

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus C-13 Investigator: Christy Sprague

Planting Date: May-15-2017 **Row Spacing:** 30 IN
Variety: Pioneer 24T84X **No. of Reps:** 4
Population: 155000 S/A **% OM:** 2.9
Soil Type: L loam **pH:** 7.6
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

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

Crop and Weed Description			
Weed	Code	Common Name	Scientific Name
1	POAAN	bluegrass, annual	Poa annua
2	STEME	Common chickweed	Stellaria media
3	CAPBP	Shepherd's purse	Capsella bursa-pastoris
4	VERPG	Purslane speedwell	Veronica peregrina
5	TAROF	dandelion	Taraxacum officinale
6	ERICA	horseweed	Conyza canadensis
7	ANGR	mainly foxtail species	Annual grass
8	CHEAL	lambquarters, common	Chenopodium album
9	AMBEL	ragweed, common	Ambrosia artemisiifolia
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

Application Timing: A
 14 EPP
Date Treated: Apr-28-2017
Time Treated: 8:30 AM
% Cloud Cover: 90
Air Temp., Unit: 46 F
% Relative Humidity: 71
Wind Speed/Unit/Dir: 4 mph SW
Soil Temp, Unit: 48 F
Leaf Moist/Dew Presence (Y/N): 5
Soil Moist: 5

Crop Stage at Each Application

A
Crop 1 Name: GLXMA
Height:
Stage:

Weed Stage at Each Application

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A

- Weed 1 Name:** POAAN
Height: 1-3 " (2)
Stage: 2
- Weed 2 Name:** STEME
Height: 4-6 " (6)
Stage: Many
- Weed 3 Name:** CAPBP
Height: 4-5 " (5)
Stage: Flower
- Weed 4 Name:** VERPG
Height: 6 "
Stage: Flower
- Weed 5 Name:** TAROF
Height: 4-10 " (7)
Stage: Rosett
- Weed 6 Name:** ERICA
Height:
Stage:
- Weed 7 Name:** ANGR
Height:
Stage:
- Weed 8 Name:** CHEAL
Height:
Stage:
- Weed 9 Name:** AMBEL
Height:
Stage:

Weed Density

	1	2	3	4	5	6	7	8
Date:	Apr-28-2017	Apr-28-2017	Apr-28-2017	Apr-28-2017	Apr-28-2017	Apr-28-2017	Apr-28-2017	Apr-28-2017
Weed Name:	POAAN	STEME	CAPBP	VERPG	TAROF	ERICA	ANGR	CHEAL
Density:	1 FT2	2 FT2	1 FT2	1 FT2	2 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	24 "	20 "	100 "	19 GPA	WATER	30 PSI

Comments: Overall population of summer annuals was low.

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Date: 9
Apr-28-2017
Weed Name: AMBEL
Density:

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Pest Code	POAAN	STEME	CAPBP	TAROF	GLXMA
Crop Code					
Rating Date	May-12-2017	May-12-2017	May-12-2017	May-12-2017	May-30-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	32 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Roundup PowerMax	4.5	SL	22	fl oz/a	A	93	99	98	81	0
1	2,4-D ester	4	L	1	pt/a	A					
1	Crop oil concentrate		L	1	% v/v	A					
1	AMS		WG	17	lb/100 gal	A					
2	Scepter	70	WG	2.1	oz/a	A	96	100	100	93	0
2	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
2	2,4-D ester	4	L	1	pt/a	A					
2	Crop oil concentrate		L	1	% v/v	A					
2	AMS		WG	17	lb/100 gal	A					
3	Scepter	70	WG	2.1	oz/a	A	99	100	98	83	0
3	Dual Magnum	7.64	L	1.25	pt/a	A					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
3	2,4-D ester	4	L	1	pt/a	A					
3	Crop oil concentrate		L	1	% v/v	A					
3	AMS		WG	17	lb/100 gal	A					
4	Scepter	70	WG	2.1	oz/a	A	98	100	100	75	0
4	Dual Magnum	7.64	L	1.25	pt/a	A					
4	Metribuzin	75	WG	6	oz/a	A					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
4	2,4-D ester	4	L	1	pt/a	A					
4	Crop oil concentrate		L	1	% v/v	A					
4	AMS		WG	17	lb/100 gal	A					
5	Untreated						0	0	0	0	0
6	Valor	51	WG	2.5	oz/a	A	100	100	100	100	0
6	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
6	2,4-D ester	4	L	1	pt/a	A					
6	Crop oil concentrate		L	1	% v/v	A					
6	AMS		WG	17	lb/100 gal	A					
7	Scepter	70	WG	2.1	oz/a	A	100	100	100	99	0
7	Valor	51	WG	2.5	oz/a	A					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
7	2,4-D ester	4	L	1	pt/a	A					
7	Crop oil concentrate		L	1	% v/v	A					
7	AMS		WG	17	lb/100 gal	A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

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Pest Code	POAAN	STEME	CAPBP	TAROF	GLXMA
Crop Code					
Rating Date	May-12-2017	May-12-2017	May-12-2017	May-12-2017	May-30-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	32 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	100	100	100	99	0
8	Valor (premix)	51	WG	1.43	oz/a	A					
8	Classic (premix)	25	WG	0.92	oz/a	A					
8	Harmony SG (premix)	50	WG	0.14	oz/a	A					
8	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
8	2,4-D ester	4	L	1	pt/a	A					
8	Crop oil concentrate		L	1	% v/v	A					
8	AMS		WG	17	lb/100 gal	A					
9	Scepter	70	WG	2.1	oz/a	A	99	100	100	95	0
9	Valor	51	WG	2.5	oz/a	A					
9	Metribuzin	75	WG	6	oz/a	A					
9	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
9	2,4-D ester	4	L	1	pt/a	A					
9	Crop oil concentrate		L	1	% v/v	A					
9	AMS		WG	17	lb/100 gal	A					
10	Valor	51	WG	2.5	oz/a	A	100	100	100	98	0
10	Dual Magnum	7.64	L	1.25	pt/a	A					
10	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
10	2,4-D ester	4	L	1	pt/a	A					
10	Crop oil concentrate		L	1	% v/v	A					
10	AMS		WG	17	lb/100 gal	A					
11	Scepter	70	WG	2.1	oz/a	A	99	100	100	99	0
11	Valor	51	WG	2.5	oz/a	A					
11	Dual Magnum	7.64	L	1.25	pt/a	A					
11	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
11	2,4-D ester	4	L	1	pt/a	A					
11	Crop oil concentrate		L	1	% v/v	A					
11	AMS		WG	17	lb/100 gal	A					
12	Trivence (10 oz)	61.3	WG			A	99	100	100	99	0
12	Valor (premix)	51	WG	2.5	oz/a	A					
12	Classic (premix)	25	WG	1.6	oz/a	A					
12	Metribuzin (premix)	75	WG	6	oz/a	A					
12	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
12	2,4-D ester	4	L	1	pt/a	A					
12	Crop oil concentrate		L	1	% v/v	A					
12	AMS		WG	17	lb/100 gal	A					
13	Spartan	4	L	8	fl oz/a	A	96	100	100	91	0
13	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
13	2,4-D ester	4	L	1	pt/a	A					
13	Crop oil concentrate		L	1	% v/v	A					
13	AMS		WG	17	lb/100 gal	A					

* Adjusted means

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Pest Code					POAAN	STEME	CAPBP	TAROF	GLXMA		
Crop Code					May-12-2017	May-12-2017	May-12-2017	May-12-2017	May-30-2017		
Rating Date					control	control	control	control	injury		
Rating Type					percent	percent	percent	percent	percent		
Rating Unit					14 DA-A	14 DA-A	14 DA-A	14 DA-A	32 DA-A		
Trt-Eval Interval					0	0	0	0	0		
Number of Decimals											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*	*	*
14	Authority Elite	7 L		24 fl oz/a		A	97	100	99	86	0
14	Roundup PowerMax	4.5 SL		22 fl oz/a		A					
14	2,4-D ester	4 L		1 pt/a		A					
14	Crop oil concentrate	L		1 % v/v		A					
14	AMS	WG		17 lb/100 gal		A					
15	Scepter	70 WG		2.1 oz/a		A	98	100	99	90	0
15	Authority Elite	7 L		24 fl oz/a		A					
15	Roundup PowerMax	4.5 SL		22 fl oz/a		A					
15	2,4-D ester	4 L		1 pt/a		A					
15	Crop oil concentrate	L		1 % v/v		A					
15	AMS	WG		17 lb/100 gal		A					
16	Scepter	70 WG		2.1 oz/a		A	96	100	100	89	0
16	Authority Elite	7 L		24 fl oz/a		A					
16	Metribuzin	75 WG		6 oz/a		A					
16	Roundup PowerMax	4.5 SL		22 fl oz/a		A					
16	2,4-D ester	4 L		1 pt/a		A					
16	Crop oil concentrate	L		1 % v/v		A					
16	AMS	WG		17 lb/100 gal		A					
LSD P=.05							4.7	0.5	2.6	5.6	.
Standard Deviation							3.3	0.4	1.8	3.9	0.0
CV							3.6	0.4	1.97	4.58	0.0

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Pest Code	CAPBP	VERPG	TAROF	ERICA	ANGR
Crop Code					
Rating Date	May-30-2017	May-30-2017	May-30-2017	May-30-2017	May-30-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Roundup PowerMax	4.5	SL	22	fl oz/a	A	100	100	88	100	95
1	2,4-D ester	4	L	1	pt/a	A					
1	Crop oil concentrate		L	1	% v/v	A					
1	AMS		WG	17	lb/100 gal	A					
2	Scepter	70	WG	2.1	oz/a	A	100	100	90	100	100
2	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
2	2,4-D ester	4	L	1	pt/a	A					
2	Crop oil concentrate		L	1	% v/v	A					
2	AMS		WG	17	lb/100 gal	A					
3	Scepter	70	WG	2.1	oz/a	A	100	100	86	100	100
3	Dual Magnum	7.64	L	1.25	pt/a	A					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
3	2,4-D ester	4	L	1	pt/a	A					
3	Crop oil concentrate		L	1	% v/v	A					
3	AMS		WG	17	lb/100 gal	A					
4	Scepter	70	WG	2.1	oz/a	A	100	100	70	100	100
4	Dual Magnum	7.64	L	1.25	pt/a	A					
4	Metribuzin	75	WG	6	oz/a	A					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
4	2,4-D ester	4	L	1	pt/a	A					
4	Crop oil concentrate		L	1	% v/v	A					
4	AMS		WG	17	lb/100 gal	A					
5	Untreated						0	0	0	0	0
6	Valor	51	WG	2.5	oz/a	A	100	100	100	100	100
6	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
6	2,4-D ester	4	L	1	pt/a	A					
6	Crop oil concentrate		L	1	% v/v	A					
6	AMS		WG	17	lb/100 gal	A					
7	Scepter	70	WG	2.1	oz/a	A	100	100	100	100	100
7	Valor	51	WG	2.5	oz/a	A					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
7	2,4-D ester	4	L	1	pt/a	A					
7	Crop oil concentrate		L	1	% v/v	A					
7	AMS		WG	17	lb/100 gal	A					

* Adjusted means

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Pest Code	CAPBP	VERPG	TAROF	ERICA	ANGR
Crop Code					
Rating Date	May-30-2017	May-30-2017	May-30-2017	May-30-2017	May-30-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	100	100	100	100	100
8	Valor (premix)	51	WG	1.43 oz/a		A					
8	Classic (premix)	25	WG	0.92 oz/a		A					
8	Harmony SG (premix)	50	WG	0.14 oz/a		A					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
8	2,4-D ester	4	L	1 pt/a		A					
8	Crop oil concentrate		L	1 % v/v		A					
8	AMS		WG	17 lb/100 gal		A					
9	Scepter	70	WG	2.1 oz/a		A	100	100	91	100	100
9	Valor	51	WG	2.5 oz/a		A					
9	Metribuzin	75	WG	6 oz/a		A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
9	2,4-D ester	4	L	1 pt/a		A					
9	Crop oil concentrate		L	1 % v/v		A					
9	AMS		WG	17 lb/100 gal		A					
10	Valor	51	WG	2.5 oz/a		A	100	100	98	100	100
10	Dual Magnum	7.64	L	1.25 pt/a		A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
10	2,4-D ester	4	L	1 pt/a		A					
10	Crop oil concentrate		L	1 % v/v		A					
10	AMS		WG	17 lb/100 gal		A					
11	Scepter	70	WG	2.1 oz/a		A	100	100	100	100	100
11	Valor	51	WG	2.5 oz/a		A					
11	Dual Magnum	7.64	L	1.25 pt/a		A					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
11	2,4-D ester	4	L	1 pt/a		A					
11	Crop oil concentrate		L	1 % v/v		A					
11	AMS		WG	17 lb/100 gal		A					
12	Trivence (10 oz)	61.3	WG			A	100	100	100	100	100
12	Valor (premix)	51	WG	2.5 oz/a		A					
12	Classic (premix)	25	WG	1.6 oz/a		A					
12	Metribuzin (premix)	75	WG	6 oz/a		A					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
12	2,4-D ester	4	L	1 pt/a		A					
12	Crop oil concentrate		L	1 % v/v		A					
12	AMS		WG	17 lb/100 gal		A					
13	Spartan	4	L	8 fl oz/a		A	100	100	94	100	100
13	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
13	2,4-D ester	4	L	1 pt/a		A					
13	Crop oil concentrate		L	1 % v/v		A					
13	AMS		WG	17 lb/100 gal		A					

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Pest Code		CAPBP	VERPG	TAROF	ERICA	ANGR					
Crop Code											
Rating Date		May-30-2017	May-30-2017	May-30-2017	May-30-2017	May-30-2017					
Rating Type		control	control	control	control	control					
Rating Unit		percent	percent	percent	percent	percent					
Trt-Eval Interval		32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A					
Number of Decimals		0	0	0	0	0					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*	*	*
14	Authority Elite	7	L	24	fl oz/a	A	100	100	90	100	100
14	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
14	2,4-D ester	4	L	1	pt/a	A					
14	Crop oil concentrate		L	1	% v/v	A					
14	AMS		WG	17	lb/100 gal	A					
15	Scepter	70	WG	2.1	oz/a	A	100	100	90	100	100
15	Authority Elite	7	L	24	fl oz/a	A					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
15	2,4-D ester	4	L	1	pt/a	A					
15	Crop oil concentrate		L	1	% v/v	A					
15	AMS		WG	17	lb/100 gal	A					
16	Scepter	70	WG	2.1	oz/a	A	100	100	88	100	100
16	Authority Elite	7	L	24	fl oz/a	A					
16	Metribuzin	75	WG	6	oz/a	A					
16	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
16	2,4-D ester	4	L	1	pt/a	A					
16	Crop oil concentrate		L	1	% v/v	A					
16	AMS		WG	17	lb/100 gal	A					
LSD P=.05							.	.	13.4	.	3.6
Standard Deviation							0.0	0.0	9.4	0.0	2.5
CV							0.0	0.0	10.91	0.0	2.68

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Pest Code					
Crop Code	GLXMA	CAPBP	VERPG	TAROF	ERICA
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Roundup PowerMax	4.5	SL	22	fl oz/a	A	0	100	100	63	100
1	2,4-D ester	4	L	1	pt/a	A					
1	Crop oil concentrate		L	1	% v/v	A					
1	AMS		WG	17	lb/100 gal	A					
2	Scepter	70	WG	2.1	oz/a	A	0	100	100	82	100
2	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
2	2,4-D ester	4	L	1	pt/a	A					
2	Crop oil concentrate		L	1	% v/v	A					
2	AMS		WG	17	lb/100 gal	A					
3	Scepter	70	WG	2.1	oz/a	A	0	100	100	75	100
3	Dual Magnum	7.64	L	1.25	pt/a	A					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
3	2,4-D ester	4	L	1	pt/a	A					
3	Crop oil concentrate		L	1	% v/v	A					
3	AMS		WG	17	lb/100 gal	A					
4	Scepter	70	WG	2.1	oz/a	A	0	100	100	54	100
4	Dual Magnum	7.64	L	1.25	pt/a	A					
4	Metribuzin	75	WG	6	oz/a	A					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
4	2,4-D ester	4	L	1	pt/a	A					
4	Crop oil concentrate		L	1	% v/v	A					
4	AMS		WG	17	lb/100 gal	A					
5	Untreated						0	0	0	0	0
6	Valor	51	WG	2.5	oz/a	A	0	100	100	89	100
6	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
6	2,4-D ester	4	L	1	pt/a	A					
6	Crop oil concentrate		L	1	% v/v	A					
6	AMS		WG	17	lb/100 gal	A					
7	Scepter	70	WG	2.1	oz/a	A	0	100	100	85	100
7	Valor	51	WG	2.5	oz/a	A					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
7	2,4-D ester	4	L	1	pt/a	A					
7	Crop oil concentrate		L	1	% v/v	A					
7	AMS		WG	17	lb/100 gal	A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	CAPBP	VERPG	TAROF	ERICA
Crop Code	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Date	injury	control	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	0	100	100	94	100
8	Valor (premix)	51	WG	1.43 oz/a		A					
8	Classic (premix)	25	WG	0.92 oz/a		A					
8	Harmony SG (premix)	50	WG	0.14 oz/a		A					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
8	2,4-D ester	4	L	1 pt/a		A					
8	Crop oil concentrate		L	1 % v/v		A					
8	AMS		WG	17 lb/100 gal		A					
9	Scepter	70	WG	2.1 oz/a		A	0	100	100	53	100
9	Valor	51	WG	2.5 oz/a		A					
9	Metribuzin	75	WG	6 oz/a		A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
9	2,4-D ester	4	L	1 pt/a		A					
9	Crop oil concentrate		L	1 % v/v		A					
9	AMS		WG	17 lb/100 gal		A					
10	Valor	51	WG	2.5 oz/a		A	0	100	100	75	100
10	Dual Magnum	7.64	L	1.25 pt/a		A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
10	2,4-D ester	4	L	1 pt/a		A					
10	Crop oil concentrate		L	1 % v/v		A					
10	AMS		WG	17 lb/100 gal		A					
11	Scepter	70	WG	2.1 oz/a		A	0	100	100	76	100
11	Valor	51	WG	2.5 oz/a		A					
11	Dual Magnum	7.64	L	1.25 pt/a		A					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
11	2,4-D ester	4	L	1 pt/a		A					
11	Crop oil concentrate		L	1 % v/v		A					
11	AMS		WG	17 lb/100 gal		A					
12	Trivence (10 oz)	61.3	WG			A	0	100	100	84	100
12	Valor (premix)	51	WG	2.5 oz/a		A					
12	Classic (premix)	25	WG	1.6 oz/a		A					
12	Metribuzin (premix)	75	WG	6 oz/a		A					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
12	2,4-D ester	4	L	1 pt/a		A					
12	Crop oil concentrate		L	1 % v/v		A					
12	AMS		WG	17 lb/100 gal		A					
13	Spartan	4	L	8 fl oz/a		A	0	100	100	53	100
13	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
13	2,4-D ester	4	L	1 pt/a		A					
13	Crop oil concentrate		L	1 % v/v		A					
13	AMS		WG	17 lb/100 gal		A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		CAPBP	VERPG	TAROF	ERICA
Crop Code	GLXMA				
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
14	Authority Elite	7	L	24	fl oz/a	A	0	100	100	51	100
14	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
14	2,4-D ester	4	L	1	pt/a	A					
14	Crop oil concentrate		L	1	% v/v	A					
14	AMS		WG	17	lb/100 gal	A					
15	Scepter	70	WG	2.1	oz/a	A	0	100	100	53	100
15	Authority Elite	7	L	24	fl oz/a	A					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
15	2,4-D ester	4	L	1	pt/a	A					
15	Crop oil concentrate		L	1	% v/v	A					
15	AMS		WG	17	lb/100 gal	A					
16	Scepter	70	WG	2.1	oz/a	A	0	100	100	46	100
16	Authority Elite	7	L	24	fl oz/a	A					
16	Metribuzin	75	WG	6	oz/a	A					
16	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
16	2,4-D ester	4	L	1	pt/a	A					
16	Crop oil concentrate		L	1	% v/v	A					
16	AMS		WG	17	lb/100 gal	A					
LSD P=.05							.	0.5	.	13.7	.
Standard Deviation							0.0	0.3	0.0	9.6	0.0
CV							0.0	0.37	0.0	14.97	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	GLXMA	TAROF	ERICA
Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-26-2017	Jun-26-2017	Jun-26-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	45 DA-A	45 DA-A	59 DA-A	59 DA-A	59 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Roundup PowerMax	4.5	SL	22	fl oz/a	A	35	85	0	40	100
1	2,4-D ester	4	L	1	pt/a	A					
1	Crop oil concentrate		L	1	% v/v	A					
1	AMS		WG	17	lb/100 gal	A					
2	Scepter	70	WG	2.1	oz/a	A	96	100	0	79	100
2	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
2	2,4-D ester	4	L	1	pt/a	A					
2	Crop oil concentrate		L	1	% v/v	A					
2	AMS		WG	17	lb/100 gal	A					
3	Scepter	70	WG	2.1	oz/a	A	100	100	0	59	99
3	Dual Magnum	7.64	L	1.25	pt/a	A					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
3	2,4-D ester	4	L	1	pt/a	A					
3	Crop oil concentrate		L	1	% v/v	A					
3	AMS		WG	17	lb/100 gal	A					
4	Scepter	70	WG	2.1	oz/a	A	99	100	0	54	100
4	Dual Magnum	7.64	L	1.25	pt/a	A					
4	Metribuzin	75	WG	6	oz/a	A					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
4	2,4-D ester	4	L	1	pt/a	A					
4	Crop oil concentrate		L	1	% v/v	A					
4	AMS		WG	17	lb/100 gal	A					
5	Untreated						0	0	0	0	0
6	Valor	51	WG	2.5	oz/a	A	85	100	0	86	100
6	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
6	2,4-D ester	4	L	1	pt/a	A					
6	Crop oil concentrate		L	1	% v/v	A					
6	AMS		WG	17	lb/100 gal	A					
7	Scepter	70	WG	2.1	oz/a	A	92	100	0	85	100
7	Valor	51	WG	2.5	oz/a	A					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
7	2,4-D ester	4	L	1	pt/a	A					
7	Crop oil concentrate		L	1	% v/v	A					
7	AMS		WG	17	lb/100 gal	A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	GLXMA	TAROF	ERICA
Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-26-2017	Jun-26-2017	Jun-26-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	45 DA-A	45 DA-A	59 DA-A	59 DA-A	59 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	100	100	0	94	100
8	Valor (premix)	51	WG	1.43 oz/a		A					
8	Classic (premix)	25	WG	0.92 oz/a		A					
8	Harmony SG (premix)	50	WG	0.14 oz/a		A					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
8	2,4-D ester	4	L	1 pt/a		A					
8	Crop oil concentrate		L	1 % v/v		A					
8	AMS		WG	17 lb/100 gal		A					
9	Scepter	70	WG	2.1 oz/a		A	100	100	0	46	100
9	Valor	51	WG	2.5 oz/a		A					
9	Metribuzin	75	WG	6 oz/a		A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
9	2,4-D ester	4	L	1 pt/a		A					
9	Crop oil concentrate		L	1 % v/v		A					
9	AMS		WG	17 lb/100 gal		A					
10	Valor	51	WG	2.5 oz/a		A	98	100	0	74	100
10	Dual Magnum	7.64	L	1.25 pt/a		A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
10	2,4-D ester	4	L	1 pt/a		A					
10	Crop oil concentrate		L	1 % v/v		A					
10	AMS		WG	17 lb/100 gal		A					
11	Scepter	70	WG	2.1 oz/a		A	100	100	0	76	99
11	Valor	51	WG	2.5 oz/a		A					
11	Dual Magnum	7.64	L	1.25 pt/a		A					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
11	2,4-D ester	4	L	1 pt/a		A					
11	Crop oil concentrate		L	1 % v/v		A					
11	AMS		WG	17 lb/100 gal		A					
12	Trivence (10 oz)	61.3	WG			A	100	100	0	76	100
12	Valor (premix)	51	WG	2.5 oz/a		A					
12	Classic (premix)	25	WG	1.6 oz/a		A					
12	Metribuzin (premix)	75	WG	6 oz/a		A					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
12	2,4-D ester	4	L	1 pt/a		A					
12	Crop oil concentrate		L	1 % v/v		A					
12	AMS		WG	17 lb/100 gal		A					
13	Spartan	4	L	8 fl oz/a		A	100	100	0	50	99
13	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
13	2,4-D ester	4	L	1 pt/a		A					
13	Crop oil concentrate		L	1 % v/v		A					
13	AMS		WG	17 lb/100 gal		A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague
Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	GLXMA	TAROF	ERICA
Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-26-2017	Jun-26-2017	Jun-26-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	45 DA-A	45 DA-A	59 DA-A	59 DA-A	59 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
14	Authority Elite	7	L	24	fl oz/a	A	93	100	0	46	98
14	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
14	2,4-D ester	4	L	1	pt/a	A					
14	Crop oil concentrate		L	1	% v/v	A					
14	AMS		WG	17	lb/100 gal	A					
15	Scepter	70	WG	2.1	oz/a	A	100	100	0	49	93
15	Authority Elite	7	L	24	fl oz/a	A					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
15	2,4-D ester	4	L	1	pt/a	A					
15	Crop oil concentrate		L	1	% v/v	A					
15	AMS		WG	17	lb/100 gal	A					
16	Scepter	70	WG	2.1	oz/a	A	100	100	0	46	100
16	Authority Elite	7	L	24	fl oz/a	A					
16	Metribuzin	75	WG	6	oz/a	A					
16	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
16	2,4-D ester	4	L	1	pt/a	A					
16	Crop oil concentrate		L	1	% v/v	A					
16	AMS		WG	17	lb/100 gal	A					
LSD P=.05							15.7	6.8	.	13.0	4.0
Standard Deviation							11.0	4.8	0.0	9.1	2.8
CV							12.63	5.16	0.0	15.19	3.02

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague
Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	GLXMA	TAROF
Crop Code					
Rating Date	Jun-26-2017	Jun-26-2017	Jun-26-2017	Jul-10-2017	Jul-10-2017
Rating Type	control	control	control	injury	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	59 DA-A	59 DA-A	59 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Roundup PowerMax	4.5	SL	22	fl oz/a	A	23	45	100	0	25
1	2,4-D ester	4	L	1	pt/a	A					
1	Crop oil concentrate		L	1	% v/v	A					
1	AMS		WG	17	lb/100 gal	A					
2	Scepter	70	WG	2.1	oz/a	A	81	96	100	0	69
2	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
2	2,4-D ester	4	L	1	pt/a	A					
2	Crop oil concentrate		L	1	% v/v	A					
2	AMS		WG	17	lb/100 gal	A					
3	Scepter	70	WG	2.1	oz/a	A	91	100	100	0	50
3	Dual Magnum	7.64	L	1.25	pt/a	A					
3	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
3	2,4-D ester	4	L	1	pt/a	A					
3	Crop oil concentrate		L	1	% v/v	A					
3	AMS		WG	17	lb/100 gal	A					
4	Scepter	70	WG	2.1	oz/a	A	96	100	100	0	35
4	Dual Magnum	7.64	L	1.25	pt/a	A					
4	Metribuzin	75	WG	6	oz/a	A					
4	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
4	2,4-D ester	4	L	1	pt/a	A					
4	Crop oil concentrate		L	1	% v/v	A					
4	AMS		WG	17	lb/100 gal	A					
5	Untreated						0	0	0	0	0
6	Valor	51	WG	2.5	oz/a	A	65	100	93	0	61
6	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
6	2,4-D ester	4	L	1	pt/a	A					
6	Crop oil concentrate		L	1	% v/v	A					
6	AMS		WG	17	lb/100 gal	A					
7	Scepter	70	WG	2.1	oz/a	A	89	100	100	0	69
7	Valor	51	WG	2.5	oz/a	A					
7	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
7	2,4-D ester	4	L	1	pt/a	A					
7	Crop oil concentrate		L	1	% v/v	A					
7	AMS		WG	17	lb/100 gal	A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	GLXMA	TAROF
Crop Code					
Rating Date	Jun-26-2017	Jun-26-2017	Jun-26-2017	Jul-10-2017	Jul-10-2017
Rating Type	control	control	control	injury	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	59 DA-A	59 DA-A	59 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	96	100	100	0	78
8	Valor (premix)	51	WG	1.43 oz/a		A					
8	Classic (premix)	25	WG	0.92 oz/a		A					
8	Harmony SG (premix)	50	WG	0.14 oz/a		A					
8	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
8	2,4-D ester	4	L	1 pt/a		A					
8	Crop oil concentrate		L	1 % v/v		A					
8	AMS		WG	17 lb/100 gal		A					
9	Scepter	70	WG	2.1 oz/a		A	96	100	100	0	23
9	Valor	51	WG	2.5 oz/a		A					
9	Metribuzin	75	WG	6 oz/a		A					
9	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
9	2,4-D ester	4	L	1 pt/a		A					
9	Crop oil concentrate		L	1 % v/v		A					
9	AMS		WG	17 lb/100 gal		A					
10	Valor	51	WG	2.5 oz/a		A	97	100	100	0	50
10	Dual Magnum	7.64	L	1.25 pt/a		A					
10	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
10	2,4-D ester	4	L	1 pt/a		A					
10	Crop oil concentrate		L	1 % v/v		A					
10	AMS		WG	17 lb/100 gal		A					
11	Scepter	70	WG	2.1 oz/a		A	100	100	100	0	60
11	Valor	51	WG	2.5 oz/a		A					
11	Dual Magnum	7.64	L	1.25 pt/a		A					
11	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
11	2,4-D ester	4	L	1 pt/a		A					
11	Crop oil concentrate		L	1 % v/v		A					
11	AMS		WG	17 lb/100 gal		A					
12	Trivence (10 oz)	61.3	WG			A	98	100	100	0	63
12	Valor (premix)	51	WG	2.5 oz/a		A					
12	Classic (premix)	25	WG	1.6 oz/a		A					
12	Metribuzin (premix)	75	WG	6 oz/a		A					
12	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
12	2,4-D ester	4	L	1 pt/a		A					
12	Crop oil concentrate		L	1 % v/v		A					
12	AMS		WG	17 lb/100 gal		A					
13	Spartan	4	L	8 fl oz/a		A	85	100	100	0	24
13	Roundup PowerMax	4.5	SL	22 fl oz/a		A					
13	2,4-D ester	4	L	1 pt/a		A					
13	Crop oil concentrate		L	1 % v/v		A					
13	AMS		WG	17 lb/100 gal		A					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	GLXMA	TAROF
Crop Code					
Rating Date	Jun-26-2017	Jun-26-2017	Jun-26-2017	Jul-10-2017	Jul-10-2017
Rating Type	control	control	control	injury	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	59 DA-A	59 DA-A	59 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
14	Authority Elite	7	L	24	fl oz/a	A	84	100	100	0	16
14	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
14	2,4-D ester	4	L	1	pt/a	A					
14	Crop oil concentrate		L	1	% v/v	A					
14	AMS		WG	17	lb/100 gal	A					
15	Scepter	70	WG	2.1	oz/a	A	95	100	100	0	19
15	Authority Elite	7	L	24	fl oz/a	A					
15	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
15	2,4-D ester	4	L	1	pt/a	A					
15	Crop oil concentrate		L	1	% v/v	A					
15	AMS		WG	17	lb/100 gal	A					
16	Scepter	70	WG	2.1	oz/a	A	99	100	100	0	16
16	Authority Elite	7	L	24	fl oz/a	A					
16	Metribuzin	75	WG	6	oz/a	A					
16	Roundup PowerMax	4.5	SL	22	fl oz/a	A					
16	2,4-D ester	4	L	1	pt/a	A					
16	Crop oil concentrate		L	1	% v/v	A					
16	AMS		WG	17	lb/100 gal	A					
LSD P=.05							12.6	9.9	5.3	.	15.9
Standard Deviation							8.8	7.0	3.8	0.0	11.1
CV							10.91	7.75	4.02	0.0	27.15

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ERICA	ANGR	CHEAL	AMBEL
Crop Code				
Rating Date	Jul-10-2017	Jul-10-2017	Jul-10-2017	Jul-10-2017
Rating Type	injury	injury	injury	injury
Rating Unit	percent	percent	percent	percent
Trt-Eval Interval	73 DA-A	73 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
1	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A	100	0	25	85
1	2,4-D ester	4	L	1 pt/a	A	A				
1	Crop oil concentrate		L	1 % v/v	A	A				
1	AMS		WG	17 lb/100 gal	A	A				
2	Scepter	70	WG	2.1 oz/a	A	A	100	56	91	96
2	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A				
2	2,4-D ester	4	L	1 pt/a	A	A				
2	Crop oil concentrate		L	1 % v/v	A	A				
2	AMS		WG	17 lb/100 gal	A	A				
3	Scepter	70	WG	2.1 oz/a	A	A	96	81	94	100
3	Dual Magnum	7.64	L	1.25 pt/a	A	A				
3	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A				
3	2,4-D ester	4	L	1 pt/a	A	A				
3	Crop oil concentrate		L	1 % v/v	A	A				
3	AMS		WG	17 lb/100 gal	A	A				
4	Scepter	70	WG	2.1 oz/a	A	A	100	81	99	100
4	Dual Magnum	7.64	L	1.25 pt/a	A	A				
4	Metribuzin	75	WG	6 oz/a	A	A				
4	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A				
4	2,4-D ester	4	L	1 pt/a	A	A				
4	Crop oil concentrate		L	1 % v/v	A	A				
4	AMS		WG	17 lb/100 gal	A	A				
5	Untreated						0	0	0	0
6	Valor	51	WG	2.5 oz/a	A	A	100	51	100	95
6	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A				
6	2,4-D ester	4	L	1 pt/a	A	A				
6	Crop oil concentrate		L	1 % v/v	A	A				
6	AMS		WG	17 lb/100 gal	A	A				
7	Scepter	70	WG	2.1 oz/a	A	A	100	79	100	100
7	Valor	51	WG	2.5 oz/a	A	A				
7	Roundup PowerMax	4.5	SL	22 fl oz/a	A	A				
7	2,4-D ester	4	L	1 pt/a	A	A				
7	Crop oil concentrate		L	1 % v/v	A	A				
7	AMS		WG	17 lb/100 gal	A	A				

* Adjusted means

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Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague
Study Director: Sprague, Powell, Stiles

Pest Code	ERICA	ANGR	CHEAL	AMBEL
Crop Code				
Rating Date	Jul-10-2017	Jul-10-2017	Jul-10-2017	Jul-10-2017
Rating Type	injury	injury	injury	injury
Rating Unit	percent	percent	percent	percent
Trt-Eval Interval	73 DA-A	73 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
8	Envive (2.5 oz)	41.3	WG			A	97	59	99	100
8	Valor (premix)	51	WG	1.43 oz/a		A				
8	Classic (premix)	25	WG	0.92 oz/a		A				
8	Harmony SG (premix)	50	WG	0.14 oz/a		A				
8	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
8	2,4-D ester	4	L	1 pt/a		A				
8	Crop oil concentrate		L	1 % v/v		A				
8	AMS		WG	17 lb/100 gal		A				
9	Scepter	70	WG	2.1 oz/a		A	100	95	98	100
9	Valor	51	WG	2.5 oz/a		A				
9	Metribuzin	75	WG	6 oz/a		A				
9	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
9	2,4-D ester	4	L	1 pt/a		A				
9	Crop oil concentrate		L	1 % v/v		A				
9	AMS		WG	17 lb/100 gal		A				
10	Valor	51	WG	2.5 oz/a		A	96	95	96	96
10	Dual Magnum	7.64	L	1.25 pt/a		A				
10	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
10	2,4-D ester	4	L	1 pt/a		A				
10	Crop oil concentrate		L	1 % v/v		A				
10	AMS		WG	17 lb/100 gal		A				
11	Scepter	70	WG	2.1 oz/a		A	81	97	100	100
11	Valor	51	WG	2.5 oz/a		A				
11	Dual Magnum	7.64	L	1.25 pt/a		A				
11	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
11	2,4-D ester	4	L	1 pt/a		A				
11	Crop oil concentrate		L	1 % v/v		A				
11	AMS		WG	17 lb/100 gal		A				
12	Trivence (10 oz)	61.3	WG			A	100	94	100	95
12	Valor (premix)	51	WG	2.5 oz/a		A				
12	Classic (premix)	25	WG	1.6 oz/a		A				
12	Metribuzin (premix)	75	WG	6 oz/a		A				
12	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
12	2,4-D ester	4	L	1 pt/a		A				
12	Crop oil concentrate		L	1 % v/v		A				
12	AMS		WG	17 lb/100 gal		A				
13	Spartan	4	L	8 fl oz/a		A	100	65	100	96
13	Roundup PowerMax	4.5	SL	22 fl oz/a		A				
13	2,4-D ester	4	L	1 pt/a		A				
13	Crop oil concentrate		L	1 % v/v		A				
13	AMS		WG	17 lb/100 gal		A				

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.

Early preplant applications of Scepter tank-mixtures for weed control in no-till soybean

Trial ID: NTS07-17

Location: Campus C-13

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ERICA	ANGR	CHEAL	AMBEL
Crop Code				
Rating Date	Jul-10-2017	Jul-10-2017	Jul-10-2017	Jul-10-2017
Rating Type	injury	injury	injury	injury
Rating Unit	percent	percent	percent	percent
Trt-Eval Interval	73 DA-A	73 DA-A	73 DA-A	73 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
14	Authority Elite	7	L	24	fl oz/a	A	95	66	100	98
14	Roundup PowerMax	4.5	SL	22	fl oz/a	A				
14	2,4-D ester	4	L	1	pt/a	A				
14	Crop oil concentrate		L	1	% v/v	A				
14	AMS		WG	17	lb/100 gal	A				
15	Scepter	70	WG	2.1	oz/a	A	75	89	100	100
15	Authority Elite	7	L	24	fl oz/a	A				
15	Roundup PowerMax	4.5	SL	22	fl oz/a	A				
15	2,4-D ester	4	L	1	pt/a	A				
15	Crop oil concentrate		L	1	% v/v	A				
15	AMS		WG	17	lb/100 gal	A				
16	Scepter	70	WG	2.1	oz/a	A	100	97	100	99
16	Authority Elite	7	L	24	fl oz/a	A				
16	Metribuzin	75	WG	6	oz/a	A				
16	Roundup PowerMax	4.5	SL	22	fl oz/a	A				
16	2,4-D ester	4	L	1	pt/a	A				
16	Crop oil concentrate		L	1	% v/v	A				
16	AMS		WG	17	lb/100 gal	A				
	LSD P=.05						13.0	17.1	7.5	7.6 . .
	Standard Deviation						9.1	12.0	5.3	5.3 . .
	CV						10.12	17.39	6.05	5.81 . .

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,6,7,9,11,13,15,18,24,30,31 because error mean square = 0.