

MSU Weed Science Research Program

PRE herbicides and premixes for control of glyphosate-resistant Palmer amaranth

Trial ID: SOY22-14 Study Dir.: Sprague, Kohrt, and Powell
 Conducted: Gratiot County Investigator: Christy Sprague

Date Planted: May/29/2014 Row Spacing: 30 IN
 Variety: MCIA2653NLL No. of Reps: 4
 Population: 150,000 seeds/A % OM: 3.1
 Soil Type: sandy loam pH: 7.0
 Plot Size: 10 X 25 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Spring disk and soil finish
 Fertilizer: None

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	AMAPA	AMARANTH, PALMER	AMARANTHUS PALMERI S.WATS.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B	C
Application Timing:	PRE	POST	LPOS
Date Treated:	May/29/2014	Jun/19/2014	Jul/11/2014
Time Treated:	1:30 PM	12:00 PM	11:00 AM
% Cloud Cover:	25	50	10
Air Temp., Unit:	75 F	78 F	76 F
% Relative Humidity:	55	65	52
Wind Speed/Unit/Dir:	2 mph NE	6 mph NE	3 mph SE
Soil Temp., Unit:	72 F	73 F	70 F
Soil/Leaf Surface M:	5 -	3 5	3 5
Soil Moist (1=w 5=d):	5	2	3

Crop Stage at Each Application

	A	B	C
Crop Name:	GLXMA	GLXMA	GLXMA
Height (In.):	-	4.5"	10-12"
Stage (L):	-	V1-V2	V5

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	AMAPA	AMAPA	AMAPA
Height (In.):	-	1-3"	5-8"
Stage (L):	-	4-8	12
Weed 2 Name:	CHEAL	CHEAL	CHEAL
Height (In.):	-	1.5-2.5"	2-4"
Stage (L):	-	4-6	8-12

Weed Density (plants/sq. ft.)

	1	2
Date:	Jul/29/2014	Jul/29/2014
Weed Name:	AMAPA	CHEAL
Density:	12	5

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A	Backpack	3.5	AIXR	11003	21"	20"	100"	19	Water	30
B	Backpack	3.5	AIXR	11003	24"	20"	100"	19	Water	30
C	Backpack	3.5	AIXR	11003	26"	20"	100"	19	Water	30

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Weed Code								GLXMA	AMAPA	CHEAL	GLXMA	AMAPA
Crop Code								injury	control	control	injury	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/19/2014	Jun/19/2014	Jun/19/2014	Jun/27/2014	Jun/27/2014
Rating Date								21 DA-A	21 DA-A	21 DA-A	8 DA-B	8 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Valor	51	WG	2	oz/a	PRE	A	0	64	51	0	99
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Valor	51	WG	2.5	oz/a	PRE	A	0	71	79	0	98
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
2	Liberty	2.34	L	29	fl oz/a	LPOS	C					
2	AMS		WG	8.5	lb/100 gal	LPOS	C					
3	Zidua	85	WG	2.5	oz/a	PRE	A	0	46	28	0	98
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
3	Liberty	2.34	L	29	fl oz/a	LPOS	C					
3	AMS		WG	8.5	lb/100 gal	LPOS	C					
4	Fierce	76	WG	3	oz/a	PRE	A	0	81	70	0	98
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
4	Liberty	2.34	L	29	fl oz/a	LPOS	C					
4	AMS		WG	8.5	lb/100 gal	LPOS	C					
5	Prefix	5.29	L	2	pt/a	PRE	A	0	73	51	2	99
5	Liberty	2.34	L	29	fl oz/a	POST	B					
5	AMS		WG	8.5	lb/100 gal	POST	B					
5	Liberty	2.34	L	29	fl oz/a	LPOS	C					
5	AMS		WG	8.5	lb/100 gal	LPOS	C					
6	MON 63479	3.42	L	50	fl oz/a	PRE	A	0	85	25	0	98
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
6	Liberty	2.34	L	29	fl oz/a	LPOS	C					
6	AMS		WG	8.5	lb/100 gal	LPOS	C					
7	Sencor	75	WG	8	oz/a	PRE	A	10	35	70	0	96
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
7	Liberty	2.34	L	29	fl oz/a	LPOS	C					
7	AMS		WG	8.5	lb/100 gal	LPOS	C					
8	Spartan	4	L	8	fl oz/a	PRE	A	0	84	96	0	99
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Authority MTZ	45	WG	16	oz/a	PRE	A	8	80	96	1	99
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
9	Liberty	2.34	L	29	fl oz/a	LPOS	C					
9	AMS		WG	8.5	lb/100 gal	LPOS	C					
10	Sencor	75	WG	6	oz/a	PRE	A	8	79	90	0	98
10	Valor	51	WG	2.5	oz/a	PRE	A					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					

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Weed Code								GLXMA	AMAPA	CHEAL	GLXMA	AMAPA
Crop Code								injury	control	control	injury	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/19/2014	Jun/19/2014	Jun/19/2014	Jun/27/2014	Jun/27/2014
Rating Date								21 DA-A	21 DA-A	21 DA-A	8 DA-B	8 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
11	SP 1171	2	L	25.6	fl oz/a	PRE	A	7	79	81	5	96
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
11	Liberty	2.34	L	29	fl oz/a	LPOS	C					
11	AMS		WG	8.5	lb/100 gal	LPOS	C					
12	Untreated							0	0	0	0	0
13	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	0	81	87	3	98
13	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A					
13	Outlook	6	L	10	fl oz/a	+3 wk	B					
13	Liberty	2.34	L	29	fl oz/a	POST	B					
13	AMS		WG	8.5	lb/100 gal	POST	B					
14	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	1	61	73	0	97
14	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A					
14	Outlook	6	L	10	fl oz/a	+5 wk	C					
14	Liberty	2.34	L	29	fl oz/a	LPOS	C					
14	AMS		WG	8.5	lb/100 gal	LPOS	C					
15	Optill	68	WG	2	oz/a	PRE	A	1	78	81	2	99
15	Zidua	85	WG	2	oz/a	PRE	A					
15	Outlook	6	L	10	fl oz/a	+3 wk	B					
15	Liberty	2.34	L	29	fl oz/a	POST	B					
15	AMS		WG	8.5	lb/100 gal	POST	B					
16	Verdict	5.57	L	5	fl oz/a	PRE	A	4	63	84	0	98
16	Prowl H2O	3.8	L	2.5	pt/a	PRE	A					
16	Outlook	6	L	10	fl oz/a	+3 wk	B					
16	Liberty	2.34	L	29	fl oz/a	POST	B					
16	AMS		WG	8.5	lb/100 gal	POST	B					
17	Verdict	5.57	L	5	fl oz/a	PRE	A	4	71	69	0	98
17	Zidua	85	WG	2.5	oz/a	PRE	A					
17	Outlook	6	L	10	fl oz/a	+3 wk	B					
17	Liberty	2.34	L	29	fl oz/a	POST	B					
17	AMS		WG	8.5	lb/100 gal	POST	B					
18	Zidua	85	WG	2.5	oz/a	PRE	A	0	59	81	0	98
18	Sharpen	2.85	L	1	fl oz/a	PRE	A					
18	Sencor	75	WG	5	oz/a	PRE	A					
18	Outlook	6	L	10	fl oz/a	+3 wk	B					
18	Liberty	2.34	L	29	fl oz/a	POST	B					
18	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								4.6	20.0	23.2	1.3	2.5
CV								137.59	21.44	24.42	147.74	1.91

Means followed by same letter do not significantly differ (P=.05, LSD)

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Crop Code								control	injury	control	control	injury
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/27/2014	Jul/09/2014	Jul/09/2014	Jul/09/2014	Jul/21/2014
Rating Date								8 DA-B	20 DA-B	20 DA-B	20 DA-B	10 DA-C
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Valor	51	WG	2	oz/a	PRE	A	99	0	98	97	0
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Valor	51	WG	2.5	oz/a	PRE	A	98	4	92	97	3
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
2	Liberty	2.34	L	29	fl oz/a	LPOS	C					
2	AMS		WG	8.5	lb/100 gal	LPOS	C					
3	Zidua	85	WG	2.5	oz/a	PRE	A	98	5	90	88	3
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
3	Liberty	2.34	L	29	fl oz/a	LPOS	C					
3	AMS		WG	8.5	lb/100 gal	LPOS	C					
4	Fierce	76	WG	3	oz/a	PRE	A	98	4	91	92	0
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
4	Liberty	2.34	L	29	fl oz/a	LPOS	C					
4	AMS		WG	8.5	lb/100 gal	LPOS	C					
5	Prefix	5.29	L	2	pt/a	PRE	A	98	0	90	89	1
5	Liberty	2.34	L	29	fl oz/a	POST	B					
5	AMS		WG	8.5	lb/100 gal	POST	B					
5	Liberty	2.34	L	29	fl oz/a	LPOS	C					
5	AMS		WG	8.5	lb/100 gal	LPOS	C					
6	MON 63479	3.42	L	50	fl oz/a	PRE	A	98	4	94	95	3
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
6	Liberty	2.34	L	29	fl oz/a	LPOS	C					
6	AMS		WG	8.5	lb/100 gal	LPOS	C					
7	Sencor	75	WG	8	oz/a	PRE	A	98	9	68	74	3
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
7	Liberty	2.34	L	29	fl oz/a	LPOS	C					
7	AMS		WG	8.5	lb/100 gal	LPOS	C					
8	Spartan	4	L	8	fl oz/a	PRE	A	99	0	97	99	0
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Authority MTZ	45	WG	16	oz/a	PRE	A	99	0	90	99	0
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
9	Liberty	2.34	L	29	fl oz/a	LPOS	C					
9	AMS		WG	8.5	lb/100 gal	LPOS	C					
10	Sencor	75	WG	6	oz/a	PRE	A	99	5	94	99	0
10	Valor	51	WG	2.5	oz/a	PRE	A					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					

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Weed Code							CHEAL	GLXMA	AMAPA	CHEAL	GLXMA	
Crop Code							control	injury	control	control	injury	
Rating Data Type							percent	percent	percent	percent	percent	
Rating Unit							Jun/27/2014	Jul/09/2014	Jul/09/2014	Jul/09/2014	Jul/21/2014	
Rating Date							8 DA-B	20 DA-B	20 DA-B	20 DA-B	10 DA-C	
Trt-Eval Interval							0	0	0	0	0	
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
11	SP 1171	2	L	25.6	fl oz/a	PRE	A	99	0	87	96	0
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
11	Liberty	2.34	L	29	fl oz/a	LPOS	C					
11	AMS		WG	8.5	lb/100 gal	LPOS	C					
12	Untreated							0	0	0	0	0
13	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	99	8	93	96	0
13	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A					
13	Outlook	6	L	10	fl oz/a	+3 wk	B					
13	Liberty	2.34	L	29	fl oz/a	POST	B					
13	AMS		WG	8.5	lb/100 gal	POST	B					
14	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	98	5	87	93	0
14	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A					
14	Outlook	6	L	10	fl oz/a	+5 wk	C					
14	Liberty	2.34	L	29	fl oz/a	LPOS	C					
14	AMS		WG	8.5	lb/100 gal	LPOS	C					
15	Optill	68	WG	2	oz/a	PRE	A	98	6	96	96	1
15	Zidua	85	WG	2	oz/a	PRE	A					
15	Outlook	6	L	10	fl oz/a	+3 wk	B					
15	Liberty	2.34	L	29	fl oz/a	POST	B					
15	AMS		WG	8.5	lb/100 gal	POST	B					
16	Verdict	5.57	L	5	fl oz/a	PRE	A	99	8	93	97	1
16	Prowl H2O	3.8	L	2.5	pt/a	PRE	A					
16	Outlook	6	L	10	fl oz/a	+3 wk	B					
16	Liberty	2.34	L	29	fl oz/a	POST	B					
16	AMS		WG	8.5	lb/100 gal	POST	B					
17	Verdict	5.57	L	5	fl oz/a	PRE	A	98	6	98	98	3
17	Zidua	85	WG	2.5	oz/a	PRE	A					
17	Outlook	6	L	10	fl oz/a	+3 wk	B					
17	Liberty	2.34	L	29	fl oz/a	POST	B					
17	AMS		WG	8.5	lb/100 gal	POST	B					
18	Zidua	85	WG	2.5	oz/a	PRE	A	99	11	96	96	3
18	Sharpen	2.85	L	1	fl oz/a	PRE	A					
18	Sencor	75	WG	5	oz/a	PRE	A					
18	Outlook	6	L	10	fl oz/a	+3 wk	B					
18	Liberty	2.34	L	29	fl oz/a	POST	B					
18	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								2.1	5.7	12.9	10.1	3.2
CV								1.62	99.42	10.57	8.06	207.48

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code								control	control	control	control
Crop Code								percent	percent	percent	percent
Rating Data Type								Jul/21/2014	Jul/21/2014	Aug/04/2014	Sep/12/2014
Rating Unit								10 DA-C	10 DA-C	24 DA-C	63 DA-C
Rating Date								0	0	0	0
Trt-Eval Interval											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Valor	51	WG	2	oz/a	PRE	A	99	96	89	91
1	Liberty	2.34	L	29	fl oz/a	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Valor	51	WG	2.5	oz/a	PRE	A	99	99	88	84
2	Liberty	2.34	L	29	fl oz/a	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
2	Liberty	2.34	L	29	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Zidua	85	WG	2.5	oz/a	PRE	A	99	99	93	92
3	Liberty	2.34	L	29	fl oz/a	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
3	Liberty	2.34	L	29	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Fierce	76	WG	3	oz/a	PRE	A	99	99	90	82
4	Liberty	2.34	L	29	fl oz/a	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
4	Liberty	2.34	L	29	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Prefix	5.29	L	2	pt/a	PRE	A	99	99	99	96
5	Liberty	2.34	L	29	fl oz/a	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
5	Liberty	2.34	L	29	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	MON 63479	3.42	L	50	fl oz/a	PRE	A	99	99	97	95
6	Liberty	2.34	L	29	fl oz/a	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
6	Liberty	2.34	L	29	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Sencor	75	WG	8	oz/a	PRE	A	98	99	75	72
7	Liberty	2.34	L	29	fl oz/a	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				
7	Liberty	2.34	L	29	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Spartan	4	L	8	fl oz/a	PRE	A	95	99	90	87
8	Liberty	2.34	L	29	fl oz/a	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Authority MTZ	45	WG	16	oz/a	PRE	A	99	99	94	95
9	Liberty	2.34	L	29	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
9	Liberty	2.34	L	29	fl oz/a	LPOS	C				
9	AMS		WG	8.5	lb/100 gal	LPOS	C				
10	Sencor	75	WG	6	oz/a	PRE	A	99	99	90	87
10	Valor	51	WG	2.5	oz/a	PRE	A				
10	Liberty	2.34	L	29	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
10	Liberty	2.34	L	29	fl oz/a	LPOS	C				
10	AMS		WG	8.5	lb/100 gal	LPOS	C				

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Weed Code								AMAPA	CHEAL	AMAPA	AMAPA
Crop Code											
Rating Data Type								control	control	control	control
Rating Unit								percent	percent	percent	percent
Rating Date								Jul/21/2014	Jul/21/2014	Aug/04/2014	Sep/12/2014
Trt-Eval Interval								10 DA-C	10 DA-C	24 DA-C	63 DA-C
# Subsamples, Dec.								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
11	SP 1171	2	L	25.6	fl oz/a	PRE	A	97	99	91	90
11	Liberty	2.34	L	29	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
11	Liberty	2.34	L	29	fl oz/a	LPOS	C				
11	AMS		WG	8.5	lb/100 gal	LPOS	C				
12	Untreated							0	0	0	0
13	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	95	97	83	77
13	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A				
13	Outlook	6	L	10	fl oz/a	+3 wk	B				
13	Liberty	2.34	L	29	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Optill Pro - Optill	68	WG	2	oz/a	PRE	A	98	99	90	89
14	Optill Pro - Outlook	6	L	10	fl oz/a	PRE	A				
14	Outlook	6	L	10	fl oz/a	+5 wk	C				
14	Liberty	2.34	L	29	fl oz/a	LPOS	C				
14	AMS		WG	8.5	lb/100 gal	LPOS	C				
15	Optill	68	WG	2	oz/a	PRE	A	98	97	90	93
15	Zidua	85	WG	2	oz/a	PRE	A				
15	Outlook	6	L	10	fl oz/a	+3 wk	B				
15	Liberty	2.34	L	29	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
16	Verdict	5.57	L	5	fl oz/a	PRE	A	94	96	76	80
16	Prowl H2O	3.8	L	2.5	pt/a	PRE	A				
16	Outlook	6	L	10	fl oz/a	+3 wk	B				
16	Liberty	2.34	L	29	fl oz/a	POST	B				
16	AMS		WG	8.5	lb/100 gal	POST	B				
17	Verdict	5.57	L	5	fl oz/a	PRE	A	98	98	95	98
17	Zidua	85	WG	2.5	oz/a	PRE	A				
17	Outlook	6	L	10	fl oz/a	+3 wk	B				
17	Liberty	2.34	L	29	fl oz/a	POST	B				
17	AMS		WG	8.5	lb/100 gal	POST	B				
18	Zidua	85	WG	2.5	oz/a	PRE	A	96	97	92	84
18	Sharpen	2.85	L	1	fl oz/a	PRE	A				
18	Sencor	75	WG	5	oz/a	PRE	A				
18	Outlook	6	L	10	fl oz/a	+3 wk	B				
18	Liberty	2.34	L	29	fl oz/a	POST	B				
18	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								4.8	3.2	11.0	16.0
CV								3.66	2.42	9.21	13.71

Means followed by same letter do not significantly differ (P=.05, LSD)