

MSU Weed Science Research Program

Postemergence broadleaf weed control with Cadet and Marvel in soybean

Trial ID: SOY06-14  
 Conducted: Campus T-12

Study Dir.: Sprague and Powell  
 Investigator: Christy Sprague

**Date Planted:** May/21/2014  
**Variety:** Pioneer 26T76R  
**Population:** 150,000 seeds/A  
**Soil Type:** Loam  
**Plot Size:** 10 x 35 FT

**Row Spacing:** 30 IN  
**No. of Reps:** 4  
**% OM:** 3.8  
**pH:** 7.3  
**Design:** RANDOMIZED COMPLETE BLOCK

**Tillage:** Fall chisel plow. Spring soil finish 2x.  
**Fertilizer:** None

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
2.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S.WATS.
3.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
4.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

**Application Description**

**Application Timing:** A  
 POST  
**Date Treated:** Jun/16/2014  
**Time Treated:** 11:50 AM  
**% Cloud Cover:** 60  
**Air Temp., Unit:** 84 F  
**% Relative Humidity:** 42  
**Wind Speed/Unit/Dir:** 4 mph SW  
**Soil Temp., Unit:** 77 F  
**Soil/Leaf Surface M:** 5 5  
**Soil Moist (1=w 5=d):** 5

**Crop Stage at Each Application**

**Crop Name:** A  
 GLXMA  
**Height (In.):** 6"  
**Stage (L):** V2-V3

**Weed Stage at Each Application**

**Weed 1 Name:** A  
 CHEAL  
**Height (In.):** 1-5.5"  
**Stage (L):** 2-Many  
**Weed 2 Name:** AMAPO  
**Height (In.):** 0.5-3.5"  
**Stage (L):** 2-Many  
**Weed 3 Name:** AMBEL  
**Height (In.):** 0.5-3"  
**Stage (L):** 2-8  
**Weed 4 Name:** ABUTH  
**Height (In.):** 1-2"  
**Stage (L):** 1-4

**Weed Density (plants/sq. ft.)**

Date:	1	2	3	4	5
	Jul/17/2014	Jul/17/2014	Jul/17/2014	Jul/17/2014	Jul/17/2014
<b>Weed Name:</b>	ANGR	CHEAL	AMAPO	AMBEL	SINAR
<b>Density:</b>	4	11	1	9	1

**Application Equipment**

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom	GPA	Carrier	PSI
	Type	MPH	Type	Size	Height	Spacing	width			
A	Cub	3.8	AIXR	11003	27"	20"	100"	19	Water	30

**Comments:** 06/09/14 - A blanket treatment of SelectMax (9 fl oz/A) + COC (1% v/v) + AMS (2 lb/A) was applied.

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Weed Code								ANGR	CHEAL	AMAPO
Crop Code							GLXMA			
Rating Data Type							injury	control	control	control
Rating Unit							percent	percent	percent	percent
Rating Date							Jun/23/2014	Jun/23/2014	Jun/23/2014	Jun/23/2014
Trt-Eval Interval							7 DA-A	7 DA-A	7 DA-A	7 DA-A
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	0	98	99	99
1	AMS		WG	17	lb/100 gal	POST	A				
2	Cadet	0.91	L	0.6	fl oz/a	POST	A	13	96	99	99
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
2	Crop oil concentrate		L	1	% v/v	POST	A				
2	AMS		WG	17	lb/100 gal	POST	A				
3	Cadet	0.91	L	0.9	fl oz/a	POST	A	14	97	99	99
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
3	Crop oil concentrate		L	1	% v/v	POST	A				
3	AMS		WG	17	lb/100 gal	POST	A				
4	Marvel	3	L	7.25	fl oz/a	POST	A	20	98	99	99
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
4	Crop oil concentrate		L	1	% v/v	POST	A				
4	AMS		WG	17	lb/100 gal	POST	A				
5	Marvel	3	L	7.25	fl oz/a	POST	A	20	99	99	99
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
5	Surfactant		L	0.25	% v/v	POST	A				
5	AMS		WG	17	lb/100 gal	POST	A				
6	Marvel	3	L	7.25	fl oz/a	POST	A	21	99	99	99
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
6	Surfactant		L	0.125	% v/v	POST	A				
6	AMS		WG	17	lb/100 gal	POST	A				
7	Untreated							0	0	0	0
8	FirstRate	84	WG	0.3	oz/a	POST	A	3	98	98	99
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
8	Crop oil concentrate		L	1	% v/v	POST	A				
8	AMS		WG	17	lb/100 gal	POST	A				
9	Accolade	80	WG	0.12	oz/a	POST	A	6	98	98	99
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
9	Crop oil concentrate		L	1	% v/v	POST	A				
9	AMS		WG	17	lb/100 gal	POST	A				
10	Accolade	80	WG	0.12	oz/a	POST	A	9	99	99	99
10	FirstRate	84	WG	0.3	oz/a	POST	A				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
10	Crop oil concentrate		L	1	% v/v	POST	A				
10	AMS		WG	17	lb/100 gal	POST	A				
11	Cadet	0.91	L	0.6	fl oz/a	POST	A	8	98	99	99
11	FirstRate	84	WG	0.3	oz/a	POST	A				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
11	Crop oil concentrate		L	1	% v/v	POST	A				
11	AMS		WG	17	lb/100 gal	POST	A				

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Weed Code										
Crop Code										
Rating Data Type										
Rating Unit										
Rating Date										
Trt-Eval Interval										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code		ANGR	CHEAL	AMAPO
12	Anthem	2.15	L	6	fl oz/a	POST	A	7	99	99	99
12	Accolade	80	WG	0.12	oz/a	POST	A				
12	FirstRate	84	WG	0.3	oz/a	POST	A				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
12	Crop oil concentrate		L	1	% v/v	POST	A				
12	AMS		WG	17	lb/100 gal	POST	A				
13	Anthem	2.15	L	6	fl oz/a	POST	A	19	99	95	99
13	Accolade	80	WG	0.12	oz/a	POST	A				
13	FirstRate	84	WG	0.3	oz/a	POST	A				
13	Select Max	0.97	L	12	fl oz/a	POST	A				
13	Crop oil concentrate		L	1	% v/v	POST	A				
13	AMS		WG	17	lb/100 gal	POST	A				
14	Anthem	2.15	L	6	fl oz/a	POST	A	21	99	92	99
14	Basagran	4	L	12	fl oz/a	POST	A				
14	FirstRate	84	WG	0.3	oz/a	POST	A				
14	Select Max	0.97	L	12	fl oz/a	POST	A				
14	Crop oil concentrate		L	1	% v/v	POST	A				
14	AMS		WG	17	lb/100 gal	POST	A				
LSD (P=.05)								3.7	1.8	3.0	0.0
CV								22.84	1.35	2.28	0.0

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

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Weed Code	AMBEL	SINAR	GLXMA	CHEAL
Crop Code				
Rating Data Type	control	control	injury	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jun/23/2014	Jun/23/2014	Jun/30/2014	Jun/30/2014
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMBEL	SINAR	GLXMA	CHEAL
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	96	98	0	99
1	AMS		WG	17	lb/100 gal	POST	A				
2	Cadet	0.91	L	0.6	fl oz/a	POST	A	83	99	10	99
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
2	Crop oil concentrate		L	1	% v/v	POST	A				
2	AMS		WG	17	lb/100 gal	POST	A				
3	Cadet	0.91	L	0.9	fl oz/a	POST	A	89	99	13	98
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
3	Crop oil concentrate		L	1	% v/v	POST	A				
3	AMS		WG	17	lb/100 gal	POST	A				
4	Marvel	3	L	7.25	fl oz/a	POST	A	99	99	15	98
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
4	Crop oil concentrate		L	1	% v/v	POST	A				
4	AMS		WG	17	lb/100 gal	POST	A				
5	Marvel	3	L	7.25	fl oz/a	POST	A	99	99	20	98
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
5	Surfactant		L	0.25	% v/v	POST	A				
5	AMS		WG	17	lb/100 gal	POST	A				
6	Marvel	3	L	7.25	fl oz/a	POST	A	99	99	15	99
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
6	Surfactant		L	0.125	% v/v	POST	A				
6	AMS		WG	17	lb/100 gal	POST	A				
7	Untreated							0	0	0	0
8	FirstRate	84	WG	0.3	oz/a	POST	A	90	97	0	99
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
8	Crop oil concentrate		L	1	% v/v	POST	A				
8	AMS		WG	17	lb/100 gal	POST	A				
9	Accolade	80	WG	0.12	oz/a	POST	A	94	99	0	99
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
9	Crop oil concentrate		L	1	% v/v	POST	A				
9	AMS		WG	17	lb/100 gal	POST	A				
10	Accolade	80	WG	0.12	oz/a	POST	A	90	99	6	99
10	FirstRate	84	WG	0.3	oz/a	POST	A				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
10	Crop oil concentrate		L	1	% v/v	POST	A				
10	AMS		WG	17	lb/100 gal	POST	A				
11	Cadet	0.91	L	0.6	fl oz/a	POST	A	90	99	7	99
11	FirstRate	84	WG	0.3	oz/a	POST	A				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
11	Crop oil concentrate		L	1	% v/v	POST	A				
11	AMS		WG	17	lb/100 gal	POST	A				

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Crop Code				
Rating Data Type	control	control	injury	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jun/23/2014	Jun/23/2014	Jun/30/2014	Jun/30/2014
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	AMBEL	SINAR	GLXMA	CHEAL
12	Anthem	2.15	L	6	fl oz/a	POST	A	94	99	7	99
12	Accolade	80	WG	0.12	oz/a	POST	A				
12	FirstRate	84	WG	0.3	oz/a	POST	A				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
12	Crop oil concentrate		L	1	% v/v	POST	A				
12	AMS		WG	17	lb/100 gal	POST	A				
13	Anthem	2.15	L	6	fl oz/a	POST	A	79	99	11	86
13	Accolade	80	WG	0.12	oz/a	POST	A				
13	FirstRate	84	WG	0.3	oz/a	POST	A				
13	Select Max	0.97	L	12	fl oz/a	POST	A				
13	Crop oil concentrate		L	1	% v/v	POST	A				
13	AMS		WG	17	lb/100 gal	POST	A				
14	Anthem	2.15	L	6	fl oz/a	POST	A	96	93	16	94
14	Basagran	4	L	12	fl oz/a	POST	A				
14	FirstRate	84	WG	0.3	oz/a	POST	A				
14	Select Max	0.97	L	12	fl oz/a	POST	A				
14	Crop oil concentrate		L	1	% v/v	POST	A				
14	AMS		WG	17	lb/100 gal	POST	A				
LSD (P=.05)								4.6	2.5	4.0	5.3
CV								3.8	1.9	33.2	4.07

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

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Weed Code	AMAPO	AMBEL	SINAR	GLXMA
Crop Code				
Rating Data Type	control	control	control	injury
Rating Unit	percent	percent	percent	percent
Rating Date	Jun/30/2014	Jun/30/2014	Jun/30/2014	Jul/14/2014
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	28 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMAPO	AMBEL	SINAR	GLXMA
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	99	90	96	0
1	AMS		WG	17	lb/100 gal	POST	A				
2	Cadet	0.91	L	0.6	fl oz/a	POST	A	99	81	96	3
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
2	Crop oil concentrate		L	1	% v/v	POST	A				
2	AMS		WG	17	lb/100 gal	POST	A				
3	Cadet	0.91	L	0.9	fl oz/a	POST	A	99	85	97	1
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
3	Crop oil concentrate		L	1	% v/v	POST	A				
3	AMS		WG	17	lb/100 gal	POST	A				
4	Marvel	3	L	7.25	fl oz/a	POST	A	99	97	99	3
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
4	Crop oil concentrate		L	1	% v/v	POST	A				
4	AMS		WG	17	lb/100 gal	POST	A				
5	Marvel	3	L	7.25	fl oz/a	POST	A	99	99	99	3
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
5	Surfactant		L	0.25	% v/v	POST	A				
5	AMS		WG	17	lb/100 gal	POST	A				
6	Marvel	3	L	7.25	fl oz/a	POST	A	99	99	99	1
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
6	Surfactant		L	0.125	% v/v	POST	A				
6	AMS		WG	17	lb/100 gal	POST	A				
7	Untreated							0	0	0	0
8	FirstRate	84	WG	0.3	oz/a	POST	A	99	98	99	0
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
8	Crop oil concentrate		L	1	% v/v	POST	A				
8	AMS		WG	17	lb/100 gal	POST	A				
9	Accolade	80	WG	0.12	oz/a	POST	A	99	91	98	0
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
9	Crop oil concentrate		L	1	% v/v	POST	A				
9	AMS		WG	17	lb/100 gal	POST	A				
10	Accolade	80	WG	0.12	oz/a	POST	A	99	99	99	1
10	FirstRate	84	WG	0.3	oz/a	POST	A				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
10	Crop oil concentrate		L	1	% v/v	POST	A				
10	AMS		WG	17	lb/100 gal	POST	A				
11	Cadet	0.91	L	0.6	fl oz/a	POST	A	99	98	99	0
11	FirstRate	84	WG	0.3	oz/a	POST	A				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
11	Crop oil concentrate		L	1	% v/v	POST	A				
11	AMS		WG	17	lb/100 gal	POST	A				

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Crop Code				
Rating Data Type	control	control	control	injury
Rating Unit	percent	percent	percent	percent
Rating Date	Jun/30/2014	Jun/30/2014	Jun/30/2014	Jul/14/2014
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	28 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	AMAPO	AMBEL	SINAR	GLXMA
12	Anthem	2.15	L	6	fl oz/a	POST	A	99	97	99	1
12	Accolade	80	WG	0.12	oz/a	POST	A				
12	FirstRate	84	WG	0.3	oz/a	POST	A				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
12	Crop oil concentrate		L	1	% v/v	POST	A				
12	AMS		WG	17	lb/100 gal	POST	A				
13	Anthem	2.15	L	6	fl oz/a	POST	A	99	80	99	2
13	Accolade	80	WG	0.12	oz/a	POST	A				
13	FirstRate	84	WG	0.3	oz/a	POST	A				
13	Select Max	0.97	L	12	fl oz/a	POST	A				
13	Crop oil concentrate		L	1	% v/v	POST	A				
13	AMS		WG	17	lb/100 gal	POST	A				
14	Anthem	2.15	L	6	fl oz/a	POST	A	98	98	97	1
14	Basagran	4	L	12	fl oz/a	POST	A				
14	FirstRate	84	WG	0.3	oz/a	POST	A				
14	Select Max	0.97	L	12	fl oz/a	POST	A				
14	Crop oil concentrate		L	1	% v/v	POST	A				
14	AMS		WG	17	lb/100 gal	POST	A				
LSD (P=.05)								0.4	4.8	1.9	2.6
CV								0.28	3.9	1.44	171.24

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

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Weed Code	CHEAL	AMAPO	AMBEL	SINAR
Crop Code				
Rating Data Type	control	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jul/14/2014	Jul/14/2014	Jul/14/2014	Jul/14/2014
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	98	84	79	96
1	AMS		WG	17	lb/100 gal	POST	A				
2	Cadet	0.91	L	0.6	fl oz/a	POST	A	94	95	81	98
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
2	Crop oil concentrate		L	1	% v/v	POST	A				
2	AMS		WG	17	lb/100 gal	POST	A				
3	Cadet	0.91	L	0.9	fl oz/a	POST	A	93	86	85	94
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
3	Crop oil concentrate		L	1	% v/v	POST	A				
3	AMS		WG	17	lb/100 gal	POST	A				
4	Marvel	3	L	7.25	fl oz/a	POST	A	92	98	97	99
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
4	Crop oil concentrate		L	1	% v/v	POST	A				
4	AMS		WG	17	lb/100 gal	POST	A				
5	Marvel	3	L	7.25	fl oz/a	POST	A	98	97	97	99
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
5	Surfactant		L	0.25	% v/v	POST	A				
5	AMS		WG	17	lb/100 gal	POST	A				
6	Marvel	3	L	7.25	fl oz/a	POST	A	97	99	96	99
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
6	Surfactant		L	0.125	% v/v	POST	A				
6	AMS		WG	17	lb/100 gal	POST	A				
7	Untreated							0	0	0	0
8	FirstRate	84	WG	0.3	oz/a	POST	A	97	99	96	99
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
8	Crop oil concentrate		L	1	% v/v	POST	A				
8	AMS		WG	17	lb/100 gal	POST	A				
9	Accolade	80	WG	0.12	oz/a	POST	A	97	92	82	99
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
9	Crop oil concentrate		L	1	% v/v	POST	A				
9	AMS		WG	17	lb/100 gal	POST	A				
10	Accolade	80	WG	0.12	oz/a	POST	A	99	99	98	99
10	FirstRate	84	WG	0.3	oz/a	POST	A				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
10	Crop oil concentrate		L	1	% v/v	POST	A				
10	AMS		WG	17	lb/100 gal	POST	A				
11	Cadet	0.91	L	0.6	fl oz/a	POST	A	97	99	97	99
11	FirstRate	84	WG	0.3	oz/a	POST	A				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
11	Crop oil concentrate		L	1	% v/v	POST	A				
11	AMS		WG	17	lb/100 gal	POST	A				



MSU Weed Science Research Program

Postemergence broadleaf weed control with Cadet and Marvel in soybean

Trial ID: SOY06-14  
 Conducted: Campus T-12

Study Dir.: Sprague and Powell  
 Investigator: Christy Sprague

Weed Code	CHEAL	AMAPO	AMBEL	SINAR
Crop Code				
Rating Data Type	control	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jul/14/2014	Jul/14/2014	Jul/14/2014	Jul/14/2014
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A
# Subsamples, Dec.				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code				
12	Anthem	2.15	L	6	fl oz/a	POST	A	98	99	98	99
12	Accolade	80	WG	0.12	oz/a	POST	A				
12	FirstRate	84	WG	0.3	oz/a	POST	A				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A				
12	Crop oil concentrate		L	1	% v/v	POST	A				
12	AMS		WG	17	lb/100 gal	POST	A				
13	Anthem	2.15	L	6	fl oz/a	POST	A	85	99	89	99
13	Accolade	80	WG	0.12	oz/a	POST	A				
13	FirstRate	84	WG	0.3	oz/a	POST	A				
13	Select Max	0.97	L	12	fl oz/a	POST	A				
13	Crop oil concentrate		L	1	% v/v	POST	A				
13	AMS		WG	17	lb/100 gal	POST	A				
14	Anthem	2.15	L	6	fl oz/a	POST	A	95	99	97	99
14	Basagran	4	L	12	fl oz/a	POST	A				
14	FirstRate	84	WG	0.3	oz/a	POST	A				
14	Select Max	0.97	L	12	fl oz/a	POST	A				
14	Crop oil concentrate		L	1	% v/v	POST	A				
14	AMS		WG	17	lb/100 gal	POST	A				
LSD (P=.05)								5.7	7.2	6.6	2.2
CV								4.47	5.7	5.44	1.69

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

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Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

# Subsamples, Dec.

GLXMA  
 moisture  
 percent  
 Nov/03/2014  
 140 DA-A

GLXMA  
 yield  
 bu/acre  
 Nov/03/2014  
 at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code		
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	14.2	68.0
1	AMS		WG	17	lb/100 gal	POST	A		
2	Cadet	0.91	L	0.6	fl oz/a	POST	A	14.1	65.8
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
2	Crop oil concentrate		L	1	% v/v	POST	A		
2	AMS		WG	17	lb/100 gal	POST	A		
3	Cadet	0.91	L	0.9	fl oz/a	POST	A	14.7	62.9
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
3	Crop oil concentrate		L	1	% v/v	POST	A		
3	AMS		WG	17	lb/100 gal	POST	A		
4	Marvel	3	L	7.25	fl oz/a	POST	A	14.1	63.8
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
4	Crop oil concentrate		L	1	% v/v	POST	A		
4	AMS		WG	17	lb/100 gal	POST	A		
5	Marvel	3	L	7.25	fl oz/a	POST	A	14.4	66.0
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
5	Surfactant		L	0.25	% v/v	POST	A		
5	AMS		WG	17	lb/100 gal	POST	A		
6	Marvel	3	L	7.25	fl oz/a	POST	A	13.8	67.8
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
6	Surfactant		L	0.125	% v/v	POST	A		
6	AMS		WG	17	lb/100 gal	POST	A		
7	Untreated							15.2	26.1
8	FirstRate	84	WG	0.3	oz/a	POST	A	13.9	69.5
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
8	Crop oil concentrate		L	1	% v/v	POST	A		
8	AMS		WG	17	lb/100 gal	POST	A		
9	Accolade	80	WG	0.12	oz/a	POST	A	13.5	65.1
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
9	Crop oil concentrate		L	1	% v/v	POST	A		
9	AMS		WG	17	lb/100 gal	POST	A		
10	Accolade	80	WG	0.12	oz/a	POST	A	14.0	69.5
10	FirstRate	84	WG	0.3	oz/a	POST	A		
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
10	Crop oil concentrate		L	1	% v/v	POST	A		
10	AMS		WG	17	lb/100 gal	POST	A		
11	Cadet	0.91	L	0.6	fl oz/a	POST	A	14.3	66.8
11	FirstRate	84	WG	0.3	oz/a	POST	A		
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
11	Crop oil concentrate		L	1	% v/v	POST	A		
11	AMS		WG	17	lb/100 gal	POST	A		

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code		
12	Anthem	2.15	L	6	fl oz/a	POST	A	13.9	70.1
12	Accolade	80	WG	0.12	oz/a	POST	A		
12	FirstRate	84	WG	0.3	oz/a	POST	A		
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A		
12	Crop oil concentrate		L	1	% v/v	POST	A		
12	AMS		WG	17	lb/100 gal	POST	A		
13	Anthem	2.15	L	6	fl oz/a	POST	A	14.4	64.7
13	Accolade	80	WG	0.12	oz/a	POST	A		
13	FirstRate	84	WG	0.3	oz/a	POST	A		
13	Select Max	0.97	L	12	fl oz/a	POST	A		
13	Crop oil concentrate		L	1	% v/v	POST	A		
13	AMS		WG	17	lb/100 gal	POST	A		
14	Anthem	2.15	L	6	fl oz/a	POST	A	13.6	66.2
14	Basagran	4	L	12	fl oz/a	POST	A		
14	FirstRate	84	WG	0.3	oz/a	POST	A		
14	Select Max	0.97	L	12	fl oz/a	POST	A		
14	Crop oil concentrate		L	1	% v/v	POST	A		
14	AMS		WG	17	lb/100 gal	POST	A		
LSD (P=.05)								0.71	4.68
CV								3.5	5.09

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