Impact of glyphosate-resistant horseweed treatments on sugarbeet yield II

Trial ID: SB06-15 Study Dir.: Sprague and Powell Conducted: SVREC Investigator: Christy Sprague

BEET, SUGAR

1.

BETVU

 Date Planted:
 Apr/15/2015
 Row Spacing:
 30
 IN

 Variety:
 Crystal 351NT
 No. of Reps:
 4

 Population:
 49,000 seeds/A
 % OM:
 3.0

 Soil Type:
 Clay loam
 ph:
 7.5

Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall moldboard plow; spring soil finish twice

Fertilizer: 125 lbs actual N per acre applied as urea broadcast and incorporated on April 1, 2015

### Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
2.	AMARE	PIGWEED, REDROOT	AMARANTHUS RETROFLEXUS L.
3.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
4.	POLPY	SMARTWEED, PENNSYLVANIA	POLYGONUM PENSYLVANICUM L.
5.	HIBTR	MALLOW, VENICE	HIBISCUS TRIONUM L.
Crop	Code	Common Name	
3. 4. 5.	AMBEL POLPY HIBTR	RAGWEED, COMMON SMARTWEED, PENNSYLVANIA MALLOW, VENICE	AMBROSIA ARTEMISIIFOLIA L. POLYGONUM PENSYLVANICUM L.

### Application Description

	A	В	C		
Application Timing:	2-leaf	6-leaf	canopy		
Date Treated:	May/20/2015	Jun/11/2015	Jun/24/2015		
Time Treated:	11:45 AM	11:30 AM	11:40 AM		
% Cloud Cover:	0	30	0		
Air Temp., Unit:	50 F	75 F	73 F		
<pre>% Relative Humidity:</pre>	45	52	45		
Wind Speed/Unit/Dir:	3 mph NW	1 mph W	6 mph SW		
Soil Temp., Unit:	56 F	71 F	69 F		
Soil/Leaf Surface M:	5 5	5 5	5 5		
Soil Moist (1=w 5=d):	4	4	4		

### Crop Stage at Each Application

	A	В	C
Crop Name:	BETVU	BETVU	BETVU
Height (In.):	1.5"	7"	15"
Stage (L):	2	6	8

## Weed Stage at Each Application

	A	В	C
Weed 1 Name:	CHEAL	CHEAL	CHEAL
Height (In.):	0.5-1.5"	1-4"	0.5"
Stage (L):	4-6	4-22	4
Weed 2 Name:	AMARE	AMARE	AMARE
Height (In.):	0.5-1.5"	_	_
Stage (L):	4	_	_
Weed 3 Name:	AMBEL	AMBEL	AMBEL
Height (In.):	0.5-1.5"	2 "	0.5-2"
Stage (L):	2-4	4	2-4
Weed 4 Name:	POLPY	POLPY	POLPY
Height (In.):	0.5-1.5"	2.5"	0.5-2"
Stage (L):	4-6	6	2-4
Weed 5 Name:	HIBTR	HIBTR	HIBTR
Height (In.):	=	0.5-2"	-
Stage (L):	-	cot4	_

# Weed Density (plants/sq. ft.)

	_	2	5	-
Weed Name:	CHEAL	AMARE	POLPY	HIBTR
Density:	8	3	<1	2

### Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A	Cub	3.8	AIXR	11003	23"	20"	100"	19	Water	28
В	Cub	3.8	AIXR	11003	25"	20"	100"	19	Water	28
C	Cuh	3 8	ΔΤΥΡ	11003	28"	20"	100"	19	Water	28

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Crop Rati Rati Rati Trt-E	ed Code o Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.				, ,			BETVU injury percent Jun/04/2015 15 DA-A 0	CHEAL control percent Jun/04/2015 15 DA-A 0	AMBEL control percent Jun/04/2015 15 DA-A 0	POLPY control percent Jun/04/2015 15 DA-A 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	0	95	99	99
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	0	98	99	99
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B	0	98	99	98
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B	0	95	99	98
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	0	98	99	99
666666	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 2 17 22 2	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B B	0	99	99	98
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	0	97	99	99
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	0	96	99	99
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 6-leaf 6-leaf 6-leaf	A A B B	0	95	99	99

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Crop Ratii Ratii Ratii Trt-E	ed Code o Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							BETVU injury percent Jun/04/2015 15 DA-A 0	CHEAL control percent Jun/04/2015 15 DA-A 0	AMBEL control percent Jun/04/2015 15 DA-A 0	POLPY control percent Jun/04/2015 15 DA-A 0
Trt No.	Treatment Name	Form Conc		Rate	Rate Unit	Grow Stg	Appl Code				
10 10 10 10 10	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 6 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	0	95	99	98
11 11 11 11	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 8 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	0	93	99	99
12 12 12 12 12 12 12 12 12	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3 4.5 3	SL L WG SL L WG SL L	22 2 17 22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf canopy canopy	С	0	94	99	99
13 13 13 13 13 13	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Warrant AMS	3	SL L WG SL L L	22 2 17 22 4 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B	0	96	99	99
14 14 14 14 14 14	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Dual II Magnum AMS	3	SL L WG SL L L	22 2 17 22 4 1.33 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B	0	98	99	99
15 15 15 15 15 15	Roundup PowerMax Nortron AMS Roundup PowerMax Nortron AMS	4	SL L WG SL L WG	22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	0	98	99	99
16 16 16 16 16 16 16	Roundup PowerMax Stinger Nortron AMS Roundup PowerMax Stinger Nortron AMS	3 4	SL L WG SL L WG	22 2 4 17 22 4 4 17	fl oz/a fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B B	0	96	99	99
LSD CV	(P=.05)							0.0 0.0	5.0 3.64	0.4 0.26	1.5 1.03

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Crop Rati Rati Rati Trt-l	ed Code p Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							BETVU injury percent Jun/24/2015 13 DA-B 0	CHEAL control percent Jun/24/2015 13 DA-B 0	AMBEL control percent Jun/24/2015 13 DA-B 0	POLPY control percent Jun/24/2015 13 DA-B 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	0	99	99	99
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	1	99	99	99
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	А А А В	0	99	99	99
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a	2-leaf 2-leaf 2-leaf 6-leaf	A A A B	5	95	96	96
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B	2	99	99	99
6 6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B B	3	99	99	99
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	1	99	99	99
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	1	99	99	99
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	1	99	99	98

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	ed Code Code							BETVU	CHEAL	AMBEL	POLPY
Ratii Ratii Ratii Trt-E	ng Data Type ng Unit ng Date Eval Interval absamples, Dec.							injury percent Jun/24/2015 13 DA-B	control percent Jun/24/2015 13 DA-B 0	control percent Jun/24/2015 13 DA-B 0	control percent Jun/24/2015 13 DA-B 0
	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10 10	Roundup PowerMax AMS		SL WG	22 17	fl oz/a lb/100 gal	2-leaf 2-leaf	A A	9	99	99	99
10 10 10	Roundup PowerMax Stinger AMS	4.5 3	SL L WG	22 6 17	fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	B B B				
11 11	Roundup PowerMax AMS	4.5	SL WG	22 17	fl oz/a lb/100 gal	2-leaf 2-leaf	A A	7	99	99	99
11 11 11	Roundup PowerMax Stinger AMS	4.5 3	SL L WG	22 8 17	fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	B B B				
12 12	Roundup PowerMax Stinger	4.5 3	SL L	22 2	fl oz/a fl oz/a	2-leaf 2-leaf	A A	1	98	99	99
12 12 12	AMS Roundup PowerMax Stinger	4.5 3	WG SL L	17 22 4	lb/100 gal fl oz/a fl oz/a	2-leaf 6-leaf 6-leaf	A B B				
12 12 12	AMS Roundup PowerMax Stinger	4.5 3	WG SL L	17 22 4	lb/100 gal fl oz/a fl oz/a	canopy canopy					
12 13	AMS  Roundup PowerMax	45	WG SL	17 22	lb/100 gal fl oz/a	canopy 2-leaf		5	99	99	99
13 13 13	Stinger AMS Roundup PowerMax	3	L WG SL	2 17 22	fl oz/a lb/100 gal fl oz/a	2-leaf	A A B	·			
13 13 13	Stinger Warrant AMS	3	L L WG	4 3 17	fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	B B B				
14 14	Roundup PowerMax Stinger	4.5 3	SL L	22	fl oz/a fl oz/a	2-leaf 2-leaf	A A	6	99	99	99
14 14 14	AMS Roundup PowerMax Stinger	3	WG SL L	17 22 4	lb/100 gal fl oz/a fl oz/a	2-leaf 6-leaf 6-leaf	A B B				
14 14	Dual II Magnum AMS	7.64	L WG	1.33 17	pt/a lb/100 gal	6-leaf 6-leaf	B B				
15 15 15	Roundup PowerMax Nortron AMS	4.5 4	SL L WG	22 4 17	fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf	A A A	4	99	99	99
15 15 15	Roundup PowerMax Nortron AMS	4.5 4	SL L WG	22 4 17	fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	B B B				
16 16	Roundup PowerMax Stinger	4.5 3	SL L	22 2	fl oz/a fl oz/a	2-leaf 2-leaf	A A	1	99	99	99
16 16 16	Nortron AMS Roundup PowerMax	4	L WG SL	4 17 22	fl oz/a lb/100 gal fl oz/a	2-leaf	A A B				
16 16 16	Stinger Nortron AMS	3	L L WG	4 4 17	fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	B B B				
	(P=.05)					3.001		5.6 138.92	2.7 1.91	2.0 1.44	2.6 1.85

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	ed Code o Code							BETVU	CHEAL	POLPY	BETVU	CHEAL
Rati Rati Rati Trt-E	ng Data Type ng Unit ng Date Eval Interval ibsamples, Dec.							injury percent Jul/09/2015 15 DA-C 0	control percent Jul/09/2015 15 DA-C 0	control percent Jul/09/2015 15 DA-C 0	injury percent Aug/13/2015 50 DA-C	control percent Aug/13/2015 50 DA-C 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	1	99	99	0	96
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	3	99	99	0	94
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	3	99	99	0	96
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	0	97	99	0	96
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	3	99	99	0	98
6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	4	99	99	0	99
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B B	4	99	99	0	97
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B B	0	99	99	0	99
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	3	99	99	0	98

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	ed Code								CHEAL	POLPY		CHEAL
Ratii Ratii Ratii Trt-E	o Code ng Data Type ng Unit ng Date Eval Interval ıbsamples, Dec.							BETVU injury percent Jul/09/2015 15 DA-C 0	control percent Jul/09/2015 15 DA-C 0	control percent Jul/09/2015 15 DA-C 0	BETVU injury percent Aug/13/2015 50 DA-C 0	control percent Aug/13/2015 50 DA-C 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
10 10 10 10	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 6 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	4	99	99	0	97
11 11 11 11	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 8 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	5	99	99	0	98
12 12 12 12 12 12 12 12 12	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3 4.5 3	SL L WG SL L WG SL L	22 2 17 22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf canopy canopy	С	5	99	99	0	99
13 13 13 13 13 13 13	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Warrant AMS	3	SL L WG SL L L	22 2 17 22 4 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B	0	98	99	0	91
14 14 14 14 14 14	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Dual II Magnum AMS	3	SL L WG SL L L	22 2 17 22 4 1.33	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B	0	99	99	0	99
15 15 15 15 15 15	Roundup PowerMax Nortron AMS Roundup PowerMax Nortron AMS	4	SL L WG SL L WG	22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	1	99	99	0	97
16 16 16 16 16 16 16	Roundup PowerMax Stinger Nortron AMS Roundup PowerMax Stinger Nortron AMS	3 4	SL L WG SL L WG	22 2 4 17 22 4 4 17	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B B	3	99	99	0	97
LSD CV	(P=.05)							5.4 162.19	1.7 1.22	0.0 0.0	0.0 0.0	4.5 3.21

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Crop Rati Rati Rati Trt-l	ed Code o Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							AMARE control percent Aug/13/2015 50 DA-C	POLPY control percent Aug/13/2015 50 DA-C 0	Control percent Aug/13/2015 50 DA-C 0	BETVU injury percent Sep/14/2015 82 DA-C 0
Trt	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code	-	-		
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 6-leaf 6-leaf	A A B B	98	99	96	0
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	99	99	99	0
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	99	98	95	0
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	96	98	96	0
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	99	99	99	0
6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B B	96	99	99	0
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	99	99	99	0
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	99	99	98	0
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	99	99	98	0

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	ed Code							AMARE	POLPY	HIBTR	DET:
Ratii Ratii Ratii Trt-E	o Code ng Data Type ng Unit ng Date Eval Interval ıbsamples, Dec.							control percent Aug/13/2015 50 DA-C 0	control percent Aug/13/2015 50 DA-C 0	control percent Aug/13/2015 50 DA-C 0	BETVU injury percent Sep/14/2015 82 DA-C 0
	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10 10 10 10	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 6 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	99	98	99	0
11 11 11 11	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 8 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	99	99	99	0
12 12 12 12 12 12 12 12 12	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3 4.5 3	SL L WG SL L WG SL L	22 2 17 22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf canopy canopy	С	99	99	99	0
13 13 13 13 13 13	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Warrant AMS	3	SL L WG SL L WG	22 2 17 22 4 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B	99	99	99	0
14 14 14 14 14 14	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Dual II Magnum AMS	3	SL L WG SL L L	22 2 17 22 4 1.33 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B B	99	99	99	0
15 15 15 15 15 15	Roundup PowerMax Nortron AMS Roundup PowerMax Nortron AMS	4	SL L WG SL L WG	22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	99	99	99	0
16 16 16 16 16 16 16	Roundup PowerMax Stinger Nortron AMS Roundup PowerMax Stinger Nortron AMS	3 4	SL L WG SL L WG	22 2 4 17 22 4 4 17	fl oz/a fl oz/a fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B B	99	98	99	0
LSD CV	(P=.05)							2.9 2.05	1.3 0.94	4.5 3.18	0.0

Impact of glyphosate-resistant horseweed treatments on sugarbeet yield II

Trial ID: SB06-15 Study Dir.: Sprague and Powell Conducted: SVREC Investigator: Christy Sprague

	ed Code o Code							CHEAL	AMARE	POLPY	HIBTR
Rati Rati Rati Trt-l	ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	92	98	99	91
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	93	97	97	99
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	95	98	98	94
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	97	94	95	91
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	96	99	98	99
6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A A B B	98	96	96	99
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	98	99	99	98
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	98	98	99	93
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	99	99	99	99

Trial ID: SB06-15 Conducted: SVREC Study Dir.: Sprague and Powell Investigator: Christy Sprague

	ed Code o Code							CHEAL	AMARE	POLPY	HIBTR
Rati Rati Rati Trt-l	ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0	control percent Sep/14/2015 82 DA-C 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10 10 10 10 10	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 6 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	95	98	98	99
11 11 11 11	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 8 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	98	98	99	99
12 12 12 12 12 12 12 12 12	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3 4.5 3	SL L WG SL L WG SL L	22 2 17 22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf canopy canopy	С	98	99	99	99
13 13 13 13 13 13	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Warrant AMS	3	SL L WG SL L WG	22 2 17 22 4 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf 6-leaf	A A B B B	95	98	97	94
14 14 14 14 14 14	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Dual II Magnum AMS	3	SL L WG SL L L	22 2 17 22 4 1.33 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A B B B B	99	99	98	99
15 15 15 15 15 15	Roundup PowerMax Nortron AMS Roundup PowerMax Nortron AMS	4	SL L WG SL L WG	22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	96	99	99	98
16 16 16 16 16 16 16	Roundup PowerMax Stinger Nortron AMS Roundup PowerMax Stinger Nortron AMS	3 4	SL L WG SL L WG	22 2 4 17 22 4 4 17	fl oz/a fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B B	93	97	98	95
LSC	0 (P=.05)							4.9 3.56	4.4 3.17	3.6 2.56	6.9 5.0

Trial ID: SB06-15 Conducted: SVREC Study Dir.: Sprague and Powell Investigator: Christy Sprague

Crop Rati Rati Rati Trt-l	ed Code o Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							BETVU stand count 100' row Sep/15/2015 83 DA-C 0	BETVU % sugar Sep/15/2015 83 DA-C 1	BETVU yield ton/acre Sep/15/2015 83 DA-C 1	BETVU RWST # / ton Sep/15/2015 83 DA-C 0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	2-leaf 2-leaf 6-leaf 6-leaf	A A B B	168	17.1	21.5	256
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	154	17.0	21.0	254
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	168	17.7	23.7	266
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	177	17.2	26.0	258
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B	184	17.0	24.4	254
6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf	A A B B B	188	17.0	24.2	253
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	183	17.3	23.2	260
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	168	17.5	23.4	263
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	171	17.2	27.6	257

Trial ID: SB06-15 Conducted: SVREC Study Dir.: Sprague and Powell Investigator: Christy Sprague

Crop Rati Rati Rati Trt-E	ed Code o Code ng Data Type ng Unit ng Date Eval Interval ubsamples, Dec.							BETVU stand count 100' row Sep/15/2015 83 DA-C 0	BETVU % sugar Sep/15/2015 83 DA-C 1	BETVU yield ton/acre Sep/15/2015 83 DA-C 1	BETVU RWST # / ton Sep/15/2015 83 DA-C
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10 10 10 10 10	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 6 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	172	17.0	22.4	253
11 11 11 11	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 8 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	174	17.3	22.6	259
12 12 12 12 12 12 12 12 12 12	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3 4.5 3	SL L WG SL L WG SL L	22 2 17 22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf canopy canopy	С	190	17.4	21.0	260
13 13 13 13 13 13	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Warrant AMS	3	SL L WG SL L WG	22 2 17 22 4 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	2-leaf 2-leaf 2-leaf 6-leaf 6-leaf 6-leaf	A A A B B B	165	17.3	25.0	259
14 14 14 14 14 14	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger Dual II Magnum AMS	3	SL L WG SL L WG	22 2 17 22 4 1.33 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a pt/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B	152	16.8	22.0	251
15 15 15 15 15 15	Roundup PowerMax Nortron AMS Roundup PowerMax Nortron AMS	4	SL L WG SL L WG	22 4 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	180	17.3	20.5	261
16 16 16 16 16 16	Roundup PowerMax Stinger Nortron AMS Roundup PowerMax Stinger Nortron AMS	3 4	SL L WG SL L WG	22 4 17 22 4 4 17	fl oz/a fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf 6-leaf	A A A B B B B	181	17.4	21.9	262
LSD CV	(P=.05)							25.4 10.23	0.96 3.9	6.64 20.05	17.3 4.69

Impact of glyphosate-resistant horseweed treatments on sugarbeet yield II

Trial ID: SB06-15 Study Dir.: Sprague and Powell Conducted: SVREC Investigator: Christy Sprague

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

BETVU RWSA # / acre Sep/15/2015 83 DA-C

# St	ıbsamples, Dec.							0
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code	
1 1 1	Roundup PowerMax AMS Roundup PowerMax AMS		SL WG SL WG	22 17 22 17	fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	5547
2 2 2 2 2	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 2 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A A B B	5274
3 3 3 3	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 3 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	6296
4 4 4 4	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 4 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	6700
5 5 5 5 5	Roundup PowerMax Stinger AMS Roundup PowerMax AMS	3	SL L WG SL WG	22 6 17 22 17	fl oz/a fl oz/a lb/100 gal fl oz/a lb/100 gal	6-leaf	A A B B	6236
6 6 6 6 6	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L	22 2 17 22 2 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	6086
7 7 7 7 7	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 3 17 22 3 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A A B B	6384
8 8 8 8 8	Roundup PowerMax Stinger AMS Roundup PowerMax Stinger AMS	3	SL L WG SL L WG	22 2 17 22 4 17	fl oz/a fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B B	6130
9 9 9 9	Roundup PowerMax AMS Roundup PowerMax Stinger AMS		SL WG SL L WG	22 17 22 4 17	fl oz/a lb/100 gal fl oz/a fl oz/a lb/100 gal	6-leaf 6-leaf	A A B B	7080

Impact of glyphosate-resistant horseweed treatments on sugarbeet yield II

Study Dir.: Sprague and Powell Investigator: Christy Sprague Trial ID: SB06-15 Conducted: SVREC

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

BETVU RWSA # / acre Sep/15/2015 83 DA-C 0

	_	_	_					
Trt	Treatment		Form	_	Rate	Grow	Appl	
No.	Name	Conc	Type	Rate	Unit	Stg	Code	
10	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	A	5662
10	AMS	4.5	WG	17	lb/100 gal	2-leaf	A	
10	Roundup PowerMax		SL	22 6	fl oz/a	6-leaf	В	
10 10	Stinger AMS	3	L WG	o 17	fl oz/a lb/100 gal	6-leaf	B B	
10	AIVIO		WG	17	ib/ 100 gai	0-leal	ь	
11	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	5845
11	AMS		WG	17	lb/100 gal	2-leaf	Α	
11	Roundup PowerMax	4.5	SL	22	fl oz/a	6-leaf	В	
11	Stinger	3	L	8	fl oz/a	6-leaf	В	
11	AMS		WG	17	lb/100 gal	6-leaf	В	
12	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	5459
12	Stinger	3	L	2	fl oz/a	2-leaf	A	0.100
12	AMS	_	WG	_ 17	lb/100 gal	2-leaf	Α	
12	Roundup PowerMax	4.5	SL	22	fl oz/a	6-leaf	В	
12	Stinger	3	L	4	fl oz/a	6-leaf	В	
12	AMS		WG	17		6-leaf	В	
12	Roundup PowerMax		SL	22	fl oz/a	canopy		
12	Stinger	3	L	4	fl oz/a	canopy		
12	AMS		WG	17	lb/100 gal	canopy	C	
13	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	6485
13	Stinger	3	Ĺ	2	fl oz/a	2-leaf	Α	
13	AMŠ		WG	17	lb/100 gal	2-leaf	Α	
13	Roundup PowerMax		SL	22	fl oz/a	6-leaf	В	
13	Stinger	3	L	4	fl oz/a	6-leaf	В	
13	Warrant	3	L	3	pt/a	6-leaf	В	
13	AMS		WG	17	lb/100 gal	6-leaf	В	
14	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	5499
14	Stinger	3	L	2	fl oz/a	2-leaf	Α	
14	AMS		WG	17	lb/100 gal	2-leaf	Α	
14	Roundup PowerMax	4.5	SL	22	fl oz/a	6-leaf	В	
14	Stinger	3	Ļ	4	fl oz/a	6-leaf	В	
14	Dual II Magnum	7.64	L	1.33	pt/a	6-leaf	В	
14	AMS		WG	17	lb/100 gal	6-lear	В	
15	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	5329
15	Nortron	4	L	4	fl oz/a	2-leaf	Α	
15	AMS		WG	17	lb/100 gal	2-leaf	Α	
15	Roundup PowerMax		SL	22	fl oz/a	6-leaf	В	
15	Nortron	4	L	4	fl oz/a	6-leaf	В	
15	AMS		WG	17	lb/100 gal	o-leat	В	
16	Roundup PowerMax	4.5	SL	22	fl oz/a	2-leaf	Α	5721
16	Stinger	3	Ĺ	2	fl oz/a	2-leaf	Α	
16	Nortron	4	L	4	fl oz/a	2-leaf	Α	
16	AMS		WG	17	lb/100 gal	2-leaf	Α	
16	Roundup PowerMax		SL	22	fl oz/a	6-leaf	В	
16	Stinger	3	L	4	fl oz/a	6-leaf	В	
16 16	Nortron	4	L WG	4	fl oz/a	6-leaf	В	
16	AMS		WG	17	lb/100 gal	o-ieai	В	

LSD (P=.05)

1614.8 18.89