: Injury ratings on July 26 are due to weed competition. The soybean canopy was also closed at this time.

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Weed Code								STEME	TAROF	ERICA	POANN		STEME
Crop Code												GLXMA	
Rating Data Type								control	control	control	control	injury	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								5/25/2010	5/25/2010	5/25/2010	5/25/2010	6/25/2010	6/25/2010
Trt-Eval Interval								29 DA-A	29 DA-A	29 DA-A	29 DA-A	60 DA-A	60 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
1	Canopy	75	WG	2.25	oz/a	14 EPP	A	77	87	99	24	0	81
1	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A						
1	Herbimax (COC)		L	1	% v/v	14 EPP	A						
1	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
1	AMS		WG	17	lb/100 gal	POST	D						
2	Envive (2.5 oz/A)	41.3	WG					94	99	98	26	0	96
2	Classic	25	WG	0.92	oz/a	14 EPP	A						
2	Harmony SG	50	WG	0.15	oz/a	14 EPP	A						
2	Valor	51	WG	1.5	oz/a	14 EPP	A						
2	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A						
2	Herbimax (COC)		L	1	% v/v	14 EPP	A						
2	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
2	AMS		WG	17	lb/100 gal	POST	D						
3	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	99	0	99
3	Valor	51	WG	2	oz/a	7 EPP	B						
3	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
3	AMS		WG	17	lb/100 gal	7 EPP	B						
3	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
3	AMS		WG	17	lb/100 gal	POST	D						
4	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	99	0	99
4	Valor XLT	40.3	WG	3	oz/a	7 EPP	B						
4	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
4	AMS		WG	17	lb/100 gal	7 EPP	B						
4	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
4	AMS		WG	17	lb/100 gal	POST	D						
5	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	98	99	99	0	99
5	Valor	51	WG	2	oz/a	7 EPP	B						
5	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
5	AMS		WG	17	lb/100 gal	7 EPP	B						
5	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
5	MON 63410	3	L	3	pt/a	POST	D						
5	AMS		WG	17	lb/100 gal	POST	D						
6	Extreme	2.17	L	3	pt/a	7 EPP	B	99	84	99	98	0	99
6	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
6	Activator 90		L	0.25	% v/v	7 EPP	B						
6	AMS		WG	17	lb/100 gal	7 EPP	B						
6	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
6	AMS		WG	17	lb/100 gal	POST	D						
7	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	92	99	99	0	99
7	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
7	AMS		WG	17	lb/100 gal	7 EPP	B						
7	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
7	MON 63410	3	L	3	pt/a	POST	D						
7	AMS		WG	17	lb/100 gal	POST	D						
8	Untreated							0	0	0	0	0	0
9	Gramoxone Inteon	2	L	2.5	pt/a	7 EPP	B	99	71	99	99	0	95
9	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
9	Herbimax (COC)		L	1	% v/v	7 EPP	B						
9	Touchdown Total	4.17	L	24	fl oz/a	POST	D						
9	AMS		WG	8.5	lb/100 gal	POST	D						

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Weed Code								STEME	TAROF	ERICA	POANN		STEME
Crop Code												GLXMA	
Rating Data Type								control	control	control	control	injury	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								5/25/2010	5/25/2010	5/25/2010	5/25/2010	6/25/2010	6/25/2010
Trt-Eval Interval								29 DA-A	29 DA-A	29 DA-A	29 DA-A	60 DA-A	60 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
10	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	99	76	99	99	0	98
10	Prefix	5.29	L	2	pt/a	7 EPP	B						
10	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
10	Herbimax (COC)		L	1	% v/v	7 EPP	B						
10	Touchdown Total	4.17	L	24	fl oz/a	POST	D						
10	AMS		WG	8.5	lb/100 gal	POST	D						
11	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	99	68	99	99	0	97
11	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
11	Herbimax (COC)		L	1	% v/v	7 EPP	B						
11	Sequence	5.25	L	3.5	pt/a	POST	D						
11	AMS		WG	8.5	lb/100 gal	POST	D						
12	Ignite	2.34	L	36	fl oz/a	7 EPP	B	99	98	99	96	0	95
12	AMS		WG	8.5	lb/100 gal	7 EPP	B						
12	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
12	AMS		WG	17	lb/100 gal	POST	D						
13	Ignite	2.34	L	22	fl oz/a	7 EPP	B	94	97	99	82	0	92
13	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B						
13	AMS		WG	8.5	lb/100 gal	7 EPP	B						
13	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
13	AMS		WG	17	lb/100 gal	POST	D						
14	Ignite	2.34	L	36	fl oz/a	7 EPP	B	99	99	99	99	0	96
14	Sharpen	2.85	L	1	fl oz/a	7 EPP	B						
14	AMS		WG	8.5	lb/100 gal	7 EPP	B						
14	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
14	AMS		WG	17	lb/100 gal	POST	D						
15	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	93	99	99	0	97
15	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B						
15	AMS		WG	17	lb/100 gal	7 EPP	B						
15	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
15	AMS		WG	17	lb/100 gal	POST	D						
16	OpTill	68	WG	2	oz/a	PRE	C	0	0	0	0	0	99
16	Roundup PowerMax	4	SL	22	fl oz/a	PRE	C						
16	MSO		L	1	% v/v	PRE	C						
16	AMS		WG	17	lb/100 gal	PRE	C						
16	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
16	AMS		WG	17	lb/100 gal	POST	D						
LSD (P=.05)								4.6	8.4	0.6	5.5	0.0	4.8
Standard Deviation								3.6	6.6	0.5	4.3	0.0	3.8
CV								4.31	8.41	0.56	5.7	0.0	4.2

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code								TAROF	ERICA	ANGR	CHEAL	GLXMA	TAROF
Crop Code													
Rating Data Type								control	control	control	control	injury	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								6/25/2010	6/25/2010	6/25/2010	6/25/2010	7/26/2010	7/26/2010
Trt-Eval Interval								60 DA-A	60 DA-A	60 DA-A	60 DA-A	91 DA-A	91 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
1	Canopy	75	WG	2.25	oz/a	14 EPP	A	91	97	99	96	0	99
1	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A						
1	Herbimax (COC)		L	1	% v/v	14 EPP	A						
1	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
1	AMS		WG	17	lb/100 gal	POST	D						
2	Envive (2.5 oz/A)	41.3	WG					93	84	96	99	0	99
2	Classic	25	WG	0.92	oz/a	14 EPP	A						
2	Harmony SG	50	WG	0.15	oz/a	14 EPP	A						
2	Valor	51	WG	1.5	oz/a	14 EPP	A						
2	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A						
2	Herbimax (COC)		L	1	% v/v	14 EPP	A						
2	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
2	AMS		WG	17	lb/100 gal	POST	D						
3	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	85	99	99	95	0	99
3	Valor	51	WG	2	oz/a	7 EPP	B						
3	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
3	AMS		WG	17	lb/100 gal	7 EPP	B						
3	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
3	AMS		WG	17	lb/100 gal	POST	D						
4	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	96	99	99	99	0	99
4	Valor XLT	40.3	WG	3	oz/a	7 EPP	B						
4	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
4	AMS		WG	17	lb/100 gal	7 EPP	B						
4	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
4	AMS		WG	17	lb/100 gal	POST	D						
5	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	85	99	97	99	0	99
5	Valor	51	WG	2	oz/a	7 EPP	B						
5	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
5	AMS		WG	17	lb/100 gal	7 EPP	B						
5	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
5	MON 63410	3	L	3	pt/a	POST	D						
5	AMS		WG	17	lb/100 gal	POST	D						
6	Extreme	2.17	L	3	pt/a	7 EPP	B	88	99	99	99	0	99
6	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
6	Activator 90		L	0.25	% v/v	7 EPP	B						
6	AMS		WG	17	lb/100 gal	7 EPP	B						
6	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
6	AMS		WG	17	lb/100 gal	POST	D						
7	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	83	99	96	76	0	99
7	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
7	AMS		WG	17	lb/100 gal	7 EPP	B						
7	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
7	MON 63410	3	L	3	pt/a	POST	D						
7	AMS		WG	17	lb/100 gal	POST	D						
8	Untreated							0	0	0	0	37	0
9	Gramoxone Inteon	2	L	2.5	pt/a	7 EPP	B	70	96	93	79	0	99
9	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
9	Herbimax (COC)		L	1	% v/v	7 EPP	B						
9	Touchdown Total	4.17	L	24	fl oz/a	POST	D						
9	AMS		WG	8.5	lb/100 gal	POST	D						

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Weed Code								TAROF	ERICA	ANGR	CHEAL	GLXMA	TAROF
Crop Code													
Rating Data Type								control	control	control	control	injury	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								6/25/2010	6/25/2010	6/25/2010	6/25/2010	7/26/2010	7/26/2010
Trt-Eval Interval								60 DA-A	60 DA-A	60 DA-A	60 DA-A	91 DA-A	91 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
10	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	65	99	99	99	0	99
10	Prefix	5.29	L	2	pt/a	7 EPP	B						
10	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
10	Herbimax (COC)		L	1	% v/v	7 EPP	B						
10	Touchdown Total	4.17	L	24	fl oz/a	POST	D						
10	AMS		WG	8.5	lb/100 gal	POST	D						
11	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	61	99	99	77	0	99
11	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B						
11	Herbimax (COC)		L	1	% v/v	7 EPP	B						
11	Sequence	5.25	L	3.5	pt/a	POST	D						
11	AMS		WG	8.5	lb/100 gal	POST	D						
12	Ignite	2.34	L	36	fl oz/a	7 EPP	B	83	97	99	79	1	99
12	AMS		WG	8.5	lb/100 gal	7 EPP	B						
12	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
12	AMS		WG	17	lb/100 gal	POST	D						
13	Ignite	2.34	L	22	fl oz/a	7 EPP	B	81	95	95	74	0	99
13	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B						
13	AMS		WG	8.5	lb/100 gal	7 EPP	B						
13	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
13	AMS		WG	17	lb/100 gal	POST	D						
14	Ignite	2.34	L	36	fl oz/a	7 EPP	B	89	99	90	87	0	99
14	Sharpen	2.85	L	1	fl oz/a	7 EPP	B						
14	AMS		WG	8.5	lb/100 gal	7 EPP	B						
14	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
14	AMS		WG	17	lb/100 gal	POST	D						
15	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	89	99	92	67	0	99
15	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B						
15	AMS		WG	17	lb/100 gal	7 EPP	B						
15	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D						
15	AMS		WG	17	lb/100 gal	POST	D						
16	OpTill	68	WG	2	oz/a	PRE	C	78	99	96	99	0	99
16	Roundup PowerMax	4	SL	22	fl oz/a	PRE	C						
16	MSO		L	1	% v/v	PRE	C						
16	AMS		WG	17	lb/100 gal	PRE	C						
16	Roundup PowerMax	4	SL	22	fl oz/a	POST	D						
16	AMS		WG	17	lb/100 gal	POST	D						
LSD (P=.05)								7.5	4.0	7.1	10.6	4.2	0.0
Standard Deviation								5.9	3.1	5.6	8.4	3.3	0.0
CV								7.7	3.44	6.18	10.17	139.38	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)
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Weed Code								ERICA	ANGR	CHEAL	GLXMA	GLXMA
Crop Code											moisture	yield
Rating Data Type								control	control	control	percent	bu/acre
Rating Unit								percent	percent	percent	percent	
Rating Date								7/26/2010	7/26/2010	7/26/2010	10/11/2010	10/11/2010
Trt-Eval Interval								91 DA-A	91 DA-A	91 DA-A	168 DA-A	at 13% M
# Subsamples, Dec.								0	0	0	1	1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Canopy	75	WG	2.25	oz/a	14 EPP	A	99	99	99	9.5	44.2
1	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A					
1	Herbimax (COC)		L	1	% v/v	14 EPP	A					
1	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
1	AMS		WG	17	lb/100 gal	POST	D					
2	Envive (2.5 oz/A)	41.3	WG					99	99	99	9.5	46.3
2	Classic	25	WG	0.92	oz/a	14 EPP	A					
2	Harmony SG	50	WG	0.15	oz/a	14 EPP	A					
2	Valor	51	WG	1.5	oz/a	14 EPP	A					
2	2,4-D Ester	3.8	SL	1	pt/a	14 EPP	A					
2	Herbimax (COC)		L	1	% v/v	14 EPP	A					
2	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
2	AMS		WG	17	lb/100 gal	POST	D					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	9.5	43.8
3	Valor	51	WG	2	oz/a	7 EPP	B					
3	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
3	AMS		WG	17	lb/100 gal	7 EPP	B					
3	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
3	AMS		WG	17	lb/100 gal	POST	D					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	9.5	46.2
4	Valor XLT	40.3	WG	3	oz/a	7 EPP	B					
4	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
4	AMS		WG	17	lb/100 gal	7 EPP	B					
4	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
4	AMS		WG	17	lb/100 gal	POST	D					
5	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	9.5	44.1
5	Valor	51	WG	2	oz/a	7 EPP	B					
5	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
5	AMS		WG	17	lb/100 gal	7 EPP	B					
5	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
5	MON 63410	3	L	3	pt/a	POST	D					
5	AMS		WG	17	lb/100 gal	POST	D					
6	Extreme	2.17	L	3	pt/a	7 EPP	B	99	99	99	9.5	40.5
6	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
6	Activator 90		L	0.25	% v/v	7 EPP	B					
6	AMS		WG	17	lb/100 gal	7 EPP	B					
6	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
6	AMS		WG	17	lb/100 gal	POST	D					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	99	99	99	9.8	40.7
7	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
7	AMS		WG	17	lb/100 gal	7 EPP	B					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
7	MON 63410	3	L	3	pt/a	POST	D					
7	AMS		WG	17	lb/100 gal	POST	D					
8	Untreated							0	0	0	10.3	22.4
9	Gramoxone Inteon	2	L	2.5	pt/a	7 EPP	B	99	99	99	9.6	40.5
9	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
9	Herbimax (COC)		L	1	% v/v	7 EPP	B					
9	Touchdown Total	4.17	L	24	fl oz/a	POST	D					
9	AMS		WG	8.5	lb/100 gal	POST	D					

MSU Weed Science Research Program

Comparison of commercial programs in no-till soybean

Trial ID: NTS01-10
 Conducted: T-16 North

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code								ERICA	ANGR	CHEAL	GLXMA	GLXMA
Crop Code											moisture	yield
Rating Data Type								control	control	control	percent	bu/acre
Rating Unit								percent	percent	percent	percent	
Rating Date								7/26/2010	7/26/2010	7/26/2010	10/11/2010	10/11/2010
Trt-Eval Interval								91 DA-A	91 DA-A	91 DA-A	168 DA-A	at 13% M
# Subsamples, Dec.								0	0	0	1	1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
10	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	99	99	99	9.6	43.5
10	Prefix	5.29	L	2	pt/a	7 EPP	B					
10	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
10	Herbimax (COC)		L	1	% v/v	7 EPP	B					
10	Touchdown Total	4.17	L	24	fl oz/a	POST	D					
10	AMS		WG	8.5	lb/100 gal	POST	D					
11	Gramoxone Inteon	2	L	3	pt/a	7 EPP	B	99	99	99	9.5	42.1
11	2,4-D Ester	3.8	SL	1	pt/a	7 EPP	B					
11	Herbimax (COC)		L	1	% v/v	7 EPP	B					
11	Sequence	5.25	L	3.5	pt/a	POST	D					
11	AMS		WG	8.5	lb/100 gal	POST	D					
12	Ignite	2.34	L	36	fl oz/a	7 EPP	B	98	99	99	9.3	44.2
12	AMS		WG	8.5	lb/100 gal	7 EPP	B					
12	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
12	AMS		WG	17	lb/100 gal	POST	D					
13	Ignite	2.34	L	22	fl oz/a	7 EPP	B	97	99	99	9.3	46.8
13	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B					
13	AMS		WG	8.5	lb/100 gal	7 EPP	B					
13	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
13	AMS		WG	17	lb/100 gal	POST	D					
14	Ignite	2.34	L	36	fl oz/a	7 EPP	B	99	99	99	9.6	47.1
14	Sharpen	2.85	L	1	fl oz/a	7 EPP	B					
14	AMS		WG	8.5	lb/100 gal	7 EPP	B					
14	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
14	AMS		WG	17	lb/100 gal	POST	D					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	B	96	86	70	9.7	47.8
15	2,4-D Ester	3.8	L	1	pt/a	7 EPP	B					
15	AMS		WG	17	lb/100 gal	7 EPP	B					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	D					
15	AMS		WG	17	lb/100 gal	POST	D					
16	OpTill	68	WG	2	oz/a	PRE	C	97	99	99	9.4	45.7
16	Roundup PowerMax	4	SL	22	fl oz/a	PRE	C					
16	MSO		L	1	% v/v	PRE	C					
16	AMS		WG	17	lb/100 gal	PRE	C					
16	Roundup PowerMax	4	SL	22	fl oz/a	POST	D					
16	AMS		WG	17	lb/100 gal	POST	D					
LSD (P=.05)								2.7	2.5	2.7	0.34	7.44
Standard Deviation								2.1	1.9	2.2	0.27	5.88
CV								2.31	2.12	2.38	2.83	13.71

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.