

Soybean, Tilled Weed Control Studies

Southern Illinois University

Preemergence Broadleaf Herbicides in Soybean - 1.

Trial ID: 09-2A-M90

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: 06-30-09

Objectives: Compare the efficacy of several preemergence herbicides for residual broadleaf control in soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
Planting Method: SEEDS Planting Date: 06-30-09
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: AMBEL Ambrosia artemisiifolia L. ragweed, common
Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
Pest 4 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 2008

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

% OM: 1.6 Texture: SILT LOAM
pH: 6.2 Soil Name: PIERRON
CEC: 7 Fert. Level: P1:93 LB/A, K:448 LB/A

Application Description

	A	B
Application Date:	07-01-09	08-11-09
Time of Day:	8:00	10:00
Application Method:	Spray	Spray
Application Timing:	PRE	42DAP
Application Placement:	BROSOI	BROFOL
Applied By:	DKP	DKP
Air Temperature, Unit:	70 F	76 F
% Relative Humidity:	92	92
Wind Velocity, Unit:	3 MPH	2 MPH
Wind Direction:	W	W
Dew Presence (Y/N):	N	N
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	60	100

Crop stage at application:	NA	R1
Height Min, Max (inch):	18	24

Pest Stage At Each Application

	A	B
Application Date:	07-01-09	08-11-09
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	NA	6
Stage Min, Max:		3 12
Height Majority:		8 IN
Height Min, Max:		4 24
Density, Unit:		0.5 FT2
Weed Code:	AMBEL	AMBEL
Stage Majority (leaves):	NA	8
Stage Min, Max:		4 12
Height Majority:		14 IN
Height Min, Max:		3 24
Density, Unit:		0.7 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	12
Stage Min, Max:		2 20
Height Majority:		12 IN
Height Min, Max:		3 28
Density, Unit:		0.5 FT2
Weed Code:	ABUTH	ABUTH
Stage Majority (leaves):	NA	8
Stage Min, Max:		2 10
Height Majority:		10 IN
Height Min, Max:		2 20
Density, Unit:		1 FT2

Application Equipment

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

Preemergence Broadleaf Herbicides in Soybean - 1.

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										GLXMA	GLXMA	SETFA	SETFA	SETFA
										07-15-09	07-29-09	07-29-09	08-12-09	08-26-09
										Injury	Injury	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent
										14 DA-A	28 DA-A	28 DA-A	42 DA-A	56 DA-A
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl					
No.	Name	Conc	Type		Unit	Rate	Rate	Stage	Code					
1	NONTREATED									0 g	0 e	0 c	0 d	0 c
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					99 a
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	6 d	4 d	96 a	90 ab	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
4	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	PRE	A	11 c	5 cd	95 a	90 ab	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	10 c	8 bc	96 a	93 ab	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
6	PROWL H2O	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	3 d-g	2 de	77 b	68 c	98 b
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
7	V-10233	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	18 b	9 b	98 a	95 a	99 a
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
8	V-10233	76	WG	0.178	lb ai/a	3.75	oz/a	PRE	A	25 a	18 a	98 a	97 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
9	VALOR XLT	40.3	WG			3	oz/a	PRE	A	4 d-g	4 d	97 a	95 a	99 a
9	VALOR SX	51	WG	0.056	lb ai/a			PRE	A					
9	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
10	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	4 def	3 de	97 a	96 a	99 a
10	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A					
10	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
11	PREFIX	5.29	EC	1.1	lb ai/a	1.67	pt/a	PRE	A	4 def	4 d	96 a	93 ab	98 b
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
12	CANOPY EX	29.5	WG			1.67	oz/a	PRE	A	2 efg	0 e	77 b	67 c	99 a
12	CLASSIC	25	WG	0.0237	lb ai/a			PRE	A					
12	EXPRESS	50	SG	0.0071	lb ai/a			PRE	A					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
13	ENVIVE	41.3	WG			3	oz/a	PRE	A	5 de	4 d	97 a	94 ab	99 a
13	CLASSIC	25	WG	0.01714	lb ai/a			PRE	A					
13	HARMONY SG	50	SG	0.00551	lb ai/a			PRE	A					
13	VALOR SX	51	WG	0.05443	lb ai/a			PRE	A					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
14	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	1 fg	0 e	92 a	88 b	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
15	PURSUIT PLUS	2.9	EC	0.91	lb ai/a	2.5	pt/a	PRE	A	4 def	2 de	94 a	93 ab	99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
16	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	PRE	A	2 d-g	0 e	82 b	67 c	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B					
LSD (P=.05)										3.8	3.4	7.3	6.7	0.7

Location: Belleville Res. Center

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
Replicate F		11.473		5.784		0.873		1.673	2.143
Replicate Prob(F)		0.0002		0.0079		0.4289		0.2059	0.1349
Treatment F		27.113		15.494		99.021		118.230	11793.492
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)

Preemergence Broadleaf Herbicides in Soybean - 1.

Trial ID: 09-2A-M90

Location: Belleville Res. Center

										AMBEL	AMBEL	AMBEL	AMATA	AMATA	AMATA
Pest Code										07-29-09	08-12-09	08-26-09	07-29-09	08-12-09	08-26-09
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type										1 DA-B	1 DA-B	15 DA-B	1 DA-B	1 DA-B	15 DA-B
Rating Unit										28 DA-A	42 DA-A	56 DA-A	28 DA-A	42 DA-A	56 DA-A
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	NONTREATED									0 f	0 g	0 c	0 e	0 e	0 e
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B			80 a			84 bc
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	92 a	81 cd	95 a	98 ab	99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
4	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	PRE	A	96 a	88 abc	96 a	99 a	99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	98 a	95 ab	98 a	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
6	PROWL H2O	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	30 e	13 f	88 a	57 c	47 c	92 ab
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
7	V-10233	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	98 a	95 ab	99 a	99 a	99 a	99 a
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
8	V-10233	76	WG	0.178	lb ai/a	3.75	oz/a	PRE	A	99 a	97 ab	98 a	99 a	99 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
9	VALOR XLT	40.3	WG			3	oz/a	PRE	A	98 a	97 ab	98 a	99 a	98 a	98 a
9	VALOR SX	51	WG	0.056	lb ai/a			PRE	A						
9	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A						
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
10	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	99 a	99 a	99 a	99 a	99 a	98 a
10	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A						
10	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
11	PREFIX	5.29	EC	1.1	lb ai/a	1.67	pt/a	PRE	A	78 b	70 d	81 a	99 a	91 a	98 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
12	CANOPY EX	29.5	WG			1.67	oz/a	PRE	A	96 a	87 bc	93 a	3 e	0 e	43 d
12	CLASSIC	25	WG	0.0237	lb ai/a			PRE	A						
12	EXPRESS	50	SG	0.0071	lb ai/a			PRE	A						
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
13	ENVIVE	41.3	WG			3	oz/a	PRE	A	99 a	97 ab	99 a	98 ab	94 a	99 a
13	CLASSIC	25	WG	0.01714	lb ai/a			PRE	A						
13	HARMONY SG	50	SG	0.00551	lb ai/a			PRE	A						
13	VALOR SX	51	WG	0.05443	lb ai/a			PRE	A						
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
14	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	97 a	90 abc	98 a	93 b	80 b	95 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
15	PURSUIT PLUS	2.9	EC	0.91	lb ai/a	2.5	pt/a	PRE	A	57 d	37 e	42 b	50 d	37 d	80 c
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
16	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	PRE	A	67 c	22 f	42 b	97 ab	97 a	98 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B						
LSD (P=.05)										7.7	11.1	21.9	5.6	8.5	10.3

Location: Belleville Res. Center

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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Replicate F	1.090	1.839	2.033	3.831	2.063	0.136
Replicate Prob(F)	0.3501	0.1776	0.1485	0.0338	0.1460	0.8734
Treatment F	126.539	82.552	14.420	336.035	156.518	57.930
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)

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Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	07-29-09	08-12-09	08-26-09
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing		1 DA-B	15 DA-B
Trt-Eval Interval	28 DA-A	42 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED										0 e	0 d	0 e
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				66 bc
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	93 ab	94 a	97 a	
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
4	VALOR SX	51	WG	0.08	lb ai/a	2.5	oz/a	PRE	A	96 ab	96 a	99 a	
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
5	VALOR SX	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	95 ab	96 a	98 a	
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
6	PROWL H2O	3.8	CS	0.95	lb ai/a	2	pt/a	PRE	A	3 e	0 d	47 cd	
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
7	V-10233	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	99 a	97 a	99 a	
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
8	V-10233	76	WG	0.178	lb ai/a	3.75	oz/a	PRE	A	99 a	97 a	99 a	
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
9	VALOR XLT	40.3	WG			3	oz/a	PRE	A	97 ab	96 a	99 a	
9	VALOR SX	51	WG	0.056	lb ai/a			PRE	A				
9	CLASSIC	25	WG	0.0194	lb ai/a			PRE	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
10	GANGSTER (CO-PACK)					2.4	oz/a	PRE	A	99 a	98 a	99 a	
10	GANGSTER FR	84	WG	0.021	lb ai/a			PRE	A				
10	GANGSTER V	51	WG	0.064	lb ai/a			PRE	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
11	PREFIX	5.29	EC	1.1	lb ai/a	1.67	pt/a	PRE	A	15 d	28 c	43 d	
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
12	CANOPY EX	29.5	WG			1.67	oz/a	PRE	A	87 b	90 ab	98 a	
12	CLASSIC	25	WG	0.0237	lb ai/a			PRE	A				
12	EXPRESS	50	SG	0.0071	lb ai/a			PRE	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
13	ENVIVE	41.3	WG			3	oz/a	PRE	A	96 ab	97 a	98 a	
13	CLASSIC	25	WG	0.01714	lb ai/a			PRE	A				
13	HARMONY SG	50	SG	0.00551	lb ai/a			PRE	A				
13	VALOR SX	51	WG	0.05443	lb ai/a			PRE	A				
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
14	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	89 ab	95 a	97 a	
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
15	PURSUIT PLUS	2.9	EC	0.91	lb ai/a	2.5	pt/a	PRE	A	94 ab	94 a	98 a	
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				
16	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	PRE	A	70 c	83 b	72 b	
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	42DAP	B				
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	42DAP	B				

LSD (P=.05)

10.6 8.5 20.8

Preemergence Broadleaf Herbicides in Soybean - 1.

Trial ID: 09-2A-M90

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	07-29-09	08-12-09	08-26-09
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing		1 DA-B	15 DA-B
Trt-Eval Interval	28 DA-A	42 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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Replicate F	4.728	3.918	3.860
Replicate Prob(F)	0.0170	0.0316	0.0322
Treatment F	101.379	151.622	16.399
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: Valent (MD64.04), FMC.
2. Ratings: CI 14 + 28 da PRE; WC 28, 42 + 56 da PRE.
3. Yield not necessary.