

1-25-08 (07-22-S70)

Southern Illinois University

Weed Control in Liberty Link Soybean.

Project Code: 07-22-S70 Location: Belleville Research Center
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: Final Updated: 1-23-08

Objective:

To evaluate weed control from soil-applied herbicides followed by glufosinate in Liberty Link soybean.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. AMATA	waterhemp, common	Amaranthus rudis Sauer
3. CHEAL	lambsquarters, common	Chenopodium album L.
4. IPOHE	morningglory, ivyleaf	Ipomoea hederacea (L.) Jacq.
5. CYPES	nutsedge, yellow	Cyperus esculentus L.

Crop 1:	GLXMA soybean	Variety:	SG3578NLL
Planting Method:	Seeded	Planting Date:	6-1-07
Rate:	180000 S/A	Depth:	1.25 IN
Row Spacing:	30 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	27 FT	Reps:	3
Tillage Type:	Reduced-Till	Study Design:	Randomized complete block		
Previous Crop, Year:	ZEAMX, 2006				
Field Prep./Maintenance:	N 0 LB/A, P205 0 LB/A, K20 100 LB/A				

Soil Name:	Clarksdale	% OM:	2.1	pH:	6.8	CEC:	10
Texture:	Silt loam	Fert. Level:	P1: 91 LB/A, K: 293 LB/A				

APPLICATION DESCRIPTION		A	B	C	D
Application Date:	6-1-07	6-22-07	6-22-07	7-11-07	
Time of Day:	11:00	8:00	8:30	18:30	
Application Method:	Spray	Spray	Spray	Spray	
Application Timing:	PRE	1-3"W	2-4"W	2-4"W-IN	
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	
Air Temp., Unit:	84 F	76 F	76 F	75 F	
% Relative Humidity:	60	74	74	50	
Wind Velocity, Unit:	5 MPH	2-4 MPH	2-4 MPH	1-4 MPH	
Dew Presence (Y/N):	N	N	N	N	
Soil Temp., Unit:	78 F	77 F	77 F	78 F	
Soil Moisture:	ABONOR	BELNOR	BELNOR	NORMAL	
% Cloud Cover:	100	20	20	10	

CROP STAGE AT EACH APPLICATION		A	B	C	D
Crop 1 Code, Stage:	GLXMA NA	GLXMA V2-V3	GLXMA V2-V3	GLXMA V9-R1	
Height, Unit:	NA NA	3-7 IN	3-7 IN	12-20 IN	

WEED STAGE AT EACH APPLICATION		A	B	C	D
Weed 1 Code:		SETFA	SETFA	SETFA	
Stage(leaves):		1-4	1-4	2-4	
Height(inches):		1-4	1-4	2-5	
Density:		Medium	Medium	Low	
Weed 2 Code:		AMATA	AMATA		
Stage(leaves):		1-8	1-8		
Height(inches):		1-4	1-4		
Density:		Medium	Medium		
Weed 3 Code:		CHEAL	CHEAL		
Stage(leaves):		2-10	2-10		
Height(inches):		1-3	1-3		
Density:		Low	Low		
Weed 4 Code:		IPOHE	IPOHE	IPOHE	
Stage(leaves):		2-5	2-5	Coty-5	
Height(inches):		1-2	1-2	1-5	
Density:		Low	Low	High	
Weed 5 Code:		CYPES	CYPES	CYPES	
Stage(leaves):		2-7	2-7	3-10	
Height(inches):		1-3	1-3	1.5-10	
Density:		Low	Low	Low	

APPLICATION EQUIPMENT		A	B	C	D
Appl. Equipment:	CO2 Sprayer	CO2 Sprayer	CO2 Sprayer	CO2 Sprayer	
Operating Pressure:	35 PSI	35 PSI	35 PSI	35 PSI	
Nozzle Type:	Flat Fan	Flat Fan	Flat Fan	Flat Fan	
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	
Boom Length, Unit:	6.67 FT	6.67 FT	6.67 FT	6.67 FT	
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	

NOTES:

Weed Control in Liberty Link Soybean.

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										GLXMA	GLXMA	GLXMA	GLXMA	SETFA	SETFA	SETFA
Weed Code										Injury	Injury	Injury	Injury	Control	Control	Control
Crop Code										Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type										6-22-07	6-29-07	7-6-07	7-27-07	6-22-07	7-6-07	7-27-07
Rating Unit										21 DA-A	28 DA-A	35 DA-A	56 DA-A	21 DA-A	35 DA-A	56 DA-A
Rating Date																
Trt-Eval Interval																
Trt	Treatment	Form	Form	Rate	Rate	Prod	Prod	Grow	Appl							
No.	Name	Conc	Type	Unit	Unit	Rate	Unit	Stg	Code							
1	NONTREATED									0 a	0 a	0 a	0 a	0 b	0 d	0 b
2	PROWL H2O	3.8	CS	1.43	lb ai/a	3	pt/a	PRE	A	0 a	0 a	0 a	0 a	72 a	98 ab	99 a
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
3	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	0 a	0 a	0 a	0 a	40 ab	97 c	99 a
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
4	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	PRE	A	0 a	0 a	0 a	0 a	80 a	98 ab	99 a
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	0 a	0 a	0 a	0 a	58 a	99 a	99 a
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
6	VALOR XLT	40.3	WG	0.0756	lb ai/a	3	oz/a	PRE	A	0 a	0 a	0 a	0 a	50 a	98 ab	99 a
6	->VALOR SX	51	WG	0.056	lb ai/a	1.76	oz/a	PRE	A							
6	->CLASSIC	25	WG	0.0194	lb ai/a	1.24	oz/a	PRE	A							
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
7	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	0 a	0 a	0 a	0 a	53 a	98 ab	99 a
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
8	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	0 a	0 a	0 a	0 a	47 a	98 abc	99 a
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C							
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D							
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
9	SCEPTER	70	WG	0.063	lb ai/a	1.44	oz/a	PRE	A	0 a	0 a	0 a	0 a	58 a	98 bc	99 a
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B		0 a	0 a	0 a		97 c	99 a
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C							
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D							
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B		0 a	0 a	0 a		98 abc	99 a
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C							
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C							
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D							
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D							
LSD (P=.05)										0.0	0.0	0.0	0.0	43.0	0.7	0.0
Replicate F										0.000	0.000	0.000	0.000	4.933	3.968	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	0.0214	0.0354	1.0000
Treatment F										0.000	0.000	0.000	0.000	2.502	13732.288	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	0.0564	0.0001	1.0000

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

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Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	CHEAL	CHEAL	CHEAL
Crop Code						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-22-07	7-6-07	7-27-07	6-22-07	7-6-07	7-27-07
Trt-Eval Interval	21 DA-A	35 DA-A	56 DA-A	21 DA-A	35 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									0 d	0 c	0 c	0 c	0 c	0 c
2	PROWL H2O	3.8	CS	1.43	lb ai/a	3	pt/a	PRE	A	96 ab	99 a	99 a	99 a	96 b	99 a
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
3	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	65 bc	99 a	99 a	63 ab	99 a	99 b
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
4	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	PRE	A	85 abc	99 a	99 a	86 ab	99 a	99 a
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	99 a	99 a	99 a	93 ab	99 a	99 a
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
6	VALOR XLT	40.3	WG	0.0756	lb ai/a	3	oz/a	PRE	A	93 ab	99 a	99 a	99 a	99 a	99 a
6	->VALOR SX	51	WG	0.056	lb ai/a	1.76	oz/a	PRE	A						
6	->CLASSIC	25	WG	0.0194	lb ai/a	1.24	oz/a	PRE	A						
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
7	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	55 c	99 a	99 a	70 ab	99 a	99 a
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
8	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	60 c	99 a	99 a	73 ab	99 a	99 a
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
9	SCEPTER	70	WG	0.063	lb ai/a	1.44	oz/a	PRE	A	13 d	99 a	99 b	60 b	99 a	99 a
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B		99 b	99 a		99 a	99 a
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B		99 a	99 a		99 a	99 a
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						

LSD (P=.05) 32.1 0.3 0.3 38.1 2.7 0.3

Replicate F 0.288 1.000 1.000 7.291 1.247 1.000
Replicate Prob(F) 0.7538 0.3855 0.3855 0.0056 0.3088 0.3855
Treatment F 11.168 88150.610 88150.610 5.815 1093.456 88150.610
Treatment Prob(F) 0.0001 0.0001 0.0001 0.0014 0.0001 0.0001

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

1-25-08 (07-22-S70)

Southern Illinois University

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Investigator: Bryan Young

Weed Code	IPOHE	IPOHE	IPOHE	CYPES	CYPES	CYPES
Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	6-22-07	7-6-07	7-27-07	6-22-07	7-6-07	7-27-07
Rating Date	21 DA-A	35 DA-A	56 DA-A	21 DA-A	35 DA-A	56 DA-A
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									0 c	0 f	0 b	0 a	0 e	0 b
2	PROWL H2O	3.8	CS	1.43	lb ai/a	3	pt/a	PRE	A	17	bc	73	de	99	a
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					23	a
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					90	bcd
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						
3	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	40	abc	82	c	98	a
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					0	a
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					95	ab
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						99
4	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	PRE	A	73	a	73	de	99	a
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					43	a
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					94	abc
4	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						99
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	60	ab	90	b	99	a
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					20	a
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					95	ab
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						99
6	VALOR XLT	40.3	WG	0.0756	lb ai/a	3	oz/a	PRE	A	77	a	97	a	99	a
6	->VALOR SX	51	WG	0.056	lb ai/a	1.76	oz/a	PRE	A					36	a
6	->CLASSIC	25	WG	0.0194	lb ai/a	1.24	oz/a	PRE	A					95	ab
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						97
7	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	67	a	98	a	98	a
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					43	a
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					97	a
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						98
8	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	58	ab	98	a	99	a
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C					20	a
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					96	a
8	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						98
9	SCEPTER	70	WG	0.063	lb ai/a	1.44	oz/a	PRE	A	55	ab	74	d	98	a
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C					0	a
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C					88	d
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						97
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B			68	e	98	a
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B					88	d
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W	C						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	2-4"W-IN	D						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						96
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B			72	de	99	a
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B					89	cd
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W	C						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W	C						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-IN	D						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-IN	D						95
LSD (P=.05)										45.7	5.7	0.7	62.1	5.4	4.5
Replicate F										0.228	0.616	14.906	0.721	0.977	1.287
Replicate Prob(F)										0.7985	0.5502	0.0001	0.5033	0.3937	0.2980
Treatment F										2.922	198.821	16498.681	0.759	234.569	377.069
Treatment Prob(F)										0.0324	0.0001	0.0001	0.6427	0.0001	0.0001

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

Trial Comments

1. Protocol: Bayer.
2. Following the PRE application only 0.08 inches of rainfall was recorded during the next 23 days, thus weed control on June 22, 2007 (prior to the POST treatments) was highly variable.
3. DA-A = Days after PRE application.
4. Not harvested.