

Soybean, Tilled Weed Control Studies

Southern Illinois University

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100 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: 6-6-11

Objectives: Compare the efficacy of various soybean herbicide programs that include standard commercial programs and recent herbicide products.

Crop 1: GLXMA Soybean Variety: AG 4005 Description: RR
 Planting Method: SEEDED Planting Date: 6-6-11
 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: XANST Xanthium strumarium L. cocklebur, common
 Pest 5 Type: W Code: AMBEL Ambrosia artemisiifolia L. ragweed, common
 Pest 6 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 7 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2010

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 150 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 5.9 Soil Name: PIERRON
 CEC: 6 Fert. Level: P1:41 LB/A, K:257 LB/A

Application	Description				
	A	B	C	D	E
Application Date:	6-7-11	7-1-11	7-5-11	7-17-11	7-22-11
Time of Day:	12:30	7:15	9:30	7:30	8:00
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	4-6"W-1	4-6"W-2	4-6"W-3	2-4"RG
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	LAH	CME	LAH	LAH	LAH
Air Temperature, Unit:	95 F	76 F	81 F	86 F	86 F
% Relative Humidity:	40	80	67	75	75
Wind Velocity, Unit:	6 MPH	4 MPH	4 MPH	0 MPH	0 MPH
Wind Direction:	SW	SW	NE		
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	76 F	78 F	79 F	81 F	83 F
Soil Moisture:	NORMAL	NORMAL	ABONOR	NORMAL	NORMAL
% Cloud Cover:	0	0	0	0	0
Crop stage at application:	7-6-11 NA	1-7-11 V1-V2	5-7-11 V3	17-7-11 V4-V5	22-7-11 R1-R2
Height Min, Max (inch):		5 6	5 6	6 6	8 12 14

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	Pest Stage At Each Application									
Application Date:	6-7-11	7-1-11	7-5-11	7-17-11	7-22-11					
Weed Code:	SETFA	SETFA	SETFA	SETFA	SETFA	SETFA				
Stage Majority (leaves):	NA	2	3	3	NA	NA				
Stage Min, Max:		1 3	2 4	2 4						
Height Majority:		5	IN 6	IN 5	IN					
Height Min, Max:		1 10	1 12	1 8						
Density, Unit:		0.01 FT2	0.01 FT2	0.01 FT2						
Weed Code:	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES				
Stage Majority (leaves):	NA	6	7	8	5	NA				
Stage Min, Max:		3 12	4 12	5 10	3 6					
Height Majority:		4	IN 4	IN 6	IN 5	IN				
Height Min, Max:		1 12	2 12	3 13	3 8					
Density, Unit:		2 FT2	0.1 FT2	0.1 FT2	0.1 FT2	0.1 FT2				
Weed Code:	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR				
Stage Majority (leaves):	NA	6	8	7	6	NA				
Stage Min, Max:		1 14	1 18	2 12	4 14					
Height Majority:		5	IN 6	IN 6	IN 6	IN				
Height Min, Max:		1 10	1 13	2 12	4 10					
Density, Unit:		0.1 FT2	0.1 FT2	0.1 FT2	0.1 FT2	0.1 FT2				
Weed Code:	XANST	XANST	XANST	XANST	XANST	XANST				
Stage Majority (leaves):	NA	4	4	6	NA	NA				
Stage Min, Max:		3 5	2 6	2 10						
Height Majority:		3	IN 4	IN 4	IN					
Height Min, Max:		1 5	1 6	0.5 5						
Density, Unit:		0.1 FT2	0.1 FT2	0.01 FT2						
Weed Code:	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL				
Stage Majority (leaves):	NA	6	6	6	NA	NA				
Stage Min, Max:		coty 7	2 6	4 8						
Height Majority:		2	IN 5	IN 4	IN					
Height Min, Max:		0.5 5	1 7	2 5						
Density, Unit:		1.5 FT2	0.5 FT2	0.01 FT2						
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA				
Stage Majority (leaves):	NA	NA	NA	4	4	NA				
Stage Min, Max:				2 6	2 6					
Height Majority:				2	IN 2	IN				
Height Min, Max:				1 3	1 3					
Density, Unit:				0.01 FT2	0.01 FT2	0.01 FT2				
Weed Code:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH				
Stage Majority (leaves):	NA	NA	NA	4	4	NA				
Stage Min, Max:				2 5	2 6					
Height Majority:				4	IN 5	IN				
Height Min, Max:				1 6	1 7					
Density, Unit:				0.01 FT2	0.01 FT2	0.01 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

General Soybean Herbicide Program Comparison.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	GLXMA 10-21-11 Moisture Percent	GLXMA 10-21-11 Yield bu/A	GLXMA 7-5-11 Injury Percent	GLXMA 7-26-11 Injury Percent	GLXMA 8-16-11 Injury Percent
1	NONTREATED									13.4 a	10 e	0 b	0 a	0 a
2	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	12.5 bc	68 a	0 b	0 a	0 a
2	CLASSIC	25	WG	0.02	lb ai/a			PRE	A					
2	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A					
2	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A					
2	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D					
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
3	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	12.5 bc	66 ab	0 b	0 a	0 a
3	CLASSIC	25	WG	0.02	lb ai/a			PRE	A					
3	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A					
3	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A					
3	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D					
3	SYNCHRONY XP	28.4	WG	0.00586	lb ai/a	0.33	oz/a	4-6"W-3	D					
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
4	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	12.3 c	65 abc	0 b	0 a	0 a
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	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	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	12.6 bc	60 cd	0 b	0 a	0 a
5	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C					
5	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C					
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
6	SEQUENCE	5.25	SL	1.64	lb ae/a	2.5	pt/a	PRE	A	12.5 bc	64 abc	0 b	0 a	0 a
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C					
6	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C					
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C					
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	12.6 b	63 a-d	0 b	0 a	0 a
7	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D					
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
8	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	12.5 bc	60 cd	0 b	0 a	0 a
8	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D					
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B	12.4 bc	62 a-d		0 a	0 a
9	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B					
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	E					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	E					
10	VALOR XLT	40.3	WG			3	oz/a	PRE	A	12.4 bc	64 abc	0 b	0 a	0 a
10	VALOR SX	51	WG	0.056	lb ai/a			PRE	A					
10	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
11	FIERCE	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	12.4 c	62 a-d	3 a	0 a	0 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
12	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	12.5 bc	65 abc	0 b	0 a	0 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	12.5 bc	64 a-d	0 b	0 a	0 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
14	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	12.4 bc	64 a-d	0 b	0 a	0 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
15	ANTHEM	2.15	SE	0.134	lb ai/a	8	fl oz/a	PRE	A	12.4 c	60 bcd	0 b	0 a	0 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					

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Pest Code														
Crop Code										GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Date										10-21-11	10-21-11	7-5-11	7-26-11	8-16-11
Rating Data Type										Moisture	Yield	Injury	Injury	Injury
Rating Unit										Percent	bu/A	Percent	Percent	Percent
Rating Timing												28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval												0 DA-C	21 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
16	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	12.5 bc	60 cd	0 b	0 a	0 a
16	ZIDUA	85	WG	0.133	lb ai/a	2.5	oz/a	PRE	A					
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D					
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	4-6"W-1	B	12.5 bc	58 d		0 a	0 a
17	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-1	B					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B					
LSD (P=.05)										0.26	5.7	1.2	0.0	0.0
Replicate F										1.460	7.514	1.000	0.000	0.000
Replicate Prob(F)										0.2473	0.0021	0.3806	1.0000	1.0000
Treatment F										6.503	43.145	4.000	0.000	0.000
Treatment Prob(F)										0.0001	0.0001	0.0009	1.0000	1.0000

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

General Soybean Herbicide Program Comparison.

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Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	CYPES	CYPES	CYPES
Crop Code						
Rating Date	7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing	28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval	0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C

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 e	0 d	0 e	0 e	0 e
2	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 ab	98 bc	99 a	99 a	98 abc	97 bcd
2	CLASSIC	25	WG	0.02	lb ai/a			PRE	A						
2	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A						
2	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A						
2	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D						
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
3	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 ab	98 bc	98 ab	99 a	98 abc	96 d
3	CLASSIC	25	WG	0.02	lb ai/a			PRE	A						
3	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A						
3	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A						
3	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D						
3	SYNCHRONY XP	28.4	WG	0.00586	lb ai/a	0.33	oz/a	4-6"W-3	D						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
4	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	99 a	97 d	98 ab	98 ab	95 d	97 a-d
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	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	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	98 abc	98 c	98 ab	83 cd	97 bc	96 cd
5	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C						
5	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
6	SEQUENCE	5.25	SL	1.64	lb ae/a	2.5	pt/a	PRE	A	98 ab	98 c	97 bc	96 ab	97 c	97 a-d
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C						
6	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C						
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	92 e	98 bc	98 ab	96 ab	98 abc	97 bcd
7	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
8	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	96 bcd	98 bc	98 ab	96 ab	98 abc	97 bcd
8	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B		99 a	99 a		98 ab	98 ab
9	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	E						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	E						
10	VALOR XLT	40.3	WG			3	oz/a	PRE	A	99 a	98 abc	99 ab	99 a	98 ab	97 a-d
10	VALOR SX	51	WG	0.056	lb ai/a			PRE	A						
10	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
11	FIERCE	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	99 a	99 ab	99 a	78 d	98 ab	98 abc
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
12	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	96 bcd	99 a	99 a	98 ab	98 ab	97 a-d
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	95 cde	99 ab	98 ab	96 ab	98 ab	98 ab
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
14	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	94 de	99 ab	99 a	93 abc	98 a	98 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
15	ANTHEM	2.15	SE	0.134	lb ai/a	8	fl oz/a	PRE	A	98 abc	98 c	96 c	83 cd	98 abc	97 a-d
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						

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Pest Code		SETFA	SETFA	SETFA	CYPES	CYPES	CYPES
Crop Code							
Rating Date		7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
Rating Data Type		Control	Control	Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing		28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval		0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
16	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	98 abc	99 ab	98 ab	88 bcd	97 bc	97 a-d
16	ZIDUA	85	WG	0.133	lb ai/a	2.5	oz/a	PRE	A						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	4-6"W-1	B		99 ab	99 a		98 ab	97 a-d
17	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-1	B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
LSD (P=.05)										3.1	1.0	1.9	10.2	0.9	1.6
Replicate F										2.509	2.457	1.975	0.004	12.758	7.197
Replicate Prob(F)										0.0994	0.1017	0.1554	0.9958	0.0001	0.0026
Treatment F										536.251	4963.365	1351.633	50.040	6048.115	1872.154
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)

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100

Location: Belleville Res. Center

Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMBTR	AMBTR	AMBTR	XANST	XANST	XANST
							7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
							Control	Control	Control	Control	Control	Control
							Percent	Percent	Percent	Percent	Percent	Percent
							28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
							0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C
1	NONTREATED						0 d	0 c	0 c	0 f	0 d	0 c
2	ENVIVE	41.3	WG			3.5 oz/a	99 a	99 a	99 a	94 a	99 a	98 a
2	CLASSIC	25	WG	0.02	lb ai/a							
2	HARMONY SG	50	SG	0.00643	lb ai/a							
2	VALOR SX	51	WG	0.0635	lb ai/a							
2	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32 fl oz/a				4-6"W-3	D	
2	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
3	ENVIVE	41.3	WG			3.5 oz/a	98 a	99 a	99 a	95 a	98 ab	99 a
3	CLASSIC	25	WG	0.02	lb ai/a							
3	HARMONY SG	50	SG	0.00643	lb ai/a							
3	VALOR SX	51	WG	0.0635	lb ai/a							
3	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32 fl oz/a				4-6"W-3	D	
3	SYNCHRONY XP	28.4	WG	0.00586	lb ai/a	0.33 oz/a				4-6"W-3	D	
3	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
4	PREFIX	5.29	EC	1.32	lb ai/a	2 pt/a	93 a	99 a	98 b	43 d	95 c	88 b
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24 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	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5 pt/a	81 b	98 b	99 a	57 cd	98 ab	94 ab
5	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3 pt/a				4-6"W-2	C	
5	MSO (MSO ULTRA)	100	SL	1	% v/v	1 % v/v				4-6"W-2	C	
5	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-2	C	
6	SEQUENCE	5.25	SL	1.64	lb ae/a	2.5 pt/a	15 c	99 a	98 b	20 e	97 bc	93 ab
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3 pt/a				4-6"W-2	C	
6	MSO (MSO ULTRA)	100	SL	1	% v/v	1 % v/v				4-6"W-2	C	
6	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-2	C	
7	SONIC	70	WG	0.131	lb ai/a	3 oz/a	97 a	99 a	99 a	87 a	99 a	97 a
7	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a				4-6"W-3	D	
7	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
8	SONIC	70	WG	0.197	lb ai/a	4.5 oz/a	98 a	99 a	99 a	93 a	98 ab	97 a
8	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a				4-6"W-3	D	
8	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
9	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a		99 a	99 a		99 a	99 a
9	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3 oz/a				4-6"W-1	B	
9	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-1	B	
9	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a				2-4"RG	E	
9	N-PAK AMS	100	SL	5	% v/v	5 % v/v				2-4"RG	E	
10	VALOR XLT	40.3	WG			3 oz/a	99 a	99 a	99 a	96 a	99 a	99 a
10	VALOR SX	51	WG	0.056	lb ai/a							
10	CLASSIC	25	WG	0.0194	lb ai/a							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
10	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
11	FIERCE	76	WG	0.143	lb ai/a	3 oz/a	99 a	99 a	99 a	83 ab	99 ab	99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
11	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
12	AUTHORITY XL	70	WG	0.175	lb ai/a	4 oz/a	97 a	99 a	99 a	92 a	99 a	99 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
12	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2 oz/a	98 a	99 a	99 a	98 a	99 ab	99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
13	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
14	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10 oz/a	98 a	99 a	99 a	90 a	99 a	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
14	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	
15	ANTHEM	2.15	SE	0.134	lb ai/a	8 fl oz/a	97 a	99 a	99 a	63 bc	99 a	99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a				4-6"W-3	D	
15	N-PAK AMS	100	SL	5	% v/v	5 % v/v				4-6"W-3	D	

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100 Location: Belleville Res. Center

										AMBTR	AMBTR	AMBTR	XANST	XANST	XANST
Pest Code										7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type										28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
Rating Unit										0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C
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						
16	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	98 a	99 a	99 a	83 ab	99 ab	98 a
16	ZIDUA	85	WG	0.133	lb ai/a	2.5	oz/a	PRE	A						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	4-6"W-1	B		99 a	99 a		99 ab	97 a
17	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-1	B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
LSD (P=.05)										10.2	0.9	1.3	19.9	2.3	6.7
Replicate F										4.002	1.515	2.133	0.490	3.676	7.864
Replicate Prob(F)										0.0300	0.2351	0.1350	0.6176	0.0366	0.0017
Treatment F										80.870	5335.751	2931.400	19.398	933.944	106.134
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)

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100

Location: Belleville Res. Center

Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMBEL	AMBEL	AMBEL	AMATA	AMATA	AMATA
							7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
							Control	Control	Control	Control	Control	Control
							Percent	Percent	Percent	Percent	Percent	Percent
							28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
							0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C
1	NONTREATED						0 f	0 c	0 c	0 c	0 c	0 c
2	ENVIVE	41.3	WG			3.5 oz/a	96 a	99 a	99 a	99 a	98 ab	98 a
2	CLASSIC	25	WG	0.02	lb ai/a							
2	HARMONY SG	50	SG	0.00643	lb ai/a							
2	VALOR SX	51	WG	0.0635	lb ai/a							
2	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32 fl oz/a						
2	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
3	ENVIVE	41.3	WG			3.5 oz/a	97 a	99 a	98 ab	99 a	98 ab	98 ab
3	CLASSIC	25	WG	0.02	lb ai/a							
3	HARMONY SG	50	SG	0.00643	lb ai/a							
3	VALOR SX	51	WG	0.0635	lb ai/a							
3	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32 fl oz/a						
3	SYNCHRONY XP	28.4	WG	0.00586	lb ai/a	0.33 oz/a						
3	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
4	PREFIX	5.29	EC	1.32	lb ai/a	2 pt/a	80 bc	99 ab	99 a	99 a	96 ab	96 ab
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24 fl oz/a						
4	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5 pt/a	75 c	99 a	99 a	96 b	98 ab	98 a
5	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3 pt/a						
5	MSO (MSO ULTRA)	100	SL	1	% v/v	1 % v/v						
5	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
6	SEQUENCE	5.25	SL	1.64	lb ae/a	2.5 pt/a	23 e	99 a	99 a	98 ab	99 ab	99 a
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3 pt/a						
6	MSO (MSO ULTRA)	100	SL	1	% v/v	1 % v/v						
6	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
7	SONIC	70	WG	0.131	lb ai/a	3 oz/a	93 ab	99 ab	99 a	99 a	98 ab	97 ab
7	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a						
7	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
8	SONIC	70	WG	0.197	lb ai/a	4.5 oz/a	95 a	98 b	98 ab	99 a	99 a	98 ab
8	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a						
8	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
9	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a		99 a	99 a		98 ab	99 a
9	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3 oz/a						
9	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
9	DURANGO DMA	4	SL	0.75	lb ae/a	24 fl oz/a					2-4"RG	E
9	N-PAK AMS	100	SL	5	% v/v	5 % v/v					2-4"RG	E
10	VALOR XLT	40.3	WG			3 oz/a	97 a	99 a	99 a	99 a	99 a	99 a
10	VALOR SX	51	WG	0.056	lb ai/a							
10	CLASSIC	25	WG	0.0194	lb ai/a							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
10	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
11	FIERCE	76	WG	0.143	lb ai/a	3 oz/a	95 a	99 a	99 a	99 a	99 ab	99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
11	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
12	AUTHORITY XL	70	WG	0.175	lb ai/a	4 oz/a	94 ab	99 a	99 a	99 a	99 a	98 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
12	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2 oz/a	93 ab	99 ab	99 a	98 ab	99 ab	99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
13	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
14	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10 oz/a	75 c	98 ab	98 ab	99 a	99 ab	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
14	N-PAK AMS	100	SL	5	% v/v	5 % v/v						
15	ANTHEM	2.15	SE	0.134	lb ai/a	8 fl oz/a	57 d	99 ab	98 ab	98 ab	99 ab	99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22 fl oz/a						
15	N-PAK AMS	100	SL	5	% v/v	5 % v/v						

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100 Location: Belleville Res. Center

Pest Code									AMBEL	AMBEL	AMBEL	AMATA	AMATA	AMATA
Crop Code														
Rating Date									7-5-11	7-26-11	8-16-11	7-5-11	7-26-11	8-16-11
Rating Data Type									Control	Control	Control	Control	Control	Control
Rating Unit									Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing									28 DA-A	9 DA-D	30 DA-D	28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval									0 DA-C	21 DA-C	42 DA-C	0 DA-C	21 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
16	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	96 a	99 ab	99 a	99 a	98 ab	96 ab
16	ZIDUA	85	WG	0.133	lb ai/a	2.5	oz/a	PRE	A						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D						
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	4-6"W-1	B		98 b	97 b		96 b	94 b
17	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-1	B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B						
LSD (P=.05)										14.1	1.2	2.2	2.6	2.7	4.5
Replicate F										0.214	3.747	1.507	0.858	0.776	2.675
Replicate Prob(F)										0.8084	0.0345	0.2369	0.4347	0.4688	0.0843
Treatment F										36.823	3284.230	947.882	826.222	654.184	229.655
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)

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	7-5-11	7-26-11	8-16-11
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval	0 DA-C	21 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NONTREATED									0 c	0 c	0 c
2	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 a	98 a	98 a
2	CLASSIC	25	WG	0.02	lb ai/a			PRE	A			
2	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A			
2	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A			
2	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D			
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
3	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 a	98 a	99 a
3	CLASSIC	25	WG	0.02	lb ai/a			PRE	A			
3	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A			
3	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A			
3	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	4-6"W-3	D			
3	SYNCHRONY XP	28.4	WG	0.00586	lb ai/a	0.33	oz/a	4-6"W-3	D			
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
4	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	66 b	99 a	98 a
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	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	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	99 a	98 a	98 a
5	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C			
5	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C			
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C			
6	SEQUENCE	5.25	SL	1.64	lb ae/a	2.5	pt/a	PRE	A	70 b	98 a	98 a
6	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	4-6"W-2	C			
6	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	4-6"W-2	C			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-2	C			
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	99 a	99 a	99 a
7	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
8	SONIC	70	WG	0.197	lb ai/a	4.5	oz/a	PRE	A	99 a	99 a	99 a
8	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-3	D			
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W-1	B		98 a	99 a
9	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	4-6"W-1	B			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B			
9	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"RG	E			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-4"RG	E			
10	VALOR XLT	40.3	WG			3	oz/a	PRE	A	99 a	98 a	99 a
10	VALOR SX	51	WG	0.056	lb ai/a			PRE	A			
10	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A			
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
11	FIERCE	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	99 a	99 a	99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
12	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	99 a	98 a	99 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	99 a	99 a	99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
14	AUTHORITY MTZ	45	WG	0.28	lb ai/a	10	oz/a	PRE	A	96 a	98 a	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			
15	ANTHEM	2.15	SE	0.134	lb ai/a	8	fl oz/a	PRE	A	91 a	98 a	98 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D			
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D			

General Soybean Herbicide Program Comparison.

Trial ID: 11-2A-ME100

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	7-5-11	7-26-11	8-16-11
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	28 DA-A	9 DA-D	30 DA-D
Trt-Eval Interval	0 DA-C	21 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
16	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	99	a	99 a	
16	ZIDUA	85	WG	0.133	lb ai/a	2.5	oz/a	PRE	A				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W-3	D				
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-3	D				
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	4-6"W-1	B	84	b	93 b	
17	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W-1	B				
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W-1	B				
LSD (P=.05)										17.8		8.5	4.6
Replicate F										2.644		1.324	2.463
Replicate Prob(F)										0.0887		0.2802	0.1012
Treatment F										18.552		65.535	220.774
Treatment Prob(F)										0.0001		0.0001	0.0001

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

Trial Comments

1. Protocol: Syngenta, Dow, Valent, FMC, DuPont.
2. CI/WC at 0, 21, and 42 DA-C.
3. Yield.
4. Ratings at 21 DA-C were also 24 DA-B.
Ratings at 42 DA-C were also 46 DA-B.
5. Harvested 10-21-11, (2) 30 inch rows by 25 ft.