Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

General Trial Information

Study Director: Dustin Johnson **Title:** Research Associate
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established
Initiation Date: Apr-14-2016

Trial Location

City: Butlerville **Country:** USA United States
State/Prov.: Indiana
Postal Code: 47723

Conducted Under GLP: No
Conducted Under GEP: No

Objectives:
DEMONSTRATE PERFORMANCE OF SCEPTER AS A POST-EMERGENCE TREATMENT FOR RESIDUAL CONTROL OF WEEDS IN LIBERTY LINK SOYBEANS.

Field Prep./Maintenance:
To remove existing vegetation, overspray plots with Roundup Ready @ 32 oz/a or 2,4-D @ 1 pt/a + AMS6 weeks prior to planting.

Treatment Timing: Apply as broadcast foliar spray 7 to 21 days after soybean planting with timing dictated by size of weeds, soybean growth rate, and evironmental conditions. Prefix must be applied by V3. Target weed size of 2-3 inches or less.

- **Record weed stages, heights, and densities at application.**

Crop

Data to Collect:

1. Application: Record weed stages, heights, and densities at application.

2. Crop safety: Visually estimate crop injury (0-100%). Record for each plot at 7, 14, and 28 days after treatment (DAT).

3. Weed control: Visually estimate weed control as % control (0-100%) for each weed species present or report weed densities if preferred. Add other columns to data file as needed. Record for each plot at 14, 28, and 42 DAT following Application. Base on weeds present in Untreated Control within the block and in the running checks (2 rows on each side of plot).

Contacts

Study Director: Dustin Johnson **Title:** Research Associate
Organization: Purdue University
Address: 915 West State Street **Phone No.:** (765) 496-6690
City+State/Prov: West Lafayette, IN
Postal Code: 47907 **E-mail:** john1357@purdue.edu
Country: USA United States

Investigator: Dr. Bill Johnson **Title:** Professor
Organization: Purdue University
Address: 915 W. State Street
City+State/Prov: West Lafayette, IN
Postal Code: 47907 **E-mail:** wgj@purdue.edu
Country: USA United States

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: Liberty Link 298L4 (126216) **BBCH Scale:** BSOY
Description: Glufosinate Tolerant

Planting Date: May-26-2016
Planting Rate, Unit: 140000 S/A **Planting Method:** DIRDRI direct drilled
Depth, Unit: 1 IN
Row Spacing, Unit: 30 IN **Emergence Date:** May-31-2016
Soil Temperature, Unit: 68
Soil Moisture: DRY dry

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Pest Description

Pest 1 Type: W **Code:** AMBEL Ambrosia artemisiifolia
Common Name: Common ragweed

Pest 2 Type: W **Code:** XANOR Xanthium orientale
Common Name: Common cocklebur

Pest 3 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant foxtail

Pest 4 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Common barnyard grass

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 30 FT
Treated Plot Area: 300 FT2 **Treatments:** 8
Replications: 4
Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: NOTILL no-till
Study Design: RACOBL Randomized Complete Block (RCB)

Maintenance

No.	Date	Maintenance Product Name	Form Conc	Form Type	Rate	Rate Unit
1.	Apr-23-2016	Roundup Power Max	4.5	SL	32	FL OZ/A
2.	Apr-23-2016	Shredder 2,4-D LV-4	3.8	EC	1	PT/A
3.	Apr-23-2016	N-Pak AMS	3.4	SL	2.5	% V/V

Field Prep./Maintenance:
4/23/16 Sprayed Burndown application as specified by AMVAC to kill winter annuals and grasses. Used Roundup Power Max @ 32 oz/a and 2,4-D LV-4 @ 1 pt/a with AMS @ 2.5% v/v. D. Johnson applied application.

7/22/16 Sprayed post application to kill broadleafs and grasses. Sprayed Liberty @ 36oz/a, Select Max @ 12 oz/a, and First Rate @ .3oz/a with COC @ 1% and AMS @ 2.5%.

Soil Description

Description Name: SEPAC-Field U4
% Sand: 20 **% OM:** 1.8 **Texture:** SIL silt loam
% Silt: 65 **pH:** 5.6 **Soil Name:** Avonburg
% Clay: 15 **CEC:** 6.7 **Fert. Level:** G good
Soil Drainage: P poor

Application Description

	A
Application Date:	Jun-8-2016
Appl. Start Time:	8:35 AM
Appl. Stop Time:	9:00 AM
Application Method:	SPRAY
Application Timing:	POST "A"
Application Placement:	BROADC
Applied By:	D. JOHNSON
Air Temperature, Unit:	63 F
% Relative Humidity:	77
Wind Velocity, Unit:	5 MPH
Wind Direction:	NNW
Dew Presence (Y/N):	Y yes
Soil Temperature, Unit:	66 F
Soil Moisture:	SLIWET
% Cloud Cover:	0

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Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	GLXMA BSOY
Stage Scale Used:	BBCH
Stage Majority, Percent:	11
Stage Minimum, Percent:	09
Stage Maximum, Percent:	11
Height, Unit:	1.5 IN
Height Minimum, Maximum:	1 2

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	AMBEL W
Stage Majority, Percent:	15
Stage Minimum, Percent:	14
Stage Maximum, Percent:	16
Height, Unit:	4 IN
Height Minimum, Maximum:	2 6
Density, Unit:	81 YD2
Pest 2 Code, Type, Scale:	XANOR W
Stage Majority, Percent:	14
Stage Minimum, Percent:	12
Stage Maximum, Percent:	16
Height, Unit:	4 IN
Height Minimum, Maximum:	2 6
Density, Unit:	22 YD2
Pest 3 Code, Type, Scale:	SETFA W
Stage Majority, Percent:	13
Stage Minimum, Percent:	13
Stage Maximum, Percent:	14
Height, Unit:	4 IN
Height Minimum, Maximum:	3 6
Density, Unit:	81 YD2
Pest 4 Code, Type, Scale:	ECHCG W
Stage Majority, Percent:	12
Stage Minimum, Percent:	12
Stage Maximum, Percent:	13
Height, Unit:	4 IN
Height Minimum, Maximum:	3 5
Density, Unit:	135 YD2

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Application Equipment

	A
Appl. Equipment:	CO2 BACKPACK
Equipment Type:	BACSPR
Operation Pressure, Unit:	18 PSI
Nozzle Type:	FLAFXR
Nozzle Size:	XR11002
Nozzle Spacing, Unit:	15 IN
Nozzles/Row:	8
Boom Length, Unit:	10 FT
Boom Height, Unit:	17 IN
Ground Speed, Unit:	3 MPH
Carrier:	WATER
Spray Volume, Unit:	15 GAL/AC
Mix Size, Unit:	1.8 liters
Propellant:	COMCO2

Date By Notes
Apr-14-2016 D. JOHNSON Setup trial
Apr-23-2016 D. JOHNSON Sprayed burndown application for clean slate pre-trial.
May-26-2016 T. LEGLEITE Planted trial.
Jun-8-2016 D. JOHNSON Sprayed Post Application at 2-4" weeds. Soybeans at unifoliate stage. Blanketed in grass.
Jun-14-2016 T. LEGLIETE Rated: 7 DAT Crop Injury. There was PPO injury-bronzing and necrosis along with leaf puckering.
Jun-21-2016 D. JOHNSON Rated: 14 DAT Weed Eff. & Crop Injury. There was PPO injury-bronzing and necrosis along with leaf puckering still. T. Campbell helped rate crop injury.
Jul-8-2016 D. JOHNSON Rated: 28 DAT Weed Eff. & Crop Injury. Rated Giant foxtail previously, however most foxtail there is now yellow foxtail. Rated yellow foxtail instead.
Jul-20-2016 D. JOHNSON Rated: 42 DAT Weed Eff.

Trial Comments

Reps: 4 Plots: 10 by 30 feet
Spray vol: 15 GAL/AC Mix Size: 1.8 liters (calculated mix size 1.5642)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	Untreated Check								101	303	602	804
2	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	102	402	504	703
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				
3	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	103	403	601	801
	SCEPTER	70	%W/W	WG	1.4	oz/a	A	1.258 g/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				
4	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	104	401	603	803
	CLASSIC	25	%W/W	WG	0.33	oz/a	A	0.2966 g/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				
5	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	201	304	501	704
	DUAL MAGNUM	7.62	LB/GAL	EC	20	fl oz/a	A	18.75 ml/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				
6	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	202	301	502	802
	DUAL MAGNUM	7.62	LB/GAL	EC	20	fl oz/a	A	18.75 ml/mx				
	SCEPTER	70	%W/W	WG	1.4	oz/a	A	1.258 g/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				
7	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	203	404	503	702
	PREFIX	5.264	LB/GAL	EC	2.2	pt/a	A	33.0 ml/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				

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Reps: 4 Plots: 10 by 30 feet
Spray vol: 15 GAL/AC Mix Size: 1.8 liters (calculated mix size 1.5642)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Amt Product to Measure	Rep 1	2	3	4
8	LIBERTY 280	2.34	LBA/GAL	SL	29	fl oz/a	A	27.19 ml/mx	204	302	604	701
	PREFIX	5.264	LB/GAL	EC	2.2	pt/a	A	33.0 ml/mx				
	SCEPTER	70	%W/W	WG	1.4	oz/a	A	1.258 g/mx				
	N-PAK AMS	3.4	LBA/GAL	SL	2.5	% v/v	A	45.0 ml/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
237.890	ml	LIBERTY 280	2.34	SL	
393.707	ml	N-PAK AMS	3.4	SL	
4.718	g	SCEPTER	70	WG	
0.371	g	CLASSIC	25	WG	
46.875	ml	DUAL MAGNUM	7.62	EC	
82.500	ml	PREFIX	5.264	EC	

* 'Per area' calculations based on spray volume= 15 GAL/AC, mix size= 1.8 liters (mix size basis).
* Product amount calculations increased 25 % for overage adjustment.
* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 1.8 liters.

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	1	2	3	4	5
	Pest Type						W Weed	W Weed	W Weed	W Weed
	Pest Code						AMBEL	XANOR	SETFA	ECHCG
	Pest Scientific Name						Ambrosia artem>	Xanthium orien>	Setaria faberi	Echinochloa cr>
	Pest Name						Common ragweed	Common cockleb>	Giant foxtail	Common barnyar>
	Crop Code					GLXMA				
	BBCH Scale					BSOY				
	Crop Scientific Name					Glycine max				
	Crop Name					Soybean				
	Rating Date					Jun-14-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016
	Rating Type					PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
	Rating Unit					%	%	%	%	%
	Number of Subsamples					1	1	1	1	1
	Assessed By					T. LEGLEITE	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
	SE Group No.					1	2	3	4	5
	Days After First/Last Applic.					6 6	13 13	13 13	13 13	13 13
	Trt-Eval Interval					6 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
	Plant-Eval Interval					19 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1
	Days After Emergence					14 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
	ARM Action Codes					P	P	P	P	P
	Number of Decimals					0	0	0	0	0
1	Untreated Check				101	0	0	0	0	0
					303	0	0	0	0	0
					602	0	0	0	0	0
					804	0	0	0	0	0
					Mean =	0	0	0	0	0
2	LIBERTY 280	29	fl oz/a	A	102	0	100	65	95	95
	N-PAK AMS	2.5	% v/v	A	402	2	95	90	95	95
					504	0	95	80	100	100
					703	0	95	75	95	95
					Mean =	1	96	78	96	96
3	LIBERTY 280	29	fl oz/a	A	103	0	99	95	90	95
	SCEPTER	1.4	oz/a	A	403	0	95	90	95	95
	N-PAK AMS	2.5	% v/v	A	601	0	98	95	90	90
					801	0	95	95	95	95
					Mean =	0	97	94	93	94

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Sponsor Contact: AMVAC-Joe Argentine

Pest Type		W Weed	W Weed	W Weed	W Weed	
Pest Code		AMBEL	XANOR	SETFA	ECHCG	
Pest Scientific Name		Ambrosia artem>	Xanthium orien>	Setaria faberi	Echinochloa cr>	
Pest Name		Common ragweed	Common cockleb>	Giant foxtail	Common barnyar>	
Crop Code	GLXMA					
BBCH Scale	BSOY					
Crop Scientific Name	Glycine max					
Crop Name	Soybean					
Rating Date	Jun-14-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	
Rating Unit	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	
Assessed By	T. LEGLEITE	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	
SE Group No.	1	2	3	4	5	
Days After First/Last Applic.	6 6	13 13	13 13	13 13	13 13	
Trt-Eval Interval	6 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	
Plant-Eval Interval	19 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1	
Days After Emergence	14 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	
ARM Action Codes	P	P	P	P	P	
Number of Decimals	0	0	0	0	0	

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4	5
4	LIBERTY 280	29	fl oz/a	A	104	10	98	85	98	100
	CLASSIC	0.33	oz/a	A	401	2	95	95	80	80
	N-PAK AMS	2.5	% v/v	A	603	2	95	95	90	90
					803	5	100	90	100	100
					Mean =	5	97	91	92	93
5	LIBERTY 280	29	fl oz/a	A	201	7	100	50	95	95
	DUAL MAGNUM	20	fl oz/a	A	304	5	100	80	100	90
	N-PAK AMS	2.5	% v/v	A	501	5	95	100	80	80
					704	5	95	75	100	100
					Mean =	6	98	76	94	91
6	LIBERTY 280	29	fl oz/a	A	202	7	95	95	90	90
	DUAL MAGNUM	20	fl oz/a	A	301	5	100	95	85	85
	SCEPTER	1.4	oz/a	A	502	5	100	95	95	95
	N-PAK AMS	2.5	% v/v	A	802	2	95	95	95	95
					Mean =	5	98	95	91	91
7	LIBERTY 280	29	fl oz/a	A	203	20	100	95	95	95
	PREFIX	2.2	pt/a	A	404	20	95	90	100	100
	N-PAK AMS	2.5	% v/v	A	503	15	100	75	95	95
					702	20	100	85	95	95
					Mean =	19	99	86	96	96
8	LIBERTY 280	29	fl oz/a	A	204	15	100	98	90	90
	PREFIX	2.2	pt/a	A	302	15	100	100	80	80
	SCEPTER	1.4	oz/a	A	604	20	100	90	90	90
	N-PAK AMS	2.5	% v/v	A	701	15	95	95	95	95
					Mean =	16	99	96	89	89

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Pest Type			W Weed	W Weed	W Weed	W Weed
Pest Code			AMBEL	XANOR	SETPU	ECHCG
Pest Scientific Name			Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>
Pest Name			Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>
Crop Code			GLXMA			
BBCH Scale			BSOY			
Crop Scientific Name			Glycine max			
Crop Name			Soybean			
Rating Date			Jun-21-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016
Rating Type			PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit			%	%	%	%	%
Number of Subsamples			1	1	1	1	1
Assessed By			D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.			6	7	8	9	10
Days After First/Last Applic.			13 13	30 30	30 30	30 30	30 30
Trt-Eval Interval			13 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Plant-Eval Interval			26 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1
Days After Emergence			21 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1
ARM Action Codes			P	P	P	P	P
Number of Decimals			0	0	0	0	0
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	Plot	6	7	8	9	10
1	Untreated Check			101	5	0	0	0	0
				303	0	0	0	0	0
				602	0	0	0	0	0
				804	0	0	0	0	0
				Mean =	1	0	0	0	0
2	LIBERTY 280	29 fl oz/a	A	102	5	70	20	95	80
	N-PAK AMS	2.5 % v/v	A	402	5	80	60	95	95
				504	5	90	50	95	95
				703	0	80	10	90	90
				Mean =	4	80	35	94	90
3	LIBERTY 280	29 fl oz/a	A	103	0	95	100	90	95
	SCEPTER	1.4 oz/a	A	403	5	85	95	100	100
	N-PAK AMS	2.5 % v/v	A	601	5	90	95	80	70
				801	5	90	90	95	95
				Mean =	4	90	95	91	90

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Pest Type			W Weed	W Weed	W Weed	W Weed
Pest Code			AMBEL	XANOR	SETPU	ECHCG
Pest Scientific Name			Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>
Pest Name			Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>
Crop Code			GLXMA			
BBCH Scale			BSOY			
Crop Scientific Name			Glycine max			
Crop Name			Soybean			
Rating Date			Jun-21-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016
Rating Type			PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit			%	%	%	%
Number of Subsamples			1	1	1	1
Assessed By			D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.			6	7	8	9	10
Days After First/Last Applic.			13 13	30 30	30 30	30 30	30 30
Trt-Eval Interval			13 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Plant-Eval Interval			26 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1
Days After Emergence			21 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1
ARM Action Codes			P	P	P	P	P
Number of Decimals			0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot					
4	LIBERTY 280	29	fl oz/a	A	104	10	95	70	100	100
	CLASSIC	0.33	oz/a	A	401	5	85	85	85	60
	N-PAK AMS	2.5	% v/v	A	603	5	90	80	80	75
					803	10	85	80	95	95
					Mean =	8	89	79	90	83
5	LIBERTY 280	29	fl oz/a	A	201	15	85	10	95	90
	DUAL MAGNUM	20	fl oz/a	A	304	15	85	70	95	70
	N-PAK AMS	2.5	% v/v	A	501	10	85	80	80	80
					704	5	80	75	95	95
					Mean =	11	84	59	91	84
6	LIBERTY 280	29	fl oz/a	A	202	15	95	90	90	90
	DUAL MAGNUM	20	fl oz/a	A	301	10	95	95	85	80
	SCEPTER	1.4	oz/a	A	502	10	90	95	80	85
	N-PAK AMS	2.5	% v/v	A	802	10	80	90	90	90
					Mean =	11	90	93	86	86
7	LIBERTY 280	29	fl oz/a	A	203	15	95	95	85	90
	PREFIX	2.2	pt/a	A	404	10	95	70	100	100
	N-PAK AMS	2.5	% v/v	A	503	15	95	85	90	95
					702	15	95	75	95	95
					Mean =	14	95	81	93	95
8	LIBERTY 280	29	fl oz/a	A	204	15	95	95	85	100
	PREFIX	2.2	pt/a	A	302	10	95	90	80	60
	SCEPTER	1.4	oz/a	A	604	10	95	85	100	100
	N-PAK AMS	2.5	% v/v	A	701	10	95	90	95	95
					Mean =	11	95	90	90	89

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	11	12	13	14	15
	Pest Type						W Weed	W Weed	W Weed	W Weed
	Pest Code						AMBEL	XANOR	SETPU	ECHCG
	Pest Scientific Name						Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>
	Pest Name						Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>
	Crop Code					GLXMA				
	BBCH Scale					BSOY				
	Crop Scientific Name					Glycine max				
	Crop Name					Soybean				
	Rating Date					Jul-8-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016
	Rating Type					PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
	Rating Unit					%	%	%	%	%
	Number of Subsamples					1	1	1	1	1
	Assessed By					D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
	SE Group No.					11	12	13	14	15
	Days After First/Last Applic.					30 30	42 42	42 42	42 42	42 42
	Trt-Eval Interval					30 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
	Plant-Eval Interval					43 DP-1	55 DP-1	55 DP-1	55 DP-1	55 DP-1
	Days After Emergence					38 DE-1	50 DE-1	50 DE-1	50 DE-1	50 DE-1
	ARM Action Codes					P				
	Number of Decimals					0	0	0	0	0
1	Untreated Check				101	0	0	0	0	0
					303	0	0	0	0	0
					602	0	0	0	0	0
					804	0	0	0	0	0
					Mean =	0	0	0	0	0
2	LIBERTY 280	29	fl oz/a	A	102	0	65	0	85	90
	N-PAK AMS	2.5	% v/v	A	402	0	10	0	90	95
					504	5	75	15	90	90
					703	0	0	20	85	85
					Mean =	1	38	9	88	90
3	LIBERTY 280	29	fl oz/a	A	103	0	80	100	80	95
	SCEPTER	1.4	oz/a	A	403	5	60	95	95	95
	N-PAK AMS	2.5	% v/v	A	601	0	65	90	60	60
					801	0	60	60	90	90
					Mean =	1	66	86	81	85

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	11	12	13	14	15
	Pest Type						W Weed	W Weed	W Weed	W Weed
	Pest Code						AMBEL	XANOR	SETPU	ECHCG
	Pest Scientific Name						Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>
	Pest Name						Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>
	Crop Code					GLXMA				
	BBCH Scale					BSOY				
	Crop Scientific Name					Glycine max				
	Crop Name					Soybean				
	Rating Date					Jul-8-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016
	Rating Type					PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
	Rating Unit					%	%	%	%	%
	Number of Subsamples					1	1	1	1	1
	Assessed By					D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
	SE Group No.					11	12	13	14	15
	Days After First/Last Applic.					30 30	42 42	42 42	42 42	42 42
	Trt-Eval Interval					30 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
	Plant-Eval Interval					43 DP-1	55 DP-1	55 DP-1	55 DP-1	55 DP-1
	Days After Emergence					38 DE-1	50 DE-1	50 DE-1	50 DE-1	50 DE-1
	ARM Action Codes					P				
	Number of Decimals					0	0	0	0	0
4	LIBERTY 280	29	fl oz/a	A	104	5	20	85	95	100
	CLASSIC	0.33	oz/a	A	401	0	50	50	70	50
	N-PAK AMS	2.5	% v/v	A	603	0	30	20	80	80
					803	0	20	15	85	85
					Mean =	1	30	43	83	79
5	LIBERTY 280	29	fl oz/a	A	201	5	70	0	95	95
	DUAL MAGNUM	20	fl oz/a	A	304	5	70	25	85	70
	N-PAK AMS	2.5	% v/v	A	501	5	55	55	70	70
					704	0	10	20	90	90
					Mean =	4	51	25	85	81
6	LIBERTY 280	29	fl oz/a	A	202	5	75	85	85	90
	DUAL MAGNUM	20	fl oz/a	A	301	5	80	85	85	85
	SCEPTER	1.4	oz/a	A	502	5	50	90	60	80
	N-PAK AMS	2.5	% v/v	A	802	5	20	70	80	80
					Mean =	5	56	83	78	84
7	LIBERTY 280	29	fl oz/a	A	203	5	85	75	85	90
	PREFIX	2.2	pt/a	A	404	5	75	30	100	100
	N-PAK AMS	2.5	% v/v	A	503	5	75	60	90	95
					702	5	70	0	90	90
					Mean =	5	76	41	91	94
8	LIBERTY 280	29	fl oz/a	A	204	5	95	90	65	100
	PREFIX	2.2	pt/a	A	302	5	95	90	80	60
	SCEPTER	1.4	oz/a	A	604	5	85	60	95	95
	N-PAK AMS	2.5	% v/v	A	701	5	80	50	80	70
					Mean =	5	89	73	80	81

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Pest Type
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop
Pest Code
AMBEL, Ambrosia artemisiifolia, = US
XANOR, Xanthium orientale, = US
SETFA, Setaria faberi, = US
ECHCG, Echinochloa crus-galli, = US
SETPU, Setaria pumila, = US
Crop Code
GLXMA, BSOY, Glycine max, = US
Rating Type
PHYGEN = phytotoxicity - general / injury
CONTRO = control / burndown or knockdown
Rating Unit
% = percent
Plant-Eval Interval
19 DP-1 = 1 GLXMA May-26-2016
26 DP-1 = 1 GLXMA May-26-2016
43 DP-1 = 1 GLXMA May-26-2016
55 DP-1 = 1 GLXMA May-26-2016
ARM Action Codes
P = Rating scale of 0 to 100 (e.g. % control or injury)

Pest Type			W Weed	W Weed	W Weed	W Weed	
Pest Code			AMBEL	XANOR	SETFA	ECHCG	
Pest Scientific Name			Ambrosia artem>	Xanthium orien>	Setaria faberi	Echinochloa cr>	
Pest Name			Common ragweed	Common cockleb>	Giant foxtail	Common barnyar>	
Crop Code		GLXMA					GLXMA
BBCH Scale		BSOY					BSOY
Crop Scientific Name		Glycine max					Glycine max
Crop Name		Soybean					Soybean
Rating Date		Jun-14-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016
Rating Type		PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit		%	%	%	%	%	%
Number of Subsamples		1	1	1	1	1	1
Assessed By		T. LEGLEITE	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.		1	2	3	4	5	6
Days After First/Last Applic.		6 6	13 13	13 13	13 13	13 13	13 13
Trt-Eval Interval		6 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval		19 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1
Days After Emergence		14 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
ARM Action Codes		P	P	P	P	P	P
Number of Decimals		0	0	0	0	0	0
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	1	2	3	4	5	6
1	Untreated Check			0 c	0 b	0 b	0 b	0 b	1 d
2	LIBERTY 280	29 fl oz/a	A	1 c	96 a	78 a	96 a	96 a	4 cd
	N-PAK AMS	2.5 % v/v	A						
3	LIBERTY 280	29 fl oz/a	A	0 c	97 a	94 a	93 a	94 a	4 cd
	SCEPTER	1.4 oz/a	A						
	N-PAK AMS	2.5 % v/v	A						
4	LIBERTY 280	29 fl oz/a	A	5 b	97 a	91 a	92 a	93 a	8 bc
	CLASSIC	0.33 oz/a	A						
	N-PAK AMS	2.5 % v/v	A						
5	LIBERTY 280	29 fl oz/a	A	6 b	98 a	76 a	94 a	91 a	11 ab
	DUAL MAGNUM	20 fl oz/a	A						
	N-PAK AMS	2.5 % v/v	A						
6	LIBERTY 280	29 fl oz/a	A	5 b	98 a	95 a	91 a	91 a	11 ab
	DUAL MAGNUM	20 fl oz/a	A						
	SCEPTER	1.4 oz/a	A						
	N-PAK AMS	2.5 % v/v	A						
7	LIBERTY 280	29 fl oz/a	A	19 a	99 a	86 a	96 a	96 a	14 a
	PREFIX	2.2 pt/a	A						
	N-PAK AMS	2.5 % v/v	A						

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Pest Type			W Weed	W Weed	W Weed	W Weed	
Pest Code			AMBEL	XANOR	SETFA	ECHCG	
Pest Scientific Name			Ambrosia artem>	Xanthium orien>	Setaria faberi	Echinochloa cr>	
Pest Name			Common ragweed	Common cockleb>	Giant foxtail	Common barnyar>	
Crop Code		GLXMA					GLXMA
BBCH Scale		BSOY					BSOY
Crop Scientific Name		Glycine max					Glycine max
Crop Name		Soybean					Soybean
Rating Date		Jun-14-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016	Jun-21-2016
Rating Type		PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit		%	%	%	%	%	%
Number of Subsamples		1	1	1	1	1	1
Assessed By		T. LEGLEITE	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.		1	2	3	4	5	6
Days After First/Last Applic.		6 6	13 13	13 13	13 13	13 13	13 13
Trt-Eval Interval		6 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval		19 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1	26 DP-1
Days After Emergence		14 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
ARM Action Codes		P	P	P	P	P	P
Number of Decimals		0	0	0	0	0	0
Trt No.	Treatment Name	Rate Unit	Appl Code	1	2	3	4	5	6
8	LIBERTY 280	29 fl oz/a	A	16 a	99 a	96 a	89 a	89 a	11 ab
	PREFIX	2.2 pt/a	A						
	SCEPTER	1.4 oz/a	A						
	N-PAK AMS	2.5 % v/v	A						
LSD P=.05				3.0	3.5	13.3	8.2	7.6	4.1
Standard Deviation				2.0	2.4	9.0	5.6	5.1	2.8
CV				32.17	2.78	11.76	6.82	6.33	34.66
Bartlett's X2				6.826	0.414	14.447	10.074	10.397	2.598
P(Bartlett's X2)				0.234	0.999	0.013*	0.122	0.109	0.92
Skewness				0.9217*	-2.3583*	-1.9197*	-2.2439*	-2.2466*	-0.073
Kurtosis				-0.5976	3.8456*	2.4124*	3.5033*	3.5114*	-1.0268
Replicate F				1.000	1.136	0.965	1.294	2.281	2.015
Replicate Prob(F)				0.4123	0.3575	0.4276	0.3027	0.1088	0.1427
Treatment F				51.597	847.352	50.065	141.038	163.753	10.990
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7	8	9	10	11
	Pest Type				W Weed	W Weed	W Weed	W Weed	
	Pest Code				AMBEL	XANOR	SETPU	ECHCG	
	Pest Scientific Name				Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>	
	Pest Name				Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>	
	Crop Code								GLXMA
	BBCH Scale								BSOY
	Crop Scientific Name								Glycine max
	Crop Name								Soybean
	Rating Date				Jul-8-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016
	Rating Type				CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
	Rating Unit				%	%	%	%	%
	Number of Subsamples				1	1	1	1	1
	Assessed By				D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
	SE Group No.				7	8	9	10	11
	Days After First/Last Applic.				30 30	30 30	30 30	30 30	30 30
	Trt-Eval Interval				30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
	Plant-Eval Interval				43 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1
	Days After Emergence				38 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1
	ARM Action Codes				P	P	P	P	P
	Number of Decimals				0	0	0	0	0
1	Untreated Check			A	0 d	0 d	0 b	0 b	0 b
2	LIBERTY 280	29	fl oz/a	A	80 c	35 c	94 a	90 a	1 ab
	N-PAK AMS	2.5	% v/v	A					
3	LIBERTY 280	29	fl oz/a	A	90 ab	95 a	91 a	90 a	1 ab
	SCEPTER	1.4	oz/a	A					
	N-PAK AMS	2.5	% v/v	A					
4	LIBERTY 280	29	fl oz/a	A	89 ab	79 ab	90 a	83 a	1 ab
	CLASSIC	0.33	oz/a	A					
	N-PAK AMS	2.5	% v/v	A					
5	LIBERTY 280	29	fl oz/a	A	84 bc	59 b	91 a	84 a	4 a
	DUAL MAGNUM	20	fl oz/a	A					
	N-PAK AMS	2.5	% v/v	A					
6	LIBERTY 280	29	fl oz/a	A	90 ab	93 a	86 a	86 a	5 a
	DUAL MAGNUM	20	fl oz/a	A					
	SCEPTER	1.4	oz/a	A					
	N-PAK AMS	2.5	% v/v	A					
7	LIBERTY 280	29	fl oz/a	A	95 a	81 ab	93 a	95 a	5 a
	PREFIX	2.2	pt/a	A					
	N-PAK AMS	2.5	% v/v	A					

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SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Pest Type		W Weed	W Weed	W Weed	W Weed	
Pest Code		AMBEL	XANOR	SETPU	ECHCG	
Pest Scientific Name		Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>	
Pest Name		Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>	
Crop Code						GLXMA
BBCH Scale						BSOY
Crop Scientific Name						Glycine max
Crop Name						Soybean
Rating Date		Jul-8-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016	Jul-8-2016
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit		%	%	%	%	%
Number of Subsamples		1	1	1	1	1
Assessed By		D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.		7	8	9	10	11
Days After First/Last Applic.		30 30	30 30	30 30	30 30	30 30
Trt-Eval Interval		30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Plant-Eval Interval		43 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1
Days After Emergence		38 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1
ARM Action Codes		P	P	P	P	P
Number of Decimals		0	0	0	0	0
Trt No.	Treatment Name	Rate Unit	Appl Code	7	8	9	10	11
8	LIBERTY 280	29 fl oz/a	A	95 a	90 a	90 a	89 a	5 a
	PREFIX	2.2 pt/a	A					
	SCEPTER	1.4 oz/a	A					
	N-PAK AMS	2.5 % v/v	A					
LSD P=.05				6.6	22.3	9.8	16.6	2.6
Standard Deviation				4.5	15.1	6.7	11.3	1.8
CV				5.76	22.81	8.39	14.66	62.85
Bartlett's X2				4.265	25.914	5.07	10.493	0.0
P(Bartlett's X2)				0.371	0.001*	0.535	0.105	.
Skewness				-2.1917*	-1.1344*	-2.1908*	-1.8754*	-0.2645
Kurtosis				3.3471*	-0.2991	3.3658*	2.3435*	-2.0633*
Replicate F				1.089	1.039	1.268	1.705	1.000
Replicate Prob(F)				0.3755	0.3958	0.3108	0.1967	0.4123
Treatment F				202.022	19.639	93.221	30.865	5.571
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0010

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	W Weed AMBEL Ambrosia artem> Common ragweed	W Weed XANOR Xanthium orien> Common cockleb>	W Weed SETPU Setaria pumila yellow foxtail	W Weed ECHCG Echinochloa cr> Common barnyar>
	Crop Code							
	BBCH Scale							
	Crop Scientific Name							
	Crop Name							
	Rating Date				Jul-20-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016
	Rating Type				CONTRO	CONTRO	CONTRO	CONTRO
	Rating Unit				%	%	%	%
	Number of Subsamples				1	1	1	1
	Assessed By				D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
	SE Group No.				12	13	14	15
	Days After First/Last Applic.				42 42	42 42	42 42	42 42
	Trt-Eval Interval				42 DA-A	42 DA-A	42 DA-A	42 DA-A
	Plant-Eval Interval				55 DP-1	55 DP-1	55 DP-1	55 DP-1
	Days After Emergence				50 DE-1	50 DE-1	50 DE-1	50 DE-1
	ARM Action Codes							
	Number of Decimals				0	0	0	0
1	Untreated Check				0 d	0 d	0 b	0 b
2	LIBERTY 280	29	fl oz/a	A	38 c	9 cd	88 a	90 a
	N-PAK AMS	2.5	% v/v	A				
3	LIBERTY 280	29	fl oz/a	A	66 abc	86 a	81 a	85 a
	SCEPTER	1.4	oz/a	A				
	N-PAK AMS	2.5	% v/v	A				
4	LIBERTY 280	29	fl oz/a	A	30 c	43 bc	83 a	79 a
	CLASSIC	0.33	oz/a	A				
	N-PAK AMS	2.5	% v/v	A				
5	LIBERTY 280	29	fl oz/a	A	51 bc	25 cd	85 a	81 a
	DUAL MAGNUM	20	fl oz/a	A				
	N-PAK AMS	2.5	% v/v	A				
6	LIBERTY 280	29	fl oz/a	A	56 abc	83 a	78 a	84 a
	DUAL MAGNUM	20	fl oz/a	A				
	SCEPTER	1.4	oz/a	A				
	N-PAK AMS	2.5	% v/v	A				
7	LIBERTY 280	29	fl oz/a	A	76 ab	41 bc	91 a	94 a
	PREFIX	2.2	pt/a	A				
	N-PAK AMS	2.5	% v/v	A				

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		AMBEL	XANOR	SETPU	ECHCG
Pest Scientific Name		Ambrosia artem>	Xanthium orien>	Setaria pumila	Echinochloa cr>
Pest Name		Common ragweed	Common cockleb>	yellow foxtail	Common barnyar>
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date		Jul-20-2016	Jul-20-2016	Jul-20-2016	Jul-20-2016
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Assessed By		D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.		12	13	14	15
Days After First/Last Applic.		42 42	42 42	42 42	42 42
Trt-Eval Interval		42 DA-A	42 DA-A	42 DA-A	42 DA-A
Plant-Eval Interval		55 DP-1	55 DP-1	55 DP-1	55 DP-1
Days After Emergence		50 DE-1	50 DE-1	50 DE-1	50 DE-1
ARM Action Codes					
Number of Decimals		0	0	0	0
Trt No.	Treatment Name	Rate Unit	Appl Code	12	13	14	15
8	LIBERTY 280	29 fl oz/a	A	89 a	73 ab	80 a	81 a
	PREFIX	2.2 pt/a	A				
	SCEPTER	1.4 oz/a	A				
	N-PAK AMS	2.5 % v/v	A				
LSD P=.05				25.6	28.7	14.8	18.1
Standard Deviation				17.4	19.5	10.1	12.3
CV				34.3	43.48	13.78	16.59
Bartlett's X2				14.194	7.313	6.906	13.29
P(Bartlett's X2)				0.028*	0.293	0.33	0.039*
Skewness				-0.4832	0.0566	-1.9206*	-1.7481*
Kurtosis				-1.2968	-1.6197*	2.531*	1.9512*
Replicate F				4.170	2.451	0.924	1.777
Replicate Prob(F)				0.0183	0.0917	0.4465	0.1824
Treatment F				10.445	11.456	35.155	24.358
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

Purdue Weed Science

SCEPTER POST EMERGENCE TANK MIXTURES FOR RESIDUAL CONTROL OF WEEDS IN LL SOYBEANS

Trial ID: 16S-SEP-SOY-08 Location: SEPAC Trial Year: 2016
Protocol ID: 16S-SEP-SOY-08 Investigator: Dr. Bill Johnson
Project ID: 16C05H065 Study Director: Dustin Johnson
Sponsor Contact: AMVAC-Joe Argentine

Pest Type
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop
Pest Code
AMBEL, Ambrosia artemisiifolia, = US
XANOR, Xanthium orientale, = US
SETFA, Setaria faberi, = US
ECHCG, Echinochloa crus-galli, = US
SETPU, Setaria pumila, = US
Crop Code
GLXMA, BSOY, Glycine max, = US
Rating Type
PHYGEN = phytotoxicity - general / injury
CONTRO = control / burndown or knockdown
Rating Unit
% = percent
Plant-Eval Interval
19 DP-1 = 1 GLXMA May-26-2016
26 DP-1 = 1 GLXMA May-26-2016
43 DP-1 = 1 GLXMA May-26-2016
55 DP-1 = 1 GLXMA May-26-2016
ARM Action Codes
P = Rating scale of 0 to 100 (e.g. % control or injury)