

**Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer**

Trial ID: SB02-19 Study Dir.: Sprague, Powell, Stiles  
 Conducted: SVREC Investigator: Christy Sprague

**Planting Date:** Apr-24-2019 **Row Spacing:** 30 IN  
**Variety:** Crystal G675 **No. of Reps:** 4  
**Population:** 4.25 " spacing **% OM:** 2.5  
**Soil Type:** CL clay loam **pH:** 7.1  
**Plot Size:** 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall moldboard plowed; early spring field cultivated  
**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	CHEAL	lambsquarters, common	Chenopodium album
2	POLPY	smartweed, Pennsylvania	Polygonum pensylvanicum
3	AMBEL	ragweed, common	Ambrosia artemisiifolia
4	AMAPO	amaranth, Powell	Amaranthus powellii
Crop	Code	Common Name	
1	BETVU	Sugarbeet	

**Application Description**

	A	B	C
<b>Application Timing:</b>	2 leaf	4-6 leaf	10-12 leaf
<b>Date Treated:</b>	May-24-2019	Jun-12-2019	Jul-2-2019
<b>Time Treated:</b>	9:50 AM	6:40 PM	5:00 PM
<b>% Cloud Cover:</b>	90	90	70
<b>Air Temp., Unit:</b>	58 F	75 F	83 F
<b>% Relative Humidity:</b>	80	44	82
<b>Wind Speed/Unit/Dir:</b>	3 mph NNE	7.5 mph S	4 mph NE
<b>Soil Temp, Unit:</b>	61 F	69 F	
<b>Leaf Moist/Dew Presence (Y/N):</b>	5	4	5
<b>Soil Moist:</b>	5	4	3

**Crop Stage at Each Application**

	A	B	C
<b>Crop 1 Name:</b>	BETVU	BETVU	BETVU
<b>Height:</b>	1 "	6-8 " (7)	8-12 " (10)
<b>Stage:</b>	2L	6L	10-14L

**Weed Stage at Each Application**

	A	B	C
<b>Weed 1 Name:</b>	CHEAL	CHEAL	CHEAL
<b>Height:</b>	1.5 "	2-6 " (4)	
<b>Stage:</b>	4-6L	10-20L	
<b>Weed 2 Name:</b>	POLPY	POLPY	POLPY
<b>Height:</b>	1.5 "	2-6 " (4)	
<b>Stage:</b>	2L	12-16L	
<b>Weed 3 Name:</b>	AMBEL	AMBEL	AMBEL
<b>Height:</b>		6 "	
<b>Stage:</b>		8L	
<b>Weed 4 Name:</b>	AMAPO	AMAPO	AMAPO
<b>Height:</b>			2 "
<b>Stage:</b>			4L

**Weed Density**

	1	2	3	4
<b>Date:</b>	Jul-2-2019	Jul-2-2019	Jul-2-2019	Jul-2-2019
<b>Weed Name:</b>	CHEAL	POLPY	AMBEL	AMAPO
<b>Density:</b>	3 FT2	1 FT2	1 FT2	1 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	28 "	20 "	100 "	19 GAL/AC	WATER	30 psi

**Comments:** Some plots were dropped due to flooding.

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Study Director: Sprague, Powell, Stiles

Pest Code						
Crop Type, Code						
Rating Date						
Rating Type						
Rating Unit						
Trt-Eval Interval						
Number of Decimals						
		BETVU	CHEAL	BETVU	CHEAL	POLPY
		May-31-2019	May-31-2019	Jun-7-2019	Jun-7-2019	Jun-7-2019
		injury	control	injury	control	control
		percent	percent	percent	percent	percent
		7 DAT	7 DAT	14 DA-A	14 DA-A	14 DA-A
		0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	78	0	100	100
1	AMS		WG	17 lb/100 gal		2 leaf	A					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
1	AMS		WG	17 lb/100 gal		4-6 leaf	B					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
1	AMS		WG	17 lb/100 gal		10-12 leaf	C					
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	69	100	64	100	100
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
2	AMS		WG	17 lb/100 gal		2 leaf	A					
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
2	AMS		WG	17 lb/100 gal		4-6 leaf	B					
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
2	AMS		WG	17 lb/100 gal		10-12 leaf	C					
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	71	100	64	100	100
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
3	AMS		WG	17 lb/100 gal		2 leaf	A					
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
3	AMS		WG	17 lb/100 gal		4-6 leaf	B					
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
3	AMS		WG	17 lb/100 gal		10-12 leaf	C					
4	Untreated							0	0	0	0	0
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	73	98	72	100	100
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
5	AMS		WG	17 lb/100 gal		2 leaf	A					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
5	AMS		WG	17 lb/100 gal		4-6 leaf	B					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
5	AMS		WG	17 lb/100 gal		10-12 leaf	C					
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	79	100	74	100	100
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
6	AMS		WG	17 lb/100 gal		2 leaf	A					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
6	AMS		WG	17 lb/100 gal		4-6 leaf	B					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
6	AMS		WG	17 lb/100 gal		10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
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Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	CHEAL	CHEAL	POLPY
Crop Type, Code	BETVU	BETVU	
Rating Date	May-31-2019	Jun-7-2019	Jun-7-2019
Rating Type	injury	injury	control
Rating Unit	percent	percent	percent
Trt-Eval Interval	7 DAT	14 DA-A	14 DA-A
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
7	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	80	0	100	100
7	AMS		WG	17 lb/100 gal		2 leaf	A					
7	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
7	AMS		WG	17 lb/100 gal		4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
7	AMS		WG	17 lb/100 gal		10-12 leaf	C					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	83	0	100	100
8	AMS		WG	17 lb/100 gal		2 leaf	A					
8	Ultra Blazer	2	L	24 fl oz/a		4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
8	AMS		WG	17 lb/100 gal		4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
8	AMS		WG	17 lb/100 gal		10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	73	0	99	100
9	AMS		WG	17 lb/100 gal		2 leaf	A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
9	AMS		WG	17 lb/100 gal		4-6 leaf	B					
9	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
9	AMS		WG	17 lb/100 gal		10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	73	0	100	100
10	AMS		WG	17 lb/100 gal		2 leaf	A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
10	AMS		WG	17 lb/100 gal		4-6 leaf	B					
10	Ultra Blazer	2	L	24 fl oz/a		10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
10	AMS		WG	17 lb/100 gal		10-12 leaf	C					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	75	0	100	100
11	AMS		WG	17 lb/100 gal		2 leaf	A					
11	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
11	Surfactant		L	0.5 % v/v		4-6 leaf	B					
11	AMS		WG	17 lb/100 gal		4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
11	AMS		WG	17 lb/100 gal		10-12 leaf	C					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	74	0	99	100
12	AMS		WG	17 lb/100 gal		2 leaf	A					
12	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
12	Crop oil concentrate		L	1 % v/v		4-6 leaf	B					
12	AMS		WG	17 lb/100 gal		4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
12	AMS		WG	17 lb/100 gal		10-12 leaf	C					

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Pest Code					
Crop Type, Code					
Rating Date					
Rating Type					
Rating Unit					
Trt-Eval Interval					
Number of Decimals					
	BETVU	CHEAL	BETVU	CHEAL	POLPY
	May-31-2019	May-31-2019	Jun-7-2019	Jun-7-2019	Jun-7-2019
	injury	control	injury	control	control
	percent	percent	percent	percent	percent
	7 DAT	7 DAT	14 DA-A	14 DA-A	14 DA-A
	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	0	79	0	100	100
13	AMS		WG	17 lb/100 gal	2 leaf	A					
13	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
13	MSO		L	1 % v/v	4-6 leaf	B					
13	AMS		WG	17 lb/100 gal	4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
13	AMS		WG	17 lb/100 gal	10-12 leaf	C					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	0	88	0	100	100
14	AMS		WG	17 lb/100 gal	2 leaf	A					
14	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
14	Destiny HC (HSOC)		L	1.5 pt/a	4-6 leaf	B					
14	AMS		WG	17 lb/100 gal	4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
14	AMS		WG	17 lb/100 gal	10-12 leaf	C					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	0	82	0	100	100
15	AMS		WG	17 lb/100 gal	2 leaf	A					
15	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
15	Ethotron	4	L	12 fl oz/a	4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
15	AMS		WG	17 lb/100 gal	4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
15	AMS		WG	17 lb/100 gal	10-12 leaf	C					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	0	83	0	100	100
16	AMS		WG	17 lb/100 gal	2 leaf	A					
16	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
16	Stinger	3	L	4 fl oz/a	4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
16	AMS		WG	17 lb/100 gal	4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
16	AMS		WG	17 lb/100 gal	10-12 leaf	C					
LSD P=.05							8.4	7.2	6.7	1.1	.
Standard Deviation							5.9	5.0	4.7	0.8	0.0
CV							32.29	6.34	27.65	0.8	0.0

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Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL		CHEAL	POLPY	AMBEL
Crop Type, Code		BETVU			
Rating Date	Jun-7-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019
Rating Type	control	injury	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-A	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	0	99	100	100
1	AMS		WG	17 lb/100 gal		2 leaf	A					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
1	AMS		WG	17 lb/100 gal		4-6 leaf	B					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
1	AMS		WG	17 lb/100 gal		10-12 leaf	C					
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	100	73	100	100	100
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
2	AMS		WG	17 lb/100 gal		2 leaf	A					
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
2	AMS		WG	17 lb/100 gal		4-6 leaf	B					
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
2	AMS		WG	17 lb/100 gal		10-12 leaf	C					
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	70	100	100	100
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
3	AMS		WG	17 lb/100 gal		2 leaf	A					
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
3	AMS		WG	17 lb/100 gal		4-6 leaf	B					
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
3	AMS		WG	17 lb/100 gal		10-12 leaf	C					
4	Untreated							0	0	0	0	0
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	63	100	100	100
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
5	AMS		WG	17 lb/100 gal		2 leaf	A					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
5	AMS		WG	17 lb/100 gal		4-6 leaf	B					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
5	AMS		WG	17 lb/100 gal		10-12 leaf	C					
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	100	69	100	100	100
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
6	AMS		WG	17 lb/100 gal		2 leaf	A					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
6	AMS		WG	17 lb/100 gal		4-6 leaf	B					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
6	AMS		WG	17 lb/100 gal		10-12 leaf	C					

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Pest Code	AMBEL	BETVU	CHEAL	POLPY	AMBEL
Crop Type, Code	Jun-7-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019
Rating Date	control	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	14 DA-A	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	38	100	100	100
7	AMS		WG	17 lb/100 gal	2 leaf	A					
7	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
7	AMS		WG	17 lb/100 gal	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
7	AMS		WG	17 lb/100 gal	10-12 leaf	C					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	31	100	100	100
8	AMS		WG	17 lb/100 gal	2 leaf	A					
8	Ultra Blazer	2	L	24 fl oz/a	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
8	AMS		WG	17 lb/100 gal	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
8	AMS		WG	17 lb/100 gal	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	0	100	100	99
9	AMS		WG	17 lb/100 gal	2 leaf	A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
9	AMS		WG	17 lb/100 gal	4-6 leaf	B					
9	Ultra Blazer	2	L	16 fl oz/a	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
9	AMS		WG	17 lb/100 gal	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	0	100	100	100
10	AMS		WG	17 lb/100 gal	2 leaf	A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
10	AMS		WG	17 lb/100 gal	4-6 leaf	B					
10	Ultra Blazer	2	L	24 fl oz/a	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
10	AMS		WG	17 lb/100 gal	10-12 leaf	C					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	35	100	100	100
11	AMS		WG	17 lb/100 gal	2 leaf	A					
11	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
11	Surfactant		L	0.5 % v/v	4-6 leaf	B					
11	AMS		WG	17 lb/100 gal	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
11	AMS		WG	17 lb/100 gal	10-12 leaf	C					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	31	100	100	100
12	AMS		WG	17 lb/100 gal	2 leaf	A					
12	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
12	Crop oil concentrate		L	1 % v/v	4-6 leaf	B					
12	AMS		WG	17 lb/100 gal	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
12	AMS		WG	17 lb/100 gal	10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

**Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer**

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL		CHEAL	POLPY	AMBEL
Crop Type, Code		BETVU			
Rating Date	Jun-7-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019
Rating Type	control	injury	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-A	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
13	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	39	100	100	100
13	AMS		WG	17 lb/100 gal		2 leaf	A					
13	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
13	MSO		L	1 % v/v		4-6 leaf	B					
13	AMS		WG	17 lb/100 gal		4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
13	AMS		WG	17 lb/100 gal		10-12 leaf	C					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	47	100	100	100
14	AMS		WG	17 lb/100 gal		2 leaf	A					
14	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
14	Destiny HC (HSOC)		L	1.5 pt/a		4-6 leaf	B					
14	AMS		WG	17 lb/100 gal		4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
14	AMS		WG	17 lb/100 gal		10-12 leaf	C					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	33	100	100	100
15	AMS		WG	17 lb/100 gal		2 leaf	A					
15	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
15	Ethotron	4	L	12 fl oz/a		4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
15	AMS		WG	17 lb/100 gal		4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
15	AMS		WG	17 lb/100 gal		10-12 leaf	C					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	23	100	100	100
16	AMS		WG	17 lb/100 gal		2 leaf	A					
16	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
16	Stinger	3	L	4 fl oz/a		4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
16	AMS		WG	17 lb/100 gal		4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
16	AMS		WG	17 lb/100 gal		10-12 leaf	C					
LSD	P=.05							.	10.1	0.9	.	0.9
Standard Deviation								0.0	7.0	0.7	0.0	0.7
CV								0.0	20.45	0.71	0.0	0.71

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code				CHEAL	POLPY	AMBEL
Crop Type, Code		BETVU	BETVU			
Rating Date		Jul-8-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019
Rating Type		injury	injury	control	control	control
Rating Unit		percent	percent	percent	percent	percent
Trt-Eval Interval		26 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B
Number of Decimals		0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	0	0	100	100	100
1	AMS		WG	17 lb/100 gal		2 leaf	A					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
1	AMS		WG	17 lb/100 gal		4-6 leaf	B					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
1	AMS		WG	17 lb/100 gal		10-12 leaf	C					
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	63	55	100	100	100
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
2	AMS		WG	17 lb/100 gal		2 leaf	A					
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
2	AMS		WG	17 lb/100 gal		4-6 leaf	B					
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
2	AMS		WG	17 lb/100 gal		10-12 leaf	C					
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	66	63	100	100	100
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
3	AMS		WG	17 lb/100 gal		2 leaf	A					
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
3	AMS		WG	17 lb/100 gal		4-6 leaf	B					
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
3	AMS		WG	17 lb/100 gal		10-12 leaf	C					
4	Untreated							0	0	0	0	0
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	45	50	100	100	100
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
5	AMS		WG	17 lb/100 gal		2 leaf	A					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
5	AMS		WG	17 lb/100 gal		4-6 leaf	B					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
5	AMS		WG	17 lb/100 gal		10-12 leaf	C					
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	48	48	100	100	100
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
6	AMS		WG	17 lb/100 gal		2 leaf	A					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
6	AMS		WG	17 lb/100 gal		4-6 leaf	B					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
6	AMS		WG	17 lb/100 gal		10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	BETVU	BETVU	CHEAL	POLPY	AMBEL
Crop Type, Code	Jul-8-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019
Rating Date	injury	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	26 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B
Trt-Eval Interval	0	0	0	0	0
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	11	11	100	100	100
7	AMS		WG	17 lb/100 gal	2 leaf	A					
7	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
7	AMS		WG	17 lb/100 gal	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
7	AMS		WG	17 lb/100 gal	10-12 leaf	C					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	19	14	100	100	100
8	AMS		WG	17 lb/100 gal	2 leaf	A					
8	Ultra Blazer	2	L	24 fl oz/a	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
8	AMS		WG	17 lb/100 gal	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
8	AMS		WG	17 lb/100 gal	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	16	24	100	100	100
9	AMS		WG	17 lb/100 gal	2 leaf	A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
9	AMS		WG	17 lb/100 gal	4-6 leaf	B					
9	Ultra Blazer	2	L	16 fl oz/a	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
9	AMS		WG	17 lb/100 gal	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	15	20	100	100	100
10	AMS		WG	17 lb/100 gal	2 leaf	A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
10	AMS		WG	17 lb/100 gal	4-6 leaf	B					
10	Ultra Blazer	2	L	24 fl oz/a	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
10	AMS		WG	17 lb/100 gal	10-12 leaf	C					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	7	12	100	100	100
11	AMS		WG	17 lb/100 gal	2 leaf	A					
11	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
11	Surfactant		L	0.5 % v/v	4-6 leaf	B					
11	AMS		WG	17 lb/100 gal	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
11	AMS		WG	17 lb/100 gal	10-12 leaf	C					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	12	10	100	100	100
12	AMS		WG	17 lb/100 gal	2 leaf	A					
12	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
12	Crop oil concentrate		L	1 % v/v	4-6 leaf	B					
12	AMS		WG	17 lb/100 gal	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
12	AMS		WG	17 lb/100 gal	10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code			CHEAL	POLPY	AMBEL						
Crop Type, Code	BETVU	BETVU									
Rating Date	Jul-8-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019	Jul-17-2019						
Rating Type	injury	injury	control	control	control						
Rating Unit	percent	percent	percent	percent	percent						
Trt-Eval Interval	26 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B						
Number of Decimals	0	0	0	0	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	10	7	100	100	100
13	AMS		WG	17 lb/100 gal	2 leaf	A					
13	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
13	MSO		L	1 % v/v	4-6 leaf	B					
13	AMS		WG	17 lb/100 gal	4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
13	AMS		WG	17 lb/100 gal	10-12 leaf	C					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	28	20	100	100	100
14	AMS		WG	17 lb/100 gal	2 leaf	A					
14	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
14	Destiny HC (HSOC)		L	1.5 pt/a	4-6 leaf	B					
14	AMS		WG	17 lb/100 gal	4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
14	AMS		WG	17 lb/100 gal	10-12 leaf	C					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	17	13	100	100	100
15	AMS		WG	17 lb/100 gal	2 leaf	A					
15	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
15	Ethotron	4	L	12 fl oz/a	4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
15	AMS		WG	17 lb/100 gal	4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
15	AMS		WG	17 lb/100 gal	10-12 leaf	C					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	6	5	100	100	100
16	AMS		WG	17 lb/100 gal	2 leaf	A					
16	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B					
16	Stinger	3	L	4 fl oz/a	4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B					
16	AMS		WG	17 lb/100 gal	4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C					
16	AMS		WG	17 lb/100 gal	10-12 leaf	C					
LSD	P=.05						12.7	16.6	.	.	.
Standard Deviation							8.9	11.6	0.0	0.0	0.0
CV							39.14	53.12	0.0	0.0	0.0

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	BETVU	BETVU	CHEAL	POLPY
Crop Type, Code	Jul-17-2019	Aug-7-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019
Rating Date	control	injury	injury	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	35 DA-B	56 DA-B	78 DA-C	78 DA-C	78 DA-C
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	AMAPO	BETVU	BETVU	CHEAL	POLPY
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	0	0	100	100
1	AMS		WG	17 lb/100 gal		2 leaf	A					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
1	AMS		WG	17 lb/100 gal		4-6 leaf	B					
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
1	AMS		WG	17 lb/100 gal		10-12 leaf	C					
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	100	25	26	100	100
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
2	AMS		WG	17 lb/100 gal		2 leaf	A					
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
2	AMS		WG	17 lb/100 gal		4-6 leaf	B					
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C					
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
2	AMS		WG	17 lb/100 gal		10-12 leaf	C					
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	31	23	100	100
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
3	AMS		WG	17 lb/100 gal		2 leaf	A					
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
3	AMS		WG	17 lb/100 gal		4-6 leaf	B					
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C					
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
3	AMS		WG	17 lb/100 gal		10-12 leaf	C					
4	Untreated							0	0	0	0	0
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	16	23	100	100
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
5	AMS		WG	17 lb/100 gal		2 leaf	A					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
5	AMS		WG	17 lb/100 gal		4-6 leaf	B					
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
5	AMS		WG	17 lb/100 gal		10-12 leaf	C					
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	100	35	26	100	100
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A					
6	AMS		WG	17 lb/100 gal		2 leaf	A					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
6	AMS		WG	17 lb/100 gal		4-6 leaf	B					
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
6	AMS		WG	17 lb/100 gal		10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	BETVU	BETVU	CHEAL	POLPY
Crop Type, Code	Jul-17-2019	Aug-7-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019
Rating Date	control	injury	injury	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	35 DA-B	56 DA-B	78 DA-C	78 DA-C	78 DA-C
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	5	1	100	100
7	AMS		WG	17	lb/100 gal	2 leaf	A					
7	Ultra Blazer	2	L	16	fl oz/a	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
7	AMS		WG	17	lb/100 gal	4-6 leaf	B					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
7	AMS		WG	17	lb/100 gal	10-12 leaf	C					
8	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	5	3	100	100
8	AMS		WG	17	lb/100 gal	2 leaf	A					
8	Ultra Blazer	2	L	24	fl oz/a	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
8	AMS		WG	17	lb/100 gal	4-6 leaf	B					
8	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
8	AMS		WG	17	lb/100 gal	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	16	3	100	100
9	AMS		WG	17	lb/100 gal	2 leaf	A					
9	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
9	AMS		WG	17	lb/100 gal	4-6 leaf	B					
9	Ultra Blazer	2	L	16	fl oz/a	10-12 leaf	C					
9	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
9	AMS		WG	17	lb/100 gal	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	12	2	100	100
10	AMS		WG	17	lb/100 gal	2 leaf	A					
10	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
10	AMS		WG	17	lb/100 gal	4-6 leaf	B					
10	Ultra Blazer	2	L	24	fl oz/a	10-12 leaf	C					
10	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
10	AMS		WG	17	lb/100 gal	10-12 leaf	C					
11	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	5	1	100	100
11	AMS		WG	17	lb/100 gal	2 leaf	A					
11	Ultra Blazer	2	L	16	fl oz/a	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
11	Surfactant		L	0.5	% v/v	4-6 leaf	B					
11	AMS		WG	17	lb/100 gal	4-6 leaf	B					
11	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
11	AMS		WG	17	lb/100 gal	10-12 leaf	C					
12	Roundup PowerMax	4.5	SL	22	fl oz/a	2 leaf	A	100	3	2	100	100
12	AMS		WG	17	lb/100 gal	2 leaf	A					
12	Ultra Blazer	2	L	16	fl oz/a	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22	fl oz/a	4-6 leaf	B					
12	Crop oil concentrate		L	1	% v/v	4-6 leaf	B					
12	AMS		WG	17	lb/100 gal	4-6 leaf	B					
12	Roundup PowerMax	4.5	SL	22	fl oz/a	10-12 leaf	C					
12	AMS		WG	17	lb/100 gal	10-12 leaf	C					

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	BETVU	BETVU	CHEAL	POLPY
Crop Type, Code	Jul-17-2019	Aug-7-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019
Rating Date	control	injury	injury	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	35 DA-B	56 DA-B	78 DA-C	78 DA-C	78 DA-C
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	AMAPO	BETVU	BETVU	CHEAL	POLPY
13	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	0	0	100	100
13	AMS		WG	17 lb/100 gal		2 leaf	A					
13	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
13	MSO		L	1 % v/v		4-6 leaf	B					
13	AMS		WG	17 lb/100 gal		4-6 leaf	B					
13	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
13	AMS		WG	17 lb/100 gal		10-12 leaf	C					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	11	7	100	100
14	AMS		WG	17 lb/100 gal		2 leaf	A					
14	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
14	Destiny HC (HSOC)		L	1.5 pt/a		4-6 leaf	B					
14	AMS		WG	17 lb/100 gal		4-6 leaf	B					
14	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
14	AMS		WG	17 lb/100 gal		10-12 leaf	C					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	9	2	100	100
15	AMS		WG	17 lb/100 gal		2 leaf	A					
15	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
15	Ethotron	4	L	12 fl oz/a		4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
15	AMS		WG	17 lb/100 gal		4-6 leaf	B					
15	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
15	AMS		WG	17 lb/100 gal		10-12 leaf	C					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	1	5	100	100
16	AMS		WG	17 lb/100 gal		2 leaf	A					
16	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B					
16	Stinger	3	L	4 fl oz/a		4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B					
16	AMS		WG	17 lb/100 gal		4-6 leaf	B					
16	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C					
16	AMS		WG	17 lb/100 gal		10-12 leaf	C					
LSD	P=.05							.	14.0	12.0	.	.
Standard Deviation								0.0	9.8	8.4	0.0	0.0
CV								0.0	90.51	108.68	0.0	0.0

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL	AMAPO	BETVU	BETVU
Crop Type, Code	Sep-18-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019
Rating Date	control	control	stand count	% sugar
Rating Type	percent	percent	100' row	
Rating Unit	78 DA-C	78 DA-C	78 DA-C	78 DA-C
Trt-Eval Interval	0	0	0	1
Number of Decimals				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code				
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	100	100	191	18.4
1	AMS		WG	17 lb/100 gal		2 leaf	A				
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B				
1	AMS		WG	17 lb/100 gal		4-6 leaf	B				
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C				
1	AMS		WG	17 lb/100 gal		10-12 leaf	C				
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	100	100	108	16.6
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A				
2	AMS		WG	17 lb/100 gal		2 leaf	A				
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B				
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B				
2	AMS		WG	17 lb/100 gal		4-6 leaf	B				
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C				
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C				
2	AMS		WG	17 lb/100 gal		10-12 leaf	C				
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	100	110	16.1
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A				
3	AMS		WG	17 lb/100 gal		2 leaf	A				
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B				
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B				
3	AMS		WG	17 lb/100 gal		4-6 leaf	B				
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C				
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C				
3	AMS		WG	17 lb/100 gal		10-12 leaf	C				
4	Untreated							0	0	126	17.7
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	100	100	104	17.5
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A				
5	AMS		WG	17 lb/100 gal		2 leaf	A				
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B				
5	AMS		WG	17 lb/100 gal		4-6 leaf	B				
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C				
5	AMS		WG	17 lb/100 gal		10-12 leaf	C				
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	100	100	100	16.6
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A				
6	AMS		WG	17 lb/100 gal		2 leaf	A				
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B				
6	AMS		WG	17 lb/100 gal		4-6 leaf	B				
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C				
6	AMS		WG	17 lb/100 gal		10-12 leaf	C				

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL	AMAPO	BETVU	BETVU
Crop Type, Code	Sep-18-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019
Rating Date	control	control	stand count	% sugar
Rating Type	percent	percent	100' row	
Rating Unit	78 DA-C	78 DA-C	78 DA-C	78 DA-C
Trt-Eval Interval	0	0	0	1
Number of Decimals				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code	AMBEL	AMAPO	BETVU	BETVU
7	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	198	17.5
7	AMS		WG	17 lb/100 gal	2 leaf	A				
7	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
7	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
7	AMS		WG	17 lb/100 gal	4-6 leaf	B				
7	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
7	AMS		WG	17 lb/100 gal	10-12 leaf	C				
8	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	211	18.4
8	AMS		WG	17 lb/100 gal	2 leaf	A				
8	Ultra Blazer	2	L	24 fl oz/a	4-6 leaf	B				
8	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
8	AMS		WG	17 lb/100 gal	4-6 leaf	B				
8	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
8	AMS		WG	17 lb/100 gal	10-12 leaf	C				
9	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	196	18.6
9	AMS		WG	17 lb/100 gal	2 leaf	A				
9	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
9	AMS		WG	17 lb/100 gal	4-6 leaf	B				
9	Ultra Blazer	2	L	16 fl oz/a	10-12 leaf	C				
9	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
9	AMS		WG	17 lb/100 gal	10-12 leaf	C				
10	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	182	18.0
10	AMS		WG	17 lb/100 gal	2 leaf	A				
10	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
10	AMS		WG	17 lb/100 gal	4-6 leaf	B				
10	Ultra Blazer	2	L	24 fl oz/a	10-12 leaf	C				
10	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
10	AMS		WG	17 lb/100 gal	10-12 leaf	C				
11	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	173	17.6
11	AMS		WG	17 lb/100 gal	2 leaf	A				
11	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
11	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
11	Surfactant		L	0.5 % v/v	4-6 leaf	B				
11	AMS		WG	17 lb/100 gal	4-6 leaf	B				
11	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
11	AMS		WG	17 lb/100 gal	10-12 leaf	C				
12	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	177	18.3
12	AMS		WG	17 lb/100 gal	2 leaf	A				
12	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
12	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
12	Crop oil concentrate		L	1 % v/v	4-6 leaf	B				
12	AMS		WG	17 lb/100 gal	4-6 leaf	B				
12	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
12	AMS		WG	17 lb/100 gal	10-12 leaf	C				

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

						AMBEL	AMAPO	BETVU	BETVU	
						Sep-18-2019	Sep-18-2019	Sep-18-2019	Sep-18-2019	
						control	control	stand count	% sugar	
						percent	percent	100' row		
						78 DA-C	78 DA-C	78 DA-C	78 DA-C	
						0	0	0	1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code				
13	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	199	18.4
13	AMS		WG	17 lb/100 gal	2 leaf	A				
13	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
13	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
13	MSO		L	1 % v/v	4-6 leaf	B				
13	AMS		WG	17 lb/100 gal	4-6 leaf	B				
13	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
13	AMS		WG	17 lb/100 gal	10-12 leaf	C				
14	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	193	17.5
14	AMS		WG	17 lb/100 gal	2 leaf	A				
14	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
14	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
14	Destiny HC (HSOC)		L	1.5 pt/a	4-6 leaf	B				
14	AMS		WG	17 lb/100 gal	4-6 leaf	B				
14	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
14	AMS		WG	17 lb/100 gal	10-12 leaf	C				
15	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	187	18.2
15	AMS		WG	17 lb/100 gal	2 leaf	A				
15	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
15	Ethotron	4	L	12 fl oz/a	4-6 leaf	B				
15	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
15	AMS		WG	17 lb/100 gal	4-6 leaf	B				
15	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
15	AMS		WG	17 lb/100 gal	10-12 leaf	C				
16	Roundup PowerMax	4.5	SL	22 fl oz/a	2 leaf	A	100	100	214	18.2
16	AMS		WG	17 lb/100 gal	2 leaf	A				
16	Ultra Blazer	2	L	16 fl oz/a	4-6 leaf	B				
16	Stinger	3	L	4 fl oz/a	4-6 leaf	B				
16	Roundup PowerMax	4.5	SL	22 fl oz/a	4-6 leaf	B				
16	AMS		WG	17 lb/100 gal	4-6 leaf	B				
16	Roundup PowerMax	4.5	SL	22 fl oz/a	10-12 leaf	C				
16	AMS		WG	17 lb/100 gal	10-12 leaf	C				
LSD P=.05							.	.	46.3	1.15
Standard Deviation							0.0	0.0	32.4	0.81
CV							0.0	0.0	19.45	4.55

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code						
Crop Type, Code				BETVU	BETVU	
Rating Date				Sep-18-2019	Sep-18-2019	
Rating Type				yield	RWSA	
Rating Unit				ton/acre	#/acre	
Trt-Eval Interval				78 DA-C	78 DA-C	
Number of Decimals				1	0	

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code		
1	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	19.2	5796
1	AMS		WG	17 lb/100 gal		2 leaf	A		
1	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
1	AMS		WG	17 lb/100 gal		4-6 leaf	B		
1	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
1	AMS		WG	17 lb/100 gal		10-12 leaf	C		
2	Ultra Blazer	2	L	8 fl oz/a		2 leaf	A	11.2	2936
2	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A		
2	AMS		WG	17 lb/100 gal		2 leaf	A		
2	Ultra Blazer	2	L	8 fl oz/a		4-6 leaf	B		
2	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
2	AMS		WG	17 lb/100 gal		4-6 leaf	B		
2	Ultra Blazer	2	L	8 fl oz/a		10-12 leaf	C		
2	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
2	AMS		WG	17 lb/100 gal		10-12 leaf	C		
3	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	8.4	2132
3	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A		
3	AMS		WG	17 lb/100 gal		2 leaf	A		
3	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
3	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
3	AMS		WG	17 lb/100 gal		4-6 leaf	B		
3	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C		
3	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
3	AMS		WG	17 lb/100 gal		10-12 leaf	C		
4	Untreated							5.8	1604
5	Ultra Blazer	2	L	16 fl oz/a		2 leaf	A	13.6	3704
5	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A		
5	AMS		WG	17 lb/100 gal		2 leaf	A		
5	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
5	AMS		WG	17 lb/100 gal		4-6 leaf	B		
5	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
5	AMS		WG	17 lb/100 gal		10-12 leaf	C		
6	Ultra Blazer	2	L	24 fl oz/a		2 leaf	A	12.3	3146
6	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A		
6	AMS		WG	17 lb/100 gal		2 leaf	A		
6	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
6	AMS		WG	17 lb/100 gal		4-6 leaf	B		
6	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
6	AMS		WG	17 lb/100 gal		10-12 leaf	C		

## Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code			
Crop Type, Code		BETVU	BETVU
Rating Date		Sep-18-2019	Sep-18-2019
Rating Type		yield	RWSA
Rating Unit		ton/acre	#/acre
Trt-Eval Interval		78 DA-C	78 DA-C
Number of Decimals		1	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code		
7	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	16.8	4732
7	AMS		WG	17 lb/100 gal		2 leaf	A		
7	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
7	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
7	AMS		WG	17 lb/100 gal		4-6 leaf	B		
7	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
7	AMS		WG	17 lb/100 gal		10-12 leaf	C		
8	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	16.9	4967
8	AMS		WG	17 lb/100 gal		2 leaf	A		
8	Ultra Blazer	2	L	24 fl oz/a		4-6 leaf	B		
8	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
8	AMS		WG	17 lb/100 gal		4-6 leaf	B		
8	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
8	AMS		WG	17 lb/100 gal		10-12 leaf	C		
9	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	15.6	4671
9	AMS		WG	17 lb/100 gal		2 leaf	A		
9	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
9	AMS		WG	17 lb/100 gal		4-6 leaf	B		
9	Ultra Blazer	2	L	16 fl oz/a		10-12 leaf	C		
9	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
9	AMS		WG	17 lb/100 gal		10-12 leaf	C		
10	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	15.7	4306
10	AMS		WG	17 lb/100 gal		2 leaf	A		
10	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
10	AMS		WG	17 lb/100 gal		4-6 leaf	B		
10	Ultra Blazer	2	L	24 fl oz/a		10-12 leaf	C		
10	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
10	AMS		WG	17 lb/100 gal		10-12 leaf	C		
11	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	15.3	4262
11	AMS		WG	17 lb/100 gal		2 leaf	A		
11	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
11	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
11	Surfactant		L	0.5 % v/v		4-6 leaf	B		
11	AMS		WG	17 lb/100 gal		4-6 leaf	B		
11	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
11	AMS		WG	17 lb/100 gal		10-12 leaf	C		
12	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	16.5	4892
12	AMS		WG	17 lb/100 gal		2 leaf	A		
12	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
12	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
12	Crop oil concentrate		L	1 % v/v		4-6 leaf	B		
12	AMS		WG	17 lb/100 gal		4-6 leaf	B		
12	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
12	AMS		WG	17 lb/100 gal		10-12 leaf	C		

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
 Could not calculate LSD (% mean diff) for columns 5,6,9,13,14,15,16,19,20,21,22 because error mean square = 0.

**Sugarbeet tolerance and weed control from postemergence applications of Ultra Blazer**

Trial ID: SB02-19

Location: SVREC

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		
Crop Type, Code	BETVU	BETVU
Rating Date	Sep-18-2019	Sep-18-2019
Rating Type	yield	RWSA
Rating Unit	ton/acre	#/acre
Trt-Eval Interval	78 DA-C	78 DA-C
Number of Decimals	1	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code		
13	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	18.3	5373
13	AMS		WG	17 lb/100 gal		2 leaf	A		
13	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
13	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
13	MSO		L	1 % v/v		4-6 leaf	B		
13	AMS		WG	17 lb/100 gal		4-6 leaf	B		
13	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
13	AMS		WG	17 lb/100 gal		10-12 leaf	C		
14	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	14.4	3885
14	AMS		WG	17 lb/100 gal		2 leaf	A		
14	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
14	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
14	Destiny HC (HSOC)		L	1.5 pt/a		4-6 leaf	B		
14	AMS		WG	17 lb/100 gal		4-6 leaf	B		
14	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
14	AMS		WG	17 lb/100 gal		10-12 leaf	C		
15	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	13.9	3957
15	AMS		WG	17 lb/100 gal		2 leaf	A		
15	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
15	Ethotron	4	L	12 fl oz/a		4-6 leaf	B		
15	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
15	AMS		WG	17 lb/100 gal		4-6 leaf	B		
15	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
15	AMS		WG	17 lb/100 gal		10-12 leaf	C		
16	Roundup PowerMax	4.5	SL	22 fl oz/a		2 leaf	A	19.7	5689
16	AMS		WG	17 lb/100 gal		2 leaf	A		
16	Ultra Blazer	2	L	16 fl oz/a		4-6 leaf	B		
16	Stinger	3	L	4 fl oz/a		4-6 leaf	B		
16	Roundup PowerMax	4.5	SL	22 fl oz/a		4-6 leaf	B		
16	AMS		WG	17 lb/100 gal		4-6 leaf	B		
16	Roundup PowerMax	4.5	SL	22 fl oz/a		10-12 leaf	C		
16	AMS		WG	17 lb/100 gal		10-12 leaf	C		
LSD P=.05								3.53	1175.4
Standard Deviation								2.47	822.5
CV								16.91	19.92