

BASF Burndown and Residual in Soybean.

Trial ID: 12-FagerS-BASF-BD

Location: Murphysboro, IL

Investigator: Bryan Young

General Trial Information	
Study Director: Bryan Young	Investigator: Bryan Young Title: Professor
Trial Status: F - one-year/final	Initiation Date: 4-24-12
Trial Location	
City: Murphysboro	State/Prov.: IL
Postal Code: 62966	Country: USA

Objectives: Demonstrate BASF soybean herbicide portfolio effectiveness compared to current commercial standards.
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Personnel	
Study Director: Bryan Young	Investigator: Bryan Young Title: Professor
Affiliation: Southern Illinois University	Address: 1205 Lincoln Drive - AG 176 - MC 4415
Location: Carbondale IL	Postal Code: 62901
Phone No.: 618-453-7679	Mobile No.: 618-713-6471
E-mail: bgyoung@siu.edu	

Crop Description	
Crop 1: GLXMA Glycine max Soybean	Variety: AG3832 Description: RR2Y
BBCH Scale: BSOY	Planting Date: 5-1-12
Planting Method: SEEDED Seeded	Rate, Unit: 155000 S/A
Depth, Unit: 2 IN	
Row Spacing, Unit: 30 IN	

Pest Description	
Pest 1 Type: W Code: ERICA - Conyza canadensis (L.) Crong.	Common Name: horseweed
	Description: glyphosate-resistant marestail
Pest 2 Type: W Code: AMATA - Amaranthus rudis Sauer	Common Name: waterhemp, common
	Description: glyphosate-resistant waterhemp

Site and Design	
Plot Width, Unit: 10 FT	Site Type: FIELD field
Plot Length, Unit: 30 FT	
Plot Area, Unit: 300 FT2	Tillage Type: NOTILL no-till
Replications: 3	Study Design: RACOB L Randomized Complete Block (RCB)

No.	Previous Crop	Year
1.	GLXMA	2011

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

Soil Description	
% OM: 1.87	Texture: SIL SILT LOAM
pH: 5.5	Soil Name: ALVIN
CEC: 7.06	

Additional Measured Elements		
Element	Quantity	Unit
P1	172	LB/A
K	446	LB/A

Moisture and Weather Conditions	
Overall Moisture Conditions: BELNOR below normal	
Closest Weather Station: SOUTHERN IL AIRPORT (93810)	Distance, Unit: 3.5 MI

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Application Description

	A	B
Application Date:	4-24-12	6-5-12
Time of Day:	9:30	8:30
Application Method:	Spray	Spray
Application Timing:	7-10DBP	6-8WA-A
Application Placement:	BROFOL	BROFOL
Applied By:	LAH	RJW
Air Temperature, Unit:	67 F	70 F
% Relative Humidity:	51	60
Wind Velocity, Unit:	4 MPH	4 MPH
Wind Direction:	W	N
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	54 F	71 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	15	0
Next Rain Occurred On:	4-27-12	6-10-12

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V4
Stage Minimum, Percent:		V3
Stage Maximum, Percent:		V4
Height, Unit:		8 IN
Height Minimum, Maximum:		6 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	ERICA W DESC	ERICA W DESC
Stage Majority, Percent:	25	50+
Stage Minimum, Percent:	4	15
Stage Maximum, Percent:	45	50+
Height, Unit:	6 IN	12 IN
Height Minimum, Maximum:	1 10	3 18
Density, Unit:	1 FT2	1 FT2
Pest 2 Code, Type, Scale:	AMATA W DESC	AMATA W DESC
Stage Majority, Percent:	NA	20
Stage Minimum, Percent:		4
Stage Maximum, Percent:		50+
Height, Unit:		6 IN
Height Minimum, Maximum:		1 12
Density, Unit:		1 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Equipment Type:	BACSPR	BACSPR
Operation Pressure, Unit:	30 PSI	30 PSI
Nozzle Type:	XR	XR
Nozzle Size:	8002	8002
Boom Length, Unit:	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA

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Pest Code									GLXMA	GLXMA	GLXMA	
Crop Code									5-11-12	6-5-12	6-26-12	
Rating Date									Injury	Injury	Injury	
Rating Type									Percent	Percent	Percent	
Rating Unit									5 DAE			
Rating Timing									17 DA-A	0 DA-B	21 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	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		0 a	0 a	0 a
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
2	ZIDUA	85	WG	0.106	lb ai/a	2	oz/a	7-10DBP A		0 a	0 a	0 a
	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
3	OPTILL PRO (CO-PACK)							7-10DBP A		0 a	0 a	0 a
	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-10DBP A				
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
4	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A		0 a	0 a	0 a
	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
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5	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A		0 a	0 a	0 a
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		0 a	0 a	0 a
	VALOR XLT	40.3	WG	0.0756	lb ai/a	3	oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		0 a	0 a	0 a
	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		0 a	0 a	0 a
	FIERCE XLT	55.68	WG	0.104	lb ai/a	3	oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				

Means followed by same letter do not significantly differ (P=0.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	GLXMA	GLXMA	GLXMA
Crop Code	5-11-12	6-5-12	6-26-12
Rating Date	Injury	Injury	Injury
Rating Type	Percent	Percent	Percent
Rating Unit	5 DAE	0 DA-B	21 DA-B
Rating Timing	17 DA-A		
Trt-Eval Interval			
Trt No.	Treatment Name	Form Conc	Form Type
		Rate	Rate
		Unit	Unit
		Other Rate	Other Rate
		Growth Unit	Growth Unit
		Stage	Stage
		Appl Code	Appl Code
9	NONTREATED		
		0 a	0 a
		0 a	0 a
		0 a	0 a
LSD (P=.05)	0.0	0.0	0.0
Standard Deviation	0.0	0.0	0.0
CV	0.0	0.0	0.0
Replicate F	0.000	0.000	0.000
Replicate Prob(F)	1.0000	1.0000	1.0000
Treatment F	0.000	0.000	0.000
Treatment Prob(F)	1.0000	1.0000	1.0000

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Trial ID: 12-FagerS-BASF-BD

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Pest Code									ERICA-HR	ERICA-HR	ERICA-HR	
Crop Code									5-15-12	6-5-12	6-26-12	
Rating Date									Control	Control	Control	
Rating Type									Percent	Percent	Percent	
Rating Unit									21 DA-A	42 DA-A	63 DA-A	
Rating Timing									0 DA-B	0 DA-B	21 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	2,4-D LV 4	3.8	EC	0.475 lb ae/a	16 fl oz/a			7-10DBP A		92 b	94 a	91 ab
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
2	ZIDUA	85	WG	0.106 lb ai/a	2 oz/a			7-10DBP A		97 a	96 a	96 a
	VERDICT	5.57	EC	0.218 lb ai/a	5 fl oz/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1 % v/v	1 % v/v			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
3	OPTILL PRO (CO-PACK)							7-10DBP A		96 a	95 a	95 a
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a			7-10DBP A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1 % v/v	1 % v/v			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
4	VERDICT	5.57	EC	0.218 lb ai/a	5 fl oz/a			7-10DBP A		97 a	96 a	95 a
	PROWL H2O	3.8	CS	1.19 lb ai/a	2.5 pt/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1 % v/v	1 % v/v			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
5	VERDICT	5.57	EC	0.218 lb ai/a	5 fl oz/a			7-10DBP A		97 a	96 a	95 a
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1 % v/v	1 % v/v			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
6	2,4-D LV 4	3.8	EC	0.475 lb ae/a	16 fl oz/a			7-10DBP A		90 c	84 b	84 c
	VALOR XLT	40.3	WG	0.0756 lb ai/a	3 oz/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
7	2,4-D LV 4	3.8	EC	0.475 lb ae/a	16 fl oz/a			7-10DBP A		88 c	85 b	86 bc
	PREFIX	5.29	EC	1.32 lb ai/a	2 pt/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				
8	2,4-D LV 4	3.8	EC	0.475 lb ae/a	16 fl oz/a			7-10DBP A		89 c	88 b	88 bc
	FIERCE XLT	55.68	WG	0.104 lb ai/a	3 oz/a			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			7-10DBP A				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a			6-8WA-A B				
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			6-8WA-A B				

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								ERICA-HR	ERICA-HR	ERICA-HR		
Pest Code								5-15-12	6-5-12	6-26-12		
Crop Code								Control	Control	Control		
Rating Date								Percent	Percent	Percent		
Rating Type								42 DA-A	63 DA-A	63 DA-A		
Rating Unit								0 DA-B	0 DA-B	21 DA-B		
Rating Timing												
Trt-Eval Interval								21 DA-A	0 DA-B	21 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code			
9	NONTREATED									0 d	0 c	0 d
LSD (P=.05)								1.9	5.5	5.8		
Standard Deviation								1.1	3.2	3.4		
CV								1.29	3.88	4.15		
Replicate F								1.253	0.492	0.712		
Replicate Prob(F)								0.3122	0.6203	0.5055		
Treatment F								2554.771	287.593	250.733		
Treatment Prob(F)								0.0001	0.0001	0.0001		

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Crop Code									5-15-12	6-5-12	6-26-12	
Rating Date									Control	Control	Control	
Rating Type									Percent	Percent	Percent	
Rating Unit									42 DA-A	63 DA-A	63 DA-A	
Rating Timing									21 DA-A	0 DA-B	21 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	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		31 b	0 e	63 de
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
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2	ZIDUA	85	WG	0.106	lb ai/a	2	oz/a	7-10DBP A		98 a	92 a	92 a
	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
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3	OPTILL PRO (CO-PACK)							7-10DBP A		95 a	79 b	81 bc
	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-10DBP A				
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	7-10DBP A				
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	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
4	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A		95 a	70 c	73 cd
	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
5	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	7-10DBP A		97 a	55 d	62 e
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		96 a	88 a	88 ab
	VALOR XLT	40.3	WG	0.0756	lb ai/a	3	oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		95 a	78 bc	82 abc
	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-10DBP A		95 a	91 a	91 ab
	FIERCE XLT	55.68	WG	0.104	lb ai/a	3	oz/a	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-10DBP A				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7-10DBP A				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8WA-A B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8WA-A B				

Southern Illinois University

BASF Burndown and Residual in Soybean.

Trial ID: 12-FagerS-BASF-BD

Location: Murphysboro, IL

Investigator: Bryan Young

								AMATA-HR	AMATA-HR	AMATA-HR
Pest Code								5-15-12	6-5-12	6-26-12
Crop Code								Control	Control	Control
Rating Date								Percent	Percent	Percent
Rating Type								42 DA-A	63 DA-A	21 DA-B
Rating Unit								21 DA-A	0 DA-B	
Rating Timing										
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code	
9	NONTREATED									0 b
										0 e
										0 f
LSD (P=,05)								32.8	7.9	11.1
Standard Deviation								19.0	4.5	6.4
CV								24.25	7.39	9.13
Replicate F								0.460	0.293	1.999
Replicate Prob(F)								0.6395	0.7501	0.1679
Treatment F								11.048	196.182	59.610
Treatment Prob(F)								0.0001	0.0001	0.0001

BASF Burndown and Residual in Soybean.

Trial ID: 12-FagerS-BASF-BD

Location: Murphysboro, IL

Investigator: Bryan Young

Trial Comments

1. Protocol: BASF.
2. Ratings: CI 5-7 DAE. WC 21-28 DA-A and at 0 and 21-28 DA-B.
3. Application A timing should be 8 inch or less marestail.
4. ERICA-HR = Herbicide-resistant marestail (glyphosate).
AMATA-HR = Herbicide-resistant waterhemp (glyphosate).
5. Not harvested.