

Burndown weed control with Voraxor and Reviton in no-till soybean

Trial ID: NTS01-24 Study Dir.: Sprague, Stiles
 Conducted: Campus, T-18 Investigator: Christy Sprague

Planting Date: May-13-2024 **Row Spacing:** 30 IN
Variety: P25A16E **No. of Reps:** 4
Population: 150000 S/A **% OM:** 2.8
Soil Type: L loam **pH:** 6.3
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

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

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	POAAN	annual bluegrass	Poa annua
2	STEME	common chickweed	Stellaria media
3	LAMPU	purple deadnettle	Lamium purpureum
4	TAROF	dandelion	Taraxacum officinale
5	ERICA	horseweed (marestail)	Erigeron canadensis
6	CARHI	hairy bittercress	Cardamine hirsuta
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B
Application Timing:	7 EPP	POST
Date Treated:	Apr-30-2024	Jun-19-2024
Time Treated:	9:30 AM	9:00 AM
% Cloud Cover:	15	95
Air Temp., Unit:	56 F	78 F
% Relative Humidity:	66	78
Wind Speed/Unit/Dir:	9 MPH W	4 MPH S
Soil Temp, Unit:	58 F	75 F
Leaf Moist/Dew Presence (Y/N):	N	N
Soil Moist:	3	5

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:		5-6 " (6)
Stage:		V3

Weed Stage at Each Application

	A	B
Weed 1 Name:	POAAN	POAAN
Height:	2 "	
Stage:	flower	
Weed 2 Name:	STEME	STEME
Height:	2-4 " (3)	
Stage:	flower	
Weed 3 Name:	LAMPU	LAMPU
Height:	3-5 " (4)	
Stage:	flower	
Weed 4 Name:	TAROF	TAROF
Height:	3-5 " (4)	4-6 " (5)
Stage:	flower	4-12L
Weed 5 Name:	ERICA	ERICA
Height:	5-8 " (6.5)	8 "
Stage:	25-35L	bolt
Weed 6 Name:	CARHI	CARHI
Height:	8 "	
Stage:	flower	

Weed Density

	1	2	3	4	5	6
Date:	Apr-30-2024	Apr-30-2024	Apr-30-2024	Apr-30-2024	Apr-30-2024	Apr-30-2024
Weed Name:	POAAN	STEME	LAMPU	TAROF	ERICA	CARHI
Density:	2 FT2	8 FT2	6 FT2	7 FT2	2 FT2	1 FT2

Application Equipment

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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	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	26.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

Comments: A broadcast application of Roundup PowerMax 3 (30 fl oz/A) + Liberty (32 fl oz/A) + AMS (8.5 lb/100 gal) was applied POST on June 19. The horseweed population at this location is resistant to the Group 2 and 9 herbicides.

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Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-7-2024	May-7-2024	May-7-2024	May-7-2024	May-7-2024	May-7-2024
Rating Type	control	control	control	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code						
Pest Code	POAAN	STEME	LAMPU	TAROF	ERICA	CARHI
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	May-7-2024 control %	May-7-2024 control %	May-7-2024 control %	May-7-2024 control %	May-7-2024 control %	May-7-2024 control %
1	Untreated					0	0	0	0	0	0
2	Zidua SC	3.25 fl oz/a		A	7 EPP	15	35	25	0	0	30
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
3	Zidua SC	3.25 fl oz/a		A	7 EPP	20	38	28	40	66	28
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
4	Zidua SC	3.25 fl oz/a		A	7 EPP	95	91	85	73	100	85
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
5	Zidua SC	3.25 fl oz/a		A	7 EPP	91	89	96	83	99	86
	Voraxor	1 fl oz/a		A	7 EPP						
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
6	Zidua SC	3.25 fl oz/a		A	7 EPP	93	90	94	88	100	89
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
7	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	96	89	88	81	100	76
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
8	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	80	93	98	85	100	79
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
9	Matador-S	3 pt/a		A	7 EPP	21	8	50	0	3	21
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
10	Matador-S	3 pt/a		A	7 EPP	95	94	88	89	100	73
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
11	Sharpen	1 fl oz/a		A	7 EPP	20	79	53	66	98	74
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
12	Reviton	1 fl oz/a		A	7 EPP	33	76	60	86	43	66
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
13	Reviton	1 fl oz/a		A	7 EPP	25	66	61	93	43	48
	Helmet MTZ	2.1 pt/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						

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Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-7-2024	May-7-2024	May-7-2024	May-7-2024	May-7-2024	May-7-2024					
Rating Type	control	control	control	control	control	control					
Rating Unit	%	%	%	%	%	%					
Crop Type, Code											
Pest Code	POAAN	STEME	LAMPU	TAROF	ERICA	CARHI					
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A					
Number of Decimals	0	0	0	0	0	0					
Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing						
14	Reviton	1 fl oz/a		A	7 EPP	20	63	83	89	85	68
	Enlist One	32 fl oz/a		A	7 EPP						
	Helmet MTZ	2.1 pt/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
	LSD P=.05					14.1	9.8	11.9	7.1	6.0	8.5
	Standard Deviation					9.9	6.8	8.3	5.0	4.2	5.9
	CV					19.64	10.53	12.84	8.0	6.27	10.07

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Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date					May-14-2024	May-14-2024	May-14-2024	May-14-2024	May-14-2024	May-21-2024
Rating Type					control	control	control	control	control	control
Rating Unit					%	%	%	%	%	%
Crop Type, Code										
Pest Code					POAAN	STEME	LAMPU	TAROF	ERICA	STEME
Trt-Eval Interval					14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	21 DA-A
Number of Decimals					0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing					
1	Untreated					0	0	0	0	0
2	Zidua SC	3.25 fl oz/a		A	7 EPP	100	99	99	64	15
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
3	Zidua SC	3.25 fl oz/a		A	7 EPP	99	96	89	71	81
	Enlist One	32 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
4	Zidua SC	3.25 fl oz/a		A	7 EPP	100	99	100	94	100
	Voraxor	1.4 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
5	Zidua SC	3.25 fl oz/a		A	7 EPP	100	98	100	92	100
	Voraxor	1 fl oz/a		A	7 EPP					
	Enlist One	32 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
6	Zidua SC	3.25 fl oz/a		A	7 EPP	98	98	100	94	99
	Voraxor	1.4 fl oz/a		A	7 EPP					
	Enlist One	32 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
7	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	100	98	100	96	100
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
8	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	100	98	100	93	95
	Voraxor	1.4 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
9	Matador-S	3 pt/a		A	7 EPP	100	100	99	48	54
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
10	Matador-S	3 pt/a		A	7 EPP	100	100	100	96	100
	Voraxor	1.4 fl oz/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
11	Sharpen	1 fl oz/a		A	7 EPP	100	100	90	83	100
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
12	Reviton	1 fl oz/a		A	7 EPP	99	99	100	99	33
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					
13	Reviton	1 fl oz/a		A	7 EPP	100	97	100	93	33
	Helmet MTZ	2.1 pt/a		A	7 EPP					
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP					
	MSO	1 % v/v		A	7 EPP					
	AMS	8.5 lb/100 gal		A	7 EPP					

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Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-14-2024	May-14-2024	May-14-2024	May-14-2024	May-14-2024	May-21-2024	
Rating Type	control	control	control	control	control	control	
Rating Unit	%	%	%	%	%	%	
Crop Type, Code							
Pest Code	POAAN	STEME	LAMPU	TAROF	ERICA	STEME	
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	21 DA-A	
Number of Decimals	0	0	0	0	0	0	
Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing		
14	Reviton	1 fl oz/a		A	7 EPP	98	98
	Enlist One	32 fl oz/a		A	7 EPP	100	84
	Helmet MTZ	2.1 pt/a		A	7 EPP		91
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP		100
	MSO	1 % v/v		A	7 EPP		
	AMS	8.5 lb/100 gal		A	7 EPP		
	LSD P=.05					2.9	4.1
	Standard Deviation					2.0	2.9
	CV					2.19	3.17
						4.6	7.6
						3.2	5.3
						3.5	6.72
						5.9	5.8
						0.4	0.3
							0.29

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Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-21-2024	May-21-2024	May-28-2024	May-28-2024	May-28-2024	May-28-2024
Rating Type	control	control	injury	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code	TAROF	ERICA		POAAN	STEME	TAROF
Trt-Eval Interval	21 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	May-21-2024 control %	May-21-2024 control %	May-28-2024 injury %	May-28-2024 control %	May-28-2024 control %	May-28-2024 control %
1	Untreated					0	0	0	0	0	0
2	Zidua SC	3.25 fl oz/a		A	7 EPP	94	20	0	100	100	93
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
3	Zidua SC	3.25 fl oz/a		A	7 EPP	63	81	0	100	100	80
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
4	Zidua SC	3.25 fl oz/a		A	7 EPP	89	99	0	100	100	80
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
5	Zidua SC	3.25 fl oz/a		A	7 EPP	94	100	0	100	100	94
	Voraxor	1 fl oz/a		A	7 EPP						
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
6	Zidua SC	3.25 fl oz/a		A	7 EPP	96	98	0	100	100	93
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Enlist One	32 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
7	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	76	98	0	100	100	61
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
8	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	74	93	0	100	100	56
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
9	Matador-S	3 pt/a		A	7 EPP	55	30	0	100	100	68
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
10	Matador-S	3 pt/a		A	7 EPP	86	98	0	100	100	62
	Voraxor	1.4 fl oz/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
11	Sharpen	1 fl oz/a		A	7 EPP	83	85	0	100	100	81
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
12	Reviton	1 fl oz/a		A	7 EPP	98	30	0	100	100	88
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						
13	Reviton	1 fl oz/a		A	7 EPP	81	69	0	100	100	50
	Helmet MTZ	2.1 pt/a		A	7 EPP						
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP						
	MSO	1 % v/v		A	7 EPP						
	AMS	8.5 lb/100 gal		A	7 EPP						

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Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-28-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-19-2024
Rating Type	control	injury	control	control	control	control	injury
Rating Unit	%	%	%	%	%	%	%
Crop Type, Code	C, GLXMA						C, GLXMA
Pest Code	ERICA		POAAN	STEME	TAROF	ERICA	
Trt-Eval Interval	28 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	50 DA-A
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	May-28-2024 control %	Jun-4-2024 injury %	Jun-4-2024 control %	Jun-4-2024 control %	Jun-4-2024 control %	Jun-4-2024 control %	Jun-19-2024 injury %
1	Untreated					0	0	0	0	0	0	0
2	Zidua SC	3.25 fl oz/a		A	7 EPP	45	0	100	100	90	38	0
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
3	Zidua SC	3.25 fl oz/a		A	7 EPP	96	0	100	100	83	98	0
	Enlist One	32 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
4	Zidua SC	3.25 fl oz/a		A	7 EPP	97	0	100	100	72	95	0
	Voraxor	1.4 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
5	Zidua SC	3.25 fl oz/a		A	7 EPP	99	0	100	100	90	100	0
	Voraxor	1 fl oz/a		A	7 EPP							
	Enlist One	32 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
6	Zidua SC	3.25 fl oz/a		A	7 EPP	96	0	100	100	90	96	0
	Voraxor	1.4 fl oz/a		A	7 EPP							
	Enlist One	32 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
7	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	96	0	100	100	53	98	0
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
8	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	94	0	100	100	50	90	0
	Voraxor	1.4 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
9	Matador-S	3 pt/a		A	7 EPP	71	0	100	100	77	64	0
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
10	Matador-S	3 pt/a		A	7 EPP	99	0	100	100	50	98	0
	Voraxor	1.4 fl oz/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
11	Sharpen	1 fl oz/a		A	7 EPP	85	0	100	100	70	87	0
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
12	Reviton	1 fl oz/a		A	7 EPP	30	0	100	100	85	33	0
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
13	Reviton	1 fl oz/a		A	7 EPP	77	0	100	100	51	73	0
	Helmet MTZ	2.1 pt/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							

Could not calculate LSD (% mean diff) or mean separation letters for columns 15,16,17,20,21,22,25 because error variance is 0. Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Burndown weed control with Voraxor and Reviton in no-till soybean

Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-28-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-4-2024	Jun-19-2024					
Rating Type	control	injury	control	control	control	control	injury					
Rating Unit	%	%	%	%	%	%	%					
Crop Type, Code	C, GLXMA						C, GLXMA					
Pest Code	ERICA		POAAN	STEME	TAROF	ERICA						
Trt-Eval Interval	28 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	50 DA-A					
Number of Decimals	0	0	0	0	0	0	0					
Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing							
14	Reviton	1 fl oz/a		A	7 EPP	98	0	100	100	71	98	0
	Enlist One	32 fl oz/a		A	7 EPP							
	Helmet MTZ	2.1 pt/a		A	7 EPP							
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP							
	MSO	1 % v/v		A	7 EPP							
	AMS	8.5 lb/100 gal		A	7 EPP							
	LSD P=.05					12.0	.	.	.	15.4	11.5	.
	Standard Deviation					8.4	0.0	0.0	0.0	10.8	8.1	0.0
	CV					10.8	0.0	0.0	0.0	16.26	10.61	0.0

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Michigan State University

Burndown weed control with Voraxor and Reviton in no-till soybean

Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-19-2024	Jun-19-2024	Oct-7-2024	Oct-7-2024
Rating Type	control	control	moisture	yield
Rating Unit	%	%	%	bu/A
Crop Type, Code			C, GLXMA	C, GLXMA
Pest Code	TAROF	ERICA		
Trt-Eval Interval	50 DA-A	50 DA-A	110 DA-B	@13% M
Number of Decimals	0	0	2	1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	Jun-19-2024 control %	Jun-19-2024 control %	Oct-7-2024 moisture %	Oct-7-2024 yield bu/A
1	Untreated					0	0	10.33	43.9
2	Zidua SC	3.25 fl oz/a		A	7 EPP	86	23	9.85	72.9
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
3	Zidua SC	3.25 fl oz/a		A	7 EPP	83	97	9.76	80.7
	Enlist One	32 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
4	Zidua SC	3.25 fl oz/a		A	7 EPP	68	94	9.71	73.4
	Voraxor	1.4 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
5	Zidua SC	3.25 fl oz/a		A	7 EPP	87	96	9.67	76.5
	Voraxor	1 fl oz/a		A	7 EPP				
	Enlist One	32 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
6	Zidua SC	3.25 fl oz/a		A	7 EPP	86	97	9.67	77.4
	Voraxor	1.4 fl oz/a		A	7 EPP				
	Enlist One	32 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
7	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	50	95	9.78	69.5
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
8	Boundary 6.5 EC	1.5 pt/a		A	7 EPP	45	90	9.62	74.7
	Voraxor	1.4 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
9	Matador-S	3 pt/a		A	7 EPP	70	30	9.69	70.3
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
10	Matador-S	3 pt/a		A	7 EPP	45	96	9.57	78.1
	Voraxor	1.4 fl oz/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
11	Sharpen	1 fl oz/a		A	7 EPP	70	83	9.68	70.6
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
12	Reviton	1 fl oz/a		A	7 EPP	78	8	9.64	71.2
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
13	Reviton	1 fl oz/a		A	7 EPP	45	70	9.90	71.3
	Helmet MTZ	2.1 pt/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				

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Michigan State University

Burndown weed control with Voraxor and Reviton in no-till soybean

Trial ID: NTS01-24

Protocol ID: NTS01-24 Location: Campus, T-18 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-19-2024	Jun-19-2024	Oct-7-2024	Oct-7-2024
Rating Type	control	control	moisture	yield
Rating Unit	%	%	%	bu/A
Crop Type, Code			C, GLXMA	C, GLXMA
Pest Code	TAROF	ERICA		
Trt-Eval Interval	50 DA-A	50 DA-A	110 DA-B	@13% M
Number of Decimals	0	0	2	1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing				
14	Reviton	1 fl oz/a		A	7 EPP	59	95	9.68	75.5
	Enlist One	32 fl oz/a		A	7 EPP				
	Helmet MTZ	2.1 pt/a		A	7 EPP				
	Roundup PowerMax 3	20 fl oz/a		A	7 EPP				
	MSO	1 % v/v		A	7 EPP				
	AMS	8.5 lb/100 gal		A	7 EPP				
	LSD P=.05					14.6	9.8	0.211	9.73
	Standard Deviation					10.2	6.8	0.147	6.81
	CV					16.42	9.84	1.51	9.47

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