

FBS 1039 and FBS 1032 Soybean Burndown Study.

Trial ID: 09-22-MS40

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: 05-29-09

Objectives: Evaluate FBS 1039 and FBS 1032 treatments for efficacy, yield and quality
 on Roundup Ready soybean for burndown applications.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDED Planting Date: 06-24-09
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 26 FT Tillage Type: NO-TILL
 Replications: 4 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2008

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

% OM: 2.1 Texture: SILT LOAM
 pH: 6.5 Soil Name: CASEYVILLE
 CEC: 10 Fert. Level: P1: 99 LB/A, K: 493 LB/A

	Application Description					
	A		B		C	
Application Date:	05-29-09	07-21-09	08-05-09			
Time of Day:	12:00	11:00	10:15			
Application Method:	Spray	Spray	Spray			
Application Timing:	7DBP	V3	2-3WAB			
Application Placement:	BROFOL	BROFOL	BROFOL			
Applied By:	NVH	NVH	DKP			
Air Temperature, Unit:	74 F	74 F	80 F			
% Relative Humidity:	76	90	92			
Wind Velocity, Unit:	4 MPH	6 MPH	3 MPH			
Wind Direction:	NW	SE	E			
Dew Presence (Y/N):	N	N	N			
Soil Moisture:	ABONOR	NORMAL	NORMAL			
% Cloud Cover:	5	80	70			

	05-29-09	07-21-09	08-05-09
Crop stage at application:	NA	V4	R2
Height Min, Max (inch):		6 8	24 30

	05-29-09	07-21-09	08-05-09
Pest Stage At Each Application			
Application Date:	05-29-09	07-21-09	08-05-09
Weed Code:	NA	NA	NA

	Application Equipment					
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer			
Operating Pressure:	30 PSI	30 PSI	30 PSI			
Nozzle Type:	Flat fan	Flat fan	Flat fan			
Nozzle Size:	XR 8002	XR 8002	XR 8002			
Boom Length, Unit:	10 FT	10 FT	10 FT			
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA			

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GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
11-03-09	11-03-09	12-16-09	12-16-09	11-03-09
Moisture	Test wt.	Protein	Oil	Yield
Percent	lb/bu	Percent	Percent	bu/A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A	12.5 a	56.3 a	39.2 c	19.5 a	48 ab
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
2	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a		7DBP	A	12.5 a	56.1 a	39.9 ab	19.5 a	48 ab
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
3	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a		7DBP	A	12.5 a	56.3 a	40.3 a	19.2 a	48 ab
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A	12.4 ab	56.3 a	39.7 bc	19.3 a	50 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
4	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a		2-3WAB	C					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
5	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a		7DBP	A	12.2 c	56.1 a	40.1 ab	19.5 a	48 ab
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
5	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a		2-3WAB	C					
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
6	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a		7DBP	A	12.3 bc	56.2 a	39.8 abc	19.3 a	46 b
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		7DBP	A					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		7DBP	A					
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V3	B					
6	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a		2-3WAB	C					
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		2-3WAB	C					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		2-3WAB	C					
LSD (P=.05)									0.14	0.34	0.58	0.45	2.6
Replicate F									16.124	0.172	0.290	5.992	6.602
Replicate Prob(F)									0.0001	0.9133	0.8316	0.0068	0.0046
Treatment F									6.247	0.449	3.691	0.790	1.900
Treatment Prob(F)									0.0025	0.8075	0.0223	0.5728	0.1541

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

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GLXMA 08-11-09 GrowthStage R	GLXMA 08-19-09 GrowthStage R	GLXMA 08-26-09 GrowthStage R	GLXMA 09-01-09 GrowthStage R
21 DA-B	14 DA-C	21 DA-C	42 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
2	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
3	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
4	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C					
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
5	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
5	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C					
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
6	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a	7DBP	A		2.0 a	3.0 a	4.0 a	5.0 a
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A					
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B					
6	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C					
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C					
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C					
LSD (P=.05)									0.00	0.00	0.00	0.00
Replicate F									0.000	0.000	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000
Treatment F									0.000	0.000	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000

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

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GLXMA	GLXMA	GLXMA
08-11-09	08-19-09	08-26-09
Vigor	Vigor	Vigor
0-9	0-9	0-9
21 DA-B	14 DA-C	21 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A		7.5 a	7.8 a	8.0 a
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
1	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
2	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a	7DBP	A		7.0 a	7.5 a	8.0 a
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A				
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
2	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
3	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a	7DBP	A		7.0 a	7.5 a	8.0 a
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
3	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A		7.5 a	7.5 a	8.3 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
4	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C				
4	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
5	FBS 1039	100	SL	8 fl oz/a	8 fl oz/a	7DBP	A		7.0 a	7.8 a	8.3 a
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
5	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C				
5	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
6	FBS 1039	100	SL	12 fl oz/a	12 fl oz/a	7DBP	A		7.3 a	7.8 a	8.0 a
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	7DBP	A				
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	7DBP	A				
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	V3	B				
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V3	B				
6	FBS 1032	100	SL	32 fl oz/a	32 fl oz/a	2-3WAB	C				
6	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	2-3WAB	C				
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	2-3WAB	C				
LSD (P=.05)									1.27	0.85	0.87
Replicate F									1.000	2.565	0.500
Replicate Prob(F)									0.4199	0.0934	0.6879
Treatment F									0.341	0.235	0.200
Treatment Prob(F)									0.8800	0.9411	0.9575

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Pest Code										GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code										08-11-09	08-11-09	08-19-09	08-19-09	08-26-09	08-26-09	11-03-09	11-03-09
Rating Date										Height	Height	Height	Height	Height	Height	Height	Height
Rating Data Type										cm	cm	cm	cm	cm	cm	cm	cm
Rating Unit										5 Plants	Overall	5 Plants	Overall	5 Plants	Overall	5 Plants	Overall
Rating Timing										21 DA-B	21 DA-B	14 DA-C	14 DA-C	21 DA-C	21 DA-C	EOS	EOS
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	57 a	57 a	82 a	83 a	94 a	93 a	94 a	93 a
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
2	FBS 1039	100	SL	8	fl oz/a	8	fl oz/a	7DBP	A	56 a	56 a	80 a	80 a	92 a	91 a	93 abc	92 ab
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A								
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
3	FBS 1039	100	SL	12	fl oz/a	12	fl oz/a	7DBP	A	56 a	55 a	81 a	82 a	92 a	89 a	92 abc	93 ab
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A								
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	56 a	56 a	81 a	82 a	92 a	90 a	93 ab	93 a
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
4	FBS 1032	100	SL	32	fl oz/a	32	fl oz/a	2-3WAB	C								
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
5	FBS 1039	100	SL	8	fl oz/a	8	fl oz/a	7DBP	A	55 a	56 a	83 a	83 a	91 a	90 a	91 bc	92 ab
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A								
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
5	FBS 1032	100	SL	32	fl oz/a	32	fl oz/a	2-3WAB	C								
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
6	FBS 1039	100	SL	12	fl oz/a	12	fl oz/a	7DBP	A	56 a	56 a	83 a	83 a	91 a	91 a	90 c	90 b
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A								
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A								
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B								
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3	B								
6	FBS 1032	100	SL	32	fl oz/a	32	fl oz/a	2-3WAB	C								
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-3WAB	C								
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	2-3WAB	C								
LSD (P=.05)										3.7	3.7	4.8	4.9	3.4	4.7	3.0	2.5
Replicate F										5.976	7.345	1.498	1.038	24.452	4.288	8.968	12.805
Replicate Prob(F)										0.0069	0.0030	0.2554	0.4043	0.0001	0.0283	0.0012	0.0002
Treatment F										0.358	0.339	0.605	0.587	0.768	0.661	2.285	1.561
Treatment Prob(F)										0.8694	0.8811	0.6975	0.7103	0.5872	0.6597	0.0987	0.2306

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

Trial Comments

1. Protocol: Floratine BioSciences.
2. Ratings: Soybean growth stage at B + C applications and every 21 da each B + C timing.
Vigor and plant height at 21 da B + C and at harvest.
3. Yield, seed oil and protein content, and test weight.
4. Application C is 2-3 weeks after V3 application B, or R1 growth stage.
5. GrowthStage R = Soybean reproductive growth stage.
Soybean height; 5 Plants is average height of 5 random plants per plot, Overall is looking across the top of the plants.
Soybean vigor scale is 0-9, 0 = dead, 9 = very vigorous.
EOS = End of season.
6. Harvested 11-3-09, (2) 30 inch rows by 23 ft.