

ISPOB Residual Herbicide Tank-Mixtures: Weed Free Study - SIU.

Trial ID: 11-14

Location: Belleville Res Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 6-6-11

Objectives: Evaluate the crop response and yield of soybean following a preplant application of tank-mixtures of residual herbicides under weed-free conditions.

Crop 1: GLXMA Soybean Variety: AG 4005 Description: RR
 Planting Method: SEEDED Planting Date: 6-6-11
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Code: NA

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: REDUCED-TILL
 Replications: 4 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2010

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.8 Texture: SILT LOAM
 pH: 6.5 Soil Name: BETHALTO
 CEC: 11 Fert. Level: P1: 88 LB/A, K: 342 LB/A

Application Description

A
 Application Date: 6-7-11
 Time of Day: 9:15
 Application Method: Spray
 Application Timing: 0-7DBP
 Application Placement: BROSOI
 Applied By: JRK
 Air Temperature, Unit: 88 F
 % Relative Humidity: 57
 Wind Velocity, Unit: 3 MPH
 Wind Direction: W
 Dew Presence (Y/N): N
 Soil Temperature, Unit: 76 F
 Soil Moisture: NORMAL
 % Cloud Cover: 0

7-6-11

Crop stage at application: NA

Pest Stage At Each Application

Application Date: 6-7-11
 Weed Code: NA
 Stage Majority (leaves): NA

Application Equipment

Appl. Equipment: CO2 sprayer
 Operating Pressure: 30 PSI
 Nozzle Type: Flat fan
 Nozzle Size: XR 8002
 Boom Length, Unit: 10 FT
 Spray Volume, Unit: 15 GPA

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Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 10-17-11 Moisture Percent	GLXMA 10-17-11 Yield bu/A	GLXMA 6-28-11 Plants 1 m row 3 WAP 21 DA-A	GLXMA 10-13-11 Plants 1 m row EOS	GLXMA 10-17-11 Seed wt g/ 200	GLXMA 6-28-11 V Stage 3 WAP	GLXMA 7-19-11 V Stage 6 WAP
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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code														
1	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.2	a-d	67	a	27.0	ab	27.3	a	32.0	a	2.1	a-d	7.6	c-g
2	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.3	abc	61	a-f	23.3	b-g	22.1	bcd	32.5	a	2.4	a	7.1	e-h
3	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.3	a	65	abc	24.3	b-e	22.6	abc	31.6	a	2.2	a-d	8.5	abc
4	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.2	a-e	64	a-d	23.0	b-g	22.0	b-e	32.0	a	2.0	a-d	8.1	a-f
5	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.3	ab	61	a-f	23.1	b-g	20.5	c-g	31.1	a	2.1	a-d	7.2	d-h
5	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A														
6	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.2	a-e	67	a	26.9	ab	24.4	abc	31.8	a	2.0	bcd	7.6	b-g
6	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A														
7	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.1	cde	63	a-d	26.4	abc	24.3	abc	32.0	a	1.9	cd	8.4	a-d
7	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A														
8	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.1	de	60	a-g	25.0	a-d	22.2	bc	32.1	a	2.2	a-d	8.8	a
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A														
9	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	11.2	b-e	65	ab	26.0	a-d	24.5	abc	31.7	a	2.1	a-d	8.6	abc
9	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A														
10	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.2	a-e	56	e-h	24.1	b-f	19.9	c-g	31.4	a	2.1	a-d	6.2	h
10	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A														
11	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.3	a	59	b-g	22.9	b-g	20.9	c-g	31.5	a	2.1	a-d	7.2	d-h
11	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A														
12	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.2	a-e	58	d-h	20.0	e-i	20.0	c-g	32.0	a	2.4	ab	7.5	c-g
12	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A														
13	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.2	a-e	55	fgh	17.6	hi	17.1	d-h	32.4	a	1.8	cd	6.8	gh
13	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A														
14	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11.2	a-e	62	a-d	21.5	d-h	19.5	c-g	31.4	a	2.0	a-d	7.5	c-g
14	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A														
15	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.2	a-d	62	a-e	22.9	b-g	21.4	c-f	31.7	a	2.1	a-d	8.3	a-d
15	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A														
16	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.2	a-d	63	a-d	22.0	c-h	20.8	c-g	32.2	a	1.8	d	7.8	a-g
16	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A														
17	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.2	a-e	63	a-d	22.6	b-g	21.8	b-e	31.6	a	2.0	bcd	8.8	ab
17	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A														
18	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.1	e	61	a-f	23.9	b-g	22.6	abc	29.2	b	2.2	abc	7.9	a-g
18	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A														
19	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11.2	a-e	67	a	25.0	a-d	23.8	abc	32.4	a	2.1	a-d	8.8	ab
19	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A														
20	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.2	a-e	51	h	19.4	ghi	16.0	gh	32.0	a	1.9	cd	6.9	fgh
20	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A														
21	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.1	b-e	54	gh	15.7	i	14.2	h	31.6	a	2.0	bcd	8.2	a-e
21	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A														
22	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.2	a-e	55	e-h	15.4	i	14.1	h	31.9	a	1.9	cd	7.6	c-g
22	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A														
23	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.1	de	60	a-g	17.8	hi	16.7	fgh	31.6	a	1.8	cd	7.8	a-g
23	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A														
24	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	11.2	b-e	59	c-g	19.5	f-i	17.0	e-h	31.5	a	1.9	cd	8.1	a-e
24	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A														
25	NONTREATED									11.2	a-d	66	a	29.4	a	26.5	ab	31.9	a	2.2	a-d	7.9	a-g

LSD (P=.05)

0.15 6.9 4.71 5.04 1.93 0.43 1.19

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Pest Code									
Crop Code									
Rating Date	10-17-11	10-17-11	6-28-11	10-13-11	10-17-11	6-28-11	7-19-11		
Rating Data Type	Moisture	Yield	Plants	Plants	Seed wt	V Stage	V Stage		
Rating Unit	Percent	bu/A	1 m row	1 m row	g/ 200				
Rating Timing			3 WAP			3 WAP	6 WAP		
Trt-Eval Interval			21 DA-A	EOS	132 DA-A	21 DA-A	42 DA-A		

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F		62.418				5.405			
Replicate Prob(F)		0.0001				0.0021			
Treatment F		1.243				3.401			
Treatment Prob(F)		0.2387				0.0001			

Means followed by same letter do not significantly differ (P=.05, LSD)

ISPOB Residual Herbicide Tank-Mixtures: Weed Free Study - SIU.

Trial ID: 11-14

Location: Belleville Res Center

Pest Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code	6-28-11	6-28-11	6-28-11	6-28-11	7-19-11	7-19-11	7-19-11	7-19-11
Rating Date	Injury	Stunt	Chlorosis	Necrosis	Injury	Stunt	Chlorosis	Necrosis
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	3 WAP	3 WAP	3 WAP	3 WAP	6 WAP	6 WAP	6 WAP	6 WAP
Rating Timing	21 DA-A	21 DA-A	21 DA-A	21 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code																
1	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	3	mn	3	lm	0	b	0	c	0	c	0	d	0	a	0	a
2	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	11	ijk	11	hij	0	b	0	c	0	c	0	d	0	a	0	a
3	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	5	k-n	5	j-m	0	b	0	c	0	c	0	d	0	a	0	a
4	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	20	fgh	19	efg	1	ab	0	c	3	c	3	c	0	a	0	a
5	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	5	lmn	5	klm	0	b	0	c	0	c	0	d	0	a	0	a
5	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A																
6	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	4	mn	4	lm	0	b	0	c	0	c	0	d	0	a	0	a
6	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A																
7	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	4	mn	4	lm	0	b	0	c	0	c	0	d	0	a	0	a
7	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A																
8	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	5	k-n	5	j-m	0	b	0	c	1	c	1	cd	0	a	0	a
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A																
9	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	6	j-n	6	i-m	0	b	0	c	0	c	0	d	0	a	0	a
9	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A																
10	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	25	def	25	cde	0	b	0	c	10	b	8	b	0	a	0	a
10	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A																
11	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	21	efg	21	def	0	b	0	c	4	c	3	c	0	a	0	a
11	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A																
12	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	22	ef	20	ef	2	a	0	c	2	c	0	d	0	a	0	a
12	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A																
13	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	35	b	33	b	0	b	5	a	10	b	7	b	0	a	0	a
13	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A																
14	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	15	ghi	15	fgh	1	ab	1	b	1	c	1	cd	0	a	0	a
14	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A																
15	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11	i-l	11	h-k	0	b	0	c	0	c	0	d	0	a	0	a
15	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A																
16	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	13	hi	13	gh	0	b	0	c	2	c	2	cd	0	a	0	a
16	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A																
17	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	13	ij	13	ghi	0	b	0	c	1	c	1	cd	0	a	0	a
17	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A																
18	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	11	ijk	11	hij	0	b	0	c	0	c	0	d	0	a	0	a
18	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A																
19	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	9	i-m	9	h-l	0	b	0	c	0	c	0	d	0	a	0	a
19	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A																
20	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	32	bc	32	b	0	b	0	c	30	a	20	a	0	a	0	a
20	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A																
21	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	50	a	50	a	0	b	0	c	30	a	18	a	0	a	0	a
21	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A																
22	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	29	bcd	28	bc	1	ab	0	c	13	b	7	b	0	a	0	a
22	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A																
23	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	26	c-f	24	cde	2	a	0	c	11	b	6	b	0	a	0	a
23	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A																
24	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	27	cde	27	bcd	0	b	0	c	11	b	8	b	0	a	0	a
24	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A																
25	NONTREATED									0	n	0	m	0	b	0	c	0	c	0	d	0	a	0	a

LSD (P=.05)

6.6 6.7 1.5 0.7 4.2 2.3 0.0 0.0

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Pest Code									
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Date	6-28-11	6-28-11	6-28-11	6-28-11	7-19-11	7-19-11	7-19-11	7-19-11	7-19-11
Rating Data Type	Injury	Stunt	Chlorosis	Necrosis	Injury	Stunt	Chlorosis	Necrosis	Necrosis
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing	3 WAP	3 WAP	3 WAP	3 WAP	6 WAP	6 WAP	6 WAP	6 WAP	6 WAP
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	21 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F		4.890		6.756		1.320		0.944	2.185
Replicate Prob(F)		0.0039		0.0005		0.2750		0.4241	0.0977
Treatment F		27.863		25.794		1.161		15.741	33.427
Treatment Prob(F)		0.0001		0.0001		0.3084		0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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Pest Code														
Crop Code														
Rating Date														
Rating Data Type														
Rating Unit														
Rating Timing														
Trt-Eval Interval														
										GLXMA	GLXMA	GLXMA	GLXMA	
										8-9-11	8-9-11	8-9-11	8-9-11	
										Injury	Stunt	Chlorosis	Necrosis	
										Percent	Percent	Percent	Percent	
										9 WAP	9 WAP	9 WAP	9 WAP	
										63 DA-A	63 DA-A	63 DA-A	63 DA-A	

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	0	f	0	g	0	a
2	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	0	f	0	g	0	a
3	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	0	f	0	g	0	a
4	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	2	def	2	efg	0	a
5	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	0	f	0	g	0	a
5	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A						
6	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	0	f	0	g	0	a
6	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A						
7	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	0	f	0	g	0	a
7	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A						
8	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	2	def	2	efg	0	a
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A						
9	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	0-7DBP	A	0	f	0	g	0	a
9	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A						
10	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	8	b-e	8	c	0	a
10	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A						
11	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	3	c-f	3	d-g	0	a
11	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A						
12	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	0	f	0	g	0	a
12	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A						
13	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	8	bc	6	cde	0	a
13	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A						
14	SPARTAN SC	4	SC	0.5	lb ai/a	16	fl oz/a	0-7DBP	A	1	f	1	fg	0	a
14	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A						
15	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	0	f	0	g	0	a
15	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	0-7DBP	A						
16	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	1	ef	1	efg	0	a
16	BOUNDARY	6.5	EC	1.7	lb ai/a	2.1	pt/a	0-7DBP	A						
17	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	0	f	0	g	0	a
17	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	0-7DBP	A						
18	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	0	f	0	g	0	a
18	SHARPEN	2.85	SC	0.0223	lb ai/a	1.0	fl oz/a	0-7DBP	A						
19	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	0-7DBP	A	0	f	0	g	0	a
19	KIH-485	85	WG	0.106	lb ai/a	2	oz/a	0-7DBP	A						
20	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	28	a	24	a	0	a
20	PROWL H2O	3.8	CS	2.38	lb ai/a	5	pt/a	0-7DBP	A						
21	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	25	a	15	b	0	a
21	BOUNDARY	6.5	EC	3.4	lb ai/a	4.2	pt/a	0-7DBP	A						
22	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	10	b	8	c	0	a
22	PREFIX	5.29	EC	3.3	lb ai/a	5.0	pt/a	0-7DBP	A						
23	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	8	bcd	5	c-f	0	a
23	SHARPEN	2.85	SC	0.0445	lb ai/a	2.0	fl oz/a	0-7DBP	A						
24	VALOR SX	51	WG	0.16	lb ai/a	5.0	oz/a	0-7DBP	A	8	b-e	7	cd	0	a
24	KIH-485	85	WG	0.213	lb ai/a	4	oz/a	0-7DBP	A						
25	NONTREATED									0	f	0	g	0	a
LSD (P=.05)										6.3		4.7		0.0	0.0

ISPOB Residual Herbicide Tank-Mixtures: Weed Free Study - SIU.

Trial ID: 11-14

Location: Belleville Res Center

Pest Code				
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA
Rating Date	8-9-11	8-9-11	8-9-11	8-9-11
Rating Data Type	Injury	Stunt	Chlorosis	Necrosis
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	9 WAP	9 WAP	9 WAP	9 WAP
Trt-Eval Interval	63 DA-A	63 DA-A	63 DA-A	63 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F		0.840		0.780		0.000		0.000	
Replicate Prob(F)		0.4767		0.5089		1.0000		1.0000	
Treatment F		11.269		11.442		0.000		0.000	
Treatment Prob(F)		0.0001		0.0001		1.0000		1.0000	

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: ISA - Res_Hb_Tm_WF-SIU.
2. Trial is to be maintained weed-free.
Ratings: CI (overall, stunting, chlorosis, necrosis) at 3, 6, and 9 WAP.
Determine growth stage of 10 plants/plot at each evaluation. Photos at all evaluation timings.
3. Determine soybean population (count plants in 1 meter of row at 2 locations in each plot) at 3 WAP and at harvest.
4. Yield is required. Measure weight of 200 seeds/plot.
Complete harvest index evaluation may be prudent, but not confirmed at this time.
5. Boundary and Prefix rates may be adjusted to match local practices.
6. WAP = Weeks after planting.
GLXMA Plants 1 m row = Soybean stand counts per 1.0 meter of row (average of 2 subsamples per plot).
GLXMA V Stage = Soybean vegetative stage.
GLXMA Seed wt g/ 200 = Soybean seed weight per 200 seeds.
7. Ratings at 3 weeks after planting was on 6-28-11.
Ratings at 6 weeks after planting was on 7-19-11.
Ratings at 9 weeks after planting was on 8-19-11.
8. Missing data due to standing water in some plots.
9. Study Incomplete, to be harvested.