

**Sugarbeet tolerance to Ultra Blazer alone and tank-mixed with Warrant**

Trial ID: SB01-24 Study Dir.: Stiles, Sprague  
 Conducted: SVREC Investigator: Christy Sprague

**Planting Date:** Apr-16-2024 **Row Spacing:** 30 IN  
**Variety:** Crystal G049 **No. of Reps:** 4  
**Population:** 4.375 " spacing **% OM:** 2.3  
**Soil Type:** CL clay loam **pH:** 7.5  
**Plot Size:** 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall high speed disk (Joker); spring soil finish.125 lb/A of actual N was 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
<b>Application Timing:</b>	PRE	2-LEAF	6-LEAF	10-12 LEAF
<b>Date Treated:</b>	Apr-22-2024	May-16-2024	May-30-2024	Jun-12-2024
<b>Time Treated:</b>	11:00 AM	12:45 PM	1:15 PM	10:45 AM
<b>% Cloud Cover:</b>	15	15	0	5
<b>Air Temp., Unit:</b>	51 F	72 F	67 F	72 F
<b>% Relative Humidity:</b>	42	49	31	48
<b>Wind Speed/Unit/Dir:</b>	9 MPH S	4 MPH WSW	6 MPH NE	8 MPH NE
<b>Soil Temp, Unit:</b>	53 F	79 F	72 F	72 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Moist:</b>	5	5	5	5

**Crop Stage at Each Application**

	A	B	C	D
<b>Crop 1 Name:</b>	BETVU	BETVU	BETVU	BETVU
<b>Height:</b>		1-3 " (2)	5-8 " (7)	10-12 " (11)
<b>Stage:</b>		2L	6-8L	10-12L

**Weed Stage at Each Application**

	A	B	C	D
<b>Weed 1 Name:</b>	CHEAL	CHEAL	CHEAL	CHEAL
<b>Height:</b>		1-3 " (2)	2-4 " (3)	2-4 " (3)
<b>Stage:</b>		4-6L	6-10L	6-10L

**Weed Density**

**1**  
**Date:** May-16-2024  
**Weed Name:** CHEAL  
**Density:** 3 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	3.8 MPH	AIXR	11003	20.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	20.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
C	CUB	3.8 MPH	AIXR	11003	24.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
D	CUB	3.8 MPH	AIXR	11003	26.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

**Comments:**

Michigan State University

Sugarbeet tolerance to Ultra Blazer alone and tank-mixed with Warrant

Trial ID: SB01-24

Protocol ID: SB01-24 Location: SVREC Trial Year: 2024

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-6-2024	Jun-6-2024	Jun-13-2024	Jun-13-2024	Jun-20-2024	Jun-20-2024
Rating Type	injury	control	injury	control	injury	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, BETVU		C, BETVU		C, BETVU	
Pest Code	CHEAL		CHEAL		CHEAL	
Trt-Eval Interval	7 DA-C	7 DA-C	14 DA-C	14 DA-C	8 DA-D	8 DA-D
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	Jun-6-2024 injury %	Jun-6-2024 control %	Jun-13-2024 injury %	Jun-13-2024 control %	Jun-20-2024 injury %	Jun-20-2024 control %
1	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	0	100	2	100	0	100
		17 lb/100 gal	B	2 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
		17 lb/100 gal	C	6 leaf							
2	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf	25	100	25	100	4	100
		17 lb/100 gal	D	10-12 leaf							
	Dual Magnum	0.5 pt/a	A	PRE							
	Roundup PowerMax 3 AMS	30 fl oz/a	B	2 leaf							
3	Ultra Blazer	16 fl oz/a		C	6 leaf	24	100	25	100	6	100
	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf							
		17 lb/100 gal	C	6 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	D	10-12 leaf							
		17 lb/100 gal	D	10-12 leaf							
	Ethofumesate	3 pt/a	A	PRE							
	Roundup PowerMax 3 AMS	30 fl oz/a	B	2 leaf							
		17 lb/100 gal	B	2 leaf							
4	Ultra Blazer	16 fl oz/a		C	6 leaf	21	100	22	100	11	100
	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf							
		17 lb/100 gal	C	6 leaf							
	Ultra Blazer	12 fl oz/a	D	10-12 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	D	10-12 leaf							
		17 lb/100 gal	D	10-12 leaf							
	Roundup PowerMax 3 AMS	30 fl oz/a	B	2 leaf							
		17 lb/100 gal	B	2 leaf							
5	Ultra Blazer	16 fl oz/a		C	6 leaf	25	100	25	100	5	100
	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf							
		17 lb/100 gal	C	6 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	D	10-12 leaf							
		17 lb/100 gal	D	10-12 leaf							
	Roundup PowerMax 3 AMS	30 fl oz/a	B	2 leaf							
		17 lb/100 gal	B	2 leaf							
	Ultra Blazer	16 fl oz/a	C	6 leaf							
6	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf	23	100	24	100	8	100	
		17 lb/100 gal	C	6 leaf							
	Ultra Blazer	16 fl oz/a	C	6 leaf							
	Warrant	3 pt/a	C	6 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf							
		17 lb/100 gal	C	6 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	D	10-12 leaf							
		17 lb/100 gal	D	10-12 leaf							
7	Ultra Blazer	16 fl oz/a		C	6 leaf	21	100	25	100	18	100
	Roundup PowerMax 3 AMS	20 fl oz/a	C	6 leaf							
		17 lb/100 gal	C	6 leaf							
	Ultra Blazer	16 fl oz/a	D	10-12 leaf							
	Roundup PowerMax 3 AMS	20 fl oz/a	D	10-12 leaf							
		17 lb/100 gal	D	10-12 leaf							
	Roundup PowerMax 3 AMS	30 fl oz/a	B	2 leaf							
		17 lb/100 gal	B	2 leaf							

Missing data estimates are included in columns: Average=12,13,14,15  
 Could not calculate LSD (% mean diff) or mean separation letters for columns 2,6,8,9,10 because error variance is 0.  
 Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Sugarbeet tolerance to Ultra Blazer alone and tank-mixed with Warrant

Trial ID: SB01-24

Protocol ID: SB01-24 Location: SVREC Trial Year: 2024

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-6-2024	Jun-6-2024	Jun-13-2024	Jun-13-2024	Jun-20-2024	Jun-20-2024					
Rating Type	injury	control	injury	control	injury	control					
Rating Unit	%	%	%	%	%	%					
Crop Type, Code	C, BETVU		C, BETVU		C, BETVU						
Pest Code	CHEAL		CHEAL		CHEAL						
Trt-Eval Interval	7 DA-C	7 DA-C	14 DA-C	14 DA-C	8 DA-D	8 DA-D					
Number of Decimals	0	0	0	0	0	0					
Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing						
8	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	20	100	24	100	16	100
	AMS	17 lb/100 gal		B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Warrant	3 pt/a		C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal		C	6 leaf						
	Ultra Blazer	16 fl oz/a		D	10-12 leaf						
	Warrant	3 pt/a		D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal		D	10-12 leaf						
9	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	18	100	25	99	6	100
	AMS	17 lb/100 gal		B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Surfactant	0.25 % v/v		C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal		D	10-12 leaf						
10	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	15	100	25	100	6	100
	AMS	17 lb/100 gal		B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Warrant	3 pt/a		C	6 leaf						
	Surfactant	0.25 % v/v		C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal		D	10-12 leaf						
11	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	0	100	2	100	9	100
	AMS	17 lb/100 gal		B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal		C	6 leaf						
	Ultra Blazer	16 fl oz/a		D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal		D	10-12 leaf						
12	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	0	100	2	100	4	100
	AMS	17 lb/100 gal		B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal		C	6 leaf						
	Ultra Blazer	16 fl oz/a		D	10-12 leaf						
	Warrant	3 pt/a		D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal		D	10-12 leaf						
LSD P=.05						7.1	.	1.9	1.0	3.8	.
Standard Deviation						5.0	0.0	1.3	0.7	2.7	0.0
CV						31.14	0.0	7.19	0.72	34.95	0.0

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Protocol ID: SB01-24 Location: SVREC Trial Year: 2024

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jul-3-2024	Jul-3-2024	Jul-17-2024	Jul-17-2024	Sep-19-2024	Sep-19-2024
Rating Type	injury	control	injury	control	stand count	sugar
Rating Unit	%	%	%	%	100' ROW	%
Crop Type, Code	C, BETVU	CHEAL	C, BETVU	CHEAL	C, BETVU	C, BETVU
Pest Code						
Trt-Eval Interval	21 DA-D	21 DA-D	35 DA-D	35 DA-D	99 DA-D	99 DA-D
Number of Decimals	0	0	0	0	0	1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	0	100	0	100	224	14.3
1	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	0	100	0	100	224	14.3
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
2	Dual Magnum	0.5 pt/a		A	PRE	1	100	0	100	235	13.8
	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf						
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
3	Ethofumesate	3 pt/a		A	PRE	3	100	0	100	220	14.8
	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf						
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
4	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	9	100	0	100	233	15.1
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	12 fl oz/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Ultra Blazer	12 fl oz/a		D	10-12 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
5	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	3	100	0	100	221	13.5
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
6	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	2	100	0	100	241	14.1
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Warrant	3 pt/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						
7	Roundup PowerMax 3 AMS	30 fl oz/a		B	2 leaf	11	100	0	100	213	14.8
	AMS	17 lb/100 gal	gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a		C	6 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		C	6 leaf						
	AMS	17 lb/100 gal	gal	C	6 leaf						
	Ultra Blazer	16 fl oz/a		D	10-12 leaf						
	Roundup PowerMax 3 AMS	20 fl oz/a		D	10-12 leaf						
	AMS	17 lb/100 gal	gal	D	10-12 leaf						

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Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jul-3-2024	Jul-3-2024	Jul-17-2024	Jul-17-2024	Sep-19-2024	Sep-19-2024				
Rating Type	injury	control	injury	control	stand count	sugar				
Rating Unit	%	%	%	%	100' ROW	%				
Crop Type, Code	C, BETVU	CHEAL	C, BETVU	CHEAL	C, BETVU	C, BETVU				
Pest Code										
Trt-Eval Interval	21 DA-D	21 DA-D	35 DA-D	35 DA-D	99 DA-D	99 DA-D				
Number of Decimals	0	0	0	0	0	1				
Trt No.	Treatment Name	Rate	Appl Code	Appl Timing						
		Rate Unit								
8	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	13	100	0	100	216	14.4
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a	C	6 leaf						
	Warrant	3 pt/a	C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf						
	AMS	17 lb/100 gal	C	6 leaf						
	Ultra Blazer	16 fl oz/a	D	10-12 leaf						
	Warrant	3 pt/a	D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf						
	AMS	17 lb/100 gal	D	10-12 leaf						
9	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	4	100	0	100	226	14.4
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a	C	6 leaf						
	Surfactant	0.25 % v/v	C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf						
	AMS	17 lb/100 gal	D	10-12 leaf						
10	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	3	100	0	100	255	14.4
	AMS	17 lb/100 gal	B	2 leaf						
	Ultra Blazer	16 fl oz/a	C	6 leaf						
	Warrant	3 pt/a	C	6 leaf						
	Surfactant	0.25 % v/v	C	6 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf						
	AMS	17 lb/100 gal	D	10-12 leaf						
11	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	7	100	0	100	232	14.6
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf						
	AMS	17 lb/100 gal	C	6 leaf						
	Ultra Blazer	16 fl oz/a	D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf						
	AMS	17 lb/100 gal	D	10-12 leaf						
12	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	4	100	0	100	234	14.6
	AMS	17 lb/100 gal	B	2 leaf						
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf						
	AMS	17 lb/100 gal	C	6 leaf						
	Ultra Blazer	16 fl oz/a	D	10-12 leaf						
	Warrant	3 pt/a	D	10-12 leaf						
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf						
	AMS	17 lb/100 gal	D	10-12 leaf						
	LSD P=.05				3.9	.	.	.	25.1	1.08
	Standard Deviation				2.7	0.0	0.0	0.0	17.5	0.74
	CV				56.41	0.0	0.0	0.0	7.61	5.15

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Protocol ID: SB01-24 Location: SVREC Trial Year: 2024

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Sep-19-2024	Sep-19-2024	Sep-19-2024
Rating Type	RWST	yield	RWSA
Rating Unit	lb/ton	ton/A	lb/A
Crop Type, Code	C, BETVU	C, BETVU	C, BETVU
Pest Code			
Trt-Eval Interval	99 DA-D	99 DA-D	99 DA-D
Number of Decimals	0	1	0

Trt No.	Treatment	Rate	Unit	Appl Code	Appl Timing			
1	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	244	31.9	7796
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
2	Dual Magnum	0.5 pt/a		A	PRE	233	28.2	6596
	Roundup PowerMax 3	30 fl oz/a		B	2 leaf			
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
3	Ethofumesate	3 pt/a		A	PRE	258	28.9	7460
	Roundup PowerMax 3	30 fl oz/a		B	2 leaf			
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
4	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	260	28.8	7504
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	12 fl oz/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Ultra Blazer	12 fl oz/a		D	10-12 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
5	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	224	29.9	6763
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
6	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	237	28.6	6768
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a		C	6 leaf			
	Warrant	3 pt/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			
7	Roundup PowerMax 3	30 fl oz/a		B	2 leaf	256	28.0	7217
	AMS	17 lb/100 gal	gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a		C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a		C	6 leaf			
	AMS	17 lb/100 gal	gal	C	6 leaf			
	Ultra Blazer	16 fl oz/a		D	10-12 leaf			
	Roundup PowerMax 3	20 fl oz/a		D	10-12 leaf			
	AMS	17 lb/100 gal	gal	D	10-12 leaf			

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Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Sep-19-2024	Sep-19-2024	Sep-19-2024				
Rating Type	RWST	yield	RWSA				
Rating Unit	lb/ton	ton/A	lb/A				
Crop Type, Code	C, BETVU	C, BETVU	C, BETVU				
Pest Code							
Trt-Eval Interval	99 DA-D	99 DA-D	99 DA-D				
Number of Decimals	0	1	0				
Trt No.	Treatment Name	Rate	Appl Code	Appl Timing			
8	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	247	26.3	6550
	AMS	17 lb/100 gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a	C	6 leaf			
	Warrant	3 pt/a	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf			
	AMS	17 lb/100 gal	C	6 leaf			
	Ultra Blazer	16 fl oz/a	D	10-12 leaf			
	Warrant	3 pt/a	D	10-12 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf			
	AMS	17 lb/100 gal	D	10-12 leaf			
9	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	242	28.4	6849
	AMS	17 lb/100 gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a	C	6 leaf			
	Surfactant	0.25 % v/v	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf			
	AMS	17 lb/100 gal	D	10-12 leaf			
10	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	247	30.3	7474
	AMS	17 lb/100 gal	B	2 leaf			
	Ultra Blazer	16 fl oz/a	C	6 leaf			
	Warrant	3 pt/a	C	6 leaf			
	Surfactant	0.25 % v/v	C	6 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf			
	AMS	17 lb/100 gal	D	10-12 leaf			
11	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	251	28.5	7213
	AMS	17 lb/100 gal	B	2 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf			
	AMS	17 lb/100 gal	C	6 leaf			
	Ultra Blazer	16 fl oz/a	D	10-12 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf			
	AMS	17 lb/100 gal	D	10-12 leaf			
12	Roundup PowerMax 3	30 fl oz/a	B	2 leaf	248	28.4	7044
	AMS	17 lb/100 gal	B	2 leaf			
	Roundup PowerMax 3	20 fl oz/a	C	6 leaf			
	AMS	17 lb/100 gal	C	6 leaf			
	Ultra Blazer	16 fl oz/a	D	10-12 leaf			
	Warrant	3 pt/a	D	10-12 leaf			
	Roundup PowerMax 3	20 fl oz/a	D	10-12 leaf			
	AMS	17 lb/100 gal	D	10-12 leaf			
LSD P=.05					23.7	5.76	1727.2
Standard Deviation					16.4	3.97	1190.5
CV					6.66	13.77	16.76

Missing data estimates are included in columns: Average=12,13,14,15

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,6,8,9,10 because error variance is 0.

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