

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

General Trial Information

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor

Trial Status: F - one-year/final
Initiation Date: 6-15-12

Trial Location

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

Objectives:

Evaluate the crop response and yield of soybean following three postemergence application timings of tank-mixtures with glyphosate under weed-free conditions.

Personnel

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor
Affiliation: Southern Illinois University
Address: 1205 Lincoln Drive - AG 176 - MC 4415
Location: Carbondale IL
Postal Code: 62901 **E-mail:** bgyoung@siu.edu
Phone No.: 618-453-7679 **Mobile No.:** 618-713-6471

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: AG 4005 **Description:** RR
BBCH Scale: BSOY **Planting Date:** 6-15-12
Planting Method: SEEDED Seeded **Rate, Unit:** 75 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 30 IN

Pest Description

Pest 1 Type: W **Code:** NA
Common Name: crop tolerance only

Site and Design

Plot Width, Unit: 10 FT **Site Type:** FIELD field
Plot Length, Unit: 25 FT
Plot Area, Unit: 250 FT2 **Tillage Type:** REDTIL reduced-till
Replications: 4 **Study Design:** RACOB� Randomized Complete Block (RCB)

No.	Previous Crop	Year
1.	ZEAMD	2011

Maintenance

No.	Maintenance Treatment Name
1.	N 0 LB/A, P205 0 LB/A, K20 200 LB/A

Soil Description

% OM: 1.4 **Texture:** SIL SILT LOAM
pH: 5.9 **Soil Name:** PIERRON
CEC: 7

Additional Measured Elements

Element	Quantity	Unit
P1	97	LB/A
K	240	LB/A

Moisture and Weather Conditions

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

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-24-12					7	DAY	42.6	74.3	F
2.	4-29-12	3.06	IN	RAIN	rain					
3.	4-30-12	0.66	IN	RAIN	rain					
4.	5-1-12	0.13	IN	RAIN	rain					
5.	5-1-12					7	DAY	33.5	76	F
6.	5-4-12	0.25	IN	RAIN	rain					
7.	5-7-12	0.29	IN	RAIN	rain					
8.	5-8-12					7	DAY	47.5	87.8	F
9.	5-15-12					7	DAY	37.7	81.3	F
10.	5-21-12	0.18	IN	RAIN	rain					
11.	5-22-12					7	DAY	47.6	82.3	F
12.	5-29-12					7	DAY	48.1	90	F
13.	5-30-12	0.07	IN	RAIN	rain					
14.	5-31-12	0.21	IN	RAIN	rain					
15.	6-5-12					7	DAY	50.2	90.1	F
16.	6-11-12	0.75	IN	RAIN	rain					
17.	6-12-12					7	DAY	52.4	93.6	F
18.	6-17-12	0.36	IN	RAIN	rain					
19.	6-19-12					7	DAY	56.3	94	F
20.	6-26-12					7	DAY	51.8	105.4	F
21.	7-3-12					7	DAY	68.9	104.7	F
22.	7-8-12	0.28	IN	RAIN	rain					
23.	7-10-12					7	DAY	63.4	95	F
24.	7-17-12					7	DAY	61	102.2	F
25.	7-24-12					7	DAY	61	103	F
26.	7-29-12	0.15	IN	RAIN	rain					
27.	7-31-12					7	DAY	60.2	99.1	F
28.	8-5-12	0.18	IN	RAIN	rain					
29.	8-7-12					7	DAY	50.2	99.8	F
30.	8-13-12	0.88	IN	RAIN	rain					
31.	8-14-12					7	DAY	51	95.6	F
32.	8-17-12	1.19	IN	RAIN	rain					
33.	8-21-12					7	DAY	54.7	94.2	F
34.	8-26-12	0.04	IN	RAIN	rain					
35.	8-27-12	1.66	IN	RAIN	rain					
36.	8-31-12	0.11	IN	RAIN	rain					

Application Description

	A	B	C
Application Date:	7-9-12	7-25-12	8-1-12
Time of Day:	10:00	6:00	8:00
Application Method:	Spray	Spray	Spray
Application Timing:	V2-3	V5-6	R2
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	TAR	TAR	TAR
Air Temperature, Unit:	83 F	80 F	82 F
% Relative Humidity:	57	74	69
Wind Velocity, Unit:	1 MPH	1 MPH	1 MPH
Wind Direction:	NW	SE	E
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	83 F	85 F	82 F
Soil Moisture:	BELNOR	BELNOR	BELNOR
% Cloud Cover:	80	0	30
Next Rain Occurred On:	7-29-12	7-29-12	8-4-12

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Crop Stage At Each Application						
	A		B		C	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:	DESC		DESC		DESC	
Stage Majority, Percent:	V3		V6		R2	
Stage Minimum, Percent:	V2		V5		R2	
Stage Maximum, Percent:	V3		V6		R2	
Height, Unit:	8	IN	10	IN	20	IN
Height Minimum, Maximum:	6	8	9	10	18	20

Pest Stage At Each Application						
	A		B		C	
Pest 1 Code, Type, Scale:	NA	W DESC	NA	W DESC	NA	W DESC
Stage Majority, Percent:	NA		NA		NA	

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

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type							GLXMA 10-25-12 Height	GLXMA 10-27-12 Moisture	GLXMA 10-27-12 Test wt.	GLXMA 10-27-12 Yield	GLXMA 10-27-12 200 Seed Wt			
Rating Unit Rating Timing Trt-Eval Interval							cm	Percent	lb/bu	bu/A	gram			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Unit	Appl Stage	Code					
1	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	22 fl oz/a 5 % v/v		V2-3 V2-3	A A		70 a	12.4 a	58.0 a	48 a-h	38.57 a-e
2	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	44 fl oz/a 5 % v/v		V2-3 V2-3	A A		70 a	12.2 a	58.4 a	46 b-h	38.12 a-i
3	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		70 a	12.1 a	58.5 a	44 d-j	38.31 a-h
4	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		68 a	12.3 a	58.3 a	43 g-j	38.98 a-d
5	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	12 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		72 a	12.5 a	57.9 a	54 a-d	39.14 abc
6	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	12 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		70 a	12.2 a	58.3 a	47 b-h	38.36 a-h
7	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	1 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		74 a	12.3 a	58.1 a	52 a-g	39.23 ab
8	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	1 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		72 a	12.3 a	58.3 a	47 b-h	38.27 a-h
9	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	1.6 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		70 a	12.0 a	58.5 a	45 c-j	37.59 e-j
10	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	1.6 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		70 a	12.1 a	58.4 a	44 d-j	37.86 d-j
11	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		71 a	12.0 a	58.6 a	48 a-h	38.39 a-g
12	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		70 a	12.1 a	58.4 a	48 a-h	39.38 a
13	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		67 a	12.3 a	58.2 a	45 d-j	38.33 a-h
14	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A		67 a	12.3 a	58.4 a	42 hij	38.56 a-f
15	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	22 fl oz/a 5 % v/v		V5-6 V5-6	B B		73 a	12.3 a	58.3 a	57 a	38.54 a-f
16	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	44 fl oz/a 5 % v/v		V5-6 V5-6	B B		67 a	12.2 a	58.5 a	45 d-j	38.60 a-e

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.

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type								GLXMA 10-25-12 Height	GLXMA 10-27-12 Moisture	GLXMA 10-27-12 Test wt.	GLXMA 10-27-12 Yield	GLXMA 10-27-12 200 Seed Wt		
Rating Unit Rating Timing Trt-Eval Interval								cm	Percent	lb/bu	bu/A	gram		
EOS														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
17	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	68 a	12.4 a	58.1 a	53 a-e	37.52 e-j
18	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	68 a	12.4 a	58.1 a	46 c-i	38.46 a-g
19	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	71 a	12.3 a	58.1 a	49 a-h	37.63 e-j
20	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	68 a	12.4 a	58.1 a	42 hij	37.24 g-k
21	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	73 a	12.5 a	57.8 a	52 a-e	37.83 d-j
22	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	75 a	12.4 a	58.0 a	52 a-g	37.29 f-k
23	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	71 a	12.6 a	57.8 a	55 ab	38.03 b-i
24	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	69 a	12.3 a	58.2 a	47 b-h	37.30 f-k
25	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	68 a	12.4 a	58.0 a	46 b-i	38.22 a-h
26	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	72 a	12.3 a	58.1 a	46 c-i	38.28 a-h
27	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	71 a	12.3 a	58.1 a	50 a-h	38.43 a-g
28	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	70 a	12.2 a	58.3 a	45 d-j	37.61 e-j
29	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	ae/a v/v	22 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	68 a	12.2 a	58.3 a	44 e-j	37.79 d-j
30	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	ae/a v/v	44 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	69 a	12.1 a	58.5 a	43 f-j	37.91 c-j
31	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	75 a	12.5 a	58.0 a	51 a-h	37.10 h-k
32	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	71 a	12.3 a	58.2 a	48 a-h	36.74 jk

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type								GLXMA 10-25-12 Height	GLXMA 10-27-12 Moisture	GLXMA 10-27-12 Test wt.	GLXMA 10-27-12 Yield	GLXMA 10-27-12 200 Seed Wt		
Rating Unit Rating Timing Trt-Eval Interval								cm	Percent	lb/bu	bu/A	gram		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	EOS				
33	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	66 a	12.1 a	58.5 a	37 ij	36.11 k
34	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	67 a	12.2 a	58.3 a	36 j	36.90 ijk
35	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	R2 R2 R2	C C C	71 a	12.3 a	58.1 a	50 a-h	38.04 b-i
36	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	R2 R2 R2	C C C	72 a	12.3 a	58.2 a	49 a-h	37.80 d-j
37	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	R2 R2 R2	C C C	70 a	12.2 a	58.3 a	46 c-i	37.98 b-j
38	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	R2 R2 R2	C C C	70 a	12.1 a	58.4 a	47 b-h	38.22 a-h
39	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	R2 R2 R2	C C C	70 a	12.3 a	58.1 a	48 a-h	37.09 h-k
40	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	R2 R2 R2	C C C	69 a	12.5 a	58.0 a	49 a-h	38.01 b-i
41	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	R2 R2 R2	C C C	70 a	12.2 a	58.3 a	48 a-h	37.34 e-k
42	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	R2 R2 R2	C C C	75 a	12.4 a	58.0 a	54 abc	37.29 f-k
43	NONTREATED								75 a	12.3 a	58.0 a	52 a-f	37.43 e-j	
LSD (P=.05)								5.6	0.44	0.57	9.3	1.268		
Standard Deviation								4.0	0.31	0.41	6.6	0.906		
CV								5.67	2.55	0.7	13.95	2.39		
Replicate F								7.032	0.776	0.313	12.428	10.272		
Replicate Prob(F)								0.0002	0.5097	0.8156	0.0001	0.0001		
Treatment F								1.361	0.796	0.952	1.688	2.283		
Treatment Prob(F)								0.0981	0.8007	0.5607	0.0140	0.0002		

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							GLXMA Injury Percent 4 DAT	GLXMA Injury Percent 7 DAT	GLXMA Injury Percent 14 DAT	GLXMA Injury Percent 28 DAT	GLXMA Injury Percent 56 DAT	GLXMA 10-25-12 Injury Percent EOS			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 n	0 r	0 t	0 o	0 a	0 a
2	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 n	0 r	1 s	0 o	0 a	0 a
3	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v		6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	11 d	18 g	12 d	6 def	0 a	0 a
4	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v		6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	12 cd	18 g	12 d	6 cde	0 a	0 a
5	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v		12 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	12 c	19 fg	12 d	7 bcd	0 a	0 a
6	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v		12 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	15 a	21 e	15 c	7 bcd	0 a	0 a
7	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v		1 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 i	8 jkl	5 lmn	3 i-m	0 a	0 a
8	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v		1 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	8 g	10 ij	7 ij	4 f-j	0 a	0 a
9	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v		1.6 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	9 f	14 h	9 ef	5 efg	0 a	0 a
10	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v		1.6 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	9 f	10 ij	8 gh	4 f-i	0 a	0 a
11	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v		0.6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	4 kl	6 lmn	3 opq	2 mno	0 a	0 a
12	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v		0.6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	4 jk	7 k-n	5 lmn	2 k-n	0 a	0 a
13	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v		0.9 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 ij	8 kl	5 lm	2 lmn	0 a	0 a
14	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v		0.9 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 i	7 klm	5 kl	3 j-m	0 a	0 a
15	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 n	0 r	0 t	0 o	0 a	0 a
16	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 n	0 r	5 lmn	0 o	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type								GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA 10-25-12 Injury Percent		
Rating Unit Rating Timing Trt-Eval Interval								4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	12 c	14 h	8 gh	3 h-m	0 a	0 a
18	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	13 b	14 h	10 e	5 e-h	0 a	0 a
19	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	14 a	15 h	9 fg	4 f-j	0 a	0 a
20	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	13 b	15 h	12 d	7 bcd	0 a	0 a
21	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	3 opq	3 opq	0 o	0 a	0 a
22	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	5 nop	6 jkl	0 o	0 a	0 a
23	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	4 jk	5 nop	6 jkl	1 no	0 a	0 a
24	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	5 mno	5 lm	2 mno	0 a	0 a
25	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	2 m	2 qr	2 rs	0 o	0 a	0 a
26	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 m	2 qr	3 opq	0 o	0 a	0 a
27	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	3 pq	3 opq	0 o	0 a	0 a
28	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	3 pq	4 mno	0 o	0 a	0 a
29	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	ae/a v/v	22 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 n	3 pq	3 pqr	0 o	0 a	0 a
30	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	ae/a v/v	44 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 n	8 kl	2 qrs	0 o	0 a	0 a
31	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	9 ef	23 de	10 ef	7 bc	0 a	0 a
32	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	10 e	25 c	16 bc	8 b	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Crop Code								Injury	Injury	Injury	Injury	Injury	GLXMA		
Rating Date								Percent	Percent	Percent	Percent	Percent	10-25-12		
Rating Type								4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	Injury		
Rating Unit													Percent		
Rating Timing													Percent		
Trt-Eval Interval													EOS		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
33	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	R2	C	9 ef	28 b	16 b	10 a	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
34	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	R2	C	9 ef	35 a	18 a	10 a	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
35	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	R2	C	6 h	14 h	5 lm	3 i-m	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
36	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	R2	C	7 g	21 ef	5 kl	4 g-l	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
37	FLEXSTAR	1.88	EC	0.375	lb ai/a	1.6	pt/a	R2	C	7 gh	19 fg	6 ijk	4 g-k	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
38	FLEXSTAR	1.88	EC	0.375	lb ai/a	1.6	pt/a	R2	C	7 gh	24 cd	7 hi	5 e-h	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
39	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	R2	C	4 kl	9 jk	4 nop	2 k-n	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
40	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	R2	C	4 kl	15 h	5 lmn	2 lmn	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
41	CADET	0.91	EC	0.0064	lb ai/a	0.9	fl oz/a	R2	C	5 ij	11 i	5 lmn	3 j-m	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
42	CADET	0.91	EC	0.0064	lb ai/a	0.9	fl oz/a	R2	C	5 i	18 g	6 jkl	3 h-m	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	R2	C						
43	NONTREATED								0 n	0 r	0 t	0 o	0 a	0 a	
LSD (P=.05)								0.8	2.0	1.2	1.6	0.0	0.0		
Standard Deviation								0.6	1.5	0.9	1.1	0.0	0.0		
CV								9.38	13.06	13.85	37.8	0.0	0.0		
Replicate F								2.904	1.575	0.079	0.017	0.000	0.000		
Replicate Prob(F)								0.0375	0.1987	0.9712	0.9971	1.0000	1.0000		
Treatment F								246.631	140.415	102.621	25.489	0.000	0.000		
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	1.0000	1.0000		

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Rating Unit Rating Timing Trt-Eval Interval							Stunt Percent	Stunt Percent	Stunt Percent	Stunt Percent	Stunt Percent	Stunt Percent			
							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	10-25-12 Stunt Percent EOS			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 a	0 f	0 c	0 c	0 a	0 a
2	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 a	0 f	0 c	0 c	0 a	0 a
3	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v		6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
4	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v		6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
5	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v		12 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
6	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v		12 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	1 ef	1 bc	0 c	0 a	0 a
7	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v		1 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
8	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v		1 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
9	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v		1.6 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
10	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v		1.6 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
11	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v		0.6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
12	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v		0.6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
13	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v		0.9 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
14	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v		0.9 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 a	0 f	0 c	0 c	0 a	0 a
15	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 a	0 f	0 c	0 c	0 a	0 a
16	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 a	0 f	0 c	0 c	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Rating Unit								Stunt	Stunt	Stunt	Stunt	Stunt	GLXMA 10-25-12 Stunt		
Rating Timing								Percent	Percent	Percent	Percent	Percent	Percent		
Trt-Eval Interval								4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	1 ef	1 bc	0 c	0 a	0 a
18	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	1 f	1 bc	1 bc	0 a	0 a
19	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	1 f	1 bc	0 c	0 a	0 a
20	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	2 a	0 a	0 a
21	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL	EC SL SL	0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
22	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL	EC SL SL	0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	1 b	0 c	0 a	0 a
23	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL	EC SL SL	0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
24	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL	EC SL SL	0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
25	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL	EC SL SL	0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
26	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL	EC SL SL	0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
27	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL	EC SL SL	0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
28	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL	EC SL SL	0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 a	0 f	0 c	0 c	0 a	0 a
29	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL	SL SL	0.77 lb ae/a 5 % v/v	ae/a v/v	22 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 a	0 f	0 c	0 c	0 a	0 a
30	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL	SL SL	1.55 lb ae/a 5 % v/v	ae/a v/v	44 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 a	1 f	0 c	0 c	0 a	0 a
31	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	0 a	4 cd	0 c	0 c	0 a	0 a
32	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL	EC SL SL	0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	0 a	5 c	1 bc	2 ab	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code							Stunt	Stunt	Stunt	Stunt	Stunt	GLXMA
Rating Date							Percent	Percent	Percent	Percent	Percent	10-25-12
Rating Type							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	Stunt
Rating Unit												Percent
Rating Timing												
Trt-Eval Interval												EOS
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Stage	Code		
33	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		R2	C		0 a	7 b
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
34	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		R2	C		0 a	10 a
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
35	FLEXSTAR	1.88 EC		0.235 lb ai/a		1 pt/a		R2	C		0 a	1 ef
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
36	FLEXSTAR	1.88 EC		0.235 lb ai/a		1 pt/a		R2	C		0 a	1 f
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
37	FLEXSTAR	1.88 EC		0.375 lb ai/a		1.6 pt/a		R2	C		0 a	2 de
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
38	FLEXSTAR	1.88 EC		0.375 lb ai/a		1.6 pt/a		R2	C		0 a	3 d
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
39	CADET	0.91 EC		0.00427 lb ai/a		0.6 fl oz/a		R2	C		0 a	0 f
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
40	CADET	0.91 EC		0.00427 lb ai/a		0.6 fl oz/a		R2	C		0 a	1 ef
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
41	CADET	0.91 EC		0.0064 lb ai/a		0.9 fl oz/a		R2	C		0 a	1 ef
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
42	CADET	0.91 EC		0.0064 lb ai/a		0.9 fl oz/a		R2	C		0 a	0 f
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		R2	C			
	N-PAK AMS	100 SL		5 % v/v		5 % v/v		R2	C			0 a
43	NONTREATED										0 a	0 f
LSD (P=.05)							0.0	1.5	0.8	0.9	0.0	0.0
Standard Deviation							0.0	1.1	0.6	0.7	0.0	0.0
CV							0.0	119.28	273.39	361.74	0.0	0.0
Replicate F							0.000	0.770	0.069	1.327	0.000	0.000
Replicate Prob(F)							1.0000	0.5129	0.9764	0.2687	1.0000	1.0000
Treatment F							0.000	14.076	3.318	2.586	0.000	0.000
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001	1.0000	1.0000

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type							GLXMA Chlorosis Percent	GLXMA Chlorosis Percent	GLXMA Chlorosis Percent	GLXMA Chlorosis Percent	GLXMA Chlorosis Percent	GLXMA 10-25-12 Chlorosis Percent			
Rating Unit Rating Timing Trt-Eval Interval							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 d	0 l	0 k	0 e	0 a	0 a
2	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 d	0 l	1 ij	0 e	0 a	0 a
3	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v		6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
4	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v		6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
5	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v		12 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
6	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v		12 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
7	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v		1 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 cd	0 l	0 k	0 e	0 a	0 a
8	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v		1 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	2 a	1 jkl	0 k	0 e	0 a	0 a
9	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v		1.6 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	1 b	1 jkl	0 k	0 e	0 a	0 a
10	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v		1.6 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	1 b	0 l	0 k	0 e	0 a	0 a
11	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v		0.6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
12	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v		0.6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
13	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v		0.9 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
14	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v		0.9 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	0 d	0 l	0 k	0 e	0 a	0 a
15	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 d	0 l	0 k	0 e	0 a	0 a
16	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 d	0 l	5 ab	0 e	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Rating Unit Rating Timing Trt-Eval Interval								Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis		
								Percent	Percent	Percent	Percent	Percent	Percent		
								4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	1 jk	0 e	0 a	0 a
18	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	1 jk	0 e	0 a	0 a
19	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	1 jk	0 e	0 a	0 a
20	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	1 kl	3 e-h	0 e	0 a	0 a
21	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	1 jkl	1 jk	0 e	0 a	0 a
22	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	2 ijk	2 fgh	0 e	0 a	0 a
23	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	2 ijk	2 fgh	0 e	0 a	0 a
24	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	2 ij	2 hi	1 de	0 a	0 a
25	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	0 k	0 e	0 a	0 a
26	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	1 jk	0 e	0 a	0 a
27	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	0 k	0 e	0 a	0 a
28	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	0 d	0 l	0 k	0 e	0 a	0 a
29	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	ae/a v/v	22 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 d	3 hi	3 e-h	0 e	0 a	0 a
30	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	ae/a v/v	44 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 d	7 g	2 fgh	0 e	0 a	0 a
31	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	0 d	7 g	2 ghi	1 d	0 a	0 a
32	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	0 d	11 de	4 cd	1 de	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA				
Crop Code							Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis				
Rating Date							Percent	Percent	Percent	Percent	Percent	Percent				
Rating Type							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS				
Rating Unit																
Rating Timing																
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit	Appl Stage	Code							
33	COBRA	2 EC		0.188 lb ai/a	12 fl oz/a		R2	C		0 d	9 f	3 cde	1 cd	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a	22 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
34	COBRA	2 EC		0.188 lb ai/a	12 fl oz/a		R2	C		1 bc	13 b	4 bc	1 cd	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a	44 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
35	FLEXSTAR	1.88 EC		0.235 lb ai/a	1 pt/a		R2	C		2 a	7 g	3 d-g	0 e	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a	22 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
36	FLEXSTAR	1.88 EC		0.235 lb ai/a	1 pt/a		R2	C		2 a	12 bc	3 def	2 bc	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a	44 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
37	FLEXSTAR	1.88 EC		0.375 lb ai/a	1.6 pt/a		R2	C		2 a	10 def	3 cde	2 b	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a	22 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
38	FLEXSTAR	1.88 EC		0.375 lb ai/a	1.6 pt/a		R2	C		2 a	14 a	5 a	3 a	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a	44 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
39	CADET	0.91 EC		0.00427 lb ai/a	0.6 fl oz/a		R2	C		0 d	4 h	1 ij	0 e	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a	22 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
40	CADET	0.91 EC		0.00427 lb ai/a	0.6 fl oz/a		R2	C		0 d	10 ef	3 e-h	0 e	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a	44 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
41	CADET	0.91 EC		0.0064 lb ai/a	0.9 fl oz/a		R2	C		0 d	4 h	2 ghi	0 e	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a	22 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
42	CADET	0.91 EC		0.0064 lb ai/a	0.9 fl oz/a		R2	C		0 d	11 cd	3 d-g	0 e	0 a	0 a	
	ROUNDUP P-MAX	4.5 SL		1.55 lb ae/a	44 fl oz/a		R2	C								
	N-PAK AMS	100 SL		5 % v/v	5 % v/v		R2	C								
43	NONTREATED										0 d	0 l	0 k	0 e	0 a	0 a
LSD (P=.05)							0.4	1.4	1.0	0.6	0.0	0.0				
Standard Deviation							0.3	1.0	0.7	0.4	0.0	0.0				
CV							123.09	33.61	53.1	177.55	0.0	0.0				
Replicate F							0.429	0.376	1.749	2.196	0.000	0.000				
Replicate Prob(F)							0.7326	0.7704	0.1604	0.0917	1.0000	1.0000				
Treatment F							13.241	76.464	17.135	8.437	0.000	0.000				
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	1.0000				

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Rating Unit Rating Timing Trt-Eval Interval							Necrosis Percent	Necrosis Percent	Necrosis Percent	Necrosis Percent	Necrosis Percent	Necrosis Percent			
							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	EOS			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 p	0 r	0 l	0 i	0 a	0 a
2	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V2-3 V2-3	A A	0 p	0 r	0 l	0 i	0 a	0 a
3	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v		6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	10 d	16 d	9 ab	5 bc	0 a	0 a
4	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v		6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	10 d	16 cd	9 ab	5 abc	0 a	0 a
5	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v		12 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	11 cd	17 c	10 a	6 ab	0 a	0 a
6	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v		12 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	13 ab	19 b	10 a	6 a	0 a	0 a
7	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v		1 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 gh	7 ijk	5 gh	3 ef	0 a	0 a
8	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v		1 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	6 g	9 h	7 de	4 cd	0 a	0 a
9	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v		1.6 pt/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	7 f	13 ef	8 bc	5 bc	0 a	0 a
10	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v		1.6 pt/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	7 f	11 g	8 cd	4 cd	0 a	0 a
11	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v		0.6 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	4 kl	6 klm	3 ij	2 fgh	0 a	0 a
12	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v		0.6 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	4 jk	7 jkl	5 gh	2 efg	0 a	0 a
13	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v		0.9 fl oz/a 22 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 hi	8 ij	5 gh	2 efg	0 a	0 a
14	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v		0.9 fl oz/a 44 fl oz/a 5 % v/v		V2-3 V2-3 V2-3	A A A	5 gh	7 ij	5 fg	3 ef	0 a	0 a
15	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v		22 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 p	0 r	0 l	0 i	0 a	0 a
16	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v		44 fl oz/a 5 % v/v		V5-6 V5-6	B B	0 p	0 r	0 l	0 i	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA						
Crop Code				Necrosis	Necrosis	Necrosis	Necrosis	Necrosis	GLXMA						
Rating Date				Percent	Percent	Percent	Percent	Percent	10-25-12						
Rating Type				4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	Necrosis						
Rating Unit									Percent						
Rating Timing									Percent						
Trt-Eval Interval									EOS						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	11 c	12 fg	6 ef	1 gh	0 a	0 a
18	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	12 b	13 ef	7 cd	2 efg	0 a	0 a
19	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	13 a	13 e	6 ef	3 e	0 a	0 a
20	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.188 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	12 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	12 b	13 ef	8 bc	3 de	0 a	0 a
21	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	2 o	2 q	2 jk	0 i	0 a	0 a
22	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.235 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	2 o	2 pq	2 jk	0 i	0 a	0 a
23	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 22 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	2 pq	2 jk	0 i	0 a	0 a
24	FLEXSTAR ROUNDUP P-MAX N-PAK AMS	1.88 EC 4.5 SL 100 SL		0.375 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	1.6 pt/a 44 fl oz/a 5 % v/v	pt/a oz/a v/v	V5-6 V5-6 V5-6	B B B	2 o	2 pq	2 jk	1 hi	0 a	0 a
25	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	2 no	2 pq	2 k	0 i	0 a	0 a
26	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.00427 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.6 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 mno	2 pq	3 ij	0 i	0 a	0 a
27	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 22 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 lm	3 op	3 ij	0 i	0 a	0 a
28	CADET ROUNDUP P-MAX N-PAK AMS	0.91 EC 4.5 SL 100 SL		0.0064 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	0.9 fl oz/a 44 fl oz/a 5 % v/v	fl oz/a oz/a v/v	V5-6 V5-6 V5-6	B B B	3 mn	3 op	4 hi	0 i	0 a	0 a
29	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		0.77 lb ae/a 5 % v/v	ae/a v/v	22 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 p	0 r	0 l	0 i	0 a	0 a
30	ROUNDUP P-MAX N-PAK AMS	4.5 SL 100 SL		1.55 lb ae/a 5 % v/v	ae/a v/v	44 fl oz/a 5 % v/v	oz/a v/v	R2 R2	C C	0 p	0 r	0 l	0 i	0 a	0 a
31	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 0.77 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 22 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	7 ef	16 d	6 efg	5 bc	0 a	0 a
32	COBRA ROUNDUP P-MAX N-PAK AMS	2 EC 4.5 SL 100 SL		0.094 lb ai/a 1.55 lb ae/a 5 % v/v	ai/a ae/a v/v	6 fl oz/a 44 fl oz/a 5 % v/v	oz/a oz/a v/v	R2 R2 R2	C C C	8 e	16 cd	8 c	5 bc	0 a	0 a

Southern Illinois University

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Crop Code							Necrosis	Necrosis	Necrosis	Necrosis	Necrosis	Necrosis			
Rating Date							Percent	Percent	Percent	Percent	Percent	Percent			
Rating Type							4 DAT	7 DAT	14 DAT	28 DAT	56 DAT	10-25-12 EOS			
Rating Unit															
Rating Timing															
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
33	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	R2	C	8 ef	16 d	7 de	6 ab	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
34	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	R2	C	7 f	21 a	5 fg	5 ab	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
35	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	R2	C	4 kl	4 no	3 ij	3 e	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
36	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	R2	C	5 hi	7 jkl	3 ij	2 efg	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
37	FLEXSTAR	1.88	EC	0.375	lb ai/a	1.6	pt/a	R2	C	4 jk	6 klm	3 ij	2 efg	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
38	FLEXSTAR	1.88	EC	0.375	lb ai/a	1.6	pt/a	R2	C	4 ij	5 m	3 ij	2 efg	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
39	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	R2	C	4 kl	5 mn	3 jk	2 fgh	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
40	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	R2	C	4 kl	5 m	2 jk	2 fgh	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
41	CADET	0.91	EC	0.0064	lb ai/a	0.9	fl oz/a	R2	C	5 hij	6 lm	3 jk	3 ef	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
42	CADET	0.91	EC	0.0064	lb ai/a	0.9	fl oz/a	R2	C	5 gh	8 hi	3 jk	3 de	0 a	0 a
	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	R2	C						
	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	R2	C						
43	NONTREATED						0 p	0 r	0 l	0 i	0 a	0 a			
LSD (P=.05)							0.7	1.2	1.2	1.1	0.0	0.0			
Standard Deviation							0.5	0.8	0.9	0.8	0.0	0.0			
CV							10.22	11.17	21.42	37.84	0.0	0.0			
Replicate F							3.118	1.317	2.102	1.784	0.000	0.000			
Replicate Prob(F)							0.0285	0.2717	0.1032	0.1535	1.0000	1.0000			
Treatment F							221.773	215.780	46.975	22.822	0.000	0.000			
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	1.0000			

Soybean Response to Glyphosate Tank-Mixtures: Late Planting Date- June 15.

Trial ID: 12-3-E265

Location: Belleville Res. Center

Investigator: Bryan Young

Trial Comments

1. Protocol: ISA - Glyph_Tm_Lplant-SIU.
2. Trial is to be maintained weed-free for the duration of the study.
Blanket PRE application of Dual Magnum (1.27 lbai/A) plus Firstrate (0.031 lbai/A) was applied 6-15-12, then hand-weeded as needed.
Ratings: CI (overall, stunting, chlorosis, necrosis) at 4, 7, 14, 28 and 56 DAT.
CI/ stunting and plant heights at harvest.
3. Target planting date is June 15.
4. Yield is required. Measure weight of 200 seeds/plot.
5. DAT = Days after various postemergence applications
Ratings at 4 days after the V2-3, V5-6, and R2 applications were on 7-13-12, 7-29-12, and 8-5-12, respectively.
Ratings at 7 days after the V2-3, V5-6, and R2 applications were on 7-16-12, 8-1-12, and 8-8-12, respectively.
Ratings at 14 days after the V2-3, V5-6, and R2 applications were on 7-23-12, 8-8-12, and 8-15-12, respectively.
Ratings at 28 days after the V2-3, V5-6, and R2 applications were on 8-6-12, 8-22-12, and 8-29-12, respectively.
Ratings at 56 days after the V2-3, V5-6, and R2 applications were on 9-3-12, 9-19-12, and 9-26-12, respectively.
6. Harvested 10-27-12, (2) 30 inch rows by 22 ft.