

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25 Study Dir.: Stiles, Sprague
 Conducted: SVREC Investigator: Christy Sprague

Planting Date: Apr-24-2025 **Row Spacing:** 30 IN
Variety: Crystal G229 **No. of Reps:** 4
Population: 4.25 " spacing **% OM:** 2.3
Soil Type: CL clay loam **pH:** 7.6
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel; spring high speed disk. 125 lb/A of actual Nwas applied as urea prior to planting.

Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarters	Chenopodium album
Crop	Code	Common Name	
1	BETVU	Sugarbeet	

Application Description

	A	B	C	D
Application Timing:	PRE	2 lf	6-8 lf	12 lf
Date Treated:	Apr-24-2025	May-27-2025	Jun-12-2025	Jun-26-2025
Time Treated:	3:20 PM	1:20 PM	4:15 PM	11:45 AM
% Cloud Cover:	10	75	95	77
Air Temp., Unit:	76 F	73 F	72 F	73 F
% Relative Humidity:	42	34	48	82
Wind Speed/Unit/Dir:	3 MPH E	9 MPH E	7 MPH NE	5 MPH NNE
Soil Temp, Unit:	70 F	85 F	82 F	90 F
Leaf Moist/Dew Presence (Y/N):	N	N	N	N
Soil Moist:	2	5	5	2

Crop Stage at Each Application

	A	B	C	D
Crop 1 Name:	BETVU	BETVU	BETVU	BETVU
Height:		1-3 " (2)	6-10 " (8)	12-14 " (13)
Stage:		2 lf	6-8 lf	12 lf

Weed Stage at Each Application

	A	B	C	D
Weed 1 Name:	CHEAL	CHEAL	CHEAL	CHEAL
Height:		2 "	6 "	24 "
Stage:		6-8	10-15	20+

Weed Density

Date: 1 Jun-12-2025
Weed Name: CHEAL
Density: 2 ft2

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.5 MPH	AIXR	11003	16.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
C	CUB	3.8 MPH	AIXR	11003	18.0 "	20.0 "	120.0 "	19 GAL/AC	WATER	30 PSI
D	CUB	3.8 MPH	AIXR	11003	30.0 "	20.0 "	120.0 "	19 GAL/AC	WATER	30 PSI

Comments:

Michigan State University

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Rating Date					May-27-2025	Jun-12-2025	Jun-12-2025	Jun-26-2025	Jun-26-2025	Jul-3-2025
Rating Type					injury	injury	control	injury	control	injury
Rating Unit					%	%	%	%	%	%
Crop Type, Code					C, BETVU	C, BETVU		C, BETVU		C, BETVU
Pest Code							CHEAL		CHEAL	
Treatment Appl. Interval					33 DA-A	16 DA-B	16 DA-B	14 DA-C	14 DA-C	7 DA-D
Number of Decimals					0	0	0	0	0	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
1	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	0
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
2	AMS	17 lb/100 gal	D	12 leaf	0	0	100	0	100	0
	Ethofumesate	3 pt/a	A	PRE						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
3	Roundup PowerMax 3	20 fl oz/a	D	12 leaf	1	0	100	0	100	0
	AMS	17 lb/100 gal	D	12 leaf						
	Dual Magnum	0.5 pt/a	A	PRE						
	Ethofumesate	3 pt/a	A	PRE						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
4	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf	0	0	100	0	100	0
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
	Goltix	64 fl oz/a	A	PRE						
	Ethofumesate	2.5 pt/a	A	PRE						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
5	AMS	17 lb/100 gal	B	2 leaf	0	0	100	0	100	9
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
	Ethofumesate	6 fl oz/a	B	2 leaf						
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

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Investigator: Christy Sprague

Rating Date					May-27-2025	Jun-12-2025	Jun-12-2025	Jun-26-2025	Jun-26-2025	Jul-3-2025
Rating Type					injury	injury	control	injury	control	injury
Rating Unit					%	%	%	%	%	%
Crop Type, Code					C, BETVU	C, BETVU		C, BETVU		C, BETVU
Pest Code							CHEAL		CHEAL	
Treatment Appl. Interval					33 DA-A	16 DA-B	16 DA-B	14 DA-C	14 DA-C	7 DA-D
Number of Decimals					0	0	0	0	0	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
6	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	0
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
7	Ethofumesate	3 pt/a	A	PRE	0	0	100	0	100	0
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
8	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	0
	Ethofumesate	3 pt/a	A	PRE						
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
AMS	17 lb/100 gal	D	12 leaf							
9	Untreated				0	0	0	0	0	0
10	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	0
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
AMS	17 lb/100 gal	D	12 leaf							

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Investigator: Christy Sprague

Rating Date					May-27-2025	Jun-12-2025	Jun-12-2025	Jun-26-2025	Jun-26-2025	Jul-3-2025
Rating Type					injury	injury	control	injury	control	injury
Rating Unit					%	%	%	%	%	%
Crop Type, Code					C, BETVU	C, BETVU		C, BETVU		C, BETVU
Pest Code							CHEAL		CHEAL	
Treatment Appl. Interval					33 DA-A	16 DA-B	16 DA-B	14 DA-C	14 DA-C	7 DA-D
Number of Decimals					0	0	0	0	0	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
11	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	0
	Outlook	12 fl oz/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Outlook	12 fl oz/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
12	Dual Magnum	0.5 pt/a	A	PRE	1	0	100	1	100	0
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
13	Dual Magnum	0.5 pt/a	A	PRE	3	0	100	0	100	10
	Ethofumesate	3 pt/a	A	PRE						
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
14	Dual Magnum	0.5 pt/a	A	PRE	1	0	100	0	100	0
	Ethofumesate	3 pt/a	A	PRE						
	Outlook	12 fl oz/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Outlook	12 fl oz/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
15	Dual Magnum	0.5 pt/a	A	PRE	1	0	100	3	100	0
	Ethofumesate	3 pt/a	A	PRE						
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
16	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	1	0	100	0	100	0
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						

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Rating Date					May-27-2025	Jun-12-2025	Jun-12-2025	Jun-26-2025	Jun-26-2025	Jul-3-2025
Rating Type					injury	injury	control	injury	control	injury
Rating Unit					%	%	%	%	%	%
Crop Type, Code					C, BETVU	C, BETVU		C, BETVU		C, BETVU
Pest Code							CHEAL		CHEAL	
Treatment Appl. Interval					33 DA-A	16 DA-B	16 DA-B	14 DA-C	14 DA-C	7 DA-D
Number of Decimals					0	0	0	0	0	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
17	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	13	100	21
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
18	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	9	100	29
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	1 pt/a	C	6-8 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
19	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	38
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Ultra Blazer	1 pt/a	D	12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
20	Dual Magnum	0.5 pt/a	A	PRE	0	0	100	0	100	37
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Ultra Blazer	1 pt/a	D	12 leaf						
	Warrant	3 pt/a	D	12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
LSD P=.05					1.7	.	.	1.7	.	2.2
Standard Deviation					1.2	0.0	0.0	1.2	0.0	1.6
CV					282.7	0.0	0.0	90.4	0.0	21.89

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Rating Date					Jul-15-2025	Jul-15-2025	Jul-15-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025
Rating Type					injury	control	control	stand count	sugar	RWST
Rating Unit					%	%	%	100' ROW	%	lb/ton
Crop Type, Code					C, BETVU			C, BETVU	C, BETVU	C, BETVU
Pest Code						CHEAL	AMAPO			
Treatment Appl. Interval					19 DA-D	19 DA-D	19 DA-D	95 DA-D	95 DA-D	95 DA-D
Number of Decimals					0	0	0	0	1	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
1	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	205	15.8	264
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
2	Ethofumesate	3 pt/a	A	PRE	0	100	100	198	16.3	281
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
3	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	205	17.2	302
	Ethofumesate	3 pt/a	A	PRE						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
4	Goltix	64 fl oz/a	A	PRE	0	100	100	202	16.8	292
	Ethofumesate	2.5 pt/a	A	PRE						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1.3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
5	Ethofumesate	6 fl oz/a	B	2 leaf	0	100	100	217	15.7	272
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						

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Rating Type					injury	control	control	stand count	sugar	RWST
Rating Unit					%	%	%	100' ROW	%	lb/ton
Crop Type, Code					C, BETVU			C, BETVU	C, BETVU	C, BETVU
Pest Code						CHEAL	AMAPO			
Treatment Appl. Interval					19 DA-D	19 DA-D	19 DA-D	95 DA-D	95 DA-D	95 DA-D
Number of Decimals					0	0	0	0	1	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
6	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	203	15.7	265
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
7	Ethofumesate	3 pt/a	A	PRE	0	100	100	234	17.1	305
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
8	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	212	16.9	297
	Ethofumesate	3 pt/a	A	PRE						
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	Destiny HC	1.5 pt/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ethofumesate	6 fl oz/a	C	6-8 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	Destiny HC	1.5 pt/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
9	Untreated				0	0	0	204	14.6	255
10	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	192	17.0	295
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date					Jul-15-2025	Jul-15-2025	Jul-15-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025
Rating Type					injury	control	control	stand count	sugar	RWST
Rating Unit					%	%	%	100' ROW	%	lb/ton
Crop Type, Code					C, BETVU			C, BETVU	C, BETVU	C, BETVU
Pest Code						CHEAL	AMAPO			
Treatment Appl. Interval					19 DA-D	19 DA-D	19 DA-D	95 DA-D	95 DA-D	95 DA-D
Number of Decimals					0	0	0	0	1	0
Trt No.	Treatment Name	Rate	Appl	Appl						
		Rate Unit	Code	Timing						
11	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	193	16.7	284
	Outlook	12 fl oz/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Outlook	12 fl oz/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
12	Dual Magnum	0.5 pt/a	A	PRE	2	100	100	210	16.5	279
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
13	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	188	15.1	255
	Ethofumesate	3 pt/a	A	PRE						
	Dual Magnum	1 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Dual Magnum	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
14	Dual Magnum	0.5 pt/a	A	PRE	0	100	100	191	16.2	276
	Ethofumesate	3 pt/a	A	PRE						
	Outlook	12 fl oz/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Outlook	12 fl oz/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
15	Dual Magnum	0.5 pt/a	A	PRE	2	100	100	204	16.1	283
	Ethofumesate	3 pt/a	A	PRE						
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
16	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	0	100	100	192	16.0	275
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date					Jul-15-2025	Jul-15-2025	Jul-15-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025
Rating Type					injury	control	control	stand count	sugar	RWST
Rating Unit					%	%	%	100' ROW	%	lb/ton
Crop Type, Code					C, BETVU			C, BETVU	C, BETVU	C, BETVU
Pest Code						CHEAL	AMAPO			
Treatment Appl. Interval					19 DA-D	19 DA-D	19 DA-D	95 DA-D	95 DA-D	95 DA-D
Number of Decimals					0	0	0	0	1	0
Trt	Treatment	Rate	Appl	Appl						
No.	Name	Rate Unit	Code	Timing						
17	Dual Magnum	0.5 pt/a	A	PRE	5	100	100	194	14.7	241
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	1 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
18	Dual Magnum	0.5 pt/a	A	PRE	4	100	100	188	15.9	268
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	1 pt/a	C	6-8 leaf						
	Warrant	3 pt/a	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
19	Dual Magnum	0.5 pt/a	A	PRE	17	100	100	200	15.6	267
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Ultra Blazer	1 pt/a	D	12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
20	Dual Magnum	0.5 pt/a	A	PRE	7	100	100	211	17.2	302
	Warrant	3 pt/a	B	2 leaf						
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf						
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf						
	AMS	17 lb/100 gal	C	6-8 leaf						
	Ultra Blazer	1 pt/a	D	12 leaf						
	Warrant	3 pt/a	D	12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf						
	AMS	17 lb/100 gal	D	12 leaf						
LSD P=.05					1.0	.	.	29.0	1.41	34.9
Standard Deviation					0.7	0.0	0.0	20.4	1.00	24.6
CV					39.34	0.0	0.0	10.1	6.16	8.85

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

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Mean separation letters are 'na' (not applicable) when error variance is 0

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Sep-29-2025	Sep-29-2025
Rating Type	yield	RWSA
Rating Unit	ton/A	lb/A
Crop Type, Code	C, BETVU	C, BETVU
Pest Code		
Treatment Appl. Interval	95 DA-D	95 DA-D
Number of Decimals	1	0

Trt	Treatment	Rate	Appl	Appl		
No.	Name	Rate Unit	Code	Timing		
1	Dual Magnum	0.5 pt/a	A	PRE	31.1	8201
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Dual Magnum	1.3 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
2	Ethofumesate	3 pt/a	A	PRE	31.4	8827
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Dual Magnum	1.3 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
3	Dual Magnum	0.5 pt/a	A	PRE	32.7	9885
	Ethofumesate	3 pt/a	A	PRE		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Dual Magnum	1.3 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
4	Goltix	64 fl oz/a	A	PRE	33.5	9810
	Ethofumesate	2.5 pt/a	A	PRE		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Dual Magnum	1.3 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
5	Ethofumesate	6 fl oz/a	B	2 leaf	30.8	8369
	Dual Magnum	1 pt/a	B	2 leaf		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	Destiny HC	1.5 pt/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Ethofumesate	6 fl oz/a	C	6-8 leaf		
	Dual Magnum	1 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	Destiny HC	1.5 pt/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Sep-29-2025	Sep-29-2025
Rating Type	yield	RWSA
Rating Unit	ton/A	lb/A
Crop Type, Code	C, BETVU	C, BETVU
Pest Code		
Treatment Appl. Interval	95 DA-D	95 DA-D
Number of Decimals	1	0

Trt	Treatment	Rate	Appl	Appl		
No.	Name	Rate Unit	Code	Timing		
6	Dual Magnum	0.5 pt/a	A	PRE	30.5	8131
	Dual Magnum	1 pt/a	B	2 leaf		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	Destiny HC	1.5 pt/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Ethofumesate	6 fl oz/a	C	6-8 leaf		
	Dual Magnum	1 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	Destiny HC	1.5 pt/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
7	Ethofumesate	3 pt/a	A	PRE	33.4	10191
	Dual Magnum	1 pt/a	B	2 leaf		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	Destiny HC	1.5 pt/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Ethofumesate	6 fl oz/a	C	6-8 leaf		
	Dual Magnum	1 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	Destiny HC	1.5 pt/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
8	Dual Magnum	0.5 pt/a	A	PRE	33.3	9876
	Ethofumesate	3 pt/a	A	PRE		
	Dual Magnum	1 pt/a	B	2 leaf		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	Destiny HC	1.5 pt/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Ethofumesate	6 fl oz/a	C	6-8 leaf		
	Dual Magnum	1 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	Destiny HC	1.5 pt/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		
9	Untreated				26.7	6792
10	Dual Magnum	0.5 pt/a	A	PRE	28.5	8380
	Dual Magnum	1 pt/a	B	2 leaf		
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		
	AMS	17 lb/100 gal	B	2 leaf		
	Dual Magnum	1 pt/a	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf		
	AMS	17 lb/100 gal	C	6-8 leaf		
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf		
	AMS	17 lb/100 gal	D	12 leaf		

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Sep-29-2025	Sep-29-2025
Rating Type	yield	RWSA
Rating Unit	ton/A	lb/A
Crop Type, Code	C, BETVU	C, BETVU
Pest Code		
Treatment Appl. Interval	95 DA-D	95 DA-D
Number of Decimals	1	0

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing		
11	Dual Magnum	0.5 pt/a	A	PRE		32.7	9316
	Outlook	12 fl oz/a	B	2 leaf			
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf			
	AMS	17 lb/100 gal	B	2 leaf			
	Outlook	12 fl oz/a	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			
12	Dual Magnum	0.5 pt/a	A	PRE		31.5	8790
	Warrant	3 pt/a	B	2 leaf			
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf			
	AMS	17 lb/100 gal	B	2 leaf			
	Warrant	3 pt/a	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			
13	Dual Magnum	0.5 pt/a	A	PRE		31.6	8041
	Ethofumesate	3 pt/a	A	PRE			
	Dual Magnum	1 pt/a	B	2 leaf			
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf			
	AMS	17 lb/100 gal	B	2 leaf			
	Dual Magnum	1 pt/a	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			
14	Dual Magnum	0.5 pt/a	A	PRE		34.1	9425
	Ethofumesate	3 pt/a	A	PRE			
	Outlook	12 fl oz/a	B	2 leaf			
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf			
	AMS	17 lb/100 gal	B	2 leaf			
	Outlook	12 fl oz/a	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			
15	Dual Magnum	0.5 pt/a	A	PRE		33.1	9339
	Ethofumesate	3 pt/a	A	PRE			
	Warrant	3 pt/a	B	2 leaf			
	Roundup PowerMax 3	30 fl oz/a	B	2 leaf			
	AMS	17 lb/100 gal	B	2 leaf			
	Warrant	3 pt/a	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			
16	Roundup PowerMax 3	30 fl oz/a	B	2 leaf		36.3	10040
	AMS	17 lb/100 gal	B	2 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6-8 leaf			
	AMS	17 lb/100 gal	C	6-8 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	12 leaf			
	AMS	17 lb/100 gal	D	12 leaf			

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Sugarbeet tolerance to residual herbicide strategies for weed control

Trial ID: SB01-25

Protocol ID: SB01-25 Location: SVREC Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date					Sep-29-2025	Sep-29-2025
Rating Type					yield	RWSA
Rating Unit					ton/A	lb/A
Crop Type, Code					C, BETVU	C, BETVU
Pest Code						
Treatment Appl. Interval					95 DA-D	95 DA-D
Number of Decimals					1	0
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing	
17	Dual Magnum	0.5	pt/a	A	PRE	25.6
	Warrant	3	pt/a	B	2 leaf	6229
	Roundup PowerMax 3	30	fl oz/a	B	2 leaf	
	AMS	17	lb/100 gal	B	2 leaf	
	Ultra Blazer	1	pt/a	C	6-8 leaf	
	Roundup PowerMax 3	20	fl oz/a	C	6-8 leaf	
	AMS	17	lb/100 gal	C	6-8 leaf	
	Roundup PowerMax 3	20	fl oz/a	D	12 leaf	
	AMS	17	lb/100 gal	D	12 leaf	
18	Dual Magnum	0.5	pt/a	A	PRE	27.8
	Warrant	3	pt/a	B	2 leaf	7472
	Roundup PowerMax 3	30	fl oz/a	B	2 leaf	
	AMS	17	lb/100 gal	B	2 leaf	
	Ultra Blazer	1	pt/a	C	6-8 leaf	
	Warrant	3	pt/a	C	6-8 leaf	
	Roundup PowerMax 3	20	fl oz/a	C	6-8 leaf	
	AMS	17	lb/100 gal	C	6-8 leaf	
	Roundup PowerMax 3	20	fl oz/a	D	12 leaf	
	AMS	17	lb/100 gal	D	12 leaf	
19	Dual Magnum	0.5	pt/a	A	PRE	28.6
	Warrant	3	pt/a	B	2 leaf	7648
	Roundup PowerMax 3	30	fl oz/a	B	2 leaf	
	AMS	17	lb/100 gal	B	2 leaf	
	Roundup PowerMax 3	20	fl oz/a	C	6-8 leaf	
	AMS	17	lb/100 gal	C	6-8 leaf	
	Ultra Blazer	1	pt/a	D	12 leaf	
	Roundup PowerMax 3	20	fl oz/a	D	12 leaf	
	AMS	17	lb/100 gal	D	12 leaf	
20	Dual Magnum	0.5	pt/a	A	PRE	30.1
	Warrant	3	pt/a	B	2 leaf	9080
	Roundup PowerMax 3	30	fl oz/a	B	2 leaf	
	AMS	17	lb/100 gal	B	2 leaf	
	Roundup PowerMax 3	20	fl oz/a	C	6-8 leaf	
	AMS	17	lb/100 gal	C	6-8 leaf	
	Ultra Blazer	1	pt/a	D	12 leaf	
	Warrant	3	pt/a	D	12 leaf	
	Roundup PowerMax 3	20	fl oz/a	D	12 leaf	
	AMS	17	lb/100 gal	D	12 leaf	
LSD P=.05					3.94	1572.0
Standard Deviation					2.78	1107.9
CV					8.9	12.75

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,5,8,9 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0