

TriCor Foundation Program for Liberty Link Soybean.

Trial ID: 15-T1-N80 Location: Belleville Res. Center Trial Year: 2015  
Investigator: Ronald F. Krausz

**Trial Status:** F one-year/final  
**Initiation Date:** 6-7-15  
**Completion Date:** 10-15-15

**Trial Location**

**City:** Belleville **Country:** USA  
**State/Prov.:** Illinois IL  
**Postal Code:** 62221

**Objectives:**

Evaluate weed control in Liberty Link soybean with TriCor.

**Contacts**

**Study Director:** Ronald F. Krausz **Title:** Researcher/Farm Manager  
**Organization:** Belleville Research Center - Southern Illinois Univ Carbondale  
**Address:** 2036 Charles Lane **Phone No.:** 618-566-4761  
**City+State/Prov:** Belleville, IL  
**Postal Code:** 62221 **E-mail:** rkrausz@siu.edu  
**Country:** USA

**Crop Description**

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** P37T09L **BBCH Scale:** BSOY  
**Description:** LL  
**Planting Rate, Unit:** 140000 S/A **Planting Date:** 6-7-15  
**Depth, Unit:** 1 IN **Planting Method:** SEEDED  
**Row Spacing, Unit:** 30 IN

**Pest Description**

**Pest 1 Type:** W **Code:** SETFA *Setaria faberi* Herrm.  
**Common Name:** foxtail, giant  
**Pest 2 Type:** W **Code:** XANST *Xanthium strumarium* L.  
**Common Name:** cocklebur, common  
**Pest 3 Type:** W **Code:** AMATA *Amaranthus rudis* Sauer  
**Common Name:** waterhemp, common  
**Pest 4 Type:** W **Code:** IPOHE *Ipomoea hederacea* (L.) Jacq.  
**Common Name:** morningglory, ivyleaf

**Site and Design**

**Treated Plot Width:** 7.5 FT **Total Plot Width:** 10 FT **Site Type:** FIELD  
**Treated Plot Length:** 27 FT **Total Plot Length:** 27 FT **Experimental Unit:** 1 PLOT  
**Tillage Type:** REDTIL reduced-till  
**Replications:** 4 **Study Design:** RACOB� Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED single control randomized in each block

No.	Previous Crop	Year
1.	GLXMA	2014

**Maintenance**

No.	Maintenance Product Name
1.	N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A

**Soil Description**

**Description Name:** T1\_2013  
**% OM:** 3 **Texture:** SIL silt loam  
**pH:** 6.4 **Soil Name:** Bethalto  
**CEC:** 9

**Additional Measured Elements**

Element	Quantity	Unit
P1	57	lb/A
K	369	lb/A

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**Moisture and Weather Conditions**

**Overall Moisture Conditions:** ABONOR  
**Closest Weather Station:** ICN - Belleville IL **Distance, Unit:** 0.5 MI

No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	6-3-15					7	DAY	53	89	F
2.	6-5-15	0.17	IN	RAIN	rain	1	DAY			
3.	6-8-15	0.66	IN	RAIN	rain	1	DAY			
4.	6-10-15					7	DAY	64	91	F
5.	6-14-15	0.16	IN	RAIN	rain	1	DAY			
6.	6-15-15	0.11	IN	RAIN	rain	1	DAY			
7.	6-16-15	2.25	IN	RAIN	rain	1	DAY			
8.	6-17-15					7	DAY	69	91	F
9.	6-17-15	0.09	IN	RAIN	rain	1	DAY			
10.	6-18-15	0.14	IN	RAIN	rain	1	DAY			
11.	6-19-15	3.29	IN	RAIN	rain	1	DAY			
12.	6-20-15	0.2	IN	RAIN	rain	2	DAY			
13.	6-24-15					7	DAY	62	93	F
14.	6-25-15	1.66	IN	RAIN	rain	2	DAY			
15.	6-28-15	0.6	IN	RAIN	rain	2	DAY			
16.	7-1-15					7	DAY	63	88	F
17.	7-1-15	0.64	IN	RAIN	rain	2	DAY			
18.	7-7-15	1.33	IN	RAIN	rain	2	DAY			
19.	7-8-15					7	DAY	59	97	F
20.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
21.	7-15-15					7	DAY	69	93	F
22.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
23.	7-22-15					7	DAY	65	95	F
24.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
25.	7-29-15					7	DAY	65	93	F
26.	8-5-15					7	DAY	64	88	F
27.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
28.	8-9-15	0.47	IN	RAIN	rain	1	DAY			
29.	8-12-15					7	DAY	63	89	F
30.	8-18-15	2.23	IN	RAIN	rain	2	DAY			
31.	8-19-15					7	DAY	52	82	F
32.	8-22-15	0.18	IN	RAIN	rain	1	DAY			
33.	8-26-15					7	DAY	54	91	F
34.	9-2-15					7	DAY	68	94	F
35.	9-8-15	1.93	IN	RAIN	rain	2	DAY			
36.	9-9-15					7	DAY	47	83	F
37.	9-11-15	0.4	IN	RAIN	rain	1	DAY			
38.	9-16-15					7	DAY	51	90	F
39.	9-19-15	0.14	IN	RAIN	rain	1	DAY			
40.	9-23-15					7	DAY	54	85	F
41.	9-28-15	0.13	IN	RAIN	rain	1	DAY			

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**Application Description**

	<b>A</b>	<b>B</b>
<b>Application Date:</b>	6-7-15	6-22-15
<b>Appl. Start Time:</b>	20:00	7:45
<b>Appl. Stop Time:</b>	20:30	8:20
<b>Application Method:</b>	Spray	Spray
<b>Application Timing:</b>	PRE	2-3"W
<b>Application Placement:</b>	BROSOI	BROFOL
<b>Applied By:</b>	RFK	MEJ
<b>Air Temperature, Unit:</b>	82 F	82 F
<b>% Relative Humidity:</b>	77	85
<b>Wind Velocity, Unit:</b>	4 MPH	4 MPH
<b>Wind Direction:</b>	S	S
<b>Dew Presence (Y/N):</b>	N	N
<b>Soil Temperature, Unit:</b>	72 F	77 F
<b>Soil Moisture:</b>	NORMAL	ABONOR
<b>% Cloud Cover:</b>	0	0
<b>Next Moisture Occurred On:</b>	6-8-15	6-25-15
<b>Time to Next Moisture, Unit:</b>	8 HR	3 DAY

**Crop Stage At Each Application**

	<b>A</b>	<b>B</b>
<b>Crop 1 Code, BBCH Scale:</b>	GLXMA	GLXMA
<b>Stage Scale Used:</b>	DESC	DESC
<b>Stage Majority, Percent:</b>	NA	V2
<b>Stage Minimum, Percent:</b>		V1
<b>Stage Maximum, Percent:</b>		V2
<b>Height, Unit:</b>		8 IN
<b>Height Minimum, Maximum:</b>		6 8

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**Pest Stage At Each Application**

	<b>A</b>	<b>B</b>
<b>Pest 1 Code, Type, Scale:</b>	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>	NA	3
<b>Stage Minimum, Percent:</b>		2
<b>Stage Maximum, Percent:</b>		4
<b>Height, Unit:</b>		4 IN
<b>Height Minimum, Maximum:</b>		2 4
<b>Density, Unit:</b>		0.1 FT2
<b>Pest 2 Code, Type, Scale:</b>	XANST W	XANST W
<b>Stage Majority, Percent:</b>	NA	6
<b>Stage Minimum, Percent:</b>		2
<b>Stage Maximum, Percent:</b>		8
<b>Height, Unit:</b>		3 IN
<b>Height Minimum, Maximum:</b>		1.5 4
<b>Density, Unit:</b>		0.1 FT2
<b>Pest 3 Code, Type, Scale:</b>	AMATA W	AMATA W
<b>Stage Majority, Percent:</b>	NA	4
<b>Stage Minimum, Percent:</b>		2
<b>Stage Maximum, Percent:</b>		6
<b>Height, Unit:</b>		2 IN
<b>Height Minimum, Maximum:</b>		0.5 2.5
<b>Density, Unit:</b>		0.1 FT2
<b>Pest 4 Code, Type, Scale:</b>	IPOHE W	IPOHE W
<b>Stage Majority, Percent:</b>	NA	3
<b>Stage Minimum, Percent:</b>		2
<b>Stage Maximum, Percent:</b>		5
<b>Height, Unit:</b>		2 IN
<b>Height Minimum, Maximum:</b>		1 2.5
<b>Density, Unit:</b>		0.1 FT2

**Application Equipment**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	CO2 sprayer	CO2 sprayer
<b>Equipment Type:</b>	BACSPR	BACSPR
<b>Operation Pressure, Unit:</b>	30 PSI	30 PSI
<b>Nozzle Type:</b>	XR	XR
<b>Nozzle Size:</b>	8002	8002
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA

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							GLXMA 10-15-15 Moisture Percent	GLXMA 10-15-15 Test wt. lb/bu	GLXMA 10-15-15 Yield bu/A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	DUAL II MAGNUM LIBERTY 280 N-PAK AMS	7.64 2.34 100	EC EC SL	0.955 0.53 5 %	lb ai/a lb ai/a v/v	16 fl oz/a 29 fl oz/a 6 pt/a		PRE 2-3"W 2-3"W	A B B	9.6 a	57.6 a	71 a
2	DUAL II MAGNUM TRICOR DF INTERLINE BROADLOOM N-PAK AMS	7.64 75 2.34 4 100	EC WG SL SL SL	0.955 0.375 0.53 0.5 5 %	lb ai/a lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	9.7 a	57.4 a	69 a
3	DUAL II MAGNUM TRICOR DF LIBERTY 280 N-PAK AMS	7.64 75 2.34 100	EC WG EC SL	0.955 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W	A A B B	9.6 a	57.5 a	68 a
4	DUAL II MAGNUM TRICOR DF INTERLINE N-PAK AMS	7.64 75 2.34 100	EC WG SL SL	0.955 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W	A A B B	9.9 a	57.3 a	67 a
5	SATELLITE HYDROCAP LIBERTY 280 N-PAK AMS	3.8 2.34 100	CS EC SL	0.95 0.53 5 %	lb ai/a lb ai/a v/v	2 pt/a 29 fl oz/a 6 pt/a		PRE 2-3"W 2-3"W	A B B	9.8 a	57.3 a	69 a
6	SATELLITE HYDROCAP TRICOR DF INTERLINE BROADLOOM N-PAK AMS	3.8 75 2.34 4 100	CS WG SL SL SL	0.95 0.375 0.53 0.5 5 %	lb ai/a lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	9.8 a	57.4 a	67 a
7	SATELLITE HYDROCAP TRICOR DF LIBERTY 280 N-PAK AMS	3.8 75 2.34 100	CS WG EC SL	0.95 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W	A A B B	9.6 a	57.5 a	68 a
8	SATELLITE HYDROCAP TRICOR DF INTERLINE N-PAK AMS	3.8 75 2.34 100	CS WG SL SL	0.95 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a		PRE PRE 2-3"W 2-3"W	A A B B	9.8 a	57.3 a	68 a
9	NONTREATED											6 b
LSD P=.05							0.35	0.39	4.7			
Standard Deviation							0.24	0.26	3.2			
CV							2.47	0.46	5.21			
Replicate F							1.346	1.105	4.309			
Replicate Prob(F)							0.2865	0.3692	0.0145			
Treatment F							0.700	0.853	171.564			
Treatment Prob(F)							0.6717	0.5577	0.0001			

Means followed by same letter do not significantly differ (P=.05, LSD)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Could not calculate LSD (% mean diff) for columns 10,15,20,25,30,21,31,22,32,23,33,24,34 because error mean square = 0.

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 6-19-15 Injury Percent 7 DAE 12 DA-A	GLXMA 6-22-15 Injury Percent 15 DA-A 0 DA-B	GLXMA 6-26-15 Injury Percent 14 DAE 4 DA-B	GLXMA 7-10-15 Injury Percent 28 DAE 18 DA-B	GLXMA 7-24-15 Injury Percent 42 DAE 32 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	DUAL II MAGNUM LIBERTY 280 N-PAK AMS	7.64 EC 2.34 EC 100 SL	EC EC SL	0.955 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a v/v	16 fl oz/a 29 fl oz/a 6 pt/a	oz/a oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 a	0 a	0 a	0 a	0 a
2	DUAL II MAGNUM TRICOR DF INTERLINE BROADLOOM N-PAK AMS	7.64 EC 75 WG 2.34 SL 4 SL 100 SL	EC WG SL SL SL	0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 0.5 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a	oz/a oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	0 a	0 a	0 a	0 a	0 a
3	DUAL II MAGNUM TRICOR DF LIBERTY 280 N-PAK AMS	7.64 EC 75 WG 2.34 EC 100 SL	EC WG EC SL	0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a	oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	0 a	0 a	0 a	0 a	0 a
4	DUAL II MAGNUM TRICOR DF INTERLINE N-PAK AMS	7.64 EC 75 WG 2.34 SL 100 SL	EC WG SL SL	0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a v/v	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a	oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	0 a	0 a	0 a	0 a	0 a
5	SATELLITE HYDROCAP LIBERTY 280 N-PAK AMS	3.8 CS 2.34 EC 100 SL	CS EC SL	0.95 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a v/v	2 pt/a 29 fl oz/a 6 pt/a	pt/a oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 a	0 a	0 a	0 a	0 a
6	SATELLITE HYDROCAP TRICOR DF INTERLINE BROADLOOM N-PAK AMS	3.8 CS 75 WG 2.34 SL 4 SL 100 SL	CS WG SL SL SL	0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 0.5 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a	pt/a oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	0 a	0 a	0 a	0 a	0 a
7	SATELLITE HYDROCAP TRICOR DF LIBERTY 280 N-PAK AMS	3.8 CS 75 WG 2.34 EC 100 SL	CS WG EC SL	0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a	pt/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	0 a	0 a	0 a	0 a	0 a
8	SATELLITE HYDROCAP TRICOR DF INTERLINE N-PAK AMS	3.8 CS 75 WG 2.34 SL 100 SL	CS WG SL SL	0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a v/v	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a	pt/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	0 a	0 a	0 a	0 a	0 a
9	NONTREATED									0	0	0	0	0
LSD P=.05										0.0	0.0	0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000

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Pest Code	SETFA	SETFA	SETFA	SETFA	SETFA										
Crop Code	6-19-15	6-22-15	6-26-15	7-10-15	7-24-15										
Rating Date	Control	Control	Control	Control	Control										
Rating Type	Percent	Percent	Percent	Percent	Percent										
Rating Unit	7 DAE	15 DA-A	14 DAE	28 DAE	42 DAE										
Rating Timing	12 DA-A	0 DA-B	4 DA-B	18 DA-B	32 DA-B										
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
2	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	BROADLOOM	4	SL	0.5	lb ai/a	16	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
3	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
4	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
5	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	89	b	89	b	99	a
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
6	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	97	a	97	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	BROADLOOM	4	SL	0.5	lb ai/a	16	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
7	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	97	a	97	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
8	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
9	NONTREATED									0		0		0	
LSD P=.05										5.7		5.7		0.3	
Standard Deviation										3.9		3.9		0.0	
CV										3.97		3.97		0.0	
Replicate F										2.367		2.367		0.000	
Replicate Prob(F)										0.0998		0.0998		1.0000	
Treatment F										3.540		3.540		0.000	
Treatment Prob(F)										0.0114		0.0114		1.0000	

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Pest Code							XANST	XANST	XANST	XANST	XANST	
Crop Code							6-19-15	6-22-15	6-26-15	7-10-15	7-24-15	
Rating Date							Control	Control	Control	Control	Control	
Rating Type							Percent	Percent	Percent	Percent	Percent	
Rating Unit							7 DAE	15 DA-A	14 DAE	28 DAE	42 DAE	
Rating Timing							12 DA-A	0 DA-B	4 DA-B	18 DA-B	32 DA-B	
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	DUAL II MAGNUM LIBERTY 280 N-PAK AMS	7.64 EC 2.34 EC 100 SL		0.955 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a %	16 fl oz/a 29 fl oz/a 6 pt/a	oz/a oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 b	0 b	99 a 85 a 99 a
2	DUAL II MAGNUM TRICOR DF INTERLINE BROADLOOM N-PAK AMS	7.64 EC 75 WG 2.34 SL 4 SL 100 SL		0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 0.5 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a lb ai/a %	16 fl oz/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a	oz/a oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	70 a	70 a	99 a 99 a 66 a 99 a
3	DUAL II MAGNUM TRICOR DF LIBERTY 280 N-PAK AMS	7.64 EC 75 WG 2.34 EC 100 SL		0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a %	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a	oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	84 a	84 a	99 a 99 a 81 a 99 a
4	DUAL II MAGNUM TRICOR DF INTERLINE N-PAK AMS	7.64 EC 75 WG 2.34 SL 100 SL		0.955 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a %	16 fl oz/a 8 oz/a 29 fl oz/a 6 pt/a	oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	76 a	76 a	99 a 99 a 88 a 99 a
5	SATELLITE HYDROCAP LIBERTY 280 N-PAK AMS	3.8 CS 2.34 EC 100 SL		0.95 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a %	2 pt/a 29 fl oz/a 6 pt/a	pt/a oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 b	0 b	99 a 88 a 99 a
6	SATELLITE HYDROCAP TRICOR DF INTERLINE BROADLOOM N-PAK AMS	3.8 CS 75 WG 2.34 SL 4 SL 100 SL		0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 0.5 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a lb ai/a %	2 pt/a 8 oz/a 29 fl oz/a 16 fl oz/a 6 pt/a	pt/a oz/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	68 a	68 a	99 a 99 a 66 a 99 a
7	SATELLITE HYDROCAP TRICOR DF LIBERTY 280 N-PAK AMS	3.8 CS 75 WG 2.34 EC 100 SL		0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a %	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a	pt/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	69 a	69 a	99 a 99 a 66 a 99 a
8	SATELLITE HYDROCAP TRICOR DF INTERLINE N-PAK AMS	3.8 CS 75 WG 2.34 SL 100 SL		0.95 lb ai/a 0.375 lb ai/a 0.53 lb ai/a 5 % v/v	lb ai/a lb ai/a lb ai/a %	2 pt/a 8 oz/a 29 fl oz/a 6 pt/a	pt/a oz/a oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	66 a	66 a	99 a 99 a 83 a 99 a
9	NONTREATED									0	0	0 0 0
LSD P=.05										40.1	40.1	. 33.9
Standard Deviation										27.3	27.3	0.0 23.1
CV										50.47	50.47	0.0 29.66 0.0
Replicate F										2.402	2.402	0.000 4.360
Replicate Prob(F)										0.0963	0.0963	1.0000 0.0155 1.0000
Treatment F										6.154	6.154	0.000 0.723 0.000
Treatment Prob(F)										0.0005	0.0005	1.0000 0.6539 1.0000



TriCor Foundation Program for Liberty Link Soybean.

Trial ID: 15-T1-N80 Location: Belleville Res. Center Trial Year: 2015  
 Investigator: Ronald F. Krausz

Pest Code	AMATA	AMATA	AMATA	AMATA	AMATA										
Crop Code	6-19-15	6-22-15	6-26-15	7-10-15	7-24-15										
Rating Date	Control	Control	Control	Control	Control										
Rating Type	Percent	Percent	Percent	Percent	Percent										
Rating Unit	7 DAE	15 DA-A	14 DAE	28 DAE	42 DAE										
Rating Timing	12 DA-A	0 DA-B	4 DA-B	18 DA-B	32 DA-B										
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
2	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	BROADLOOM	4	SL	0.5	lb ai/a	16	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
3	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
4	DUAL II MAGNUM	7.64	EC	0.955	lb ai/a	16	fl oz/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
5	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	85	b	85	b	99	a
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B					95	a
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						99
6	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	BROADLOOM	4	SL	0.5	lb ai/a	16	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
7	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
8	SATELLITE HYDROCAP	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	99	a	99	a	99	a
	TRICOR DF	75	WG	0.375	lb ai/a	8	oz/a	PRE	A					98	a
	INTERLINE	2.34	SL	0.53	lb ai/a	29	fl oz/a	2-3"W	B						
	N-PAK AMS	100	SL	5	% v/v	6	pt/a	2-3"W	B						
9	NONTREATED									0		0		0	
LSD P=.05										3.0		3.0		3.5	
Standard Deviation										2.0		2.0		2.4	0.0
CV										2.1		2.1		2.46	0.0
Replicate F										1.000		1.000		0.000	0.000
Replicate Prob(F)										0.4123		0.4123		1.0000	0.1762
Treatment F										23.520		23.520		0.000	1.847
Treatment Prob(F)										0.0001		0.0001		1.0000	0.1306

TriCor Foundation Program for Liberty Link Soybean.

Trial ID: 15-T1-N80 Location: Belleville Res. Center Trial Year: 2015  
 Investigator: Ronald F. Krausz

Pest Code							IPOHE	IPOHE	IPOHE	IPOHE	IPOHE			
Crop Code							6-19-15	6-22-15	6-26-15	7-10-15	7-24-15			
Rating Date							Control	Control	Control	Control	Control			
Rating Type							Percent	Percent	Percent	Percent	Percent			
Rating Unit							7 DAE	15 DA-A	14 DAE	28 DAE	42 DAE			
Rating Timing							12 DA-A	0 DA-B	4 DA-B	18 DA-B	32 DA-B			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	DUAL II MAGNUM LIBERTY 280 N-PAK AMS	7.64 2.34 100	EC EC SL	0.955 0.53 5 %	lb ai/a lb ai/a v/v	16 29 6	fl oz/a fl oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 b	0 b	99 a	98 a	99 a
2	DUAL II MAGNUM TRICOR DF INTERLINE BROADLOOM N-PAK AMS	7.64 75 2.34 4 100	EC WG SL SL SL	0.955 0.375 0.53 0.5 5 %	lb ai/a lb ai/a lb ai/a lb ai/a v/v	16 8 29 16 6	fl oz/a oz/a fl oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	90 a	90 a	99 a	99 a	99 a
3	DUAL II MAGNUM TRICOR DF LIBERTY 280 N-PAK AMS	7.64 75 2.34 100	EC WG EC SL	0.955 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	16 8 29 6	fl oz/a oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	90 a	90 a	99 a	98 a	99 a
4	DUAL II MAGNUM TRICOR DF INTERLINE N-PAK AMS	7.64 75 2.34 100	EC WG SL SL	0.955 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	16 8 29 6	fl oz/a oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	90 a	90 a	99 a	99 a	99 a
5	SATELLITE HYDROCAP LIBERTY 280 N-PAK AMS	3.8 2.34 100	CS EC SL	0.95 0.53 5 %	lb ai/a lb ai/a v/v	2 29 6	pt/a fl oz/a pt/a	PRE 2-3"W 2-3"W	A B B	0 b	0 b	99 a	96 a	99 a
6	SATELLITE HYDROCAP TRICOR DF INTERLINE BROADLOOM N-PAK AMS	3.8 75 2.34 4 100	CS WG SL SL SL	0.95 0.375 0.53 0.5 5 %	lb ai/a lb ai/a lb ai/a lb ai/a v/v	2 8 29 16 6	pt/a oz/a fl oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W 2-3"W	A A B B B	88 a	88 a	99 a	99 a	99 a
7	SATELLITE HYDROCAP TRICOR DF LIBERTY 280 N-PAK AMS	3.8 75 2.34 100	CS WG EC SL	0.95 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	2 8 29 6	pt/a oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	90 a	90 a	99 a	98 a	99 a
8	SATELLITE HYDROCAP TRICOR DF INTERLINE N-PAK AMS	3.8 75 2.34 100	CS WG SL SL	0.95 0.375 0.53 5 %	lb ai/a lb ai/a lb ai/a v/v	2 8 29 6	pt/a oz/a fl oz/a pt/a	PRE PRE 2-3"W 2-3"W	A A B B	90 a	90 a	99 a	99 a	99 a
9	NONTREATED									0	0	0	0	0
LSD P=.05										2.6	2.6	.	2.7	.
Standard Deviation										1.8	1.8	0.0	1.8	0.0
CV										2.63	2.63	0.0	1.86	0.0
Replicate F										1.000	1.000	0.000	1.755	0.000
Replicate Prob(F)										0.4123	0.4123	1.0000	0.1865	1.0000
Treatment F										2202.143	2202.143	0.000	1.046	0.000
Treatment Prob(F)										0.0001	0.0001	1.0000	0.4301	1.0000

TriCor Foundation Program for Liberty Link Soybean.

Trial ID: 15-T1-N80    Location: Belleville Res. Center    Trial Year: 2015  
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: UPI (LL SB).
2. Ratings:  
CI at 7, 14, 28, and 42 DA crop emergence, or until no CI is observable.  
WC at 7, 14, 28, and 42 DA crop emergence, continue if differences.  
Rate before spray application B.
3. Yield.
4. Blanket POST application of Liberty or Interline plus AMS as needed  
after the first 2-3"W (B) application was applied on 7-14-15.
5. Rainfall following the PRE application was 0.66 inch in 1 day beginning 8 hours later.  
Rainfall following the 2-3"W application was 1.66 inch over 2 days beginning 3 days later.
6. DAE = Days after crop emergence.
7. Harvested 10-15-15, (2) 30 inch rows by 24 ft.