

Weed control and sugarbeet tolerance with Torero

Trial ID: SB02-25 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 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

Application Timing: A
Date Treated: PRE
Time Treated: Apr-24-2025
% Cloud Cover: 3:40 PM
Air Temp., Unit: 10
% Relative Humidity: 76 F
Wind Speed/Unit/Dir: 42
Soil Temp, Unit: 3 MPH E
Leaf Moist/Dew Presence (Y/N): 70 F
Soil Moist: N
 2

Crop Stage at Each Application

Crop 1 Name: A
 BETVU
Height:
Stage:

Weed Stage at Each Application

Weed 1 Name: A
 CHEAL
Height:
Stage:

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

Comments: 6-26-25: Roundup PowerMax 3 at 30 fl oz/A + AMS POST was applied to the entire trial.

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Rating Date	May-8-2025	May-22-2025	May-22-2025	Jun-5-2025	Jun-5-2025	Jun-19-2025	Jun-19-2025
Rating Type	injury	injury	control	injury	control	injury	control
Rating Unit	%	%	%	%	%	%	%
Crop Type, Code	C, BETVU	C, BETVU		C, BETVU		C, BETVU	
Pest Code			CHEAL		CHEAL		CHEAL
Treatment Appl. Interval	14 DA-A	28 DA-A	28 DA-A	42 DA-A	42 DA-A	56 DA-A	56 DA-A
Number of Decimals	0	0	0	0	0	0	0
Trt Treatment	Rate	Appl	Appl				
No. Name	Rate Unit	Code	Timing				
1 Untreated				0	0	0	0
2 Goltix	64 fl oz/a A	PRE		0	1	100	0
3 Ethofumesate	48 fl oz/a A	PRE		0	0	53	0
4 Goltix	28 fl oz/a A	PRE		0	1	100	0
Ethofumesate	17.5 fl oz/a A	PRE				95	0
5 Goltix	40 fl oz/a A	PRE		0	0	100	0
Ethofumesate	25 fl oz/a A	PRE				100	0
6 Goltix	52 fl oz/a A	PRE		0	0	100	0
Ethofumesate	32.5 fl oz/a A	PRE				100	0
7 Goltix	64 fl oz/a A	PRE		0	0	100	0
Ethofumesate	40 fl oz/a A	PRE				100	0
8 TemperMore	41 fl oz/a A	PRE		0	1	43	0
Surfactant	0.25 % v/v A	PRE				49	0
LSD P=.05				.	1.7	5.4	.
Standard Deviation				0.0	1.1	3.7	0.0
CV				0.0	329.29	4.98	0.0

Missing data estimates are included in columns:Average=10,11,12,13,14

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,4,6,8 because error variance is 0.

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

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Rating Date	Jun-26-2025	Jun-26-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025	Sep-29-2025
Rating Type	injury	control	stand count	sugar	RWST	yield	RWSA
Rating Unit	%	%	100' ROW	%	lb/ton	ton/A	lb/A
Crop Type, Code	C, BETVU	CHEAL	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU
Pest Code							
Treatment Appl. Interval	63 DA-A	63 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A
Number of Decimals	0	0	0	1	0	1	0
Trt No.	Treatment Name	Rate	Appl Unit	Appl Code	Appl Timing		
1	Untreated					0	0
2	Goltix	64 fl oz/a	A	PRE		193	15.2
3	Ethofumesate	48 fl oz/a	A	PRE		190	15.8
4	Goltix	28 fl oz/a	A	PRE		200	15.7
	Ethofumesate	17.5 fl oz/a	A	PRE		188	16.6
5	Goltix	40 fl oz/a	A	PRE		222	14.8
	Ethofumesate	25 fl oz/a	A	PRE		246	33.0
6	Goltix	52 fl oz/a	A	PRE		218	16.6
	Ethofumesate	32.5 fl oz/a	A	PRE		285	32.8
7	Goltix	64 fl oz/a	A	PRE		224	15.6
	Ethofumesate	40 fl oz/a	A	PRE		271	33.5
8	TemperMore	41 fl oz/a	A	PRE		194	16.4
	Surfactant	0.25 % v/v	A	PRE		285	33.7
LSD P=.05						12.9	26.0
Standard Deviation						8.8	17.6
CV						12.34	8.64
						1.88	41.8
						1.27	28.2
						8.01	10.39
						3.50	1636.0
						2.36	1105.4
						7.43	12.76

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