

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: De Soto IL 62924 USA
 Trial Status: FINAL Initiation Date: 05-23-09

Objectives: Determine the effect of Boundary, application timing and Flexstar GT rate on control of glyphosate-resistant waterhemp.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDS Planting Date: 05-23-09
 Rate, Unit: 180000 S/A Depth, Unit: 1.25 IN
 Row Spacing, Unit: 30 IN
 Soil Moisture: ABOVE NORMAL

Pest 1 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest Description: glyphosate-resistant waterhemp

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2008

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

% OM: 2.5 Texture: SILT LOAM
 pH: 6.8 Soil Name: OKAW
 CEC: 12 Fert. Level: P1 88 LB/A, K 207 LB/A

	Application Description					
	A	B	C	D	E	F
Application Date:	05-23-09	06-20-09	06-23-09	06-23-09	06-26-09	06-30-09
Time of Day:	9:00	8:00	8:00	8:00	10:00	8:30
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	1-2"WH-1	1-2"WH-2	4-6"WH-1	4-6"WH-2	4-6"RG
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	DKP	DKP	DKT	DKT	DKT	DKT
Air Temperature, Unit:	73 F	85 F	91 F	91 F	92 F	84 F
% Relative Humidity:	87	59	65	65	34	34
Wind Velocity, Unit:	1 MPH	1 MPH	2 MPH	2 MPH	1 MPH	1 MPH
Wind Direction:	NW	W	NW	NW	N	SE
Dew Presence (Y/N):	N	N	Y	Y	N	N
Soil Temperature, Unit:	70 F	77 F	82 F	82 F	88 F	80 F
Soil Moisture:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
% Cloud Cover:	90	10	0	0	75	20

	05-23-09	06-20-09	06-23-09	06-23-09	06-26-09	06-30-09
Crop stage at application:	NA	V2	V4	V4	V5	V5
Height Min, Max (inch):		7 9	8 10	8 10	9 12	10 12

	Pest Stage At Each Application					
	05-23-09	06-20-09	06-23-09	06-23-09	06-26-09	06-30-09
Application Date:	05-23-09	06-20-09	06-23-09	06-23-09	06-26-09	06-30-09
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	4	6	10	10	8	14
Stage Min, Max:	COTY 7 2	10	COTY 18	COTY 18	4 16	4 22
Height Majority:	0.5 IN	3 IN	6 IN	6 IN	5 IN	6 IN
Height Min, Max:	0.5 3	1 9	0.5 12	0.5 12	2 8	3 12
Density, Unit:	25 FT2	2.5 FT2	2.5 FT2	2.5 FT2	2.5 FT2	2 FT2

Application Equipment

	05-23-09	06-20-09	06-23-09	06-23-09	06-26-09	06-30-09
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	6.67 FT	6.67 FT	6.67 FT	6.67 FT	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA GLXMA GLXMA
11-06-09 11-06-09 11-06-09
Moisture Test wt. Yield
Percent lb/bu bu/A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	10.2	ab	48.4	abc 43 a-d
1	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
1	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C				
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F				
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F				
2	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.5	abc	49.0	abc 37 d
2	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
2	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
2	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	1-2"WH-2	C				
2	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C				
3	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.5	abc	48.4	abc 43 a-d
3	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
3	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
3	ULTRA BLAZER	2	EC	0.25	lb ai/a	1	pt/a	1-2"WH-2	C				
3	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C				
4	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.7	abc	49.1	ab 44 a-d
4	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
4	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
4	RESOURCE	0.86	EC	0.0202	lb ai/a	3	fl oz/a	1-2"WH-2	C				
4	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C				
5	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	10.2	ab	49.1	ab 47 ab
5	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
5	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
5	FLEXSTAR	1.88	EC	0.25	lb ai/a	1.06	pt/a	1-2"WH-2	C				
5	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C				
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	9.8	abc	48.1	bc 43 a-d
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A				
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A				
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A				
6	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
6	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C				
7	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.5	abc	48.8	abc 49 a
7	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
7	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
7	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C				
8	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	10.0	abc	49.1	ab 47 ab
8	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
8	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
8	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-2	C				
9	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.7	abc	49.1	ab 45 abc
9	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
9	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C				
9	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-2	C				
10	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.4	abc	49.1	ab 49 a
10	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A				
10	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E				
10	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-2	E				

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Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA GLXMA GLXMA
11-06-09 11-06-09 11-06-09
Moisture Test wt. Yield
Percent lb/bu bu/A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
11	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	10.0	abc	49.0	abc	44 a-d
11	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A					
11	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E					
11	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-2	E					
12	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.6	abc	48.8	abc	46 ab
12	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A					
12	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E					
12	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-2	E					
13	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	9.6	abc	48.3	bc	41 bcd
13	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B					
13	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-1	B					
14	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	9.5	abc	47.8	c	39 cd
14	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B					
14	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-1	B					
15	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	10.0	abc	49.3	ab	42 a-d
15	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B					
15	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-1	B					
16	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	10.0	abc	48.7	abc	43 a-d
16	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D					
16	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-1	D					
17	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	9.5	abc	48.6	abc	43 a-d
17	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D					
17	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-1	D					
18	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	9.4	bc	49.1	ab	45 abc
18	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
18	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D					
18	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-1	D					
19	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	10.3	a	48.8	abc	43 a-d
19	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B					
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	1-2"WH-1	B					
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F					
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	4-6"RG	F					
20	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.3	c	49.0	abc	45 abc
20	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A					
20	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
20	28% UAN	100	SL	2	% v/v	2	%v/v	1-2"WH-2	C					
20	FLEXSTAR	1.88	EC	0.352	lb ai/a	1.5	pt/a	1-2"WH-2	C					
20	MSO (DESTINY)	100	SL	1	% v/v	1	%v/v	1-2"WH-2	C					
21	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	9.5	abc	49.0	abc	43 a-d
21	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A					
21	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
21	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C					
21	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C					
22	PREFIX	5.29	EC	1.72	lb ai/a	2.6	pt/a	PRE	A	9.6	abc	49.6	a	49 a
22	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A					
22	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A					
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C					
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C					
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F					
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F					

LSD (P=.05)

0.92 1.26 7.2

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Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Pest Code			
Crop Code			
Rating Date	GLXMA	GLXMA	GLXMA
Rating Data Type	11-06-09	11-06-09	11-06-09
Rating Unit	Moisture	Test wt.	Yield
Rating Timing	Percent	lb/bu	bu/A
Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F									
Replicate Prob(F)									
Treatment F									
Treatment Prob(F)									

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

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Pest Code		Crop Code		Rating Date		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type		Rating Unit		Rating Timing		06-20-09	06-23-09	06-26-09	07-03-09	07-17-09
Trt-Eval Interval						Injury	Injury	Injury	Injury	Injury
						Percent	Percent	Percent	Percent	Percent
						28 DA-A	3 DA-B	3 DA-C+D	10 DA-C+D	17 DA-F
						0 DA-B	0 DA-C	0 DA-E	7 DA-E	21 DA-E
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
1	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
1	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	0 g
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	0 e
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C	0 a
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F	
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F	
2	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
2	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
2	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	17 a
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	17 a
2	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	1-2"WH-2	C	0 a
2	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
3	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
3	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
3	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	17 a
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	17 a
3	ULTRA BLAZER	2	EC	0.25	lb ai/a	1	pt/a	1-2"WH-2	C	0 a
3	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
4	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
4	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
4	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	8 cde
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	8 cd
4	RESOURCE	0.86	EC	0.0202	lb ai/a	3	fl oz/a	1-2"WH-2	C	0 a
4	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
5	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
5	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
5	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	12 bc
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	12 bc
5	FLEXSTAR	1.88	EC	0.25	lb ai/a	1.06	pt/a	1-2"WH-2	C	0 a
5	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C	
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	2 a
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A	0 c
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A	7 de
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A	7 cd
6	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 a
6	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C	
7	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
7	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
7	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	9 cd
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	9 bcd
7	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C	0 a
8	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
8	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
8	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	7 de
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	7 d
8	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-2	C	0 a
9	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
9	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
9	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	9 cd
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	9 bcd
9	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-2	C	0 a
10	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	0 b
10	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	0 c
10	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	0 g
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E	2 e
10	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-2	E	0 a

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Pest Code										GLXMA		GLXMA		GLXMA		GLXMA		GLXMA	
Crop Code										06-20-09		06-23-09		06-26-09		07-03-09		07-17-09	
Rating Date										Injury		Injury		Injury		Injury		Injury	
Rating Data Type										Percent		Percent		Percent		Percent		Percent	
Rating Unit										28 DA-A		3 DA-B		3 DA-C+D		10 DA-C+D		17 DA-F	
Rating Timing										0 DA-B		0 DA-C		0 DA-E		7 DA-E		21 DA-E	
Trt-Eval Interval																			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code										
11	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A		0 b	0 c	0 g		0 e		0 a		
11	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A										
11	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E										
11	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-2	E										
12	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A		0 b	0 c	0 g		6 d		0 a		
12	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A										
12	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E										
12	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-2	E										
13	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	7 a	7 de		0 e		0 a		
13	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B										
13	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-1	B										
14	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	6 a	6 de		0 e		0 a		
14	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B										
14	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-1	B										
15	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	7 a	7 de		2 e		0 a		
15	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B										
15	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-1	B										
16	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	0 c	7 de		7 d		0 a		
16	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D										
16	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-1	D										
17	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	0 c	12 bc		12 bc		0 a		
17	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D										
17	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-1	D										
18	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	0 c	8 cde		8 cd		0 a		
18	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
18	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D										
18	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-1	D										
19	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A		0 b	4 b	4 ef		0 e		0 a		
19	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B										
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	1-2"WH-1	B										
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F										
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	4-6"RG	F										
20	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A		0 b	0 c	13 ab		13 ab		0 a		
20	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A										
20	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
20	28% UAN	100	SL	2	% v/v	2	%v/v	1-2"WH-2	C										
20	FLEXSTAR	1.88	EC	0.352	lb ai/a	1.5	pt/a	1-2"WH-2	C										
20	MSO (DESTINY)	100	SL	1	% v/v	1	%v/v	1-2"WH-2	C										
21	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A		0 b	0 c	0 g		0 e		0 a		
21	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A										
21	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
21	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C										
21	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C										
22	PREFIX	5.29	EC	1.72	lb ai/a	2.6	pt/a	PRE	A		0 b	0 c	2 fg		2 e		0 a		
22	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A										
22	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A										
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C										
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C										
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F										
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F										

LSD (P=.05)

1.0 1.4 4.2 4.5 0.0

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

								AMATA-HR	AMATA-HR	AMATA-HR
Pest Code								07-03-09	07-17-09	07-31-09
Crop Code								Control	Control	Control
Rating Date								Percent	Percent	Percent
Rating Data Type								10 DA-C+D	17 DA-F	31 DA-F
Rating Unit								7 DA-E	21 DA-E	35 DA-E
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	
1	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	91 a-e
1	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	91 a-e
1	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	90 a-e
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C	
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F	
1	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F	
2	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	95 a-d
2	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	90 a-e
2	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	77 ef
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
2	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	1-2"WH-2	C	
2	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
3	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	95 a-d
3	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	93 a-e
3	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	92 a-d
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
3	ULTRA BLAZER	2	EC	0.25	lb ai/a	1	pt/a	1-2"WH-2	C	
3	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
4	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	98 abc
4	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	93 a-e
4	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	93 a-d
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
4	RESOURCE	0.86	EC	0.0202	lb ai/a	3	fl oz/a	1-2"WH-2	C	
4	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	1-2"WH-2	C	
5	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	97 abc
5	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	97 ab
5	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	97 abc
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
5	FLEXSTAR	1.88	EC	0.25	lb ai/a	1.06	pt/a	1-2"WH-2	C	
5	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C	
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 a
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A	99 a
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A	99 a
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A	
6	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	
6	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C	
7	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	98 ab
7	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	97 ab
7	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	97 abc
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
7	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-2	C	
8	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	99 a
8	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	98 a
8	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	98 ab
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
8	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-2	C	
9	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	97 abc
9	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	95 abc
9	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	93 a-d
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C	
9	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-2	C	
10	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	91 a-e
10	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	93 a-e
10	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A	93 a-d
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E	
10	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-2	E	

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval									AMATA-HR		AMATA-HR		AMATA-HR		
									07-03-09 Control Percent 10 DA-C+D 7 DA-E		07-17-09 Control Percent 17 DA-F 21 DA-E		07-31-09 Control Percent 31 DA-F 35 DA-E		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
11	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	90	a-e	95	a-d	95	a-d
11	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A						
11	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E						
11	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-2	E						
12	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	95	a-d	95	abc	95	abc
12	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A						
12	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-2	E						
12	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-2	E						
13	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	86	de	83	ef	82	def
13	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B						
13	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	1-2"WH-1	B						
14	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	88	a-e	87	b-f	86	b-f
14	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B						
14	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	1-2"WH-1	B						
15	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	87	cde	87	b-f	87	a-f
15	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B						
15	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	1-2"WH-1	B						
16	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	89	a-e	85	def	84	c-f
16	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D						
16	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"WH-1	D						
17	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	91	a-e	89	a-e	86	a-f
17	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D						
17	FLEXSTAR GT	3.31	SL	1.55	lb ae/a	3.75	pt/a	4-6"WH-1	D						
18	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	88	b-e	86	c-f	85	c-f
18	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
18	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"WH-1	D						
18	FLEXSTAR GT	3.31	SL	1.86	lb ae/a	4.5	pt/a	4-6"WH-1	D						
19	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A	88	b-e	91	a-e	90	a-e
19	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-1	B						
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	1-2"WH-1	B						
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F						
19	FLEXSTAR GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	4-6"RG	F						
20	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	97	abc	96	abc	96	abc
20	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A						
20	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
20	28% UAN	100	SL	2	% v/v	2	%v/v	1-2"WH-2	C						
20	FLEXSTAR	1.88	EC	0.352	lb ai/a	1.5	pt/a	1-2"WH-2	C						
20	MSO (DESTINY)	100	SL	1	% v/v	1	%v/v	1-2"WH-2	C						
21	BOUNDARY	6.5	EC	1.42	lb ai/a	1.75	pt/a	PRE	A	82	e	78	f	75	f
21	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A						
21	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
21	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C						
21	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C						
22	PREFIX	5.29	EC	1.72	lb ai/a	2.6	pt/a	PRE	A	99	a	99	a	99	a
22	GRAMOXONE INTEON	2	SL	0.875	lb ai/a	3.5	pt/a	PRE	A						
22	COC (PRIME OIL)	100	SL	1	% v/v	1	%v/v	PRE	A						
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	1-2"WH-2	C						
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	1-2"WH-2	C						
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	4-6"RG	F						
22	TOUCHDOWN TOTAL	4.17	SL	1	lb ae/a	30.7	fl oz/a	4-6"RG	F						

LSD (P=.05)

10.7

10.3

13.2

PRE/POST Programs with Flexstar GT.

Trial ID: 09-DeSoto-FlexGT Location: De Soto, IL

Pest Code	AMATA-HR	AMATA-HR	AMATA-HR
Crop Code			
Rating Date	07-03-09	07-17-09	07-31-09
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	10 DA-C+D	17 DA-F	31 DA-F
Trt-Eval Interval	7 DA-E	21 DA-E	35 DA-E

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F					4.196				
Replicate Prob(F)					0.0218				
Treatment F					1.862				
Treatment Prob(F)					0.0429				

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

Trial Comments

1. Protocol: Syngenta (FM050B4).
2. Ratings: CI at 0 da B, C + E and 7 da E; WC at 7, 21 + 35 da E.
3. Yield not necessary.
4. The F application timing should be approximately 2-3 weeks after the B application timing.
5. Blanket burndown application of Touchdown Total (36 fl oz/A) + 2,4-D LV4 (1 pt/A) + AMS (1% w/w) was applied on 4-26-09.
6. AMATA-HR = Herbicide-resistant waterhemp (glyphosate).
7. Harvested 11-6-09, (2) 30 inch rows by 27 ft.