

MSU Weed Science Research Program

Comparison of Commercial Herbicide Programs in No-Till Soybean 2006

Trial ID: NTS01-06
 Conducted: T-16N

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Date Planted: 5/8/2006
Variety: Asgrow 2107
Population: 205,000 seeds/acre
Soil Type: Clay Loam
Plot Size: 10 X 45 FT
Row Spacing: 7.5 IN
No. of Reps: 5
% OM: 2.8
pH: 6.8
Design: RANDOMIZED COMPLETE BLOCK

Tillage: No-Till into corn stubble
Fertilizer: None

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	VERPG	SPEEDWELL, PURSLANE	VERONICA PEREGRINA L.
2.	MELAL	COCKLE, WHITE	MELANDRIUM ALBUM (MILL.) GARCKE
3.	TAROF	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
4.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
5.	STEME	CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
6.	SONOL	SOWTHISTLE, ANNUAL	SONCHUS OLERACEUS L.
7.	ERIPH	FLEABANE, DAISY	ERIGERON PHILADELPHICUS L.
8.	DIGSA	CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.
9.	POROL	PURSLANE, COMMON	PORTULACA OLERACEA L.
10.	ERICA	HORSEWEED-MARESTAIL	ERIGERON CANADENSIS L.
11.	ANGR	Annual grass	mainly foxtail, panicum
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B	C	D	E
Application Timing:	14EPP	7EPP	PRE	M.POST	POST
Date Treated:	4/24/2006	5/1/2006	5/8/2006	6/14/2006	6/20/2006
Time Treated:	5:30 pm	5:00 pm	8:00 pm	8:45 am	9:15 am
% Cloud Cover:	10	100	5	5	0
Air Temp., Unit:	68 F	69 F	70 F	62 F	65 F
% Relative Humidity:	47	39	36	63	63
Wind Speed/Unit/Dir:	8 mph NW	11 mph SE	2 mph S	45 mph E	5 mph N
Soil Temp., Unit:	60 F	64 F	71 F	62 F	68 F
Soil/Leaf Surface M:	4 -	5 -	5	5	4 5
Soil Moist (1=w 5=d):	2	5	5	5	4

F

Application Timing:	L.POST
Date Treated:	6/23/2006
Time Treated:	3:00 PM
% Cloud Cover:	40
Air Temp., Unit:	74 F
% Relative Humidity:	39
Wind Speed/Unit/Dir:	3 mph NE
Soil Temp., Unit:	80 F
Soil/Leaf Surface M:	3 5
Soil Moist (1=w 5=d):	3

Crop Stage at Each Application

	A	B	C	D	E
Crop Name:	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Height (In.):	-	-	-	4-5"	6"-8"
Stage (L):	-	-	-	2 tri	2-3 tri
F					
Crop Name:	GLXMA				
Height (In.):	7-9"				
Stage (L):	2-3 tri				

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Weed Stage at Each Application

	A	B	C	D	E
Weed 1 Name:	VERPG	VERPG	VERPG	VERPG	VERPG
Height (In.):	3"	6"	12"	7"	-
Stage (L):	many	many	many	flowering	-
Weed 2 Name:	MELAL	MELAL	MELAL	MELAL	MELAL
Height (In.):	2"-4" dia	3"-4" dia	3" ht	-	-
Stage (L):	12-24	12-24	bolt	-	-
Weed 3 Name:	TAROF	TAROF	TAROF	TAROF	TAROF
Height (In.):	4"-8" dia	4"-8" dia	8 dia	18"	-
Stage (L):	preflower	flower	flower	flowering	-
Weed 4 Name:	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
Height (In.):	1/2-1 1/2	1/2-1 1/2	1/2"-2"	1-3"	1"-6"
Stage (L):	coty-4	2-6	2-8	4-10	6-many
Weed 5 Name:	STEME	STEME	STEME	STEME	STEME
Height (In.):	4"-8" dia	6"-14"	6"-14"	-	-
Stage (L):	flower	flower	flower	-	-
Weed 6 Name:	SONOL	SONOL	SONOL	SONOL	SONOL
Height (In.):	4"-8" dia	6"-10"	6"-10"	-	-
Stage (L):	many	many	many	-	-
Weed 7 Name:	ERIPH	ERIPH	ERIPH	ERIPH	ERIPH
Height (In.):	3" dia	5" dia	2" ht	3-9" ht	4"-12"
Stage (L):	rosette	rosette	bolt	many	many
Weed 8 Name:	DIGSA	DIGSA	DIGSA	DIGSA	DIGSA
Height (In.):	-	-	-	1-3"	1"-3"
Stage (L):	-	-	-	2-5	2-5
Weed 9 Name:	POROL	POROL	POROL	POROL	POROL
Height (In.):	-	-	-	-	1/4"
Stage (L):	-	-	-	-	4
Weed10 Name:	ERICA	ERICA	ERICA	ERICA	ERICA
Height (In.):	-	-	-	-	-
Stage (L):	-	-	-	-	-
Weed11 Name:	ANGR	ANGR	ANGR	ANGR	ANGR
Height (In.):	-	-	-	-	-
Stage (L):	-	-	-	-	-

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F

Weed 1 Name: VERPG
 Height (In.): -
 Stage (L): -

Weed 2 Name: MELAL
 Height (In.): -
 Stage (L): -

Weed 3 Name: TAROF
 Height (In.): 5-10" dia
 Stage (L): flowering

Weed 4 Name: CHEAL
 Height (In.): 2-8"
 Stage (L): 8-many

Weed 5 Name: STEME
 Height (In.): -
 Stage (L): -

Weed 6 Name: SONOL
 Height (In.): -
 Stage (L): -

Weed 7 Name: ERIPH
 Height (In.): -
 Stage (L): -

Weed 8 Name: DIGSA
 Height (In.): -
 Stage (L): -

Weed 9 Name: POROL
 Height (In.): -
 Stage (L): -

Weed10 Name: ERICA
 Height (In.): 7-10"
 Stage (L): many

Weed11 Name: ANGR
 Height (In.): 2-4"
 Stage (L): 3-5

Weed Density (plants/sq. ft.)

	1	2	3	4	5
Date:	7/21/2006	7/21/2006	7/21/2006	7/21/2006	7/21/2006
Weed Name:	CHEAL	AMBEL	SOLPT	TAROF	LACSE
Density:	2	<1	<1	1	1

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI	
A	Cub	3.8	AirMix 11003	19"	20"	100"	19	water	27	
B	Cub	3.8	AirMix 11003	20"	20"	100"	19	water	27	
C	Cub	3.8	AirMix 11003	20"	20"	100"	19	water	27	
D	Cub	3.8	AirMix 11003	22"	20"	100"	19	water	27	
E	Cub	3.8	AirMix 11003	22"	20"	100"	19	water	27	
F	Cub	3.8	AirMix 11003	24"	20"	120"	19	water	27	

Comments: Previous Crop: Corn. Previous Herbicide: Roundup, Distinct.

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Weed Code								TAROF	ERIST	LACSE	ANGR	CHEAL	ANGR
Crop Code						GLXMA		control	control	control	control	control	control
Rating Data Type						injury		percent	percent	percent	percent	percent	percent
Rating Unit						percent		6/14/2006	6/14/2006	6/14/2006	6/14/2006	6/14/2006	7/5/2006
Rating Date						6/14/2006		51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	72 DA-A
Trt-Eval Interval						51 DA-A		51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	72 DA-A
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code							
1	Extreme	2.17	3	pt/a	14 EPP	A	0	98	99	99	77	96	99
1	2,4-D Ester	4	1	pt/a	14 EPP	A							
1	Activator 90		0.25	% v/v	14 EPP	A							
1	AMS		2.5	lb/a	14 EPP	A							
1	Roundup OriginalMAX	4.5	22	fl oz/a	POST	E							
1	Activator 90		0.25	% v/v	POST	E							
1	AMS		2.5	lb/a	POST	E							
2	Sencor 75 DF	75	0.5	lb/a	14 EPP	A	0	83	95	97	82	89	95
2	2,4-D Ester	4	1	pt/a	14 EPP	A							
2	Crop Oil Concentrate		1	qt/a	14 EPP	A							
2	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D							
2	AMS		17	lb/100 gal	MPOS	D							
3	Python	80	0.8	oz/a	PRE	C	0	94	98	91	79	90	99
3	Durango	4	1.5	pt/a	PRE	C							
3	AMS		1.5	% w/w	PRE	C							
3	Durango	4	1.5	pt/a	LPOS	F							
3	AMS		1.5	% w/w	LPOS	F							
4	Canopy	75	2.25	oz/a	14 EPP	A	0	99	93	99	94	97	99
4	2,4-D Ester	4	1	pt/a	14 EPP	A							
4	Crop Oil Concentrate		1	% v/v	14 EPP	A							
4	Roundup OriginalMAX	4.5	22	fl oz/a	POST	E							
4	AMS		17	lb/100 gal	POST	E							
5	Roundup WeatherMAX	4.5	22	fl oz/a	14 EPP	A	0	99	99	99	75	49	99
5	2,4-D Ester	4	1	pt/a	14 EPP	A							
5	AMS		17	lb/100 gal	14 EPP	A							
5	Roundup WeatherMAX	4.5	22	fl oz/a	POST	E							
5	AMS		17	lb/100 gal	POST	E							
6	Boundary	6.5	3	pt/a	14 EPP	A	0	99	99	99	99	96	99
6	Gramoxone Inteon	2	2.5	pt/a	14 EPP	A							
6	Crop Oil Concentrate		1	% v/v	14 EPP	A							
6	Touchdown Total	4.17	24	fl oz/a	LPOS	F							
6	AMS		8.5	lb/100 gal	LPOS	F							
7	Gangster (3.6 oz/A)						0	95	98	95	99	99	97
7	Valor	51	3	oz/a	PRE	C							
7	FirstRate	84	0.6	oz/a	PRE	C							
7	Pendimax	3.3	2	pt/a	PRE	C							
7	Roundup OriginalMAX	4.5	22	fl oz/a	PRE	C							
7	AMS		17	lb/100 gal	PRE	C							
8	Untreated						0	0	0	0	0	0	0
9	WeedSOFT 1						15	99	99	99	89	66	86
9	Glyphosate (Buccaneer +)	3	1	qt/a	7 EPP	B							
9	2,4-D Ester	4	1	pt/a	7 EPP	B							
9	AMS		17	lb/100 gal	7 EPP	B							
9	Basagran	4	2	pt/a	MPOS	D							
9	ASSURE II	0.88	10	fl oz/a	MPOS	D							
9	Cobra	2	8	fl oz/a	MPOS	D							
9	Crop Oil Concentrate		0.5	qt/a	MPOS	D							
10	Sequence	5.25	3.5	pt/a	PRE	C	0	74	87	99	99	90	99
10	AMS		8.5	lb/100 gal	PRE	C							
10	Touchdown Total	4.17	24	fl oz/a	LPOS	F							
10	AMS		8.5	lb/100 gal	LPOS	F							

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Weed Code								TAROF	ERIST	LACSE	ANGR	CHEAL	ANGR
Crop Code						GLXMA		control	control	control	control	control	control
Rating Data Type						injury		percent	percent	percent	percent	percent	percent
Rating Unit						percent		6/14/2006	6/14/2006	6/14/2006	6/14/2006	6/14/2006	7/5/2006
Rating Date						6/14/2006		51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	72 DA-A
Trt-Eval Interval						51 DA-A		51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	72 DA-A
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code							
11	IntRRo	4	2	qt/a	PRE	C	0	83	93	96	97	95	98
11	Roundup WeatherMAX	4.5	22	fl oz/a	PRE	C							
11	AMS		17	lb/100 gal	PRE	C							
11	Roundup WeatherMAX	4.5	22	fl oz/a	POST	E							
11	AMS		17	lb/100 gal	POST	E							
12	Linex	4	1	pt/a	14 EPP	A	0	74	77	95	96	94	99
12	2,4-D Ester	4	1	pt/a	14 EPP	A							
12	Crop Oil Concentrate		1	% v/v	14 EPP	A							
12	Roundup OriginalMAX	4.5	22	fl oz/a	MPOS	D							
12	AMS		17	lb/100 gal	MPOS	D							
13	Sencor 75 DF	75	0.5	lb/a	7 EPP	B	0	99	99	99	97	98	99
13	Extreme	2.17	3	pt/a	7 EPP	B							
13	Activator 90		0.25	% v/v	7 EPP	B							
13	AMS		17	lb/100 gal	7 EPP	B							
13	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D							
13	AMS		17	lb/100 gal	MPOS	D							
14	Extreme	2.17	3	pt/a	7 EPP	B	0	99	99	99	98	99	96
14	2,4-D Ester	4	1	pt/a	7 EPP	B							
14	Prowl H2O	3.8	2	pt/a	7 EPP	B							
14	Activator 90		0.25	% v/v	7 EPP	B							
14	AMS		2.5	lb/a	7 EPP	B							
15	WeedSOFT 2						0	98	99	99	80	87	99
15	Glyphosate (Buccaneer +)	3	1	qt/a	7 EPP	B							
15	2,4-D Ester	4	1	pt/a	7 EPP	B							
15	AMS		17	lb/100 gal	7 EPP	B							
15	Glyphosate (Buccaneer +)	3	1	qt/a	MPOS	D							
15	AMS		17	lb/100 gal	MPOS	D							
16	Define SC	4	15	fl oz/a	PRE	C	0	86	99	99	99	99	99
16	Sencor 75 DF	75	0.4	lb/a	PRE	C							
16	Extreme	2.17	3	pt/a	PRE	C							
16	Activator 90		0.25	% v/v	PRE	C							
16	AMS		17	lb/100 gal	PRE	C							
17	Roundup WeatherMAX	4.5	22	fl oz/a	14 EPP	A	0	99	99	99	77	72	98
17	2,4-D Ester	4	1	pt/a	14 EPP	A							
17	AMS		17	lb/100 gal	14 EPP	A							
17	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D							
17	AMS		17	lb/100 gal	MPOS	D							
18	Roundup OriginalMAX	4.5	22	fl oz/a	14 EPP	A	0	99	99	99	70	67	97
18	2,4-D Ester	4	1	pt/a	14 EPP	A							
18	AMS		17	lb/100 gal	14 EPP	A							
18	Roundup OriginalMAX	4.5	22	fl oz/a	MPOS	D							
18	AMS		17	lb/100 gal	MPOS	D							
19	Sencor 75 DF	75	0.33	lb/a	14 EPP	A	0	76	95	99	99	98	99
19	Linex	4	1.25	pt/a	14 EPP	A							
19	Define SC	4	16	fl oz/a	14 EPP	A							
19	2,4-D Ester	4	1	pt/a	14 EPP	A							
19	Crop Oil Concentrate		1	qt/a	14 EPP	A							

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Weed Code	TAROF	ERIST	LACSE	ANGR	CHEAL	ANGR
Crop Code	GLXMA					
Rating Data Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	6/14/2006	6/14/2006	6/14/2006	6/14/2006	6/14/2006	7/5/2006
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	72 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code							
20	Weed-Free						0	99	99	99	99	99	
20	Roundup WeatherMAX	4.5	22	fl oz/a	7 EPP	B							
20	2,4-D Ester	4	1	pt/a	7 EPP	B							
20	AMS		17	lb/100 gal	7 EPP	B							
20	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D							
20	AMS		17	lb/100 gal	MPOS	D							
20	Roundup WeatherMAX	4.5	22	fl oz/a	LPOST	F							
20	AMS		17	lb/100 gal	LPOST	F							
LSD (P=.05)							0.0	13.8	7.3	6.0	19.0	14.7	4.7
Standard Deviation							0.0	10.9	5.8	4.8	15.0	11.6	3.7
CV							0.0	12.47	6.36	5.1	17.58	13.84	4.04

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Weed Code	CHEAL		
Crop Code		GLXMA	GLXMA
Rating Data Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Rating Date	7/5/2006	10/6/2006	10/6/2006
Trt-Eval Interval	72 DA-A	165 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
1	Extreme	2.17	3	pt/a	14 EPP	A	99	15.0	77.3
1	2,4-D Ester	4	1	pt/a	14 EPP	A			
1	Activator 90		0.25	% v/v	14 EPP	A			
1	AMS		2.5	lb/a	14 EPP	A			
1	Roundup OriginalMAX	4.5	22	fl oz/a	POST	E			
1	Activator 90		0.25	% v/v	POST	E			
1	AMS		2.5	lb/a	POST	E			
2	Sencor 75 DF	75	0.5	lb/a	14 EPP	A	99	14.8	75.7
2	2,4-D Ester	4	1	pt/a	14 EPP	A			
2	Crop Oil Concentrate		1	qt/a	14 EPP	A			
2	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D			
2	AMS		17	lb/100 gal	MPOS	D			
3	Python	80	0.8	oz/a	PRE	C	99	14.5	74.2
3	Durango	4	1.5	pt/a	PRE	C			
3	AMS		1.5	% w/w	PRE	C			
3	Durango	4	1.5	pt/a	LPOS	F			
3	AMS		1.5	% w/w	LPOS	F			
4	Canopy	75	2.25	oz/a	14 EPP	A	99	14.2	72.4
4	2,4-D Ester	4	1	pt/a	14 EPP	A			
4	Crop Oil Concentrate		1	% v/v	14 EPP	A			
4	Roundup OriginalMAX	4.5	22	fl oz/a	POST	E			
4	AMS		17	lb/100 gal	POST	E			
5	Roundup WeatherMAX	4.5	22	fl oz/a	14 EPP	A	99	14.6	72.0
5	2,4-D Ester	4	1	pt/a	14 EPP	A			
5	AMS		17	lb/100 gal	14 EPP	A			
5	Roundup WeatherMAX	4.5	22	fl oz/a	POST	E			
5	AMS		17	lb/100 gal	POST	E			
6	Boundary	6.5	3	pt/a	14 EPP	A	99	14.9	74.1
6	Gramoxone Inteon	2	2.5	pt/a	14 EPP	A			
6	Crop Oil Concentrate		1	% v/v	14 EPP	A			
6	Touchdown Total	4.17	24	fl oz/a	LPOS	F			
6	AMS		8.5	lb/100 gal	LPOS	F			
7	Gangster (3.6 oz/A)						99	14.1	68.8
7	Valor	51	3	oz/a	PRE	C			
7	FirstRate	84	0.6	oz/a	PRE	C			
7	Pendimax	3.3	2	pt/a	PRE	C			
7	Roundup OriginalMAX	4.5	22	fl oz/a	PRE	C			
7	AMS		17	lb/100 gal	PRE	C			
8	Untreated						0	15.9	45.0
9	WeedSOFT 1						96	14.9	70.1
9	Glyphosate (Buccaneer +)	3	1	qt/a	7 EPP	B			
9	2,4-D Ester	4	1	pt/a	7 EPP	B			
9	AMS		17	lb/100 gal	7 EPP	B			
9	Basagran	4	2	pt/a	MPOS	D			
9	ASSURE II	0.88	10	fl oz/a	MPOS	D			
9	Cobra	2	8	fl oz/a	MPOS	D			
9	Crop Oil Concentrate		0.5	qt/a	MPOS	D			
10	Sequence	5.25	3.5	pt/a	PRE	C	99	14.6	72.1
10	AMS		8.5	lb/100 gal	PRE	C			
10	Touchdown Total	4.17	24	fl oz/a	LPOS	F			
10	AMS		8.5	lb/100 gal	LPOS	F			

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Crop Code		GLXMA	GLXMA
Rating Data Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Rating Date	7/5/2006	10/6/2006	10/6/2006
Trt-Eval Interval	72 DA-A	165 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
11	IntRRo	4	2	qt/a	PRE	C	99	14.3	69.7
11	Roundup WeatherMAX	4.5	22	fl oz/a	PRE	C			
11	AMS		17	lb/100 gal	PRE	C			
11	Roundup WeatherMAX	4.5	22	fl oz/a	POST	E			
11	AMS		17	lb/100 gal	POST	E			
12	Linex	4	1	pt/a	14 EPP	A	98	14.5	73.7
12	2,4-D Ester	4	1	pt/a	14 EPP	A			
12	Crop Oil Concentrate		1	% v/v	14 EPP	A			
12	Roundup OriginalMAX	4.5	22	fl oz/a	MPOS	D			
12	AMS		17	lb/100 gal	MPOS	D			
13	Sencor 75 DF	75	0.5	lb/a	7 EPP	B	99	14.5	73.8
13	Extreme	2.17	3	pt/a	7 EPP	B			
13	Activator 90		0.25	% v/v	7 EPP	B			
13	AMS		17	lb/100 gal	7 EPP	B			
13	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D			
13	AMS		17	lb/100 gal	MPOS	D			
14	Extreme	2.17	3	pt/a	7 EPP	B	98	14.2	71.5
14	2,4-D Ester	4	1	pt/a	7 EPP	B			
14	Prowl H2O	3.8	2	pt/a	7 EPP	B			
14	Activator 90		0.25	% v/v	7 EPP	B			
14	AMS		2.5	lb/a	7 EPP	B			
15	WeedSOFT 2						99	14.1	73.3
15	Glyphosate (Buccaneer +)	3	1	qt/a	7 EPP	B			
15	2,4-D Ester	4	1	pt/a	7 EPP	B			
15	AMS		17	lb/100 gal	7 EPP	B			
15	Glyphosate (Buccaneer +)	3	1	qt/a	MPOS	D			
15	AMS		17	lb/100 gal	MPOS	D			
16	Define SC	4	15	fl oz/a	PRE	C	99	14.2	74.7
16	Sencor 75 DF	75	0.4	lb/a	PRE	C			
16	Extreme	2.17	3	pt/a	PRE	C			
16	Activator 90		0.25	% v/v	PRE	C			
16	AMS		17	lb/100 gal	PRE	C			
17	Roundup WeatherMAX	4.5	22	fl oz/a	14 EPP	A	99	14.5	76.2
17	2,4-D Ester	4	1	pt/a	14 EPP	A			
17	AMS		17	lb/100 gal	14 EPP	A			
17	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D			
17	AMS		17	lb/100 gal	MPOS	D			
18	Roundup OriginalMAX	4.5	22	fl oz/a	14 EPP	A	99	14.3	73.5
18	2,4-D Ester	4	1	pt/a	14 EPP	A			
18	AMS		17	lb/100 gal	14 EPP	A			
18	Roundup OriginalMAX	4.5	22	fl oz/a	MPOS	D			
18	AMS		17	lb/100 gal	MPOS	D			
19	Sencor 75 DF	75	0.33	lb/a	14 EPP	A	99	14.1	72.8
19	Linex	4	1.25	pt/a	14 EPP	A			
19	Define SC	4	16	fl oz/a	14 EPP	A			
19	2,4-D Ester	4	1	pt/a	14 EPP	A			
19	Crop Oil Concentrate		1	qt/a	14 EPP	A			

MSU Weed Science Research Program

Comparison of Commercial Herbicide Programs in No-Till Soybean 2006

Trial ID: NTS01-06
 Conducted: T-16N

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL		
Crop Code		GLXMA	GLXMA
Rating Data Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Rating Date	7/5/2006	10/6/2006	10/6/2006
Trt-Eval Interval	72 DA-A	165 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
20	Weed-Free						99	14.2	77.5
20	Roundup WeatherMAX	4.5	22	fl oz/a	7 EPP	B			
20	2,4-D Ester	4	1	pt/a	7 EPP	B			
20	AMS		17	lb/100 gal	7 EPP	B			
20	Roundup WeatherMAX	4.5	22	fl oz/a	MPOS	D			
20	AMS		17	lb/100 gal	MPOS	D			
20	Roundup WeatherMAX	4.5	22	fl oz/a	LPOST	F			
20	AMS		17	lb/100 gal	LPOST	F			

LSD (P=.05)	1.3	0.55	4.69
Standard Deviation	1.1	0.44	3.71
CV	1.13	3.01	5.15