

Burndown weed control with Reviton in no-till soybean

Trial ID: NTS04-21 Study Dir.: Sprague, Stiles, Powell
 Conducted: Campus, C-13 Investigator: Christy Sprague

Planting Date: 5-18-21 **Row Spacing:** 30 IN
Variety: AG24XF1 **No. of Reps:** 4
Population: 155000 seeds/A **% OM:** 2.9
Soil Type: CL clay loam **pH:** 7.2
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: No-tilled into standing corn stubble
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	STEME	common chickweed	Stellaria media
2	TAROF	dandelion	Taraxacum officinale
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

Application Timing: A EPP
Date Treated: 4-27-21
Time Treated: 8:55 AM
% Cloud Cover: 50
Air Temp., Unit: 55 F
% Relative Humidity: 67
Wind Speed/Unit/Dir: 8.7 MPH SW
Soil Temp, Unit: 48 F
Leaf Moist/Dew Presence (Y/N): N
Soil Moist: 4

Crop Stage at Each Application

Crop 1 Name: A GLXMA
Height:
Stage:

Weed Stage at Each Application

Weed 1 Name: A STEME
Height: 5-8 " (6.5)
Stage: mat
Weed 2 Name: TAROF
Height: 3-4 " (3.5)
Stage: 6L-10L (8L)

Weed Density

Date: 1 4-27-21 2 4-27-21
Weed Name: STEME TAROF
Density: 4 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	25.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

Comments:

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Location: Campus, C-13

Investigator (Creator): Christy Sprague

Study Director: Sprague, Stiles, Powell

Pest Code	STEME	TAROF	STEME	TAROF	STEME	TAROF	STEME	TAROF	STEME	TAROF	STEME	TAROF
Rating Date	4-30-21	4-30-21	5-4-21	5-4-21	5-11-21	5-11-21	5-18-21	5-18-21	5-25-21	5-25-21	5-25-21	5-25-21
Rating Type	control	control	control	control	control	control	control	control	control	control	control	control
Rating Unit	%	%	%	%	%	%	%	%	%	%	%	%
Trt-Eval Interval	3 DA-A	3 DA-A	7 DA-A	7 DA-A	14 DA-A	14 DA-A	21 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A

Trt No.	Treatment Name	Rate	Unit	Appl Code	3 DA-A	3 DA-A	7 DA-A	7 DA-A	14 DA-A	14 DA-A	21 DA-A	21 DA-A	28 DA-A	28 DA-A
1	Untreated				0	0	0	0	0	0	0	0	0	0
2	Roundup PowerMax 3 AMS	20.6 fl oz/a 8.5 lb/100 gal		A	5	5	39	21	55	55	100	86	99	91
3	Reviton Destiny HC	2 fl oz/a 0.25 % v/v		A	15	58	21	96	25	79	25	28	20	65
4	Reviton Roundup PowerMax 3 Destiny HC AMS	1 fl oz/a 20.6 fl oz/a 0.25 % v/v 8.5 lb/100 gal		A	21	74	75	100	95	100	100	100	100	96
5	Sharpen Roundup PowerMax 3 Destiny HC AMS	1.5 fl oz/a 20.6 fl oz/a 0.25 % v/v 8.5 lb/100 gal		A	26	73	71	99	96	99	100	98	100	95
6	Zone Elite Reviton Roundup PowerMax 3 Destiny HC AMS	32 fl oz/a 1 fl oz/a 20.6 fl oz/a 0.25 % v/v 8.5 lb/100 gal		A	30	69	84	100	99	100	99	100	100	85
LSD	P=.05				6.9	8.3	3.6	2.6	3.5	3.7	3.8	5.3	0.9	7.6
	Standard Deviation				4.6	5.5	2.4	1.7	2.3	2.5	2.5	3.5	0.6	5.1
	CV				28.27	11.95	4.88	2.49	3.74	3.44	3.53	5.09	0.88	7.03