

Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB05-20 Study Dir.: Sprague, Powell, Stiles
 Conducted: SVREC Investigator: Christy Sprague

Planting Date: Apr-20-2020 **Row Spacing:** 30 IN
Variety: Crystal G675 **No. of Reps:** 4
Population: 4.375 " spacing **% OM:** 2.8
Soil Type: CL clay loam **pH:** 7.4
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops:

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
Application Timing:	2 LF	6-8 LF	10-12 LF
Date Treated:	May-21-2020	Jun-4-2020	Jun-18-2020
Time Treated:	11:00 AM	12:50 PM	9:10 AM
% Cloud Cover:	0	10	3
Air Temp., Unit:	71 F	77 F	77 F
% Relative Humidity:	43	55	43
Wind Speed/Unit/Dir:	2 mph E	3 mph W	3 mph NE
Soil Temp, Unit:	69 F	68 F	77 F
Leaf Moist/Dew Presence (Y/N):	5	5	5
Soil Moist:	5	5	5

Crop Stage at Each Application

	A	B	C
Crop 1 Name:	BETVU	BETVU	BETVU
Height:	0.5 "	4 "	7.5 "
Stage:	2L	6L	12L

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	CHEAL	CHEAL	CHEAL
Height:	0.5-1 " (0.75)	1 "	2-4 " (3)
Stage:	2-6L	6L	8-10L

Weed Density

Date:	1 Jun-18-2020
Weed Name:	CHEAL
Density:	6 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	22 "	20 "	100 "	19 GAL/AC	WATER	30 psi
B	CUB	3.8 mph	AIXR	11003	22 "	20 "	100 "	19 GAL/AC	WATER	30 psi
C	CUB	3.8 mph	AIXR	11003	27 "	20 "	100 "	19 GAL/AC	WATER	30 psi

Comments:

Spring soil finished (2X); stale seed bed planted. 130 lb/A of actual N was broadcast applied in 50:50 blend of Urea and ESN prior to spring tillage. Six plots were dropped from the 1st rep, due to water damage and excessive rhizoctonia root rot.

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 Sponsor Contact:

Pest Code	CHEAL		CHEAL		CHEAL	
Crop Type, Code	C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL
Rating Date	Jun-11-2020	Jun-11-2020	Jun-18-2020	Jun-18-2020	Jun-25-2020	Jun-25-2020
Rating Type	injury	control	injury	control	injury	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	14 DA-B	14 DA-B	7 DA-C	7 DA-C
Number of Decimals	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl	Appl		
		Rate Unit	Timing	Code		
1	Roundup PowerMax	32 fl oz/a	2 leaf	A	0	100
	AMS	17 lb/100 gal	2 leaf	A		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
2	Roundup PowerMax	32 fl oz/a	2 leaf	A	19	100
	AMS	17 lb/100 gal	2 leaf	A		
	Ultra Blazer	8 fl oz/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Ultra Blazer	8 fl oz/a	10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
3	Roundup PowerMax	32 fl oz/a	2 leaf	A	29	100
	AMS	17 lb/100 gal	2 leaf	A		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Ultra Blazer	16 fl oz/a	10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
4	Untreated				0	0
5	Roundup PowerMax	32 fl oz/a	2 leaf	A	18	100
	AMS	17 lb/100 gal	2 leaf	A		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
6	Roundup PowerMax	32 fl oz/a	2 leaf	A	0	100
	AMS	17 lb/100 gal	2 leaf	A		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Ultra Blazer	16 fl oz/a	10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
7	Roundup PowerMax	32 fl oz/a	2 leaf	A	33	100
	AMS	17 lb/100 gal	2 leaf	A		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Moccasin II Plus	1.33 pt/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
8	Roundup PowerMax	32 fl oz/a	2 leaf	A	10	100
	AMS	17 lb/100 gal	2 leaf	A		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Warrant	3 pt/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		

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Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer
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Pest Code	Crop Type, Code	CHEAL		CHEAL		CHEAL				
		C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL			
Rating Date		Jun-11-2020	Jun-11-2020	Jun-18-2020	Jun-18-2020	Jun-25-2020	Jun-25-2020			
Rating Type		injury	control	injury	control	injury	control			
Rating Unit		percent	percent	percent	percent	percent	percent			
Trt-Eval Interval		7 DA-B	7 DA-B	14 DA-B	14 DA-B	7 DA-C	7 DA-C			
Number of Decimals		0	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Appl	Appl						
		Rate Unit	Timing	Code						
9	Roundup PowerMax	32 fl oz/a	2 leaf	A	35	100	28	100	22	100
	AMS	17 lb/100 gal	2 leaf	A						
	Ultra Blazer	16 fl oz/a	6 leaf	B						
	Outlook	16 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						
10	Roundup PowerMax	32 fl oz/a	2 leaf	A	24	100	23	100	15	100
	AMS	17 lb/100 gal	2 leaf	A						
	Ultra Blazer	16 fl oz/a	6 leaf	B						
	Ethofumesate	32 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						
11	Roundup PowerMax	32 fl oz/a	2 leaf	A	35	100	30	100	23	100
	AMS	17 lb/100 gal	2 leaf	A						
	Ultra Blazer	16 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	Surfactant	0.5 % v/v	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						
12	Roundup PowerMax	32 fl oz/a	2 leaf	A	33	100	30	100	22	100
	AMS	17 lb/100 gal	2 leaf	A						
	Ultra Blazer	16 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	Crop oil concentrate	1 % v/v	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						
13	Roundup PowerMax	32 fl oz/a	2 leaf	A	32	100	35	100	22	100
	AMS	17 lb/100 gal	2 leaf	A						
	Ultra Blazer	16 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	MSO	1 % v/v	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						
14	Stinger	2 fl oz/a	2 leaf	A	3	100	3	100	3	100
	Roundup PowerMax	32 fl oz/a	2 leaf	A						
	AMS	17 lb/100 gal	2 leaf	A						
	Stinger	4 fl oz/a	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	6 leaf	B						
	AMS	17 lb/100 gal	6 leaf	B						
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C						
	AMS	17 lb/100 gal	10-12 leaf	C						

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Crop Type, Code	C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL
Rating Date	Jun-11-2020	Jun-11-2020	Jun-18-2020	Jun-18-2020	Jun-25-2020	Jun-25-2020
Rating Type	injury	control	injury	control	injury	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	14 DA-B	14 DA-B	7 DA-C	7 DA-C
Number of Decimals	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl	Appl		
		Rate Unit	Timing	Code		
15	Stinger	2 fl oz/a	2 leaf	A	24	100
	Roundup PowerMax	32 fl oz/a	2 leaf	A		25
	AMS	17 lb/100 gal	2 leaf	A		100
	Stinger	4 fl oz/a	6 leaf	B		12
	Ultra Blazer	16 fl oz/a	6 leaf	B		100
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
16	Stinger	2 fl oz/a	2 leaf	A	35	100
	Roundup PowerMax	32 fl oz/a	2 leaf	A		38
	AMS	17 lb/100 gal	2 leaf	A		100
	Stinger	4 fl oz/a	6 leaf	B		31
	Ultra Blazer	16 fl oz/a	6 leaf	B		100
	Moccasin II Plus	1.33 pt/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
LSD P=.05					8.9	7.4
Standard Deviation					6.3	5.2
CV					30.6	26.33
						0.0
						9.0
						6.3
						38.28
						0.0

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Pest Code					CHEAL		CHEAL				
Crop Type, Code					C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	C BETVU	C BETVU
Rating Date					Jul-2-2020	Jul-2-2020	Sep-17-2020	Sep-17-2020	Oct-8-2020	Oct-8-2020	Oct-8-2020
Rating Type					injury	control	injury	control	stdn cnts	% sugar	RWST
Rating Unit					percent	percent	percent	percent	100' row		#/ton
Trt-Eval Interval					14 DA-C	14 DA-C	91 DA-C	91 DA-C	@ harvest	112 DA-C	112 DA-C
Number of Decimals					0	0	0	0	0	1	0
Trt No.	Treatment Name	Rate	Appl	Appl							
		Rate Unit	Timing	Code							
1	Roundup PowerMax	32 fl oz/a	2 leaf	A	0	100	0	100	199	19.2	290
	AMS	17 lb/100 gal	2 leaf	A							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
2	Roundup PowerMax	32 fl oz/a	2 leaf	A	15	100	1	100	210	18.2	273
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	8 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Ultra Blazer	8 fl oz/a	10-12 leaf	C							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
3	Roundup PowerMax	32 fl oz/a	2 leaf	A	15	100	0	100	198	18.3	274
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Ultra Blazer	16 fl oz/a	10-12 leaf	C							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
4	Untreated				0	0	0	0	199	17.6	263
5	Roundup PowerMax	32 fl oz/a	2 leaf	A	9	100	0	100	201	19.0	288
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
6	Roundup PowerMax	32 fl oz/a	2 leaf	A	16	100	2	100	189	18.5	278
	AMS	17 lb/100 gal	2 leaf	A							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Ultra Blazer	16 fl oz/a	10-12 leaf	C							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
7	Roundup PowerMax	32 fl oz/a	2 leaf	A	8	100	0	100	205	19.0	287
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Moccasin II Plus	1.33 pt/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
8	Roundup PowerMax	32 fl oz/a	2 leaf	A	8	100	0	100	208	18.4	274
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Warrant	3 pt/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							

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Pest Code	Crop Type, Code	CHEAL		CHEAL		CHEAL		CHEAL		CHEAL	
		C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	CHEAL
Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	Jul-2-2020	Jul-2-2020	Sep-17-2020	Sep-17-2020	Oct-8-2020	Oct-8-2020	Oct-8-2020
					injury	control	injury	control	stnd cnts	% sugar	RWST
					percent	percent	percent	percent	100' row		#/ton
					14 DA-C	14 DA-C	91 DA-C	91 DA-C	@ harvest	112 DA-C	112 DA-C
					0	0	0	0	0	1	0
Trt No.	Treatment Name	Rate	Appl	Appl							
		Rate Unit	Timing	Code							
9	Roundup PowerMax	32 fl oz/a	2 leaf	A	5	100	0	100	193	18.2	272
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Outlook	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
10	Roundup PowerMax	32 fl oz/a	2 leaf	A	4	100	1	100	221	18.8	283
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Ethofumesate	32 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
11	Roundup PowerMax	32 fl oz/a	2 leaf	A	6	100	0	100	192	18.8	284
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	Surfactant	0.5 % v/v	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
12	Roundup PowerMax	32 fl oz/a	2 leaf	A	5	100	0	100	206	18.6	280
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	Crop oil concentrate	1 % v/v	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
13	Roundup PowerMax	32 fl oz/a	2 leaf	A	3	100	0	100	198	18.5	279
	AMS	17 lb/100 gal	2 leaf	A							
	Ultra Blazer	16 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	MSO	1 % v/v	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							
14	Stinger	2 fl oz/a	2 leaf	A	5	100	1	100	203	18.9	284
	Roundup PowerMax	32 fl oz/a	2 leaf	A							
	AMS	17 lb/100 gal	2 leaf	A							
	Stinger	4 fl oz/a	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	6 leaf	B							
	AMS	17 lb/100 gal	6 leaf	B							
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C							
	AMS	17 lb/100 gal	10-12 leaf	C							

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Pest Code	CHEAL				CHEAL							
	C BETVU	CHEAL	C BETVU	CHEAL	C BETVU	C BETVU	C BETVU	C BETVU				
Crop Type, Code	Jul-2-2020	Jul-2-2020	Sep-17-2020	Sep-17-2020	Oct-8-2020	Oct-8-2020	Oct-8-2020	Oct-8-2020				
Rating Date	injury	control	injury	control	std cnts	% sugar	RWST					
Rating Type	percent	percent	percent	percent	100' row		#/ton					
Rating Unit	14 DA-C	14 DA-C	91 DA-C	91 DA-C	@ harvest	112 DA-C	112 DA-C					
Trt-Eval Interval	0	0	0	0	0	1	0					
Number of Decimals												
Trt No.	Treatment Name	Rate	Appl Unit	Appl Timing	Appl Code							
15	Stinger	2 fl oz/a	2 leaf	A		10	100	1	100	198	18.5	278
	Roundup PowerMax	32 fl oz/a	2 leaf	A								
	AMS	17 lb/100 gal	2 leaf	A								
	Stinger	4 fl oz/a	6 leaf	B								
	Ultra Blazer	16 fl oz/a	6 leaf	B								
	Roundup PowerMax	22 fl oz/a	6 leaf	B								
	AMS	17 lb/100 gal	6 leaf	B								
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C								
	AMS	17 lb/100 gal	10-12 leaf	C								
16	Stinger	2 fl oz/a	2 leaf	A		16	100	1	100	192	17.4	260
	Roundup PowerMax	32 fl oz/a	2 leaf	A								
	AMS	17 lb/100 gal	2 leaf	A								
	Stinger	4 fl oz/a	6 leaf	B								
	Ultra Blazer	16 fl oz/a	6 leaf	B								
	Moccasin II Plus	1.33 pt/a	6 leaf	B								
	Roundup PowerMax	22 fl oz/a	6 leaf	B								
	AMS	17 lb/100 gal	6 leaf	B								
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C								
	AMS	17 lb/100 gal	10-12 leaf	C								
LSD P=.05						7.1	.	1.6	.	29.1	0.69	12.6
Standard Deviation						5.0	0.0	1.1	0.0	20.3	0.48	8.8
CV						62.65	0.0	282.88	0.0	10.12	2.6	3.17

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Pest Code			
Crop Type, Code	C	BETVU	C BETVU
Rating Date	Oct-8-2020	Oct-8-2020	
Rating Type		yield	RWSA
Rating Unit	ton/acre	#/acre	
Trt-Eval Interval	112 DA-C	112 DA-C	
Number of Decimals	1	0	

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code		
1	Roundup PowerMax	32 fl oz/a		2 leaf	A	29.3	8483
	AMS	17 lb/100 gal		2 leaf	A		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
2	Roundup PowerMax	32 fl oz/a		2 leaf	A	30.2	8242
	AMS	17 lb/100 gal		2 leaf	A		
	Ultra Blazer	8 fl oz/a		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Ultra Blazer	8 fl oz/a		10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
3	Roundup PowerMax	32 fl oz/a		2 leaf	A	26.8	7330
	AMS	17 lb/100 gal		2 leaf	A		
	Ultra Blazer	16 fl oz/a		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Ultra Blazer	16 fl oz/a		10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
4	Untreated					15.5	4045
5	Roundup PowerMax	32 fl oz/a		2 leaf	A	30.0	8628
	AMS	17 lb/100 gal		2 leaf	A		
	Ultra Blazer	16 fl oz/a		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
6	Roundup PowerMax	32 fl oz/a		2 leaf	A	28.8	8022
	AMS	17 lb/100 gal		2 leaf	A		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Ultra Blazer	16 fl oz/a		10-12 leaf	C		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
7	Roundup PowerMax	32 fl oz/a		2 leaf	A	26.0	7450
	AMS	17 lb/100 gal		2 leaf	A		
	Ultra Blazer	16 fl oz/a		6 leaf	B		
	Moccasin II Plus	1.33 pt/a		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		
8	Roundup PowerMax	32 fl oz/a		2 leaf	A	31.8	8734
	AMS	17 lb/100 gal		2 leaf	A		
	Ultra Blazer	16 fl oz/a		6 leaf	B		
	Warrant	3 pt/a		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		6 leaf	B		
	AMS	17 lb/100 gal		6 leaf	B		
	Roundup PowerMax	22 fl oz/a		10-12 leaf	C		
	AMS	17 lb/100 gal		10-12 leaf	C		

Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer
 Trial ID: SB05-20 Location: SVREC Trial Year: 2020
 Protocol ID: SB05-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code
 Crop Type, Code C BETVU C BETVU
 Rating Date Oct-8-2020 Oct-8-2020
 Rating Type yield RWSA
 Rating Unit ton/acre #/acre
 Trt-Eval Interval 112 DA-C 112 DA-C
 Number of Decimals 1 0

Trt No.	Treatment Name	Rate Unit	Rate	Appl Timing	Appl Code		
9	Roundup PowerMax	32 fl oz/a	2 leaf	A		27.3	7422
	AMS	17 lb/100 gal	2 leaf	A			
	Ultra Blazer	16 fl oz/a	6 leaf	B			
	Outlook	16 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			
10	Roundup PowerMax	32 fl oz/a	2 leaf	A		26.0	7378
	AMS	17 lb/100 gal	2 leaf	A			
	Ultra Blazer	16 fl oz/a	6 leaf	B			
	Ethofumesate	32 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			
11	Roundup PowerMax	32 fl oz/a	2 leaf	A		29.2	8286
	AMS	17 lb/100 gal	2 leaf	A			
	Ultra Blazer	16 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	Surfactant	0.5 % v/v	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			
12	Roundup PowerMax	32 fl oz/a	2 leaf	A		29.3	8209
	AMS	17 lb/100 gal	2 leaf	A			
	Ultra Blazer	16 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	Crop oil concentrate	1 % v/v	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			
13	Roundup PowerMax	32 fl oz/a	2 leaf	A		30.0	8354
	AMS	17 lb/100 gal	2 leaf	A			
	Ultra Blazer	16 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	MSO	1 % v/v	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			
14	Stinger	2 fl oz/a	2 leaf	A		30.3	8602
	Roundup PowerMax	32 fl oz/a	2 leaf	A			
	AMS	17 lb/100 gal	2 leaf	A			
	Stinger	4 fl oz/a	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	6 leaf	B			
	AMS	17 lb/100 gal	6 leaf	B			
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C			
	AMS	17 lb/100 gal	10-12 leaf	C			

Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer
 Trial ID: SB05-20 Location: SVREC Trial Year: 2020
 Protocol ID: SB05-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code		
Crop Type, Code	C BETVU	C BETVU
Rating Date	Oct-8-2020	Oct-8-2020
Rating Type	yield	RWSA
Rating Unit	ton/acre	#/acre
Trt-Eval Interval	112 DA-C	112 DA-C
Number of Decimals	1	0

Trt No.	Treatment Name	Rate Unit	Appl Timing	Appl Code		
15	Stinger	2 fl oz/a	2 leaf	A	28.0	7810
	Roundup PowerMax	32 fl oz/a	2 leaf	A		
	AMS	17 lb/100 gal	2 leaf	A		
	Stinger	4 fl oz/a	6 leaf	B		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
16	Stinger	2 fl oz/a	2 leaf	A	23.7	6156
	Roundup PowerMax	32 fl oz/a	2 leaf	A		
	AMS	17 lb/100 gal	2 leaf	A		
	Stinger	4 fl oz/a	6 leaf	B		
	Ultra Blazer	16 fl oz/a	6 leaf	B		
	Moccasin II Plus	1.33 pt/a	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	6 leaf	B		
	AMS	17 lb/100 gal	6 leaf	B		
	Roundup PowerMax	22 fl oz/a	10-12 leaf	C		
	AMS	17 lb/100 gal	10-12 leaf	C		
	LSD P=.05				5.68	1677.1
	Standard Deviation				3.97	1172.6
	CV				14.48	15.36