

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07 Study Dir.: Sprague, Powell, Armstrong
 Conducted: Shiawassee County Investigator: Christy Sprague

Date Planted: Row Spacing: 15 IN
 Variety: No. of Reps: 4
 Population: % OM: 2.3
 Soil Type: Sandy Loam pH: 7.2
 Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Corn Stalks- Chopped, No-till

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	STEME	CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
2.	MELAL	COCKLE, WHITE	MELANDRIUM ALBUM (MILL.) GARCKE
3.	ERIST	FLEABANE, ROUGH	ERIGERON STRIGOSUS MUHL.
4.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
5.	ERICA	HORSEWEED	ERIGERON CANADENSIS L.
6.	AMARE	PIGWEEED, REDROOT	AMARANTHUS RETROFLEXUS L.
7.	AMBEL	RAGWEED, COMMON	AMBROSIA ELATIOR L.
8.	ANGR	mainly foxtail species	SETARIA SP.
9.	SOLPT	NIGHTSHADE, EASTERN BLACK	SOLANUM PTYCANTHUM DUNAL
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B	C	D
Application Timing:	7D EPP	MPOST	POST	LPOST
Date Treated:	4/24/07	6/13/07	6/25/07	7/3/07
Time Treated:	4-6:00 pm	12:30 pm	11:00 am	11:00 am
% Cloud Cover:	50	10	5	95
Air Temp., Unit:	69 F	85 F	86 F	70 F
% Relative Humidity:	32	31	50	87
Wind Speed/Unit/Dir:	3 mph N	4 mph NE	2 mph SW	6 mph SW
Soil Temp., Unit:	75 F	81 F	73 F	66 F
Soil/Leaf Surface M:	5 5	5 5	5 5	5 5
Soil Moist (1=w 5=d):	4	5	5	4

Crop Stage at Each Application

	A	B	C	D
Crop Name:	GLXMA	GLXMA	GLXMA	GLXMA
Height (In.):	-	5-7"	9-11"	12-14"
Stage (L):	-	V1-V2	V5	R1

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Weed Stage at Each Application

	A	B	C	D
Weed 1 Name:	STEME	STEME	STEME	STEME
Height (In.):	5" dia	6" dia	4-8" dia	-
Stage (L):	flowe	flower	flower	-
Weed 2 Name:	MELAL	MELAL	MELAL	MELAL
Height (In.):	3"	-	-	-
Stage (L):	rosette	-	-	-
Weed 3 Name:	ERIST	ERIST	ERIST	ERIST
Height (In.):	2" dia	-	-	-
Stage (L):	rosette	-	-	-
Weed 4 Name:	CHEAL	CHEAL	CHEAL	CHEAL
Height (In.):	1/4"	2-8"	1-6"	1-18"
Stage (L):	coty	4-many	4-many	6-many
Weed 5 Name:	ERICA	ERICA	ERICA	ERICA
Height (In.):	2-3" dia	7-12"	6-24"	8-24"
Stage (L):	rosette	many	many	many
Weed 6 Name:	AMARE	AMARE	AMARE	AMARE
Height (In.):	-	1-12"	1/2-12"	2-11"
Stage (L):	-	2-10	2-12	4-many
Weed 7 Name:	AMBEL	AMBEL	AMBEL	AMBEL
Height (In.):	-	1/2-3"	1-3.5"	-
Stage (L):	-	2-many	2-8	-
Weed 8 Name:	ANGR	ANGR	ANGR	ANGR
Height (In.):	-	1/2-7"	1-8"	6-12"
Stage (L):	-	1-3	2-4	3-5
Weed 9 Name:	SOLPT	SOLPT	SOLPT	SOLPT
Height (In.):	-	1/2-2"	3/4-5"	2-8"
Stage (L):	-	2-4	2-8	6-many

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	22"	20	100	19	water	27
B	Cub	3.8	AirMix	11003	27"	20	100	19	water	27
C	Cub	3.8	AirMix	11003	26"	20	100	19	water	27
D	Cub	3.8	AirMix	11003	27"	20	100	19	water	27

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Weed Code	CHEAL	AMBEL	ANGR	SOLPT	ERICA	STEME	POLPE
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
1	2,4-D Ester	4	L	1	pt/a	7	EPP A						
1	AMS		WG	17	lb/100 gal	7	EPP A						
2	Canopy	75	WG	3	oz/a	7	EPP A						
2	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
2	2,4-D Ester	4	L	1	pt/a	7	EPP A						
2	AMS		WG	17	lb/100 gal	7	EPP A						
3	Boundary	6.5	EC	1.75	pt/a	7	EPP A						
3	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
3	2,4-D Ester	4	L	1	pt/a	7	EPP A						
3	AMS		WG	17	lb/100 gal	7	EPP A						
4	Valor	51	WG	2.5	oz/a	7	EPP A						
4	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
4	2,4-D Ester	4	L	1	pt/a	7	EPP A						
4	AMS		WG	17	lb/100 gal	7	EPP A						
5	Untreated												
6	Extreme	2.17	L	3	pt/a	7	EPP A						
6	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7	EPP A						
6	2,4-D Ester	4	L	1	pt/a	7	EPP A						
6	Activator 90 NIS		L	0.25	% v/v	7	EPP A						
6	AMS		WG	17	lb/100 gal	7	EPP A						
7	Prowl H2O	3.8	L	2	pt/a	7	EPP A						
7	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
7	2,4-D Ester	4	L	1	pt/a	7	EPP A						
7	AMS		WG	17	lb/100 gal	7	EPP A						
8	Linex	4	L	1	pt/a	7	EPP A						
8	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
8	2,4-D Ester	4	L	1	pt/a	7	EPP A						
8	AMS		WG	17	lb/100 gal	7	EPP A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A	0	0	0	0	0	0
9	2,4-D Ester	4	L	1	pt/a	7	EPP A						
9	AMS		WG	17	lb/100 gal	7	EPP A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
9	AMS		WG	17	lb/100 gal		MPOS B						
10	Canopy	75	WG	3	oz/a	7	EPP A	99	99	96	99	99	99
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
10	2,4-D Ester	4	L	1	pt/a	7	EPP A						
10	AMS		WG	17	lb/100 gal	7	EPP A						
10	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
10	AMS		WG	17	lb/100 gal		MPOS B						
11	Boundary	6.5	EC	1.75	pt/a	7	EPP A	85	98	94	98	99	99
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
11	2,4-D Ester	4	L	1	pt/a	7	EPP A						
11	AMS		WG	17	lb/100 gal	7	EPP A						
11	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
11	AMS		WG	17	lb/100 gal		MPOS B						

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Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
12	Valor	51	WG	2.5	oz/a	7 EPP	A	94	99	99	99	99	97	99
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
12	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
12	AMS		WG	17	lb/100 gal	7 EPP	A							
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B							
12	AMS		WG	17	lb/100 gal	MPOS	B							
13	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B	0	0	0	0	0	0	0
13	AMS		WG	17	lb/100 gal	MPOS	B							
14	Extreme	2.17	L	3	pt/a	7 EPP	A	99	99	97	99	99	99	99
14	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A							
14	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
14	Activator 90 NIS		L	0.25	% v/v	7 EPP	A							
14	AMS		WG	17	lb/100 gal	7 EPP	A							
14	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B							
14	AMS		WG	17	lb/100 gal	MPOS	B							
15	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	95	98	99	99	99	99	99
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
15	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
15	AMS		WG	17	lb/100 gal	7 EPP	A							
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B							
15	AMS		WG	17	lb/100 gal	MPOS	B							
16	Linex	4	L	1	pt/a	7 EPP	A	58	92	87	97	99	92	99
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
16	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
16	AMS		WG	17	lb/100 gal	7 EPP	A							
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B							
16	AMS		WG	17	lb/100 gal	MPOS	B							
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
17	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
17	AMS		WG	17	lb/100 gal	7 EPP	A							
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
17	AMS		WG	17	lb/100 gal	POST	C							
18	Canopy	75	WG	3	oz/a	7 EPP	A							
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
18	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
18	AMS		WG	17	lb/100 gal	7 EPP	A							
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
18	AMS		WG	17	lb/100 gal	POST	C							
19	Boundary	6.5	EC	1.75	pt/a	7 EPP	A							
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
19	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
19	AMS		WG	17	lb/100 gal	7 EPP	A							
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
19	AMS		WG	17	lb/100 gal	POST	C							
20	Valor	51	WG	2.5	oz/a	7 EPP	A							
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
20	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
20	AMS		WG	17	lb/100 gal	7 EPP	A							
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
20	AMS		WG	17	lb/100 gal	POST	C							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
21	AMS		WG	17	lb/100 gal	POST	C							

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Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code
22	Extreme	2.17	L	3	pt/a	7 EPP	A
22	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A
22	2,4-D Ester	4	L	1	pt/a	7 EPP	A
22	Activator 90 NIS		L	0.25	% v/v	7 EPP	A
22	AMS		WG	17	lb/100 gal	7 EPP	A
22	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
22	AMS		WG	17	lb/100 gal	POST	C
23	Prowl H2O	3.8	L	2	pt/a	7 EPP	A
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
23	2,4-D Ester	4	L	1	pt/a	7 EPP	A
23	AMS		WG	17	lb/100 gal	7 EPP	A
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
23	AMS		WG	17	lb/100 gal	POST	C
24	Linex	4	L	1	pt/a	7 EPP	A
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
24	2,4-D Ester	4	L	1	pt/a	7 EPP	A
24	AMS		WG	17	lb/100 gal	7 EPP	A
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
24	AMS		WG	17	lb/100 gal	POST	C
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
25	2,4-D Ester	4	L	1	pt/a	7 EPP	A
25	AMS		WG	17	lb/100 gal	7 EPP	A
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
25	AMS		WG	17	lb/100 gal	LPOS	D
26	Canopy	75	WG	3	oz/a	7 EPP	A
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
26	2,4-D Ester	4	L	1	pt/a	7 EPP	A
26	AMS		WG	17	lb/100 gal	7 EPP	A
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
26	AMS		WG	17	lb/100 gal	LPOS	D
27	Boundary	6.5	EC	1.75	pt/a	7 EPP	A
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
27	2,4-D Ester	4	L	1	pt/a	7 EPP	A
27	AMS		WG	17	lb/100 gal	7 EPP	A
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
27	AMS		WG	17	lb/100 gal	LPOS	D
28	Valor	51	WG	2.5	oz/a	7 EPP	A
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
28	2,4-D Ester	4	L	1	pt/a	7 EPP	A
28	AMS		WG	17	lb/100 gal	7 EPP	A
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
28	AMS		WG	17	lb/100 gal	LPOS	D
29	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
29	AMS		WG	17	lb/100 gal	LPOS	D
30	Extreme	2.17	L	3	pt/a	7 EPP	A
30	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A
30	2,4-D Ester	4	L	1	pt/a	7 EPP	A
30	Activator 90 NIS		L	0.25	% v/v	7 EPP	A
30	AMS		WG	17	lb/100 gal	7 EPP	A
30	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
30	AMS		WG	17	lb/100 gal	LPOS	D

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Crop Code							
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Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code
31	Prowl H2O	3.8	L	2	pt/a	7 EPP	A
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
31	2,4-D Ester	4	L	1	pt/a	7 EPP	A
31	AMS		WG	17	lb/100 gal	7 EPP	A
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
31	AMS		WG	17	lb/100 gal	LPOS	D
32	Linex	4	L	1	pt/a	7 EPP	A
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
32	2,4-D Ester	4	L	1	pt/a	7 EPP	A
32	AMS		WG	17	lb/100 gal	7 EPP	A
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
32	AMS		WG	17	lb/100 gal	LPOS	D
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
33	2,4-D Ester	4	L	1	pt/a	7 EPP	A
33	AMS		WG	17	lb/100 gal	7 EPP	A
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
33	AMS		WG	17	lb/100 gal	MPOS	B
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
33	AMS		WG	17	lb/100 gal	LPOS	D
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
34	AMS		WG	17	lb/100 gal	MPOS	B
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
34	AMS		WG	17	lb/100 gal	POST	C
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
35	AMS		WG	17	lb/100 gal	MPOS	B
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
35	AMS		WG	17	lb/100 gal	LPOS	D
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
36	AMS		WG	17	lb/100 gal	POST	C
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
36	AMS		WG	17	lb/100 gal	LPOS	D

LSD (P=.05)	13.8	7.7	7.1	2.6	0.0	6.5	0.0
Standard Deviation	9.4	5.2	4.9	1.8	0.0	4.4	0.0
CV	14.19	7.13	6.8	2.4	0.0	6.08	0.0

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Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
1	2,4-D Ester	4	L	1	pt/a	7 EPP	A
1	AMS		WG	17	lb/100 gal	7 EPP	A
2	Canopy	75	WG	3	oz/a	7 EPP	A
2	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
2	2,4-D Ester	4	L	1	pt/a	7 EPP	A
2	AMS		WG	17	lb/100 gal	7 EPP	A
3	Boundary	6.5	EC	1.75	pt/a	7 EPP	A
3	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
3	2,4-D Ester	4	L	1	pt/a	7 EPP	A
3	AMS		WG	17	lb/100 gal	7 EPP	A
4	Valor	51	WG	2.5	oz/a	7 EPP	A
4	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
4	2,4-D Ester	4	L	1	pt/a	7 EPP	A
4	AMS		WG	17	lb/100 gal	7 EPP	A
5	Untreated						
6	Extreme	2.17	L	3	pt/a	7 EPP	A
6	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A
6	2,4-D Ester	4	L	1	pt/a	7 EPP	A
6	Activator 90 NIS		L	0.25	% v/v	7 EPP	A
6	AMS		WG	17	lb/100 gal	7 EPP	A
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A
7	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
7	2,4-D Ester	4	L	1	pt/a	7 EPP	A
7	AMS		WG	17	lb/100 gal	7 EPP	A
8	Linex	4	L	1	pt/a	7 EPP	A
8	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
8	2,4-D Ester	4	L	1	pt/a	7 EPP	A
8	AMS		WG	17	lb/100 gal	7 EPP	A
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
9	2,4-D Ester	4	L	1	pt/a	7 EPP	A
9	AMS		WG	17	lb/100 gal	7 EPP	A
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
9	AMS		WG	17	lb/100 gal	MPOS	B
10	Canopy	75	WG	3	oz/a	7 EPP	A
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
10	2,4-D Ester	4	L	1	pt/a	7 EPP	A
10	AMS		WG	17	lb/100 gal	7 EPP	A
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
10	AMS		WG	17	lb/100 gal	MPOS	B
11	Boundary	6.5	EC	1.75	pt/a	7 EPP	A
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
11	2,4-D Ester	4	L	1	pt/a	7 EPP	A
11	AMS		WG	17	lb/100 gal	7 EPP	A
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
11	AMS		WG	17	lb/100 gal	MPOS	B

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMARE	AMBEL	ANGR	SOLPT	ERICA	STEME
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
12	Valor	51	WG	2.5	oz/a	7	EPP A							
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
12	2,4-D Ester	4	L	1	pt/a	7	EPP A							
12	AMS		WG	17	lb/100 gal	7	EPP A							
12	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B							
12	AMS		WG	17	lb/100 gal		MPOS B							
13	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B							
13	AMS		WG	17	lb/100 gal		MPOS B							
14	Extreme	2.17	L	3	pt/a	7	EPP A							
14	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7	EPP A							
14	2,4-D Ester	4	L	1	pt/a	7	EPP A							
14	Activator 90 NIS		L	0.25	% v/v	7	EPP A							
14	AMS		WG	17	lb/100 gal	7	EPP A							
14	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B							
14	AMS		WG	17	lb/100 gal		MPOS B							
15	Prowl H2O	3.8	L	2	pt/a	7	EPP A							
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
15	2,4-D Ester	4	L	1	pt/a	7	EPP A							
15	AMS		WG	17	lb/100 gal	7	EPP A							
15	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B							
15	AMS		WG	17	lb/100 gal		MPOS B							
16	Linex	4	L	1	pt/a	7	EPP A							
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
16	2,4-D Ester	4	L	1	pt/a	7	EPP A							
16	AMS		WG	17	lb/100 gal	7	EPP A							
16	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B							
16	AMS		WG	17	lb/100 gal		MPOS B							
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A	23	35	65	55	33	74	74
17	2,4-D Ester	4	L	1	pt/a	7	EPP A							
17	AMS		WG	17	lb/100 gal	7	EPP A							
17	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C							
17	AMS		WG	17	lb/100 gal		POST C							
18	Canopy	75	WG	3	oz/a	7	EPP A	99	98	96	99	43	99	99
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
18	2,4-D Ester	4	L	1	pt/a	7	EPP A							
18	AMS		WG	17	lb/100 gal	7	EPP A							
18	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C							
18	AMS		WG	17	lb/100 gal		POST C							
19	Boundary	6.5	EC	1.75	pt/a	7	EPP A	38	33	99	99	94	99	99
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
19	2,4-D Ester	4	L	1	pt/a	7	EPP A							
19	AMS		WG	17	lb/100 gal	7	EPP A							
19	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C							
19	AMS		WG	17	lb/100 gal		POST C							
20	Valor	51	WG	2.5	oz/a	7	EPP A	83	77	99	94	99	99	99
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A							
20	2,4-D Ester	4	L	1	pt/a	7	EPP A							
20	AMS		WG	17	lb/100 gal	7	EPP A							
20	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C							
20	AMS		WG	17	lb/100 gal		POST C							
21	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C	0	0	0	0	0	0	0
21	AMS		WG	17	lb/100 gal		POST C							

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMARE	AMBEL	ANGR	SOLPT	ERICA	STEME
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	CHEAL	AMARE	AMBEL	ANGR	SOLPT	ERICA	STEME
22	Extreme	2.17	L	3	pt/a	7 EPP	A	98	71	89	75	99	99	99
22	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A							
22	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
22	Activator 90 NIS		L	0.25	% v/v	7 EPP	A							
22	AMS		WG	17	lb/100 gal	7 EPP	A							
22	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
22	AMS		WG	17	lb/100 gal	POST	C							
23	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	45	44	87	99	89	99	99
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
23	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
23	AMS		WG	17	lb/100 gal	7 EPP	A							
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
23	AMS		WG	17	lb/100 gal	POST	C							
24	Linex	4	L	1	pt/a	7 EPP	A	14	14	14	14	14	14	14
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
24	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
24	AMS		WG	17	lb/100 gal	7 EPP	A							
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
24	AMS		WG	17	lb/100 gal	POST	C							
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
25	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
25	AMS		WG	17	lb/100 gal	7 EPP	A							
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
25	AMS		WG	17	lb/100 gal	LPOS	D							
26	Canopy	75	WG	3	oz/a	7 EPP	A							
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
26	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
26	AMS		WG	17	lb/100 gal	7 EPP	A							
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
26	AMS		WG	17	lb/100 gal	LPOS	D							
27	Boundary	6.5	EC	1.75	pt/a	7 EPP	A							
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
27	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
27	AMS		WG	17	lb/100 gal	7 EPP	A							
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
27	AMS		WG	17	lb/100 gal	LPOS	D							
28	Valor	51	WG	2.5	oz/a	7 EPP	A							
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
28	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
28	AMS		WG	17	lb/100 gal	7 EPP	A							
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
28	AMS		WG	17	lb/100 gal	LPOS	D							
29	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
29	AMS		WG	17	lb/100 gal	LPOS	D							
30	Extreme	2.17	L	3	pt/a	7 EPP	A							
30	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A							
30	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
30	Activator 90 NIS		L	0.25	% v/v	7 EPP	A							
30	AMS		WG	17	lb/100 gal	7 EPP	A							
30	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
30	AMS		WG	17	lb/100 gal	LPOS	D							

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMARE	AMBEL	ANGR	SOLPT	ERICA	STEME
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07	6/25/07
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A	62 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code
31	Prowl H2O	3.8	L	2	pt/a	7 EPP	A
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
31	2,4-D Ester	4	L	1	pt/a	7 EPP	A
31	AMS		WG	17	lb/100 gal	7 EPP	A
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
31	AMS		WG	17	lb/100 gal	LPOS	D
32	Linex	4	L	1	pt/a	7 EPP	A
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
32	2,4-D Ester	4	L	1	pt/a	7 EPP	A
32	AMS		WG	17	lb/100 gal	7 EPP	A
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
32	AMS		WG	17	lb/100 gal	LPOS	D
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A
33	2,4-D Ester	4	L	1	pt/a	7 EPP	A
33	AMS		WG	17	lb/100 gal	7 EPP	A
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
33	AMS		WG	17	lb/100 gal	MPOS	B
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
33	AMS		WG	17	lb/100 gal	LPOS	D
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
34	AMS		WG	17	lb/100 gal	MPOS	B
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
34	AMS		WG	17	lb/100 gal	POST	C
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B
35	AMS		WG	17	lb/100 gal	MPOS	B
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
35	AMS		WG	17	lb/100 gal	LPOS	D
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C
36	AMS		WG	17	lb/100 gal	POST	C
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D
36	AMS		WG	17	lb/100 gal	LPOS	D

LSD (P=.05)	29.2	40.7	31.1	31.9	26.9	26.5	26.5
Standard Deviation	19.9	27.7	21.2	21.7	18.3	18.0	18.0
CV	39.81	59.72	30.91	32.47	31.1	24.73	24.73

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		POLPY		ANGR		CHEAL		AMARE		SOLPT		ANGR	
Crop Code		GLXMA											
Rating Data Type		control		injury		control		control		control		control	
Rating Unit		percent		percent		percent		percent		percent		percent	
Rating Date		6/25/07		7/3/07		7/3/07		7/3/07		7/3/07		8/8/07	
Trt-Eval Interval		62 DA-A		70 DA-A		70 DA-A		70 DA-A		70 DA-A		106 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code						
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						66.0
1	2,4-D Ester	4	L	1	pt/a	7	EPP A						
1	AMS		WG	17	lb/100 gal	7	EPP A						
2	Canopy	75	WG	3	oz/a	7	EPP A						96.8
2	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
2	2,4-D Ester	4	L	1	pt/a	7	EPP A						
2	AMS		WG	17	lb/100 gal	7	EPP A						
3	Boundary	6.5	EC	1.75	pt/a	7	EPP A						89.8
3	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
3	2,4-D Ester	4	L	1	pt/a	7	EPP A						
3	AMS		WG	17	lb/100 gal	7	EPP A						
4	Valor	51	WG	2.5	oz/a	7	EPP A						62.3
4	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
4	2,4-D Ester	4	L	1	pt/a	7	EPP A						
4	AMS		WG	17	lb/100 gal	7	EPP A						
5	Untreated												0.0
6	Extreme	2.17	L	3	pt/a	7	EPP A						89.5
6	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7	EPP A						
6	2,4-D Ester	4	L	1	pt/a	7	EPP A						
6	Activator 90 NIS		L	0.25	% v/v	7	EPP A						
6	AMS		WG	17	lb/100 gal	7	EPP A						
7	Prowl H2O	3.8	L	2	pt/a	7	EPP A						99.0
7	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
7	2,4-D Ester	4	L	1	pt/a	7	EPP A						
7	AMS		WG	17	lb/100 gal	7	EPP A						
8	Linex	4	L	1	pt/a	7	EPP A						70.8
8	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
8	2,4-D Ester	4	L	1	pt/a	7	EPP A						
8	AMS		WG	17	lb/100 gal	7	EPP A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						99.0
9	2,4-D Ester	4	L	1	pt/a	7	EPP A						
9	AMS		WG	17	lb/100 gal	7	EPP A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
9	AMS		WG	17	lb/100 gal		MPOS B						
10	Canopy	75	WG	3	oz/a	7	EPP A						99.0
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
10	2,4-D Ester	4	L	1	pt/a	7	EPP A						
10	AMS		WG	17	lb/100 gal	7	EPP A						
10	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
10	AMS		WG	17	lb/100 gal		MPOS B						
11	Boundary	6.5	EC	1.75	pt/a	7	EPP A						99.0
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A						
11	2,4-D Ester	4	L	1	pt/a	7	EPP A						
11	AMS		WG	17	lb/100 gal	7	EPP A						
11	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B						
11	AMS		WG	17	lb/100 gal		MPOS B						

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	POLPY	ANGR	CHEAL	AMARE	SOLPT	ANGR
Crop Code	GLXMA					
Rating Data Type	control	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	6/25/07	7/3/07	7/3/07	7/3/07	7/3/07	8/8/07
Trt-Eval Interval	62 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	106 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code		
12	Valor	51	WG	2.5	oz/a	7	EPP A		99.0
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
12	2,4-D Ester	4	L	1	pt/a	7	EPP A		
12	AMS		WG	17	lb/100 gal	7	EPP A		
12	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B		
12	AMS		WG	17	lb/100 gal		MPOS B		
13	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B		98.5
13	AMS		WG	17	lb/100 gal		MPOS B		
14	Extreme	2.17	L	3	pt/a	7	EPP A		99.0
14	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7	EPP A		
14	2,4-D Ester	4	L	1	pt/a	7	EPP A		
14	Activator 90 NIS		L	0.25	% v/v	7	EPP A		
14	AMS		WG	17	lb/100 gal	7	EPP A		
14	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B		
14	AMS		WG	17	lb/100 gal		MPOS B		
15	Prowl H2O	3.8	L	2	pt/a	7	EPP A		99.0
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
15	2,4-D Ester	4	L	1	pt/a	7	EPP A		
15	AMS		WG	17	lb/100 gal	7	EPP A		
15	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B		
15	AMS		WG	17	lb/100 gal		MPOS B		
16	Linex	4	L	1	pt/a	7	EPP A		98.5
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
16	2,4-D Ester	4	L	1	pt/a	7	EPP A		
16	AMS		WG	17	lb/100 gal	7	EPP A		
16	Roundup WeatherMax	4.5	SL	22	fl oz/a		MPOS B		
16	AMS		WG	17	lb/100 gal		MPOS B		
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A	74	99.0
17	2,4-D Ester	4	L	1	pt/a	7	EPP A		
17	AMS		WG	17	lb/100 gal	7	EPP A		
17	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C		
17	AMS		WG	17	lb/100 gal		POST C		
18	Canopy	75	WG	3	oz/a	7	EPP A	99	99.0
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
18	2,4-D Ester	4	L	1	pt/a	7	EPP A		
18	AMS		WG	17	lb/100 gal	7	EPP A		
18	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C		
18	AMS		WG	17	lb/100 gal		POST C		
19	Boundary	6.5	EC	1.75	pt/a	7	EPP A	99	99.0
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
19	2,4-D Ester	4	L	1	pt/a	7	EPP A		
19	AMS		WG	17	lb/100 gal	7	EPP A		
19	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C		
19	AMS		WG	17	lb/100 gal		POST C		
20	Valor	51	WG	2.5	oz/a	7	EPP A	99	99.0
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	7	EPP A		
20	2,4-D Ester	4	L	1	pt/a	7	EPP A		
20	AMS		WG	17	lb/100 gal	7	EPP A		
20	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C		
20	AMS		WG	17	lb/100 gal		POST C		
21	Roundup WeatherMax	4.5	SL	22	fl oz/a		POST C	0	99.0
21	AMS		WG	17	lb/100 gal		POST C		

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		POLPY		ANGR		CHEAL		AMARE		SOLPT		ANGR	
Crop Code		GLXMA											
Rating Data Type		control		injury		control		control		control		control	
Rating Unit		percent		percent		percent		percent		percent		percent	
Rating Date		6/25/07		7/3/07		7/3/07		7/3/07		7/3/07		8/8/07	
Trt-Eval Interval		62 DA-A		70 DA-A		70 DA-A		70 DA-A		70 DA-A		106 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
22	Extreme	2.17	L	3	pt/a	7 EPP	A						99.0
22	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
22	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
22	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
22	AMS		WG	17	lb/100 gal	7 EPP	A						
22	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
22	AMS		WG	17	lb/100 gal	POST	C						
23	Prowl H2O	3.8	L	2	pt/a	7 EPP	A						99.0
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
23	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
23	AMS		WG	17	lb/100 gal	7 EPP	A						
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
23	AMS		WG	17	lb/100 gal	POST	C						
24	Linex	4	L	1	pt/a	7 EPP	A						99.0
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
24	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
24	AMS		WG	17	lb/100 gal	7 EPP	A						
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
24	AMS		WG	17	lb/100 gal	POST	C						
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	0	0	0	0	0	99.0
25	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
25	AMS		WG	17	lb/100 gal	7 EPP	A						
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
25	AMS		WG	17	lb/100 gal	LPOS	D						
26	Canopy	75	WG	3	oz/a	7 EPP	A	19	96	99	99	58	99.0
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
26	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
26	AMS		WG	17	lb/100 gal	7 EPP	A						
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
26	AMS		WG	17	lb/100 gal	LPOS	D						
27	Boundary	6.5	EC	1.75	pt/a	7 EPP	A	0	80	35	45	85	99.0
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
27	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
27	AMS		WG	17	lb/100 gal	7 EPP	A						
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
27	AMS		WG	17	lb/100 gal	LPOS	D						
28	Valor	51	WG	2.5	oz/a	7 EPP	A	0	82	79	85	94	99.0
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
28	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
28	AMS		WG	17	lb/100 gal	7 EPP	A						
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
28	AMS		WG	17	lb/100 gal	LPOS	D						
29	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D	0	0	0	0	0	99.0
29	AMS		WG	17	lb/100 gal	LPOS	D						
30	Extreme	2.17	L	3	pt/a	7 EPP	A	0	70	88	93	99	99.0
30	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
30	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
30	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
30	AMS		WG	17	lb/100 gal	7 EPP	A						
30	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
30	AMS		WG	17	lb/100 gal	LPOS	D						

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		POLPY		ANGR		CHEAL		AMARE		SOLPT		ANGR		
Crop Code		GLXMA												
Rating Data Type		control		injury		control		control		control		control		
Rating Unit		percent		percent		percent		percent		percent		percent		
Rating Date		6/25/07		7/3/07		7/3/07		7/3/07		7/3/07		8/8/07		
Trt-Eval Interval		62 DA-A		70 DA-A		70 DA-A		70 DA-A		70 DA-A		106 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
31	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	0	95	42	40	80	99.0	
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
31	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
31	AMS		WG	17	lb/100 gal	7 EPP	A							
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
31	AMS		WG	17	lb/100 gal	LPOS	D							
32	Linex	4	L	1	pt/a	7 EPP	A	0	62	28	18	62	99.0	
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A							
32	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
32	AMS		WG	17	lb/100 gal	7 EPP	A							
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
32	AMS		WG	17	lb/100 gal	LPOS	D							
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						99.0	
33	2,4-D Ester	4	L	1	pt/a	7 EPP	A							
33	AMS		WG	17	lb/100 gal	7 EPP	A							
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B							
33	AMS		WG	17	lb/100 gal	MPOS	B							
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
33	AMS		WG	17	lb/100 gal	LPOS	D							
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						99.0	
34	AMS		WG	17	lb/100 gal	MPOS	B							
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C							
34	AMS		WG	17	lb/100 gal	POST	C							
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						99.0	
35	AMS		WG	17	lb/100 gal	MPOS	B							
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
35	AMS		WG	17	lb/100 gal	LPOS	D							
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						99.0	
36	AMS		WG	17	lb/100 gal	POST	C							
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D							
36	AMS		WG	17	lb/100 gal	LPOS	D							
LSD (P=.05)								26.5	4.4	32.2	27.9	20.9	32.0	17.07
Standard Deviation								18.0	3.0	21.9	19.0	14.2	21.8	12.19
CV								24.73	128.81	36.23	40.95	30.04	36.55	13.12

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		CHEAL	AMARE	POLCO	ERICA	GLXMA	GLXMA						
Crop Code		control	control	control	control	moisture	yield						
Rating Data Type		percent	percent	percent	percent	percent	bu/acre						
Rating Unit		8/8/07	8/8/07	8/8/07	8/8/07	10/4/07	10/4/07						
Rating Date		106 DA-A	106 DA-A	106 DA-A	106 DA-A	163 DA-A	at 13% M						
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code						
1	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	40.0	52.5	74.3	69.8	13.3	53.9
1	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
1	AMS		WG	17	lb/100 gal	7 EPP	A						
2	Canopy	75	WG	3	oz/a	7 EPP	A	99.0	99.0	99.0	95.5	13.1	61.9
2	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
2	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
2	AMS		WG	17	lb/100 gal	7 EPP	A						
3	Boundary	6.5	EC	1.75	pt/a	7 EPP	A	60.0	69.8	99.0	91.8	13.4	57.7
3	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
3	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
3	AMS		WG	17	lb/100 gal	7 EPP	A						
4	Valor	51	WG	2.5	oz/a	7 EPP	A	87.8	86.8	99.0	79.8	13.2	55.8
4	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
4	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
4	AMS		WG	17	lb/100 gal	7 EPP	A						
5	Untreated							0.0	0.0	0.0	0.0	14.8	42.0
6	Extreme	2.17	L	3	pt/a	7 EPP	A	99.0	89.5	99.0	87.0	12.8	57.9
6	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
6	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
6	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
6	AMS		WG	17	lb/100 gal	7 EPP	A						
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	67.5	69.8	99.0	84.5	12.8	54.4
7	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
7	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
7	AMS		WG	17	lb/100 gal	7 EPP	A						
8	Linex	4	L	1	pt/a	7 EPP	A	75.0	67.0	89.3	89.5	12.7	50.5
8	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
8	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
8	AMS		WG	17	lb/100 gal	7 EPP	A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.8	57.3
9	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
9	AMS		WG	17	lb/100 gal	7 EPP	A						
9	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
9	AMS		WG	17	lb/100 gal	MPOS	B						
10	Canopy	75	WG	3	oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.7	56.1
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
10	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
10	AMS		WG	17	lb/100 gal	7 EPP	A						
10	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
10	AMS		WG	17	lb/100 gal	MPOS	B						
11	Boundary	6.5	EC	1.75	pt/a	7 EPP	A	80.8	86.8	99.0	99.0	12.9	57.2
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
11	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
11	AMS		WG	17	lb/100 gal	7 EPP	A						
11	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
11	AMS		WG	17	lb/100 gal	MPOS	B						

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMARE	POLCO	ERICA	GLXMA	GLXMA
Crop Code					moisture	yield
Rating Data Type	control	control	control	control	percent	bu/acre
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	8/8/07	8/8/07	8/8/07	8/8/07	10/4/07	10/4/07
Trt-Eval Interval	106 DA-A	106 DA-A	106 DA-A	106 DA-A	163 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	CHEAL	AMARE	POLCO	ERICA	GLXMA moisture	GLXMA yield
12	Valor	51	WG	2.5	oz/a	7 EPP	A	90.5	99.0	99.0	99.0	12.9	56.9
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
12	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
12	AMS		WG	17	lb/100 gal	7 EPP	A						
12	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
12	AMS		WG	17	lb/100 gal	MPOS	B						
13	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B	97.3	99.0	99.0	99.0	12.5	56.8
13	AMS		WG	17	lb/100 gal	MPOS	B						
14	Extreme	2.17	L	3	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.6	57.3
14	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
14	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
14	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
14	AMS		WG	17	lb/100 gal	7 EPP	A						
14	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
14	AMS		WG	17	lb/100 gal	MPOS	B						
15	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	98.5	98.5	99.0	99.0	12.6	54.3
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
15	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
15	AMS		WG	17	lb/100 gal	7 EPP	A						
15	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
15	AMS		WG	17	lb/100 gal	MPOS	B						
16	Linex	4	L	1	pt/a	7 EPP	A	98.3	99.0	99.0	99.0	12.4	62.0
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
16	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
16	AMS		WG	17	lb/100 gal	7 EPP	A						
16	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
16	AMS		WG	17	lb/100 gal	MPOS	B						
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.1	58.3
17	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
17	AMS		WG	17	lb/100 gal	7 EPP	A						
17	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
17	AMS		WG	17	lb/100 gal	POST	C						
18	Canopy	75	WG	3	oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.0	55.0
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
18	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
18	AMS		WG	17	lb/100 gal	7 EPP	A						
18	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
18	AMS		WG	17	lb/100 gal	POST	C						
19	Boundary	6.5	EC	1.75	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.3	55.5
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
19	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
19	AMS		WG	17	lb/100 gal	7 EPP	A						
19	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
19	AMS		WG	17	lb/100 gal	POST	C						
20	Valor	51	WG	2.5	oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.2	55.9
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
20	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
20	AMS		WG	17	lb/100 gal	7 EPP	A						
20	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
20	AMS		WG	17	lb/100 gal	POST	C						
21	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C	99.0	99.0	99.0	99.0	11.9	53.6
21	AMS		WG	17	lb/100 gal	POST	C						

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		CHEAL	AMARE	POLCO	ERICA	GLXMA	GLXMA						
Crop Code		control	control	control	control	moisture	yield						
Rating Data Type		percent	percent	percent	percent	percent	bu/acre						
Rating Unit		8/8/07	8/8/07	8/8/07	8/8/07	10/4/07	10/4/07						
Rating Date		106 DA-A	106 DA-A	106 DA-A	106 DA-A	163 DA-A	at 13% M						
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code						
22	Extreme	2.17	L	3	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.0	59.4
22	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
22	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
22	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
22	AMS		WG	17	lb/100 gal	7 EPP	A						
22	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
22	AMS		WG	17	lb/100 gal	POST	C						
23	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	11.9	53.3
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
23	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
23	AMS		WG	17	lb/100 gal	7 EPP	A						
23	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
23	AMS		WG	17	lb/100 gal	POST	C						
24	Linex	4	L	1	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.0	53.1
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
24	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
24	AMS		WG	17	lb/100 gal	7 EPP	A						
24	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
24	AMS		WG	17	lb/100 gal	POST	C						
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.8	55.8
25	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
25	AMS		WG	17	lb/100 gal	7 EPP	A						
25	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
25	AMS		WG	17	lb/100 gal	LPOS	D						
26	Canopy	75	WG	3	oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.9	53.8
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
26	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
26	AMS		WG	17	lb/100 gal	7 EPP	A						
26	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
26	AMS		WG	17	lb/100 gal	LPOS	D						
27	Boundary	6.5	EC	1.75	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.9	56.0
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
27	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
27	AMS		WG	17	lb/100 gal	7 EPP	A						
27	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
27	AMS		WG	17	lb/100 gal	LPOS	D						
28	Valor	51	WG	2.5	oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.9	58.7
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
28	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
28	AMS		WG	17	lb/100 gal	7 EPP	A						
28	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
28	AMS		WG	17	lb/100 gal	LPOS	D						
29	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D	99.0	99.0	99.0	99.0	12.8	52.6
29	AMS		WG	17	lb/100 gal	LPOS	D						
30	Extreme	2.17	L	3	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.6	59.1
30	Roundup WeatherMax	4.5	SL	5.5	fl oz/a	7 EPP	A						
30	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
30	Activator 90 NIS		L	0.25	% v/v	7 EPP	A						
30	AMS		WG	17	lb/100 gal	7 EPP	A						
30	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
30	AMS		WG	17	lb/100 gal	LPOS	D						

MSU Weed Science Research Program

Benefits of Residual Herbicides for Weed Control in No-Till Soybean III

Trial ID: NTS06-07

Study Dir.: Sprague, Powell, Armstrong

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code		CHEAL	AMARE	POLCO	ERICA	GLXMA	GLXMA						
Crop Code		control	control	control	control	moisture	yield						
Rating Data Type		percent	percent	percent	percent	percent	bu/acre						
Rating Unit		8/8/07	8/8/07	8/8/07	8/8/07	10/4/07	10/4/07						
Rating Date		106 DA-A	106 DA-A	106 DA-A	106 DA-A	163 DA-A	at 13% M						
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
31	Prowl H2O	3.8	L	2	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.5	55.1
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
31	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
31	AMS		WG	17	lb/100 gal	7 EPP	A						
31	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
31	AMS		WG	17	lb/100 gal	LPOS	D						
32	Linex	4	L	1	pt/a	7 EPP	A	99.0	99.0	99.0	99.0	12.3	55.2
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A						
32	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
32	AMS		WG	17	lb/100 gal	7 EPP	A						
32	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
32	AMS		WG	17	lb/100 gal	LPOS	D						
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	7 EPP	A	99.0	99.0	99.0	99.0	12.4	50.8
33	2,4-D Ester	4	L	1	pt/a	7 EPP	A						
33	AMS		WG	17	lb/100 gal	7 EPP	A						
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B						
33	AMS		WG	17	lb/100 gal	MPOS	B						
33	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
33	AMS		WG	17	lb/100 gal	LPOS	D						
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B	99.0	99.0	99.0	99.0	12.5	59.4
34	AMS		WG	17	lb/100 gal	MPOS	B						
34	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C						
34	AMS		WG	17	lb/100 gal	POST	C						
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	MPOS	B	99.0	99.0	99.0	99.0	12.9	52.3
35	AMS		WG	17	lb/100 gal	MPOS	B						
35	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
35	AMS		WG	17	lb/100 gal	LPOS	D						
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	POST	C	99.0	99.0	99.0	99.0	12.4	53.5
36	AMS		WG	17	lb/100 gal	POST	C						
36	Roundup WeatherMax	4.5	SL	22	fl oz/a	LPOS	D						
36	AMS		WG	17	lb/100 gal	LPOS	D						
LSD (P=.05)								13.53	15.90	12.45	13.57	1.08	8.41
Standard Deviation								9.66	11.36	8.90	9.69	0.77	6.00
CV								10.64	12.41	9.34	10.35	6.08	10.82