

Weed Control in No-Till Liberty Link Soybean - General Burndown.

Project Code: 07-22-N60 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 in no-till Liberty Link soybean.

Weed Code	Common Name	Scientific Name
1.	ERICA horseweed	Conyza canadensis (L.) Crong.
2.	SETFA foxtail, giant	Setaria faberi Herrm.
3.	AMATA waterhemp, common	Amaranthus rudis Sauer
4.	IPOHE morningglory, ivyleaf	Ipomoea hederacea (L.) Jacq.

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: No-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
Application Date:	5-19-07	6-19-07	7-11-07
Time of Day:	11:00	7:00	18:00
Application Method:	Spray	Spray	Spray
Application Timing:	7DBP	1-3"w	3-4"W-IN
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	76 F	73 F	78 F
% Relative Humidity:	28	91	56
Wind Velocity, Unit:	3-5 MPH	1-5 MPH	3-6 MPH
Dew Presence (Y/N):	N	Y	N
Soil Temp., Unit:	72 F	76 F	78 F
Soil Moisture:	ABONOR	NORMAL	NORMAL
% Cloud Cover:	0	90	100

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA NA	GLXMA V1-V2	GLXMA V9-R1
Height, Unit:	NA NA	3-6 IN	16-20 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code:	ERICA	ERICA	
Stage(leaves):	2-45	8-20	
Height(inches):	1-15	2-12	
Density:	Medium	Low	
Weed 2 Code:	SETFA	SETFA	SETFA
Stage(leaves):	1-4	1-10	2-3
Height(inches):	1-5	1-12	3-4
Density:	Low	Low	Low
Weed 3 Code:	CHEAL		
Stage(leaves):	4-20		
Height(inches):	1-9		
Density:	Low		
Weed 4 Code:		AMATA	AMATA
Stage(leaves):		coty-8	coty-4
Height(inches):		0.5-6	1-4
Density:		Low	Low
Weed 5 Code:		IPOHE	IPOHE
Stage(leaves):		2-6	coty-6
Height(inches):		1-3	1-5
Density:		Low	Low

APPLICATION EQUIPMENT

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

NOTES:

Weed Control in No-Till Liberty Link Soybean - General Burndown.

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Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA
 Injury Injury Injury Injury Injury Injury Injury
 Percent Percent Percent Percent Percent Percent Percent
 6-19-07 6-24-07 6-29-07 7-3-07 7-11-07 7-17-07 7-24-07
 0 DA-B 5 DA-B 10 DA-B 14 DA-B 0 DA-C 6 DA-C 13 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
1	NONTREATED									0 a	0 a	0 a	0 a	0 a	0 a	0 a
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
2	VALOR XLT					3	oz/a	7EPP	A							
2	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A							
2	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A							
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
3	VALOR XLT					3	oz/a	7EPP	A							
3	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A							
3	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A							
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
4	VALOR XLT					3	oz/a	7EPP	A							
4	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A							
4	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A							
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B							
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	3-4"W-IN	C							
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
5	VALOR SX	51	WG	0.056	lb ai/a	1.75	oz/a	7EPP	A							
5	SENCOR	75	WG	0.28	lb ai/a	6	oz/a	7EPP	A							
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
6	CANOPY	75	WG	0.187	lb ai/a	4	oz/a	7EPP	A							
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
7	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	7EPP	A							
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
8	BOUNDARY	6.5	EC	1.95	lb ai/a	2.4	pt/a	7EPP	A							
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
8	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
8	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							

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 Trt-Eval Interval

GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Injury	Injury	Injury	Injury	Injury	Injury	Injury
Percent	Percent	Percent	Percent	Percent	Percent	Percent
6-19-07	6-24-07	6-29-07	7-3-07	7-11-07	7-17-07	7-24-07
0 DA-B	5 DA-B	10 DA-B	14 DA-B	0 DA-C	6 DA-C	13 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
9	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B							
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C							
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B							
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	3-4"W-IN	C							
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	7EPP	A	0 a	0 a	0 a	0 a	0 a	0 a	0 a
11	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A							
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A							
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B							
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	3-4"W-IN	C							
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C							
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

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

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										ERICA	ERICA	ERICA	ERICA	SETFA	SETFA	SETFA	SETFA
										Control	Control	Control	Control	Control	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
										6-19-07	7-3-07	7-11-07	7-24-07	6-19-07	7-3-07	7-11-07	7-24-07
										0 DA-B	14 DA-B	0 DA-C	13 DA-C	0 DA-B	14 DA-B	0 DA-C	13 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
9	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	7EPP	A	99 a	99 a	99 a	99 a	98 a	99 a	99 a	99 a
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A								
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A								
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B								
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B								
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C								
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C								
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	7EPP	A	88 bc	99 a	98 ab	99 a	13 cd	97 ab	99 a	99 a
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A								
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A								
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B								
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	3-4"W-IN	C								
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C								
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	7EPP	A	82 c	99 a	99 a	99 a	27 bcd	93 bc	99 a	99 a
11	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A								
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A								
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B								
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	3-4"W-IN	C								
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C								
LSD (P=.05)										9.1	0.6	1.3	0.0	57.2	6.0	5.8	0.3
Replicate F										1.617	1.000	1.957	0.000	0.176	2.207	2.402	1.000
Replicate Prob(F)										0.2234	0.3855	0.1675	1.0000	0.8401	0.1361	0.1162	0.3855
Treatment F										87.950	22023.553	4775.598	0.000	3.092	212.725	223.726	88150.610
Treatment Prob(F)										0.0001	0.0001	0.0001	1.0000	0.0152	0.0001	0.0001	0.0001

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

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Weed Code	AMATA	AMATA	AMATA	AMATA	IPOHE	IPOHE
Crop Code						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-19-07	7-3-07	7-11-07	7-24-07	7-11-07	7-24-07
Trt-Eval Interval	0 DA-B	14 DA-B	0 DA-C	13 DA-C	0 DA-C	13 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED										0 c	0 b	0 c	0 b	0 a 0 b
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	99 a	99 a	99 a	99 a	27 a	98 a
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
2	VALOR XLT					3	oz/a	7EPP	A						
2	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A						
2	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
2	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	7EPP	A	99 a	99 a	99 a	99 a	0 a	96 a
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
3	VALOR XLT					3	oz/a	7EPP	A						
3	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A						
3	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
3	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	7EPP	A	99 a	99 a	99 a	99 a	0 a	98 a
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
4	VALOR XLT					3	oz/a	7EPP	A						
4	->VALOR SX	51	WG	0.056	lb ai/a			7EPP	A						
4	->CLASSIC	25	WG	0.0194	lb ai/a			7EPP	A						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
4	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	3-4"W-IN	C						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	99 a	99 a	96 a	99 a	0 a	99 a
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
5	VALOR SX	51	WG	0.056	lb ai/a	1.75	oz/a	7EPP	A						
5	SENCOR	75	WG	0.28	lb ai/a	6	oz/a	7EPP	A						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
5	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	0 c	99 a	86 b	99 a	0 a	99 a
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
6	CANOPY	75	WG	0.187	lb ai/a	4	oz/a	7EPP	A						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
6	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	99 a	99 a	99 a	99 a	0 a	99 a
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
7	AUTHORITY FIRST	70	WG	0.175	lb ai/a	4	oz/a	7EPP	A						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
7	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7EPP	A	99 a	99 a	99 a	99 a	0 a	99 a
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
8	BOUNDARY	6.5	EC	1.95	lb ai/a	2.4	pt/a	7EPP	A						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
8	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
8	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						

Weed Control in No-Till Liberty Link Soybean - General Burndown.

Project Code: 07-22-N60 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	AMATA	IPOHE	IPOHE
Crop Code						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-19-07	7-3-07	7-11-07	7-24-07	7-11-07	7-24-07
Trt-Eval Interval	0 DA-B	14 DA-B	0 DA-C	13 DA-C	0 DA-C	13 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
9	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	7EPP	A	93	b	99	a	99	a
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
9	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	3-4"W-IN	C						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	7EPP	A	0	c	99	a	93	ab
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
10	SP102000017385	2.3	SL	0.395	lb ai/a	22	fl oz/a	1-3"W	B						
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	3-4"W-IN	C						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	7EPP	A	0	c	99	a	99	a
11	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	7EPP	A						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	7EPP	A						
11	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	1-3"W	B						
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	3-4"W-IN	C						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W-IN	C						

LSD (P=.05) 6.0 0.0 8.8 0.0 27.6 3.3

Replicate F	0.900	0.000	0.093	0.000	1.674	0.170
Replicate Prob(F)	0.4241	1.0000	0.9120	1.0000	0.2154	0.8446
Treatment F	605.398	0.000	98.181	0.000	1.269	707.484
Treatment Prob(F)	0.0001	1.0000	0.0001	1.0000	0.3164	0.0001

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

Trial Comments

1. Protocol: Bayer.
2. DA-A = Days after 7EPP application. DA-B = Days after 1-3"W application.
DA-C = Days after 3-4"W-IN application.
3. Crop reached R5 and had to be destroyed prior to the 35 DA-C evaluation on 8/14/07.
4. Not harvested.