

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110 Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 06-17-08

Objectives: Compare various soil residual herbicides in preemergence applications for weed management and yield in glyphosate-resistant soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS
 Planting Method: SEED Planting Date: 06-17-08
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow
 Pest 3 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 5 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf
 Pest 6 Type: W Code: XANST Xanthium strumarium L. cocklebur, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 27 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

% OM: 2.2 Texture: SILT LOAM
 pH: 6.7 Soil Name: PIERRON
 CEC: 12 Fert. Level: P1: 101 LB/A, K: 388 LB/A

	Application Description				
	A	B	C	D	E
Application Date:	06-18-08	07-11-08	07-11-08	07-25-08	08-11-08
Time of Day:	11:30	14:00	14:00	15:00	9:00
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	4-6"W-1	4-6"W-2	2-4"RG	R3
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	TGM	NRJ	NRJ	TGM	TGM
Air Temperature, Unit:	80 F	88 F	88 F	86 F	67 F
% Relative Humidity:	40	92	92	90	75
Wind Velocity, Unit:	2 MPH	4 MPH	4 MPH	1 MPH	3 MPH
Dew Presence (Y/N):	N	N	N		
Soil Temperature, Unit:	81 F	86 F	86 F	85 F	82 F
Soil Moisture:	NORMAL	NORMAL	NORMAL	ABONOR	NORMAL
% Cloud Cover:	0	25	25	15	0
Crop stage at application:	NA	V2	V2	R1	R3
Height Min, Max (inch):		5 7	5 7	18 21	35 42

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	Pest Stage At Each Application									
Application Date:	06-18-08	07-11-08	07-11-08	07-25-08	08-11-08					
Weed Code:	SETFA	SETFA	SETFA	SETFA	SETFA					
Stage Majority (leaves):	NA	4	4	NA	NA					
Stage Min, Max:		2 5	2 5							
Height Majority:		5 IN	5 IN							
Height Min, Max:		1 6	1 6							
Density, Unit:		1 FT2	1 FT2							
Weed Code:	CYPES	CYPES	CYPES	CYPES	CYPES					
Stage Majority (leaves):	NA	6	6	8	12					
Stage Min, Max:		3 8	3 8	4 12	10 14					
Height Majority:		5 IN	5 IN	14 IN	16 IN					
Height Min, Max:		3 7	3 7	3 18	8 20					
Density, Unit:		3 FT2	3 FT2	3 FT2	6 FT2					
Weed Code:	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR					
Stage Majority (leaves):	NA	6	6	2	6					
Stage Min, Max:		4 8	4 8	COTY 4	4 8					
Height Majority:		6 IN	6 IN	4 IN	13 IN					
Height Min, Max:		3 8	3 8	3 5	10 15					
Density, Unit:		2 FT2	2 FT2	0.5 FT2	0.2 FT2					
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA					
Stage Majority (leaves):	NA	7	7	8	NA					
Stage Min, Max:		2 10	2 10	2 12						
Height Majority:		4 IN	4 IN	3 IN						
Height Min, Max:		1 5	1 5	1 6						
Density, Unit:		2 FT2	2 FT2	1 FT2						
Weed Code:	IPOHE	IPOHE	IPOHE	IPOHE	IPOHE					
Stage Majority (leaves):	NA	3	3	6	NA					
Stage Min, Max:		COTY 4	COTY 4	3 8						
Height Majority:		2 IN	2 IN	4 IN						
Height Min, Max:		1 3	1 3	2 8						
Density, Unit:		0.5 FT2	0.5 FT2	1 FT2						
Weed Code:	XANST	XANST	XANST	XANST	XANST					
Stage Majority (leaves):	NA	5	5	2	4					
Stage Min, Max:		2 6	2 6	2 4	4 6					
Height Majority:		3 IN	3 IN	3 IN	6 IN					
Height Min, Max:		1 4	1 4	2 4	4 8					
Density, Unit:		0.5 FT2	0.5 FT2	1 FT2	0.2 FT2					

Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110

Location: Belleville Res. Center

Pest Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Crop Code							10-28-08	10-28-08	07-11-08	08-08-08	08-22-08			
Rating Date							Moisture	Yield	Injury	Injury	Injury			
Rating Data Type							Percent	bu/A	Percent	Percent	Percent			
Rating Unit									At Post	52 DAP	66 DAP			
Rating Timing									0 DA-B	28 DA-B	42 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	NONTREATED									13.0 a	16 g	0 e	0 a	0 a
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1 B		12.4 bc	41 ef		0 a	0 a
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1 B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1 B		12.3 c	54 ab		0 a	0 a
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1 B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"RG D						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG D						
4	VALOR XLT	40.3	WG			3	oz/a	PRE A		12.2 c	47 b-f	17 ab	0 a	0 a
4	VALOR SX	51	WG	0.056	lb ai/a			PRE A						
4	CLASSIC	25	WG	0.0194	lb ai/a			PRE A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
5	VALOR XLT	40.3	WG			3.5	oz/a	PRE A		12.4 bc	49 b-e	20 a	0 a	0 a
5	VALOR SX	51	WG	0.0653	lb ai/a			PRE A						
5	CLASSIC	25	WG	0.0227	lb ai/a			PRE A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
6	GANGSTER (CO-PACK)					2.4	oz/a	PRE A		12.4 bc	47 b-f	20 a	0 a	0 a
6	GANGSTER FR	84	WG	0.021	lb ai/a			PRE A						
6	GANGSTER V	51	WG	0.064	lb ai/a			PRE A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
7	GANGSTER (CO-PACK)					1.8	oz/a	PRE A		12.4 bc	50 a-d	15 bc	0 a	0 a
7	GANGSTER FR	84	WG	0.0158	lb ai/a			PRE A						
7	GANGSTER V	51	WG	0.048	lb ai/a			PRE A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
8	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	PRE A		12.5 bc	39 f	0 e	0 a	0 a
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
9	AUTHORITY FIRST	70	WG	0.131	lb ai/a	3	oz/a	PRE A		12.2 c	47 b-f	0 e	0 a	0 a
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
10	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE A		12.4 bc	50 a-d	0 e	0 a	0 a
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
11	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE A		12.3 c	41 ef	0 e	0 a	0 a
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
12	AUTHORITY MTZ	45	WG	0.338	lb ai/a	12	oz/a	PRE A		12.4 bc	44 c-f	0 e	0 a	0 a
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
13	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE A		12.4 bc	48 b-e	0 e	0 a	0 a
13	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2 C						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
14	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE A		12.4 bc	50 a-d	0 e	0 a	0 a
14	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2 C						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						
15	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1 B		12.3 c	53 abc		0 a	0 a
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1 B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1 B						
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG D						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG D						
16	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE A		12.5 bc	49 b-e	0 e	0 a	0 a
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2 C						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2 C						

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Pest Code														
Crop Code														
Rating Date														
Rating Data Type														
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	GLXMA 10-28-08 Moisture Percent	GLXMA 10-28-08 Yield bu/A	GLXMA 07-11-08 Injury Percent At Post 0 DA-B	GLXMA 08-08-08 Injury Percent 52 DAP 28 DA-B	GLXMA 08-22-08 Injury Percent 66 DAP 42 DA-B
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	12.5 bc	59 a	1 e	0 a	0 a
17	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A					
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
17	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	E					
17	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	R3	E					
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	12.5 bc	43 def	10 d	0 a	0 a
18	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C					
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
19	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	12.3 c	52 abc	12 cd	0 a	0 a
19	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C					
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
20	INTRRO	4	SC	2	lb ai/a	2	qt/a	PRE	A	12.8 ab	45 c-f	15 bc	0 a	0 a
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
21	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	12.5 bc	48 b-f	19 a	0 a	0 a
21	CLASSIC	25	WG	0.02	lb ai/a			PRE	A					
21	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A					
21	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A					
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
22	NONTREATED									12.8 ab	21 g	0 e	0 a	0 a
LSD (P=.05)										0.42	8.7	3.8	0.0	0.0
Replicate F										2.383	0.458	0.105	0.000	0.000
Replicate Prob(F)										0.1047	0.6357	0.9008	1.0000	1.0000
Treatment F										1.594	10.308	40.906	0.000	0.000
Treatment Prob(F)										0.0981	0.0001	0.0001	1.0000	1.0000

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

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Trial ID: 08-50E-N110 Location: Belleville Res. Center

Pest Code								SETFA	SETFA	SETFA	CYPES	CYPES	CYPES		
Crop Code								07-11-08	08-08-08	08-22-08	07-11-08	08-08-08	08-22-08		
Rating Date								Control	Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit								At Post	52 DAP	66 DAP	At Post	52 DAP	66 DAP		
Rating Timing								0 DA-B	28 DA-B	42 DA-B	0 DA-B	28 DA-B	42 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	NONTREATED									0 h	0 g	0 f	0 f	0 f	0 f
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B		93 f	93 e		65 e	65 e
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B		99 a	99 a		87 abc	86 abc
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"RG	D						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D						
4	VALOR XLT	40.3	WG			3	oz/a	PRE	A	70 de	96 b-e	96 a-d	78 abc	87 abc	87 abc
4	VALOR SX	51	WG	0.056	lb ai/a			PRE	A						
4	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
5	VALOR XLT	40.3	WG			3.5	oz/a	PRE	A	83 bc	98 abc	98 abc	77 a-d	87 abc	87 abc
5	VALOR SX	51	WG	0.0653	lb ai/a			PRE	A						
5	CLASSIC	25	WG	0.0227	lb ai/a			PRE	A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
6	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	93 ab	96 cde	96 bcd	76 a-d	82 cd	81 cd
6	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A						
6	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
7	GANGSTER (CO-PACK)					1.8	oz/a	PRE	A	83 bc	96 b-e	96 a-d	67 b-e	83 bcd	83 bcd
7	GANGSTER FR	84	WG	0.0158	lb ai/a			PRE	A						
7	GANGSTER V	51	WG	0.048	lb ai/a			PRE	A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
8	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	PRE	A	70 de	95 def	95 cde	63 cde	89 abc	89 abc
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
9	AUTHORITY FIRST	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	67 ef	95 def	95 cde	72 a-d	88 abc	88 abc
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
10	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	47 g	95 ef	95 de	67 b-e	87 abc	87 abc
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
11	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	77 cde	97 a-e	97 a-d	81 ab	92 ab	92 ab
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
12	AUTHORITY MTZ	45	WG	0.338	lb ai/a	12	oz/a	PRE	A	92 ab	98 ab	98 abc	78 abc	93 a	93 a
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
13	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	57 fg	97 a-d	97 a-d	75 a-d	91 abc	91 abc
13	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
14	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	80 cd	99 ab	99 a	78 abc	94 a	94 a
14	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
15	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B		99 a	99 a		92 ab	92 ab
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	D						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D						
16	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A	99 a	98 ab	98 ab	10 f	60 e	60 e
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110 Location: Belleville Res. Center

Pest Code		SETFA						CYPES							
Crop Code		07-11-08		08-08-08		08-22-08		07-11-08	08-08-08	08-22-08					
Rating Date		Control		Control		Control		Control	Control	Control					
Rating Data Type		Percent		Percent		Percent		Percent	Percent	Percent					
Rating Unit		At Post		52 DAP		66 DAP		At Post	52 DAP	66 DAP					
Rating Timing		0 DA-B		28 DA-B		42 DA-B		0 DA-B	28 DA-B	42 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						
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	98 a	98 abc	98 abc	78 abc	76 d	76 d
17	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A						
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
17	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	E						
17	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	R3	E						
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	99 a	97 a-e	97 a-d	70 a-d	87 abc	87 abc
18	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
19	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	98 a	98 abc	98 ab	62 de	82 cd	82 cd
19	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C						
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
20	INTRRO	4	SC	2	lb ai/a	2	qt/a	PRE	A	98 a	97 a-e	97 a-d	53 e	75 d	75 d
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
21	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	93 ab	99 a	98 ab	83 a	86 abc	86 abc
21	CLASSIC	25	WG	0.02	lb ai/a			PRE	A						
21	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A						
21	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A						
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
22	NONTREATED									0 h	0 g	0 f	0 f	0 f	0 f
LSD (P=.05)										10.8	2.6	2.7	15.5	10.0	10.0
Replicate F										1.884	2.228	2.960	0.417	4.639	4.703
Replicate Prob(F)										0.1667	0.1203	0.0627	0.6625	0.0151	0.0144
Treatment F										63.506	992.317	934.984	24.633	56.609	56.024
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110 Location: Belleville Res. Center

										AMBTR	AMBTR	AMBTR	AMATA	AMATA	AMATA
										07-11-08	08-08-08	08-22-08	07-11-08	08-08-08	08-22-08
										Control	Control	Control	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent
										At Post	52 DAP	66 DAP	At Post	52 DAP	66 DAP
										0 DA-B	28 DA-B	42 DA-B	0 DA-B	28 DA-B	42 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 f	0 i	0 i	0 b	0 f	0 f
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B	86	gh	85	fgh	94	d
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B					94	cd
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B	95	abc	95	abc	99	ab
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B					99	a
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"RG	D						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D						
4	VALOR XLT	40.3	WG			3	oz/a	PRE	A	68	bc	94	a-d	92	bcd
4	VALOR SX	51	WG	0.056	lb ai/a			PRE	A					99	a
4	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
5	VALOR XLT	40.3	WG			3.5	oz/a	PRE	A	77	abc	94	a-d	94	abc
5	VALOR SX	51	WG	0.0653	lb ai/a			PRE	A					99	a
5	CLASSIC	25	WG	0.0227	lb ai/a			PRE	A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
6	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	85	a	92	bcd	92	a-d
6	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A					89	a
6	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A					98	ab
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
7	GANGSTER (CO-PACK)					1.8	oz/a	PRE	A	68	bc	91	c-f	90	c-f
7	GANGSTER FR	84	WG	0.0158	lb ai/a			PRE	A					99	a
7	GANGSTER V	51	WG	0.048	lb ai/a			PRE	A					98	abc
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
8	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	PRE	A	7	ef	85	h	83	gh
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					99	a
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					97	abc
9	AUTHORITY FIRST	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	84	ab	90	d-g	88	d-g
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					99	a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					96	bcd
10	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	88	a	92	b-e	88	d-g
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					93	a
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					99	a
11	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	47	d	87	e-h	87	e-h
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					89	a
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					96	cd
12	AUTHORITY MTZ	45	WG	0.338	lb ai/a	12	oz/a	PRE	A	10	ef	84	h	83	h
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					98	a
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					99	a
13	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	72	abc	94	a-d	94	abc
13	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C					99	a
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					99	a
14	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	84	ab	91	c-f	91	cde
14	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C					99	a
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					99	a
15	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B	97	a	97	a	99	a
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	D						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D						
16	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A	0	f	86	fgh	83	gh
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					99	a
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					99	a

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110 Location: Belleville Res. Center

									AMBTR	AMBTR	AMBTR	AMATA	AMATA	AMATA	
									07-11-08	08-08-08	08-22-08	07-11-08	08-08-08	08-22-08	
									Control	Control	Control	Control	Control	Control	
									Percent	Percent	Percent	Percent	Percent	Percent	
									At Post	52 DAP	66 DAP	At Post	52 DAP	66 DAP	
									0 DA-B	28 DA-B	42 DA-B	0 DA-B	28 DA-B	42 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	62 cd	90 d-g	90 c-f	99 a	99 ab	99 a
17	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A						
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
17	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	E						
17	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	R3	E						
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	20 e	87 fgh	86 e-h	99 a	97 abc	97 abc
18	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
19	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	47 d	96 ab	96 ab	99 a	99 a	99 a
19	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C						
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
20	INTRRO	4	SC	2	lb ai/a	2	qt/a	PRE	A	17 e	85 h	83 gh	99 a	91 e	91 e
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
21	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	73 abc	95 a-d	95 abc	99 a	98 ab	95 bcd
21	CLASSIC	25	WG	0.02	lb ai/a			PRE	A						
21	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A						
21	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A						
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C						
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
22	NONTREATED									0 f	0 i	0 i	0 b	0 f	0 f
LSD (P=.05)									15.9	4.9	5.3	10.0	2.5	3.2	
Replicate F									3.601	3.088	1.416	0.745	1.035	1.947	
Replicate Prob(F)									0.0375	0.0561	0.2541	0.4817	0.3643	0.1554	
Treatment F									36.855	242.769	211.363	78.445	1079.388	648.781	
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

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

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110

Location: Belleville Res. Center

Pest Code							IPOHE	IPOHE	IPOHE	XANST	XANST					
Crop Code							07-11-08	08-08-08	08-22-08	08-08-08	08-22-08					
Rating Date							Control	Control	Control	Control	Control					
Rating Data Type							Percent	Percent	Percent	Percent	Percent					
Rating Unit							At Post	52 DAP	66 DAP	52 DAP	66 DAP					
Rating Timing							0 DA-B	28 DA-B	42 DA-B	28 DA-B	42 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	NONTREATED									0 g	0 h	0 i	0 e	0 d		
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B		85	d-g	85	e-h		
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B				96	a-d		
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-1	B	92	abc	92	a-d	98	ab	
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B				98	a		
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"RG	D							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D							
4	VALOR XLT	40.3	WG			3	oz/a	PRE	A	75	bcd	90	a-e	90	a-f	
4	VALOR SX	51	WG	0.056	lb ai/a			PRE	A							
4	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A							
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
5	VALOR XLT	40.3	WG			3.5	oz/a	PRE	A	82	abc	93	abc	93	a-d	
5	VALOR SX	51	WG	0.0653	lb ai/a			PRE	A							
5	CLASSIC	25	WG	0.0227	lb ai/a			PRE	A							
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
6	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	82	abc	91	a-d	89	b-f	
6	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A							
6	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A							
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
7	GANGSTER (CO-PACK)					1.8	oz/a	PRE	A	85	ab	95	a	95	ab	
7	GANGSTER FR	84	WG	0.0158	lb ai/a			PRE	A							
7	GANGSTER V	51	WG	0.048	lb ai/a			PRE	A							
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
8	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	PRE	A	67	cde	94	ab	94	abc	
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
9	AUTHORITY FIRST	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	73	b-e	92	abc	92	a-d	
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
10	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	80	a-d	93	abc	93	a-d	
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
11	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	57	e	91	a-d	93	a-d	
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
12	AUTHORITY MTZ	45	WG	0.338	lb ai/a	12	oz/a	PRE	A	86	ab	92	a-d	92	a-e	
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
13	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	63	de	92	abc	92	a-d	
13	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C							
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
14	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	94	a	96	a	96	a	
14	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-2	C							
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							
15	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B		96	a	96	ab	99	a
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B							
15	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	D							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	D							
16	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A	32	f	87	c-f	87	d-g	
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C							
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C							

PRE/POST Programs in Glyphosate-Resistant Soybean.

Trial ID: 08-50E-N110

Location: Belleville Res. Center

Pest Code								IPOHE	IPOHE	IPOHE	XANST	XANST		
Crop Code								07-11-08	08-08-08	08-22-08	08-08-08	08-22-08		
Rating Date								Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent		
Rating Unit								At Post	52 DAP	66 DAP	52 DAP	66 DAP		
Rating Timing								0 DA-B	28 DA-B	42 DA-B	28 DA-B	42 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					
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	PRE	A	90 ab	88 b-f	88 c-g	96 a-d	96 abc
17	PROWL H2O	455	CS	1.18	lb ai/a	2.5	pt/a	PRE	A					
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
17	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	E					
17	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	R3	E					
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	28 f	82 fg	82 gh	97 a-d	97 abc
18	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C					
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
19	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	30 f	84 efg	84 fgh	98 ab	98 a
19	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-2	C					
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
20	INTRRO	4	SC	2	lb ai/a	2	qt/a	PRE	A	17 fg	80 g	80 h	97 a-d	94 abc
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
21	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	85 ab	94 ab	93 a-d	97 abc	97 abc
21	CLASSIC	25	WG	0.02	lb ai/a			PRE	A					
21	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A					
21	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A					
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-2	C					
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
22	NONTREATED									0 g	0 h	0 i	0 e	0 d
LSD (P=.05)										16.8	6.7	6.9	6.4	7.9
Replicate F										1.679	7.755	6.418	14.100	10.890
Replicate Prob(F)										0.2009	0.0014	0.0037	0.0001	0.0002
Treatment F										28.371	132.305	123.667	160.246	104.216
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: Valent (MD 64.04), BASF, Dow AgroSciences, FMC, Syngenta, DuPont.
2. Ratings: CI/WC at 28 DAP or prior to POST (whichever comes first); CI/WC at 56 DAP and 28 DA"C".
3. Yield.
4. DA-A = Days after the PRE application. At Post = Prior to any postemergence application and the same day as the first postemergence application.
DA-B = Days after 4-6"W-1 and 4-6"W-2 applications (applied the same day). DAP = Days after planting.
Ratings on 08-08-08 at 28 DA-B were also 14 days after the 2-4"RG application and before the R3 application.
Ratings on 08-22-08 at 42 DA-B were also 28 days after the 2-4"RG application and 11 days after the R3 application.
5. At the Belleville Research Center the above normal rainfall in spring 2008 (no more than four consecutive rain-free days between March 22 and June 15) delayed corn and soybean planting until mid-June.
6. Following the PRE application on June 18, rainfall was 0.29 inch 2 days later and 0.35 inch 9 days later.
7. Harvested 10-28-08, (2) 30 inch rows by 24 ft.