

MSU Weed Science Research Program

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

Trial ID: NTS07-06 Study Dir.: Sprague, Armstrong, Powell  
 Conducted: Shiawassee County Investigator: Christy Sprague

**Date Planted:** 6/6/2006 **Row Spacing:** 7.5 IN  
**Variety:** Pioneer 92B38 **No. of Reps:** 4  
**Population:** 210,000 seeds/acre **% OM:** 2.0  
**Soil Type:** Loam **pH:** 7.0  
**Plot Size:** 15 X 40 FT **Design:** RANDOMIZED COMPLETE BLOCK

**Tillage:** No-Till

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1.	STEME	CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
2.	CHEAL	Common lambsquarters	Chenopodium album L.
3.	TAROF	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
4.	MELAL	COCKLE, WHITE	MELANDRIUM ALBUM (MILL.) GARCKE
5.	CAPBP	SHEPHERDSPURSE	CAPSELLA BURSA-PASTORIS (L.) MEDIK.
6.	THLAR	FANWEED	THLASPI ARVENSE L.
7.	VERPG	SPEEDWELL, PURSLANE	VERONICA PEREGRINA L.
8.	ERICA	HORSEWEED	ERIGERON CANADENSIS L.
9.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA
10.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
11.	SOLPT	NIGHTSHADE, EASTERN BLACK	SOLANUM PTYCANTHUM DUNAL
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

**Application Description**

	A	B	C	D
<b>Application Timing:</b>	7EPP	M.Post	Post	L.Post
<b>Date Treated:</b>	5/4/2006	6/26/2006	7/5/2006	7/18/2006
<b>Time Treated:</b>	3:20 pm	10:00 am	12:00 pm	3:00 pm
<b>% Cloud Cover:</b>	5	50	10	20
<b>Air Temp., Unit:</b>	68 F		73 F	84 F
<b>% Relative Humidity:</b>	37		50	35
<b>Wind Speed/Unit/Dir:</b>	6 mph NW		9 mph NW	3 mph N
<b>Soil Temp., Unit:</b>	63 F		66 F	82 F
<b>Soil/Leaf Surface M:</b>	5 5	5 5	5 5	4 5
<b>Soil Moist (1=w 5=d):</b>	4	4	5	3

**Crop Stage at Each Application**

	A	B	C	D
<b>Crop Name:</b>	GLXMA	GLXMA	GLXMA	GLXMA
<b>Height (In.):</b>	-	1-6"	3-5"	12-14"
<b>Stage (L):</b>	-	uni-v2	v2	v4-v5

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**Weed Stage at Each Application**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Weed 1 Name:</b>	STEME	STEME	STEME	STEME
<b>Height (In.):</b>	10-20 dia	-	-	-
<b>Stage (L):</b>	flowering	-	-	-
<b>Weed 2 Name:</b>	CHEAL	CHEAL	CHEAL	CHEAL
<b>Height (In.):</b>	2-4	.25-7"	.5-4"	.5-7"
<b>Stage (L):</b>	coty-6	coty-many	coty-many	2-many
<b>Weed 3 Name:</b>	TAROF	TAROF	TAROF	TAROF
<b>Height (In.):</b>	8-10 dia	.5-10"	1-8"	1-11"
<b>Stage (L):</b>	flowering	2-many	2-many	2-many
<b>Weed 4 Name:</b>	MELAL	MELAL	MELAL	MELAL
<b>Height (In.):</b>	4-8	-	-	-
<b>Stage (L):</b>	bolting	-	-	-
<b>Weed 5 Name:</b>	CAPBP	CAPBP	CAPBP	CAPBP
<b>Height (In.):</b>	9-22	-	-	-
<b>Stage (L):</b>	flowering	-	-	-
<b>Weed 6 Name:</b>	THLAR	THLAR	THLAR	THLAR
<b>Height (In.):</b>	8-19	-	-	-
<b>Stage (L):</b>	flowering	-	-	-
<b>Weed 7 Name:</b>	VERPG	VERPG	VERPG	VERPG
<b>Height (In.):</b>	2-6	-	-	-
<b>Stage (L):</b>	flowering	-	-	-
<b>Weed 8 Name:</b>	ERICA	ERICA	ERICA	ERICA
<b>Height (In.):</b>	4-6	8-29	2-14	8-36
<b>Stage (L):</b>	bolting	many	many	many
<b>Weed 9 Name:</b>	AMBEL	AMBEL	AMBEL	AMBEL
<b>Height (In.):</b>		2-4	2-5	1-12
<b>Stage (L):</b>		4-many	many	4-many
<b>Weed10 Name:</b>	ABUTH	ABUTH	ABUTH	ABUTH
<b>Height (In.):</b>		.5-2	2-3	1-12
<b>Stage (L):</b>		coty-4	2-4	2-many
<b>Weed11 Name:</b>	SOLPT	SOLPT	SOLPT	SOLPT
<b>Height (In.):</b>		.5-2	1-3	2-10
<b>Stage (L):</b>		coty-4	4	4-many

**Application Equipment**

<b>Appl</b>	<b>Sprayer</b>	<b>Speed</b>	<b>Nozzle</b>	<b>Nozzle</b>	<b>Nozzle</b>	<b>Nozzle</b>	<b>Boom</b>			
	<b>Type</b>	<b>MPH</b>	<b>Type</b>	<b>Size</b>	<b>Height</b>	<b>Spacing</b>	<b>Width</b>	<b>GPA</b>	<b>Carrier</b>	<b>PSI</b>
<b>A</b>	Cub	3.8	AirMix	11003	24"	20"	180"	19	water	27
<b>B</b>	Cub	3.8	AirMix	11003	26"	20"	180"	19	water	27
<b>C</b>	Cub	3.8	AirMix	11003	26"	20"	180"	19	water	27
<b>D</b>	Cub	3.8	AirMix	11003	35"	20"	180"	19	water	27

**Comments:** Possible ALS resistant common lambsquarters.

Previous crop- Corn.

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Weed Code						TAROF	ERICA	CHEAL	AMBEL	ABUTH	TAROF	ERICA	
Crop Code													
Rating Data Type						control	control	control	control	control	control	control	
Rating Unit						percent	percent	percent	percent	percent	percent	percent	
Rating Date						6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006	7/5/2006	7/5/2006	
Trt-Eval Interval						53 DA-A	53 DA-A	53 DA-A	53 DA-A	53 DA-A	62 DA-A	62 DA-A	
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code							
1	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A	89	99	0	0	0	86	99
1	2,4-D Ester	4	1	pt/a	7 EPP	A							
1	AMS		17	lb/100 gal	7 EPP	A							
2	Canopy	75	3	oz/a	7 EPP	A	99	99	99	99	99	98	99
2	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
2	2,4-D Ester	4	1	pt/a	7 EPP	A							
2	AMS		17	lb/100 gal	7 EPP	A							
3	Boundary	6.5	1.75	pt/a	7 EPP	A	85	99	20	92	98	86	98
3	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
3	2,4-D Ester	4	1	pt/a	7 EPP	A							
3	AMS		17	lb/100 gal	7 EPP	A							
4	Untreated						0	0	0	0	0	0	0
5	Valor	51	2.5	oz/a	7 EPP	A	96	98	88	99	99	92	97
5	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
5	2,4-D Ester	4	1	pt/a	7 EPP	A							
5	AMS		17	lb/100 gal	7 EPP	A							
6	Extreme	2.17	3	pt/a	7 EPP	A	95	99	95	79	96	91	97
6	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A							
6	2,4-D Ester	4	1	pt/a	7 EPP	A							
6	Activator 90 NIS		0.25	% v/v	7 EPP	A							
6	AMS		17	lb/100 gal	7 EPP	A							
7	Prowl H2O	3.8	2	pt/a	7 EPP	A	89	97	84	48	96	84	97
7	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
7	2,4-D Ester	4	1	pt/a	7 EPP	A							
7	AMS		17	lb/100 gal	7 EPP	A							
8	Linex	4	1	pt/a	7 EPP	A	89	98	69	75	75	89	99
8	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
8	2,4-D Ester	4	1	pt/a	7 EPP	A							
8	AMS		17	lb/100 gal	7 EPP	A							
9	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
9	2,4-D Ester	4	1	pt/a	7 EPP	A							
9	AMS		17	lb/100 gal	7 EPP	A							
9	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B							
9	AMS		17	lb/100 gal	MPOS	B							
10	Canopy	75	3	oz/a	7 EPP	A							
10	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
10	2,4-D Ester	4	1	pt/a	7 EPP	A							
10	AMS		17	lb/100 gal	7 EPP	A							
10	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B							
10	AMS		17	lb/100 gal	MPOS	B							
11	Boundary	6.5	1.75	pt/a	7 EPP	A							
11	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A							
11	2,4-D Ester	4	1	pt/a	7 EPP	A							
11	AMS		17	lb/100 gal	7 EPP	A							
11	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B							
11	AMS		17	lb/100 gal	MPOS	B							
12	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B							
12	AMS		17	lb/100 gal	MPOS	B							

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Weed Code	TAROF	ERICA	CHEAL	AMBEL	ABUTH	TAROF	ERICA
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006	7/5/2006	7/5/2006
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A	53 DA-A	62 DA-A	62 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code
13	Valor	51	2.5	oz/a	7 EPP	A
13	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
13	2,4-D Ester	4	1	pt/a	7 EPP	A
13	AMS	17		lb/100 gal	7 EPP	A
13	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B
13	AMS	17		lb/100 gal	MPOS	B
14	Extreme	2.17	3	pt/a	7 EPP	A
14	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A
14	2,4-D Ester	4	1	pt/a	7 EPP	A
14	Activator 90 NIS		0.25	% v/v	7 EPP	A
14	AMS	17		lb/100 gal	7 EPP	A
14	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B
14	AMS	17		lb/100 gal	MPOS	B
15	Prowl H2O	3.8	2	pt/a	7 EPP	A
15	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
15	2,4-D Ester	4	1	pt/a	7 EPP	A
15	AMS	17		lb/100 gal	7 EPP	A
15	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B
15	AMS	17		lb/100 gal	MPOS	B
16	Linex	4	1	pt/a	7 EPP	A
16	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
16	2,4-D Ester	4	1	pt/a	7 EPP	A
16	AMS	17		lb/100 gal	7 EPP	A
16	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B
16	AMS	17		lb/100 gal	MPOS	B
17	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
17	2,4-D Ester	4	1	pt/a	7 EPP	A
17	AMS	17		lb/100 gal	7 EPP	A
17	Roundup WeatherMax	4.5	22	fl oz/a	POST	C
17	AMS	17		lb/100 gal	POST	C
18	Canopy	75	3	oz/a	7 EPP	A
18	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
18	2,4-D Ester	4	1	pt/a	7 EPP	A
18	AMS	17		lb/100 gal	7 EPP	A
18	Roundup WeatherMax	4.5	22	fl oz/a	POST	C
18	AMS	17		lb/100 gal	POST	C
19	Boundary	6.5	1.75	pt/a	7 EPP	A
19	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
19	2,4-D Ester	4	1	pt/a	7 EPP	A
19	AMS	17		lb/100 gal	7 EPP	A
19	Roundup WeatherMax	4.5	22	fl oz/a	POST	C
19	AMS	17		lb/100 gal	POST	C
20	Roundup WeatherMax	4.5	22	fl oz/a	POST	C
20	AMS	17		lb/100 gal	POST	C
21	Valor	51	2.5	oz/a	7 EPP	A
21	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A
21	2,4-D Ester	4	1	pt/a	7 EPP	A
21	AMS	17		lb/100 gal	7 EPP	A
21	Roundup WeatherMax	4.5	22	fl oz/a	POST	C
21	AMS	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	6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006	7/5/2006	7/5/2006
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A	53 DA-A	62 DA-A	62 DA-A

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

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Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006	7/5/2006	7/5/2006
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A	53 DA-A	62 DA-A	62 DA-A

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

LSD (P=.05)	8.6	1.7	8.0	7.2	4.9	7.3	3.4
Standard Deviation	5.9	1.2	5.5	4.9	3.3	5.0	2.3
CV	7.34	1.34	9.63	7.91	4.71	6.35	2.71

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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						7/5/2006	7/5/2006	7/5/2006	7/5/2006	7/17/2006	7/17/2006	7/17/2006
Trt-Eval Interval						62 DA-A	62 DA-A	62 DA-A	62 DA-A	74 DA-A	74 DA-A	74 DA-A
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code						
1	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A	0	0	0	0	0	0
1	2,4-D Ester	4	1	pt/a	7 EPP	A						
1	AMS		17	lb/100 gal	7 EPP	A						
2	Canopy	75	3	oz/a	7 EPP	A	99	98	99	35	98	97
2	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
2	2,4-D Ester	4	1	pt/a	7 EPP	A						
2	AMS		17	lb/100 gal	7 EPP	A						
3	Boundary	6.5	1.75	pt/a	7 EPP	A	18	82	96	63	1	47
3	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
3	2,4-D Ester	4	1	pt/a	7 EPP	A						
3	AMS		17	lb/100 gal	7 EPP	A						
4	Untreated						0	0	0	0	0	0
5	Valor	51	2.5	oz/a	7 EPP	A	78	98	99	99	16	97
5	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
5	2,4-D Ester	4	1	pt/a	7 EPP	A						
5	AMS		17	lb/100 gal	7 EPP	A						
6	Extreme	2.17	3	pt/a	7 EPP	A	93	47	96	97	76	40
6	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A						
6	2,4-D Ester	4	1	pt/a	7 EPP	A						
6	Activator 90 NIS		0.25	% v/v	7 EPP	A						
6	AMS		17	lb/100 gal	7 EPP	A						
7	Prowl H2O	3.8	2	pt/a	7 EPP	A	74	48	94	75	33	33
7	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
7	2,4-D Ester	4	1	pt/a	7 EPP	A						
7	AMS		17	lb/100 gal	7 EPP	A						
8	Linex	4	1	pt/a	7 EPP	A	50	75	75	67	15	38
8	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
8	2,4-D Ester	4	1	pt/a	7 EPP	A						
8	AMS		17	lb/100 gal	7 EPP	A						
9	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A				80	98	94
9	2,4-D Ester	4	1	pt/a	7 EPP	A						
9	AMS		17	lb/100 gal	7 EPP	A						
9	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
9	AMS		17	lb/100 gal	MPOS	B						
10	Canopy	75	3	oz/a	7 EPP	A				98	99	94
10	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
10	2,4-D Ester	4	1	pt/a	7 EPP	A						
10	AMS		17	lb/100 gal	7 EPP	A						
10	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
10	AMS		17	lb/100 gal	MPOS	B						
11	Boundary	6.5	1.75	pt/a	7 EPP	A				84	99	95
11	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
11	2,4-D Ester	4	1	pt/a	7 EPP	A						
11	AMS		17	lb/100 gal	7 EPP	A						
11	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
11	AMS		17	lb/100 gal	MPOS	B						
12	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B				88	99	99
12	AMS		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: NTS07-06

Study Dir.: Sprague, Armstrong, Powell

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMBEL	ABUTH	SOLPT	CHEAL	AMBEL	SOLPT
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	7/5/2006	7/5/2006	7/5/2006	7/5/2006	7/17/2006	7/17/2006	7/17/2006
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	74 DA-A	74 DA-A	74 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
13	Valor	51	2.5	oz/a	7 EPP	A			
13	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A		92	99
13	2,4-D Ester	4	1	pt/a	7 EPP	A			93
13	AMS		17	lb/100 gal	7 EPP	A			
13	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B			
13	AMS		17	lb/100 gal	MPOS	B			
14	Extreme	2.17	3	pt/a	7 EPP	A		87	99
14	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A			92
14	2,4-D Ester	4	1	pt/a	7 EPP	A			
14	Activator 90 NIS		0.25	% v/v	7 EPP	A			
14	AMS		17	lb/100 gal	7 EPP	A			
14	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B			
14	AMS		17	lb/100 gal	MPOS	B			
15	Prowl H2O	3.8	2	pt/a	7 EPP	A		84	97
15	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			97
15	2,4-D Ester	4	1	pt/a	7 EPP	A			
15	AMS		17	lb/100 gal	7 EPP	A			
15	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B			
15	AMS		17	lb/100 gal	MPOS	B			
16	Linex	4	1	pt/a	7 EPP	A		83	99
16	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			97
16	2,4-D Ester	4	1	pt/a	7 EPP	A			
16	AMS		17	lb/100 gal	7 EPP	A			
16	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B			
16	AMS		17	lb/100 gal	MPOS	B			
17	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A		86	99
17	2,4-D Ester	4	1	pt/a	7 EPP	A			99
17	AMS		17	lb/100 gal	7 EPP	A			
17	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
17	AMS		17	lb/100 gal	POST	C			
18	Canopy	75	3	oz/a	7 EPP	A		99	99
18	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
18	2,4-D Ester	4	1	pt/a	7 EPP	A			
18	AMS		17	lb/100 gal	7 EPP	A			
18	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
18	AMS		17	lb/100 gal	POST	C			
19	Boundary	6.5	1.75	pt/a	7 EPP	A		76	99
19	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			99
19	2,4-D Ester	4	1	pt/a	7 EPP	A			
19	AMS		17	lb/100 gal	7 EPP	A			
19	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
19	AMS		17	lb/100 gal	POST	C			
20	Roundup WeatherMax	4.5	22	fl oz/a	POST	C		70	93
20	AMS		17	lb/100 gal	POST	C			99
21	Valor	51	2.5	oz/a	7 EPP	A		99	99
21	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
21	2,4-D Ester	4	1	pt/a	7 EPP	A			
21	AMS		17	lb/100 gal	7 EPP	A			
21	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
21	AMS		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: NTS07-06

Study Dir.: Sprague, Armstrong, Powell

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code	CHEAL	AMBEL	ABUTH	SOLPT	CHEAL	AMBEL	SOLPT
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	7/5/2006	7/5/2006	7/5/2006	7/5/2006	7/17/2006	7/17/2006	7/17/2006
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	74 DA-A	74 DA-A	74 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
22	Extreme	2.17	3	pt/a	7 EPP	A			
22	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A		98	97
22	2,4-D Ester	4	1	pt/a	7 EPP	A			99
22	Activator 90 NIS		0.25	% v/v	7 EPP	A			
22	AMS		17	lb/100 gal	7 EPP	A			
22	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
22	AMS		17	lb/100 gal	POST	C			
23	Prowl H2O	3.8	2	pt/a	7 EPP	A		96	99
23	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			99
23	2,4-D Ester	4	1	pt/a	7 EPP	A			
23	AMS		17	lb/100 gal	7 EPP	A			
23	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
23	AMS		17	lb/100 gal	POST	C			
24	Linex	4	1	pt/a	7 EPP	A		91	98
24	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			99
24	2,4-D Ester	4	1	pt/a	7 EPP	A			
24	AMS		17	lb/100 gal	7 EPP	A			
24	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
24	AMS		17	lb/100 gal	POST	C			
25	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
25	2,4-D Ester	4	1	pt/a	7 EPP	A			
25	AMS		17	lb/100 gal	7 EPP	A			
25	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
25	AMS		17	lb/100 gal	LPOS	D			
26	Canopy	75	3	oz/a	7 EPP	A			
26	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
26	2,4-D Ester	4	1	pt/a	7 EPP	A			
26	AMS		17	lb/100 gal	7 EPP	A			
26	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
26	AMS		17	lb/100 gal	LPOS	D			
27	Boundary	6.5	1.75	pt/a	7 EPP	A			
27	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
27	2,4-D Ester	4	1	pt/a	7 EPP	A			
27	AMS		17	lb/100 gal	7 EPP	A			
27	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
27	AMS		17	lb/100 gal	LPOS	D			
28	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
28	AMS		17	lb/100 gal	LPOS	D			
29	Valor	51	2.5	oz/a	7 EPP	A			
29	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
29	2,4-D Ester	4	1	pt/a	7 EPP	A			
29	AMS		17	lb/100 gal	7 EPP	A			
29	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
29	AMS		17	lb/100 gal	LPOS	D			
30	Extreme	2.17	3	pt/a	7 EPP	A			
30	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A			
30	2,4-D Ester	4	1	pt/a	7 EPP	A			
30	Activator 90 NIS		0.25	% v/v	7 EPP	A			
30	AMS		17	lb/100 gal	7 EPP	A			
30	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
30	AMS		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: NTS07-06 Study Dir.: Sprague, Armstrong, Powell  
 Conducted: Shiawassee County Investigator: Christy Sprague

Weed Code	CHEAL	AMBEL	ABUTH	SOLPT	CHEAL	AMBEL	SOLPT
Crop Code							
Rating Data Type	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Rating Date	7/5/2006	7/5/2006	7/5/2006	7/5/2006	7/17/2006	7/17/2006	7/17/2006
Trt-Eval Interval	62 DA-A	62 DA-A	62 DA-A	62 DA-A	74 DA-A	74 DA-A	74 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code			
31	Prowl H2O	3.8	2	pt/a	7 EPP	A			
31	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
31	2,4-D Ester	4	1	pt/a	7 EPP	A			
31	AMS		17	lb/100 gal	7 EPP	A			
31	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
31	AMS		17	lb/100 gal	LPOS	D			
32	Linex	4	1	pt/a	7 EPP	A			
32	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A			
32	2,4-D Ester	4	1	pt/a	7 EPP	A			
32	AMS		17	lb/100 gal	7 EPP	A			
32	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
32	AMS		17	lb/100 gal	LPOS	D			
33	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A	99	99	98
33	2,4-D Ester	4	1	pt/a	7 EPP	A			
33	AMS		17	lb/100 gal	7 EPP	A			
33	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B			
33	AMS		17	lb/100 gal	MPOS	B			
33	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
33	AMS		17	lb/100 gal	LPOS	D			
34	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B	99	99	99
34	AMS		17	lb/100 gal	MPOS	B			
34	Roundup WeatherMax	4.5	22	fl oz/a	POST	C			
34	AMS		17	lb/100 gal	POST	C			
35	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B	54	99	98
35	AMS		17	lb/100 gal	MPOS	B			
35	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
35	AMS		17	lb/100 gal	LPOS	D			
36	Roundup WeatherMax	4.5	22	fl oz/a	POST	C	82	88	99
36	AMS		17	lb/100 gal	POST	C			
36	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D			
36	AMS		17	lb/100 gal	LPOS	D			

LSD (P=.05)	11.0	12.6	5.9	20.7	15.9	13.8	10.4
Standard Deviation	7.5	8.5	4.0	14.0	11.2	9.7	7.4
CV	14.57	15.27	5.76	25.7	15.89	11.81	8.92



MSU Weed Science Research Program

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

Trial ID: NTS07-06

Study Dir.: Sprague, Armstrong, Powell

Conducted: Shiawassee County

Investigator: Christy Sprague

Weed Code						ABUTH	CHEAL	AMBEL	ABUTH	GLXMA	GLXMA	
Crop Code						control	control	control	control	moisture	yield	
Rating Data Type						percent	percent	percent	percent	percent	bu/acre	
Rating Unit						7/17/2006	7/27/2006	7/27/2006	7/27/2006	10/30/2006	10/30/2006	
Rating Date						74 DA-A	84 DA-A	84 DA-A	84 DA-A	179 DA-A	at 13% M	
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code						
13	Valor	51	2.5	oz/a	7 EPP	A	99	92	99	99	12.8	50.3
13	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
13	2,4-D Ester	4	1	pt/a	7 EPP	A						
13	AMS		17	lb/100 gal	7 EPP	A						
13	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
13	AMS		17	lb/100 gal	MPOS	B						
14	Extreme	2.17	3	pt/a	7 EPP	A	99	99	99	99	12.7	51.9
14	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A						
14	2,4-D Ester	4	1	pt/a	7 EPP	A						
14	Activator 90 NIS		0.25	% v/v	7 EPP	A						
14	AMS		17	lb/100 gal	7 EPP	A						
14	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
14	AMS		17	lb/100 gal	MPOS	B						
15	Prowl H2O	3.8	2	pt/a	7 EPP	A	98	92	99	99	12.6	49.7
15	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
15	2,4-D Ester	4	1	pt/a	7 EPP	A						
15	AMS		17	lb/100 gal	7 EPP	A						
15	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
15	AMS		17	lb/100 gal	MPOS	B						
16	Linex	4	1	pt/a	7 EPP	A	99	96	99	99	12.8	48.1
16	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
16	2,4-D Ester	4	1	pt/a	7 EPP	A						
16	AMS		17	lb/100 gal	7 EPP	A						
16	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
16	AMS		17	lb/100 gal	MPOS	B						
17	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A	99	99	99	97	12.9	48.4
17	2,4-D Ester	4	1	pt/a	7 EPP	A						
17	AMS		17	lb/100 gal	7 EPP	A						
17	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
17	AMS		17	lb/100 gal	POST	C						
18	Canopy	75	3	oz/a	7 EPP	A	99	99	99	99	12.8	49.9
18	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
18	2,4-D Ester	4	1	pt/a	7 EPP	A						
18	AMS		17	lb/100 gal	7 EPP	A						
18	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
18	AMS		17	lb/100 gal	POST	C						
19	Boundary	6.5	1.75	pt/a	7 EPP	A	99	96	99	99	12.8	48.2
19	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
19	2,4-D Ester	4	1	pt/a	7 EPP	A						
19	AMS		17	lb/100 gal	7 EPP	A						
19	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
19	AMS		17	lb/100 gal	POST	C						
20	Roundup WeatherMax	4.5	22	fl oz/a	POST	C	99	87	97	99	13.0	46.5
20	AMS		17	lb/100 gal	POST	C						
21	Valor	51	2.5	oz/a	7 EPP	A	99	99	99	99	12.7	51.9
21	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
21	2,4-D Ester	4	1	pt/a	7 EPP	A						
21	AMS		17	lb/100 gal	7 EPP	A						
21	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
21	AMS		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: NTS07-06 Study Dir.: Sprague, Armstrong, Powell  
 Conducted: Shiawassee County Investigator: Christy Sprague

Weed Code						ABUTH	CHEAL	AMBEL	ABUTH	GLXMA	GLXMA	
Crop Code						control	control	control	control	moisture	yield	
Rating Data Type						percent	percent	percent	percent	percent	bu/acre	
Rating Unit						7/17/2006	7/27/2006	7/27/2006	7/27/2006	10/30/2006	10/30/2006	
Rating Date						74 DA-A	84 DA-A	84 DA-A	84 DA-A	179 DA-A	at 13% M	
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code						
22	Extreme	2.17	3	pt/a	7 EPP	A	99	99	99	99	12.5	52.9
22	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A						
22	2,4-D Ester	4	1	pt/a	7 EPP	A						
22	Activator 90 NIS		0.25	% v/v	7 EPP	A						
22	AMS		17	lb/100 gal	7 EPP	A						
22	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
22	AMS		17	lb/100 gal	POST	C						
23	Prowl H2O	3.8	2	pt/a	7 EPP	A	99	99	99	99	12.5	53.6
23	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
23	2,4-D Ester	4	1	pt/a	7 EPP	A						
23	AMS		17	lb/100 gal	7 EPP	A						
23	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
23	AMS		17	lb/100 gal	POST	C						
24	Linex	4	1	pt/a	7 EPP	A	99	99	99	99	12.6	50.8
24	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
24	2,4-D Ester	4	1	pt/a	7 EPP	A						
24	AMS		17	lb/100 gal	7 EPP	A						
24	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
24	AMS		17	lb/100 gal	POST	C						
25	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A		98	99	98	12.6	48.6
25	2,4-D Ester	4	1	pt/a	7 EPP	A						
25	AMS		17	lb/100 gal	7 EPP	A						
25	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
25	AMS		17	lb/100 gal	LPOS	D						
26	Canopy	75	3	oz/a	7 EPP	A		99	99	99	12.7	47.5
26	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
26	2,4-D Ester	4	1	pt/a	7 EPP	A						
26	AMS		17	lb/100 gal	7 EPP	A						
26	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
26	AMS		17	lb/100 gal	LPOS	D						
27	Boundary	6.5	1.75	pt/a	7 EPP	A		94	98	91	12.6	48.2
27	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
27	2,4-D Ester	4	1	pt/a	7 EPP	A						
27	AMS		17	lb/100 gal	7 EPP	A						
27	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
27	AMS		17	lb/100 gal	LPOS	D						
28	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D		97	96	99	12.7	46.6
28	AMS		17	lb/100 gal	LPOS	D						
29	Valor	51	2.5	oz/a	7 EPP	A		98	98	99	12.9	48.3
29	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
29	2,4-D Ester	4	1	pt/a	7 EPP	A						
29	AMS		17	lb/100 gal	7 EPP	A						
29	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
29	AMS		17	lb/100 gal	LPOS	D						
30	Extreme	2.17	3	pt/a	7 EPP	A		99	98	99	12.9	53.1
30	Roundup WeatherMax	4.5	5.5	fl oz/a	7 EPP	A						
30	2,4-D Ester	4	1	pt/a	7 EPP	A						
30	Activator 90 NIS		0.25	% v/v	7 EPP	A						
30	AMS		17	lb/100 gal	7 EPP	A						
30	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
30	AMS		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: NTS07-06 Study Dir.: Sprague, Armstrong, Powell  
 Conducted: Shiawassee County Investigator: Christy Sprague

Weed Code	ABUTH	CHEAL	AMBEL	ABUTH	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	7/17/2006	7/27/2006	7/27/2006	7/27/2006	10/30/2006	10/30/2006
Trt-Eval Interval	74 DA-A	84 DA-A	84 DA-A	84 DA-A	179 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code	ABUTH	CHEAL	AMBEL	ABUTH	GLXMA moisture	GLXMA yield
31	Prowl H2O	3.8	2	pt/a	7 EPP	A		98	96	99	12.5	53.8
31	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
31	2,4-D Ester	4	1	pt/a	7 EPP	A						
31	AMS		17	lb/100 gal	7 EPP	A						
31	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
31	AMS		17	lb/100 gal	LPOS	D						
32	Linex	4	1	pt/a	7 EPP	A		95	99	93	12.6	51.4
32	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A						
32	2,4-D Ester	4	1	pt/a	7 EPP	A						
32	AMS		17	lb/100 gal	7 EPP	A						
32	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
32	AMS		17	lb/100 gal	LPOS	D						
33	Roundup WeatherMax	4.5	22	fl oz/a	7 EPP	A	99	99	99	99	12.7	49.2
33	2,4-D Ester	4	1	pt/a	7 EPP	A						
33	AMS		17	lb/100 gal	7 EPP	A						
33	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B						
33	AMS		17	lb/100 gal	MPOS	B						
33	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
33	AMS		17	lb/100 gal	LPOS	D						
34	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B	99	98	99	99	12.7	47.2
34	AMS		17	lb/100 gal	MPOS	B						
34	Roundup WeatherMax	4.5	22	fl oz/a	POST	C						
34	AMS		17	lb/100 gal	POST	C						
35	Roundup WeatherMax	4.5	22	fl oz/a	MPOS	B	99	99	99	99	12.8	46.0
35	AMS		17	lb/100 gal	MPOS	B						
35	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
35	AMS		17	lb/100 gal	LPOS	D						
36	Roundup WeatherMax	4.5	22	fl oz/a	POST	C	99	93	99	99	12.8	46.0
36	AMS		17	lb/100 gal	POST	C						
36	Roundup WeatherMax	4.5	22	fl oz/a	LPOS	D						
36	AMS		17	lb/100 gal	LPOS	D						
LSD (P=.05)							4.9	9.9	9.0	6.7	0.71	6.04
Standard Deviation							3.4	7.1	6.4	4.8	0.50	4.31
CV							3.96	8.64	7.46	5.42	3.91	9.04