

Glufosinate Evaluation in Liberty Link Soybean.

Project Code: 06-5B 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: 8-31-06

**Objective:**

Evaluate herbicide programs in Liberty Link soybean.

Weed Code	Common Name	Scientific Name
1.	ZEAMX corn, volunteer	Zea mays L.
2.	SETFA foxtail, giant	Setaria faberi Herrm.
3.	ABUTH velvetleaf	Abutilon theophrasti Medicus
4.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
5.	XANST cocklebur, common	Xanthium strumarium L.
6.	POLPY smartweed, Pennsylvania	Polygonum pennsylvanicum L.
7.	AMATA waterhemp, common	Amaranthus rudis Sauer

Crop 1: GLXMA soybean Variety: 37335LL  
 Planting Method: Seeded Planting Date: 5-24-06  
 Rate: 75 lb/A Depth: 1.0 IN  
 Row Spacing: 15 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: SORVU, 2005  
 Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

Soil Name: Stoy % OM: 1.6 pH: 6.1 CEC: 7  
 Texture: Silt loam Fert. Level: P1: 93 LB/A, K: 429 LB/A

**APPLICATION DESCRIPTION**

	A	B	C
Application Date:	5-25-06	6-6-06	6-13-06
Time of Day:	8:00	9:00	8:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	1-3"W	3-4"W
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	80 F	66 F	66 F
% Relative Humidity:	94	92	80
Wind Velocity, Unit:	6 MPH	6-7 MPH	1-2 MPH
Dew Presence (Y/N):	N		
Soil Moisture:	ABONOR	NORMAL	NORMAL
% Cloud Cover:	2		

**CROP STAGE AT EACH APPLICATION**

	A	B	C
Crop 1 Code, Stage:	GLXMA NA	GLXMA V2	GLXMA V2
Height, Unit:	NA NA	3 IN	4 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C
Weed 1 Code:	ZEAMX	ZEAMX	ZEAMX
Stage (leaves):	3-4	5-6	5-6
Height (inches):	5-6	7-8	7-8
Density:	High	High	High
Weed 2 Code:	SETFA	SETFA	SETFA
Stage (leaves):	2-3	4-6	4-6
Height (inches):	1-2	4-5	4-5
Density:	High	High	High
Weed 3 Code:	ABUTH	ABUTH	ABUTH
Stage (leaves):	3-4	4-5	4-5
Height (inches):	1-2	4-5	4-5
Density:	High	Medium	Medium
Weed 4 Code:	AMBEL	AMBEL	AMBEL
Stage (leaves):	2-4	4-6	4-6
Height (inches):	1-2	3-4	3-4
Density:	Low	Low	Low
Weed 5 Code:	XANST	XANST	XANST
Stage (leaves):	4-6	6-8	6-8
Height (inches):	1-3	4-6	4-6
Density:	Medium	Medium	Medium
Weed 6 Code:	POLPY	POLPY	POLPY
Stage (leaves):	4-6	6-8	6-8
Height (inches):	3-4	4-5	4-5
Density:	Medium	Medium	Medium

**APPLICATION EQUIPMENT**

	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA

NOTES:

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

GLXMA GLXMA GLXMA GLXMA GLXMA ZEAMX ZEAMX ZEAMX  
 Injury Injury Injury Injury Injury Control Control Control  
 Percent Percent Percent Percent Percent Percent Percent Percent Percent  
 6-8-06 6-13-06 6-20-06 6-27-06 7-18-06 6-8-06 6-27-06 7-18-06  
 -5 DA-C 7 DA-B 7 DA-C 14 DA-C 35 DA-C -5 DA-C 14 DA-C 35 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Injury Percent 6-8-06 -5 DA-C	GLXMA Injury Percent 6-13-06 7 DA-B	GLXMA Injury Percent 6-20-06 7 DA-C	GLXMA Injury Percent 6-27-06 14 DA-C	GLXMA Injury Percent 7-18-06 35 DA-C	ZEAMX Control Percent 6-8-06 -5 DA-C	ZEAMX Control Percent 6-27-06 14 DA-C	ZEAMX Control Percent 7-18-06 35 DA-C
1	NONTREATED									0	0	0	0	0	0	0	0
2	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	0	0	0	0	0	70	72	52
	2 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
3	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C		0	1	0	0		83	68
	3 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
4	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C		0	1	0	0		89	75
	4 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
5	AE F039866	2.34	SL	0.79	lb ai/a	43	fl oz/a	3-4"	W C		0	1	1	0		97	96
	5 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	0	0	1	0	0	70	99	99
	6 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	6 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
7	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	0	0	1	0	0	70	99	99
	7 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
7	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C								
	7 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
8	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	1-3"	W B	0	0	2	0	0	70	99	99
	8 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
8	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	8 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
9	INTRRO	4	L	2	lb ai/a	2	qt/a	PRE	A	0	5	5	1	0	0	85	63
	9 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	9 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
10	SENCOR	75	WG	0.375	lb ai/a	8	oz/a	PRE	A	0	4	4	0	0	0	87	68
	10 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	10 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	0	4	4	2	0	0	87	67
	11 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	11 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
12	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	0	5	5	1	0	0	88	65
	12 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	12 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
13	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	0	3	3	0	0	0	86	65
	13 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	13 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
14	DOMAIN	60	WG	0.45	lb ai/a	12	oz/a	PRE	A	0	4	4	1	0	0	87	70
	14 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	14 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
15	GANGSTER (MULTI-PACK)							PRE	A	0	5	5	2	0	0	90	77
	15 ->GANGSTER V	51	WG	0.048	lb ai/a	1.5	oz/a	PRE	A								
	15 ->GANGSTER FR	84	WG	0.0157	lb ai/a	0.3	oz/a	PRE	A								
	15 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	15 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
16	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	0	5	5	2	0	0	84	60
	16 SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A								
	16 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	16 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	0	5	5	0	0	0	85	67
	17 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	17 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	0	2	2	0	0	0	85	63
	18 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	18 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
LSD (P=.05)										0.0	1.1	1.4	1.7	0.0	0.0	6.9	12.7
Replicate F										0.000	2.693	4.103	2.473	0.000	0.000	2.052	2.263
Replicate Prob(F)										1.0000	0.0821	0.0253	0.0994	1.0000	1.0000	0.1440	0.1195
Treatment F										0.000	38.455	18.384	1.709	0.000	0.000	85.131	26.622
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0900	1.0000	1.0000	0.0001	0.0001

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Weed Code	SETFA	SETFA	SETFA	ABUTH	ABUTH	ABUTH	AMBEL	AMBEL
Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	6-8-06	6-27-06	7-18-06	6-8-06	6-27-06	7-18-06	6-8-06	6-27-06
Rating Date	-5 DA-C	14 DA-C	35 DA-C	-5 DA-C	14 DA-C	35 DA-C	-5 DA-C	14 DA-C
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	0	0	0	0	0	0	0
2	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	80	87	65	80	89	62	80	95
	2 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
3	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C		97	80		89	33		99
	3 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
4	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C		98	81		93	35		99
	4 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
5	AE F039866	2.34	SL	0.79	lb ai/a	43	fl oz/a	3-4"	W C		98	75		97	60		99
	5 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	80	97	62	80	96	33	80	99
	6 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	6 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
7	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	80	97	52	80	96	40	80	99
	7 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
7	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C								
	7 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
8	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	1-3"	W B	80	96	60	80	95	33	80	99
	8 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
8	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	8 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
9	INTRRO	4	L	2	lb ai/a	2	qt/a	PRE	A	96	98	78	78	89	17	70	99
	9 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	9 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
10	SENCOR	75	WG	0.375	lb ai/a	8	oz/a	PRE	A	50	98	81	95	98	77	95	99
	10 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	10 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	78	98	94	72	97	77	67	99
	11 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	11 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
12	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	96	99	97	94	94	62	95	99
	12 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	12 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
13	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	53	98	91	84	97	87	96	99
	13 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	13 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
14	DOMAIN	60	WG	0.45	lb ai/a	12	oz/a	PRE	A	78	99	93	85	95	47	93	99
	14 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	14 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
15	GANGSTER (MULTI-PACK)							PRE	A	73	98	92	93	99	95	95	99
	15 ->GANGSTER V	51	WG	0.048	lb ai/a	1.5	oz/a	PRE	A								
	15 ->GANGSTER FR	84	WG	0.0157	lb ai/a	0.3	oz/a	PRE	A								
	15 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	15 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
16	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	88	99	96	53	98	97	92	99
	16 SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A								
	16 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	16 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	73	98	84	75	97	63	93	99
	17 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	17 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	27	98	90	30	92	50	92	99
	18 AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
	18 AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
LSD (P=.05)										9.2	1.4	10.8	15.0	3.3	19.4	11.3	1.9
Replicate F										1.392	1.080	15.040	3.049	0.872	0.256	0.031	1.856
Replicate Prob(F)										0.2653	0.3510	0.0001	0.0634	0.4271	0.7752	0.9693	0.1718
Treatment F										69.038	2171.888	38.571	25.045	396.665	15.760	38.632	1314.501
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	7-18-06	6-8-06	6-27-06	7-18-06	6-8-06	6-27-06	7-18-06	6-27-06
Rating Date	35 DA-C	-5 DA-C	14 DA-C	35 DA-C	-5 DA-C	14 DA-C	35 DA-C	14 DA-C
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	AMBEL	XANST	XANST	XANST	POLPY	POLPY	POLPY	AMATA
1	NONTREATED									0	0	0	0	0	0	0	0
2	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	91	80	87	60	80	93	94	85
2	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
3	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	99		99	82		99	99	89
3	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
4	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C	99		98	77		99	99	96
4	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
5	AE F039866	2.34	SL	0.79	lb ai/a	43	fl oz/a	3-4"	W C	99		98	83		99	99	97
5	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	99	80	97	88	80	99	99	98
6	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
6	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
7	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	99	80	97	83	80	99	99	98
7	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
7	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C								
7	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
8	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	1-3"	W B	99	80	98	83	80	99	99	97
8	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B								
8	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
8	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
9	INTRRO	4	L	2	lb ai/a	2	qt/a	PRE	A	99	59	97	93	67	99	99	99
9	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
9	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
10	SENCOR	75	WG	0.375	lb ai/a	8	oz/a	PRE	A	99	80	97	88	96	99	99	98
10	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
10	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	99	53	99	93	65	99	99	99
11	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
11	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
12	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	99	52	98	94	92	99	99	99
12	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
12	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
13	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	99	89	98	91	92	99	99	99
13	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
13	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
14	DOMAIN	60	WG	0.45	lb ai/a	12	oz/a	PRE	A	98	77	98	87	95	99	99	99
14	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
14	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
15	GANGSTER (MULTI-PACK)							PRE	A	99	88	98	94	87	99	99	99
15	->GANGSTER V	51	WG	0.048	lb ai/a	1.5	oz/a	PRE	A								
15	->GANGSTER FR	84	WG	0.0157	lb ai/a	0.3	oz/a	PRE	A								
15	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
15	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
16	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	99	33	98	96	93	99	99	99
16	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A								
16	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
16	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	99	70	97	80	93	99	99	99
17	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
17	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	99	60	99	95	80	99	99	97
18	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C								
18	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C								
LSD (P=.05)										2.8	14.9	3.1	14.1	12.3	2.8	3.0	2.9
Replicate F										1.239	0.392	0.575	5.739	1.818	1.034	1.000	1.250
Replicate Prob(F)										0.3024	0.6791	0.5679	0.0071	0.1809	0.3666	0.3784	0.2997
Treatment F										566.597	21.723	454.445	20.476	31.518	556.934	511.081	545.720
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Glufosinate Evaluation in Liberty Link Soybean.

Project Code: 06-5B Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code AMATA  
 Crop Code  
 Rating Data Type Control  
 Rating Unit Percent  
 Rating Date 7-18-06  
 Trt-Eval Interval 35 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	
1	NONTREATED									0
2	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	75
2	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B	
3	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	62
3	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
4	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C	74
4	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
5	AE F039866	2.34	SL	0.79	lb ai/a	43	fl oz/a	3-4"	W C	77
5	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	86
6	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B	
6	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
6	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
7	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	1-3"	W B	92
7	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B	
7	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	3-4"	W C	
7	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
8	AE F039866	2.34	SL	0.53	lb ai/a	29	fl oz/a	1-3"	W B	88
8	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	1-3"	W B	
8	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
8	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
9	INTRRO	4	L	2	lb ai/a	2	qt/a	PRE	A	98
9	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
9	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
10	SENCOR	75	WG	0.375	lb ai/a	8	oz/a	PRE	A	95
10	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
10	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	95
11	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
11	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
12	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	98
12	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
12	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
13	CANOPY	75	WG	0.14	lb ai/a	3	oz/a	PRE	A	98
13	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
13	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
14	DOMAIN	60	WG	0.45	lb ai/a	12	oz/a	PRE	A	95
14	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
14	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
15	GANGSTER (MULTI-PACK)							PRE	A	96
15	->GANGSTER V	51	WG	0.048	lb ai/a	1.5	oz/a	PRE	A	
15	->GANGSTER FR	84	WG	0.0157	lb ai/a	0.3	oz/a	PRE	A	
15	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
15	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
16	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	PRE	A	98
16	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	
16	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
16	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	99
17	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
17	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	73
18	AE F039866	2.34	SL	0.402	lb ai/a	22	fl oz/a	3-4"	W C	
18	AMS	100	DRY	1.5	lb ai/a	1.5	lb/a	3-4"	W C	

LSD (P=.05) 18.2

Replicate F 5.512  
 Replicate Prob(F) 0.0086  
 Treatment F 14.038  
 Treatment Prob(F) 0.0001

Glufosinate Evaluation in Liberty Link Soybean.

Project Code: 06-5B      Location: Belleville Research Center  
Investigator: Bryan Young

Trial Comments

1. Protocol: Bayer (JNN).
2. Ratings: CI/WC prior to POST; CI 7 DA each POST application; CI/WC 14 + 35 DA "C".
3. Spread RR corn seed prior to final tillage pass for volunteer evaluations.
4. Destroy crop prior to maturity.
5. Mixing instructions: Double check the formulations on all coded products.
6. DA-C = Days after 3-4"W application. DA-B = Days after 1-3"W application.  
Ratings at -5 DA-C are 5 days prior to the 3-4"W application and 14 and 2 days after the PRE and 1-3"W applications, respectively.  
Ratings at 7 DA-B are also 19 days after the PRE application and at the 3-4"W application.  
Ratings at 7 DA-C are also 26 and 14 days after the PRE and 1-3"W applications, respectively.  
Ratings at 14 DA-C are also 33 and 21 days after the PRE and 1-3"W applications, respectively.  
Ratings at 35 DA-C are also 54 and 42 days after the PRE and 1-3"W applications, respectively.
7. Not harvested.