

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Date Planted: 5/8/07 **Row Spacing:** 30 IN
Variety: Pioneer 91M91 **No. of Reps:** 4
Population: 155,000 Seeds/Acre **% OM:** 3.3
Soil Type: Loam **pH:** 6.0
Plot Size: 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

Tillage: Fall Chisel Plowed, Spring Soil Finish X2 5/8/07
Fertilizer: None at Planting

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
2.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	ANGR	mainly foxtail species	SETARIA SP.
4.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S.WATS.
5.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
Crop	Code	Common Name	
1.	GLMXA	SOYBEAN	

Application Description

	A	B	C	D	E
Application Timing:	PRE	E. POST	M. POST	POST	L. POST
Date Treated:	5/8/07	6/9/07	6/11/07	6/18/07	7/2/07
Time Treated:	6:14 pm	12:45 pm	1:15 pm	10:30 am	8:00 pm
% Cloud Cover:	40	0	0	50	45
Air Temp., Unit:	82 F	78 F	82 F	84 F	74 F
% Relative Humidity:	29	30	42	40	40
Wind Speed/Unit/Dir:	4 mph W	2 mph S	6 mph NE	5 mph SW	1 mph SW
Soil Temp., Unit:	75 F	77 F	78 F	80 F	76 F
Soil/Leaf Surface M:	5 5	5 5	5 5	5 5	5 5
Soil Moist (1=w 5=d):	5	5	5	5	5

Crop Stage at Each Application

	A	B	C	D	E
Crop Name:	GLMXA	GLMXA	GLMXA	GLMXA	GLMXA
Height (In.):	-	5-6"	6-7"	7-12"	13-19"
Stage (L):	-	V2	V2-V3	V5-R1	R1

Weed Stage at Each Application

	A	B	C	D	E
Weed 1 Name:	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
Height (In.):	-	1-5"	2-5"	4-14"	2-6"
Stage (L):	-	4-6	6-14	8-Many	6-many
Weed 2 Name:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Height (In.):	-	1/2-3"	2-3"	1-8"	3-9"
Stage (L):	-	coty-4	2-4	5-9	5-9
Weed 3 Name:	ANGR	ANGR	ANGR	ANGR	ANGR
Height (In.):	-	1-7"	2-4"	1/2-7"	2-6"
Stage (L):	-	2-5	2-5	3-5	3-5
Weed 4 Name:	AMAPO	AMAPO	AMAPO	AMAPO	AMAPO
Height (In.):	-	1-4"	-	-	2-4"
Stage (L):	-	4-8	-	-	4-8
Weed 5 Name:	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
Height (In.):	-	-	-	1-3"	2-4"
Stage (L):	-	-	-	6-8	6-10

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
Conducted: C-14W

Study Dir.: Sprague, Powell
Investigator: Christy Sprague

Weed Density (plants/sq. ft.)

	1	2	3	4	5
Date:	7/9/07	7/9/07	7/9/07	7/9/07	7/9/07
Weed Name:	CHEAL	ABUTH	ANGR	AMBEL	AMAPO
Density:	< 1	1	48	12	2

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom	GPA	Carrier	PSI
	Type	MPH	Type	Size	Height	Spacing	Width			
A	Cub	3.8	AirMix	11003	23"	20"	100"	19	Water	27
B	Cub	3.8	AirMix	11003	27"	20"	100"	19	Water	27
C	Cub	3.8	AirMix	11003	27"	20"	100"	19	Water	27
D	Cub	3.8	AirMix	11003	27"	20"	100"	19	Water	27
E	Cub	3.8	AirMix	11003	29"	20"	100"	19	Water	27

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code								ANGR AMBEL AMAPO ABUTH ANGR						
Crop Code								GLXMA	GLXMA					
Rating Data Type								injury	injury	control	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent	percent	percent
Rating Date								6/8/07	7/3/07	7/3/07	7/3/07	7/3/07	7/3/07	7/16/07
Trt-Eval Interval								31 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	69 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
1	Authority First	70	DF	3.2	oz/a	PRE	A	0	1	95	96	98	95	88
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOST	C							
1	AMS		WG	17	lb/100 gal	MPOST	C							
2	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	3	4	94	88	97	95	87
2	Buccaneer Plus	3	AS	32	fl oz/a	EPOS	B							
2	AMS		WG	8.5	lb/100 gal	EPOS	B							
3	Sencor	75	DF	6.4	oz/a	PRE	A	5	3	88	78	99	99	93
3	Define	4	SC	14	fl oz/a	PRE	A							
3	Pursuit	70	DG	1	oz/a	PRE	A							
4	Pendimax	3.3	L	2.4	pt/a	PRE	A	7	2	74	53	99	99	73
4	Sonic	70	DF	6	oz/a	PRE	A							
5	Canopy	75	DF	2.25	oz/a	PRE	A	11	7	84	62	99	96	87
5	Linex	4	L	1	pt/a	PRE	A							
5	Cinch	7.64	EC	1	pt/a	PRE	A							
6	Prefix (2 pt/A)							3	1	93	94	99	40	96
6	Dual Magnum	7.62	EC	1	pt/a	PRE	A							
6	Reflex	2	L	1	pt/a	PRE	A							
6	Boundary	6.5	EC	1.25	pt/a	PRE	A							
7	IntRRo	4	L	1.5	qt/a	PRE	A	1	1	86	91	95	95	78
7	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B							
7	AMS		WG	17	lb/100 gal	EPOS	B							
8	Prefix (2 pt/A)							3	1	98	99	99	96	96
8	Dual Magnum	7.62	EC	1	pt/a	PRE	A							
8	Reflex	2	L	1	pt/a	PRE	A							
8	Touchdown Total	4.17	SL	24	fl oz/a	POST	D							
8	AMS		WG	17	lb/100 gal	POST	D							
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B	0	8	95	92	91	93	98
9	AMS		WG	17	lb/100 gal	EPOS	B							
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E							
9	AMS		WG	17	lb/100 gal	LPOS	E							
10	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	0	18	78	84	99	91	78
10	Raptor	1	L	4	fl oz/a	EPOS	B							
10	Flexstar	1.88	L	12	fl oz/a	EPOS	B							
10	MSO		L	1	% v/v	EPOS	B							
10	AMS		WG	2.5	lb/a	EPOS	B							
11	Sencor	75	DF	8	oz/a	PRE	A	5	0	92	98	98	91	85
11	Roundup OriginalMax	4.5	SL	16	fl oz/a	MPOS	C							
11	AMS		WG	17	lb/100 gal	MPOS	C							
12	Untreated							0	0	0	0	0	0	0
13	Boundary	6.5	EC	1.25	pt/a	PRE	A	3	3	96	99	99	97	90
13	Touchdown Total	4.17	SL	24	fl oz/a	POST	D							
13	AMS		WG	17	lb/100 gal	POST	D							
14	Roundup OriginalMax	4.5	SL	32	fl oz/a	POST	D	0	12	96	95	99	98	97
14	AMS		WG	17	lb/100 gal	POST	D							
14	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E							
14	AMS		WG	17	lb/100 gal	LPOS	E							

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code									ANGR	AMBEL	AMAPO	ABUTH	ANGR
Crop Code								GLXMA	GLXMA				
Rating Data Type								injury	injury	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								6/8/07	7/3/07	7/3/07	7/3/07	7/3/07	7/16/07
Trt-Eval Interval								31 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
15	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	9	9	99	80	99	99	96
15	Extreme	2.17	L	3	pt/a	EPOS	B							
15	Activator 90		L	0.125	% v/v	EPOS	B							
15	AMS		WG	2.5	lb/a	EPOS	B							
16	Sencor	75	DF	5.28	oz/a	PRE	A	4	1	75	77	81	71	71
16	Linex	4	L	1	pt/a	PRE	A							
16	Define	4	SC	14	fl oz/a	PRE	A							
17	Sequence	5.25	EW	3.5	pt/a	EPOS	B	0	8	99	87	92	94	99
17	AMS		WG	17	lb/100 gal	EPOS	B							
17	Touchdown Total	4.17	SL	24	fl oz/a	LPOS	E							
17	AMS		WG	17	lb/100 gal	LPOS	E							
18	Sencor	75	DF	5.28	oz/a	PRE	A	0	0	93	95	89	97	86
18	Roundup OriginalMax	4.5	SL	16	fl oz/a	EPOS	B							
18	AMS		WG	17	lb/100 gal	EPOS	B							
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B	0	3	94	92	94	97	97
19	AMS		WG	17	lb/100 gal	EPOS	B							
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E							
19	AMS		WG	17	lb/100 gal	LPOS	E							
20	Envive	41.3	DG	3.5	oz/a	PRE	A	11	10	95	98	99	99	97
20	Flexstar	1.88	L	1	pt/a	POST	D							
20	Assure II	0.88	L	8	fl oz/a	POST	D							
20	Crop Oil Concentrate		L	1	% v/v	POST	D							
21	Weed-free							0	0	99	99	99	99	99
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B							
21	AMS		WG	17	lb/100 gal	EPOS	B							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	D							
21	AMS		WG	17	lb/100 gal	POST	D							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E							
21	AMS		WG	17	lb/100 gal	LPOS	E							

LSD (P=.05)		4.5	4.5	5.4	8.5	3.9	5.6	5.3
Standard Deviation		3.2	3.2	3.8	6.0	2.8	3.9	3.8
CV		103.68	74.36	4.4	7.23	3.04	4.48	4.42

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	AMBEL	AMAPO	ABUTH	CHEAL	ANGR	AMBEL	CHEAL
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	7/16/07	7/16/07	7/16/07	7/16/07	8/9/07	8/9/07	8/9/07
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	93 DA-A	93 DA-A	93 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
1	Authority First	70	DF	3.2	oz/a	PRE	A	89	98	94	99	92	96	99
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOST	C							
1	AMS		WG	17	lb/100 gal	MPOST	C							
2	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	90	90	89	93	89	96	97
2	Buccaneer Plus	3	AS	32	fl oz/a	EPOS	B							
2	AMS		WG	8.5	lb/100 gal	EPOS	B							
3	Sencor	75	DF	6.4	oz/a	PRE	A	71	99	99	99	96	54	99
3	Define	4	SC	14	fl oz/a	PRE	A							
3	Pursuit	70	DG	1	oz/a	PRE	A							
4	Pendimax	3.3	L	2.4	pt/a	PRE	A	31	99	99	99	69	23	99
4	Sonic	70	DF	6	oz/a	PRE	A							
5	Canopy	75	DF	2.25	oz/a	PRE	A	50	99	99	99	91	30	99
5	Linex	4	L	1	pt/a	PRE	A							
5	Cinch	7.64	EC	1	pt/a	PRE	A							
6	Prefix (2 pt/A)							91	99	33	93	96	85	96
6	Dual Magnum	7.62	EC	1	pt/a	PRE	A							
6	Reflex	2	L	1	pt/a	PRE	A							
6	Boundary	6.5	EC	1.25	pt/a	PRE	A							
7	IntRRo	4	L	1.5	qt/a	PRE	A	92	88	92	97	65	95	96
7	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B							
7	AMS		WG	17	lb/100 gal	EPOS	B							
8	Prefix (2 pt/A)							99	99	95	94	98	99	98
8	Dual Magnum	7.62	EC	1	pt/a	PRE	A							
8	Reflex	2	L	1	pt/a	PRE	A							
8	Touchdown Total	4.17	SL	24	fl oz/a	POST	D							
8	AMS		WG	17	lb/100 gal	POST	D							
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B	98	99	99	99	98	99	99
9	AMS		WG	17	lb/100 gal	EPOS	B							
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E							
9	AMS		WG	17	lb/100 gal	LPOS	E							
10	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	78	99	89	94	87	68	96
10	Raptor	1	L	4	fl oz/a	EPOS	B							
10	Flexstar	1.88	L	12	fl oz/a	EPOS	B							
10	MSO		L	1	% v/v	EPOS	B							
10	AMS		WG	2.5	lb/a	EPOS	B							
11	Sencor	75	DF	8	oz/a	PRE	A	97	81	88	94	83	97	98
11	Roundup OriginalMax	4.5	SL	16	fl oz/a	MPOS	C							
11	AMS		WG	17	lb/100 gal	MPOS	C							
12	Untreated							0	0	0	0	0	0	0
13	Boundary	6.5	EC	1.25	pt/a	PRE	A	99	95	92	95	84	97	96
13	Touchdown Total	4.17	SL	24	fl oz/a	POST	D							
13	AMS		WG	17	lb/100 gal	POST	D							
14	Roundup OriginalMax	4.5	SL	32	fl oz/a	POST	D	99	99	99	99	87	98	98
14	AMS		WG	17	lb/100 gal	POST	D							
14	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E							
14	AMS		WG	17	lb/100 gal	LPOS	E							

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	AMBEL	AMAPO	ABUTH	CHEAL	ANGR	AMBEL	CHEAL
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	7/16/07	7/16/07	7/16/07	7/16/07	8/9/07	8/9/07	8/9/07
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	93 DA-A	93 DA-A	93 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
15	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	84	99	96	99	96	86	99
15	Extreme	2.17	L	3	pt/a	EPOS	B							
15	Activator 90		L	0.125	% v/v	EPOS	B							
15	AMS		WG	2.5	lb/a	EPOS	B							
16	Sencor	75	DF	5.28	oz/a	PRE	A	68	79	49	97	67	56	96
16	Linex	4	L	1	pt/a	PRE	A							
16	Define	4	SC	14	fl oz/a	PRE	A							
17	Sequence	5.25	EW	3.5	pt/a	EPOS	B	98	99	99	99	99	99	99
17	AMS		WG	17	lb/100 gal	EPOS	B							
17	Touchdown Total	4.17	SL	24	fl oz/a	LPOS	E							
17	AMS		WG	17	lb/100 gal	LPOS	E							
18	Sencor	75	DF	5.28	oz/a	PRE	A	95	81	95	95	95	94	97
18	Roundup OriginalMax	4.5	SL	16	fl oz/a	EPOS	B							
18	AMS		WG	17	lb/100 gal	EPOS	B							
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B	98	99	99	99	96	99	99
19	AMS		WG	17	lb/100 gal	EPOS	B							
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E							
19	AMS		WG	17	lb/100 gal	LPOS	E							
20	Envive	41.3	DG	3.5	oz/a	PRE	A	98	99	99	99	94	96	99
20	Flexstar	1.88	L	1	pt/a	POST	D							
20	Assure II	0.88	L	8	fl oz/a	POST	D							
20	Crop Oil Concentrate		L	1	% v/v	POST	D							
21	Weed-free							99	99	99	99	99	99	99
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B							
21	AMS		WG	17	lb/100 gal	EPOS	B							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	D							
21	AMS		WG	17	lb/100 gal	POST	D							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E							
21	AMS		WG	17	lb/100 gal	LPOS	E							
LSD (P=.05)								11.6	5.1	7.7	5.1	13.0	10.8	4.5
Standard Deviation								8.2	3.6	5.5	3.6	9.2	7.7	3.2
CV								10.02	4.02	6.37	3.93	10.87	9.68	3.39

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ABUTH	AMAPO	GLXMA	GLXMA
Crop Code				
Rating Data Type	control	control	moisture	yield
Rating Unit	percent	percent	percent	bu/acre
Rating Date	8/9/07	8/9/07	9/29/07	9/29/07
Trt-Eval Interval	93 DA-A	93 DA-A	144 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Authority First	70	DF	3.2	oz/a	PRE	A	99	98	11.6	46.0
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOST	C				
1	AMS		WG	17	lb/100 gal	MPOST	C				
2	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	97	94	11.6	48.1
2	Buccaneer Plus	3	AS	32	fl oz/a	EPOS	B				
2	AMS		WG	8.5	lb/100 gal	EPOS	B				
3	Sencor	75	DF	6.4	oz/a	PRE	A	99	99	12.2	35.0
3	Define	4	SC	14	fl oz/a	PRE	A				
3	Pursuit	70	DG	1	oz/a	PRE	A				
4	Pendimax	3.3	L	2.4	pt/a	PRE	A	99	99	12.8	19.3
4	Sonic	70	DF	6	oz/a	PRE	A				
5	Canopy	75	DF	2.25	oz/a	PRE	A	99	99	12.5	23.9
5	Linex	4	L	1	pt/a	PRE	A				
5	Cinch	7.64	EC	1	pt/a	PRE	A				
6	Prefix (2 pt/A)							59	99	12.4	41.7
6	Dual Magnum	7.62	EC	1	pt/a	PRE	A				
6	Reflex	2	L	1	pt/a	PRE	A				
6	Boundary	6.5	EC	1.25	pt/a	PRE	A				
7	IntRRo	4	L	1.5	qt/a	PRE	A	99	88	11.6	45.4
7	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B				
7	AMS		WG	17	lb/100 gal	EPOS	B				
8	Prefix (2 pt/A)							99	99	11.8	48.4
8	Dual Magnum	7.62	EC	1	pt/a	PRE	A				
8	Reflex	2	L	1	pt/a	PRE	A				
8	Touchdown Total	4.17	SL	24	fl oz/a	POST	D				
8	AMS		WG	17	lb/100 gal	POST	D				
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B	99	99	11.4	49.9
9	AMS		WG	17	lb/100 gal	EPOS	B				
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E				
9	AMS		WG	17	lb/100 gal	LPOS	E				
10	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	96	99	11.5	41.4
10	Raptor	1	L	4	fl oz/a	EPOS	B				
10	Flexstar	1.88	L	12	fl oz/a	EPOS	B				
10	MSO		L	1	% v/v	EPOS	B				
10	AMS		WG	2.5	lb/a	EPOS	B				
11	Sencor	75	DF	8	oz/a	PRE	A	95	97	11.8	44.9
11	Roundup OriginalMax	4.5	SL	16	fl oz/a	MPOS	C				
11	AMS		WG	17	lb/100 gal	MPOS	C				
12	Untreated							0	0	12.7	6.3
13	Boundary	6.5	EC	1.25	pt/a	PRE	A	99	98	11.7	43.0
13	Touchdown Total	4.17	SL	24	fl oz/a	POST	D				
13	AMS		WG	17	lb/100 gal	POST	D				
14	Roundup OriginalMax	4.5	SL	32	fl oz/a	POST	D	98	98	11.9	39.8
14	AMS		WG	17	lb/100 gal	POST	D				
14	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E				
14	AMS		WG	17	lb/100 gal	LPOS	E				

MSU Weed Science Research Program

Commercial Comparisons in Conventional Tillage Soybean

Trial ID: SOY08-07
 Conducted: C-14W

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ABUTH	AMAPO	GLXMA	GLXMA
Crop Code				
Rating Data Type	control	control	moisture	yield
Rating Unit	percent	percent	percent	bu/acre
Rating Date	8/9/07	8/9/07	9/29/07	9/29/07
Trt-Eval Interval	93 DA-A	93 DA-A	144 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
15	Prowl H2O	3.8	L	2.5	pt/a	PRE	A	98	99	11.6	45.2
15	Extreme	2.17	L	3	pt/a	EPOS	B				
15	Activator 90		L	0.125	% v/v	EPOS	B				
15	AMS		WG	2.5	lb/a	EPOS	B				
16	Sencor	75	DF	5.28	oz/a	PRE	A	82	92	12.6	31.6
16	Linex	4	L	1	pt/a	PRE	A				
16	Define	4	SC	14	fl oz/a	PRE	A				
17	Sequence	5.25	EW	3.5	pt/a	EPOS	B	99	99	11.7	46.9
17	AMS		WG	17	lb/100 gal	EPOS	B				
17	Touchdown Total	4.17	SL	24	fl oz/a	LPOS	E				
17	AMS		WG	17	lb/100 gal	LPOS	E				
18	Sencor	75	DF	5.28	oz/a	PRE	A	99	93	11.3	50.6
18	Roundup OriginalMax	4.5	SL	16	fl oz/a	EPOS	B				
18	AMS		WG	17	lb/100 gal	EPOS	B				
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	EPOS	B	99	99	11.6	49.4
19	AMS		WG	17	lb/100 gal	EPOS	B				
19	Roundup OriginalMax	4.5	SL	22	fl oz/a	LPOS	E				
19	AMS		WG	17	lb/100 gal	LPOS	E				
20	Envive	41.3	DG	3.5	oz/a	PRE	A	99	99	11.4	47.7
20	Flexstar	1.88	L	1	pt/a	POST	D				
20	Assure II	0.88	L	8	fl oz/a	POST	D				
20	Crop Oil Concentrate		L	1	% v/v	POST	D				
21	Weed-free							99	99	11.5	46.8
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	EPOS	B				
21	AMS		WG	17	lb/100 gal	EPOS	B				
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	D				
21	AMS		WG	17	lb/100 gal	POST	D				
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	E				
21	AMS		WG	17	lb/100 gal	LPOS	E				
LSD (P=.05)								5.8	4.4	0.81	8.35
Standard Deviation								4.1	3.1	0.57	5.90
CV								4.5	3.32	4.81	14.56