

## General Fungicide Evaluation.

Project Code: 05-BP-GenFung Location: Brookport, IL  
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Brookport IL 62910 USA  
Trial Status: Final Updated: 11-01-05

**Objective:**

Evaluate various fungicide programs for soybean.

Crop 1: GLXMA soybean Variety: P94M70 RR  
Planting Method: Seeded Planting Date: 5-23-05  
Rate: 75 lb/A Depth: 1.0 IN  
Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 4  
Tillage Type: Reduced-Till Study Design: Randomized complete block  
Previous Crop, Year: GLXMA, 2004

**APPLICATION DESCRIPTION**

	A	B	C	D	E
Application Date:	07-07-05	07-28-05	07-28-05	08-12-05	
Time of Day:	15:30	11:30	11:30	11:30	
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	V7	R2-R3	R3	21DA-R2-R3	IF-NEEDED
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	96 F	82 F	82 F	90 F	
% Relative Humidity:	29	57	57	67	
Wind Velocity, Unit:	3 MPH	2 MPH	2 MPH	3 MPH	
Soil Moisture:	NORMAL	NORMAL	NORMAL	ABONOR	

**CROP STAGE AT EACH APPLICATION**

	A	B	C	D	E
Crop 1 Code, Stage:	GLXMA V7	GLXMA R3	GLXMA R3	GLXMA R5	GLXMA
Height, Unit:	10-12 IN	30 IN	30 IN	38 IN	

**APPLICATION EQUIPMENT**

	A	B	C	D	E
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI	40 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:	20 GPA	20 GPA	20 GPA	20 GPA	20 GPA

**NOTES:**

General Fungicide Evaluation.

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Weed Code		Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA				
Rating Data Type		Rating Unit		Moisture	Test wt.	Seed wt.	Yield	Injury	Injury	Injury	Injury					
Rating Date		Trt-Eval Interval		Percent	lb/bu	g/1000	bu/A	Percent	Percent	Percent	Percent					
				10-13-05	10-13-05	10-13-05	10-13-05	7 DAT	14 DAT	21 DAT	28 DAT					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	NONTREATED								14.0	53.4	143	50	0	0	0	0
2	ECHO 720	6 L		0.94 lb ai/a	20 fl oz/a	V7		A	13.8	52.9	145	52	0	0	0	0
2	ECHO 720	6 L		0.94 lb ai/a	20 fl oz/a	R3		C								
3	ECHO 720	6 L		0.94 lb ai/a	20 fl oz/a	V7		A	14.1	53.3	152	52	0	0	0	0
3	FOLICUR	3.6 F		0.112 lb ai/a	4 fl oz/a	V7		A								
3	ECHO 720	6 L		0.94 lb ai/a	20 fl oz/a	R3		C								
3	FOLICUR	3.6 F		0.112 lb ai/a	4 fl oz/a	R3		C								
4	DOMARK	1.9 ME		0.074 lb ai/a	5 fl oz/a	R3		C	14.1	53.1	146	53	0	0	0	0
4	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	R3		C								
5	ALTO	3.34 SC		0.027 lb ai/a	1.03 fl oz/a	R2-R3		B	13.8	52.9	142	51	0	0	0	0
5	ALTO	3.34 SC		0.027 lb ai/a	1.03 fl oz/a	21DA-R2-R3		D								
6	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a	4 fl oz/a	R2-R3		B	13.5	52.7	149	54	0	0	0	0
6	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a	4 fl oz/a	21DA-R2-R3		D								
7	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a	4 fl oz/a	R2-R3		B	13.8	53.0	153	50	0	0	0	0
7	PRIME OIL COC	100 LIQ		1.0 % v/v	1 % v/v	R2-R3		B								
7	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a	4 fl oz/a	21DA-R2-R3		D								
7	PRIME OIL COC	100 LIQ		1.0 % v/v	1 % v/v	21DA-R2-R3		D								
8	QUILT	1.67 F		0.183 lb ai/a	14 fl oz/a	R2-R3		B	13.9	52.6	150	50	0	0	0	0
8	PRIME OIL COC	100 LIQ		1.0 % v/v	1 % v/v	R2-R3		B								
8	QUILT	1.67 F		0.183 lb ai/a	14 fl oz/a	21DA-R2-R3		D								
8	PRIME OIL COC	100 LIQ		1.0 % v/v	1 % v/v	21DA-R2-R3		D								
9	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a	3 fl oz/a	R2-R3		B	13.8	53.2	143	50	0	0	0	0
9	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a	3 fl oz/a	21DA-R2-R3		D								
10	HEADLINE	2.09 EC		0.072 lb ai/a	4.4 fl oz/a	IF-NEEDED		E								
10	CARAMBA	90 SL		5.4 lb ai/a	7.7 fl oz/a	IF-NEEDED		E								
10	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	IF-NEEDED		E								
10	SEE COMMENT #6															
11	HEADLINE	2.09 EC		0.098 lb ai/a	6 fl oz/a	R2-R3		B	13.9	53.1	154	57	0	0	0	0
11	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	R2-R3		B								
11	HEADLINE	2.09 EC		0.072 lb ai/a	4.4 fl oz/a	IF-NEEDED		E								
11	CARAMBA	90 SL		5.4 lb ai/a	7.7 fl oz/a	IF-NEEDED		E								
11	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	IF-NEEDED		E								
11	SEE COMMENT #6															
12	HEADLINE	2.09 EC		0.072 lb ai/a	4.4 fl oz/a	R2-R3		B	14.1	52.6	153	56	0	0	0	0
12	CARAMBA	90 SL		5.4 lb ai/a	7.7 fl oz/a	R2-R3		B								
12	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	R2-R3		B								
12	HEADLINE	2.09 EC		0.072 lb ai/a	4.4 fl oz/a	IF-NEEDED		E								
12	CARAMBA	90 SL		5.4 lb ai/a	7.7 fl oz/a	IF-NEEDED		E								
12	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	IF-NEEDED		E								
12	SEE COMMENT #6															
13	HEADLINE	2.09 EC		0.059 lb ai/a	3.6 fl oz/a	R2-R3		B	13.7	52.5	152	57	0	2	0	0
13	CARAMBA	90 SL		4.3 lb ai/a	6.1 fl oz/a	R2-R3		B								
13	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	R2-R3		B								
13	HEADLINE	2.09 EC		0.059 lb ai/a	3.6 fl oz/a	IF-NEEDED		E								
13	CARAMBA	90 SL		4.3 lb ai/a	6.1 fl oz/a	IF-NEEDED		E								
13	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	IF-NEEDED		E								
13	SEE COMMENT #6															
14	HEADLINE	2.09 EC		0.077 lb ai/a	4.71 fl oz/a	R2-R3		B	13.7	52.8	157	57	0	0	0	0
14	FOLICUR	3.6 F		0.089 lb ai/a	3.16 fl oz/a	R2-R3		B								
14	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	R2-R3		B								
14	HEADLINE	2.09 EC		0.077 lb ai/a	4.71 fl oz/a	IF-NEEDED		E								
14	FOLICUR	3.6 F		0.089 lb ai/a	3.16 fl oz/a	IF-NEEDED		E								
14	ACTIVATOR 90	100 LIQ		0.125 % v/v	0.125 % v/v	IF-NEEDED		E								
14	SEE COMMENT #6															

General Fungicide Evaluation.

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Weed Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Crop Code									Moisture	Test wt.	Seed wt.	Yield	Injury	Injury	Injury	Injury	
Rating Data Type									Percent	lb/bu	g/1000	bu/A	Percent	Percent	Percent	Percent	
Rating Unit									10-13-05	10-13-05	10-13-05	10-13-05					
Rating Date													7 DAT	14 DAT	21 DAT	28 DAT	
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
15	HEADLINE	2.09	EC	0.059	lb ai/a	3.6	fl oz/a	R2-R3	B	13.6	52.7	156	59	0	0	0	0
15	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B								
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
15	HEADLINE	2.09	EC	0.059	lb ai/a	3.6	fl oz/a	IF-NEEDED	E								
15	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
15	SEE COMMENT #6																
16	STRATEGO	2.08	EC	0.114	lb ai/a	7	fl oz/a	R2-R3	B	13.5	52.5	155	56	0	0	0	0
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
16	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
16	SEE COMMENT #6																
17	GEM	25	WG	0.045	lb ai/a	2.88	oz/a	R2-R3	B								
17	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B								
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
17	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
17	SEE COMMENT #6																
18	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B	13.7	52.9	146	51	0	1	0	0
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
18	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
18	SEE COMMENT #6																
19	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R2-R3	B	13.8	52.4	149	52	0	0	0	0
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
19	TILT	3.6	F	0.112	lb ai/a	4	fl oz/a	IF-NEEDED	E								
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
19	SEE COMMENT #6																
20	DOMARK	1.9	ME	0.074	lb ai/a	5	fl oz/a	R2-R3	B	13.8	53.3	146	51	0	0	0	0
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B								
20	DOMARK	1.9	ME	0.074	lb ai/a	5	fl oz/a	IF-NEEDED	E								
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E								
20	SEE COMMENT #6																
LSD (P=.05)										0.53	0.77	6.4	4.9	0.0	0.9	0.0	0.0
Replicate F										0.572	3.107	5.716	16.539	0.000	0.878	0.000	0.000
Replicate Prob(F)										0.6359	0.0344	0.0019	0.0001	1.0000	0.4588	1.0000	1.0000
Treatment F										0.922	1.164	4.393	3.197	0.000	1.337	0.000	0.000
Treatment Prob(F)										0.5538	0.3261	0.0001	0.0008	1.0000	0.2089	1.0000	1.0000

General Fungicide Evaluation.

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Weed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval

GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA  
Injury Injury Injury Injury FROEYE FROEYE FROEYE FROEYE  
Percent Percent Percent Percent % Incid Sever0-9 % Incid Sever0-9  
08-19-05 08-26-05 09-02-05 09-09-05 21 DAT 21 DAT 28 DA-D 28 DA-D  
7 DA-D 14 DA-D 21 DA-D 28 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Injury Percent 08-19-05 7 DA-D	GLXMA Injury Percent 08-26-05 14 DA-D	GLXMA Injury Percent 09-02-05 21 DA-D	GLXMA Injury Percent 09-09-05 28 DA-D	FROEYE % Incid 21 DAT	FROEYE Sever0-9 21 DAT	FROEYE % Incid 28 DA-D	FROEYE Sever0-9 28 DA-D
1	NONTREATED									0	0	0	0	4	0.8	100	4.5
2	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	V7	A						4	0.8	100	2.0
	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	R3	C									
3	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	V7	A						1	0.3	100	1.5
	FOLICUR	3.6 F		0.112 lb ai/a		4 fl oz/a	V7	A									
	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	R3	C									
	FOLICUR	3.6 F		0.112 lb ai/a		4 fl oz/a	R3	C									
4	DOMARK	1.9 ME		0.074 lb ai/a		5 fl oz/a	R3	C						4	0.8	100	3.0
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R3	C									
5	ALTO	3.34 SC		0.027 lb ai/a		1.03 fl oz/a	R2-R3	B		0	0	0	0	0	0.0	100	3.0
	ALTO	3.34 SC		0.027 lb ai/a		1.03 fl oz/a	21DA-R2-R3	D									
6	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	R2-R3	B		0	0	0	0	0	0.0	100	1.3
	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	21DA-R2-R3	D									
7	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	R2-R3	B		0	0	0	0	0	0.0	100	1.3
	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	R2-R3	B									
	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	21DA-R2-R3	D									
	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	21DA-R2-R3	D									
8	QUILT	1.67 F		0.183 lb ai/a		14 fl oz/a	R2-R3	B		0	0	0	0	1	0.3	100	1.8
	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	R2-R3	B									
	QUILT	1.67 F		0.183 lb ai/a		14 fl oz/a	21DA-R2-R3	D									
	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	21DA-R2-R3	D									
9	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a		3 fl oz/a	R2-R3	B		0	0	0	0	0	0.0	100	2.8
	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a		3 fl oz/a	21DA-R2-R3	D									
10	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E									
	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E									
	SEE COMMENT #6																
11	HEADLINE	2.09 EC		0.098 lb ai/a		6 fl oz/a	R2-R3	B						6	0.8	100	1.0
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B									
	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E									
	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E									
	SEE COMMENT #6																
12	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	R2-R3	B						1	0.3	100	0.5
	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	R2-R3	B									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B									
	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E									
	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E									
	SEE COMMENT #6																
13	HEADLINE	2.09 EC		0.059 lb ai/a		3.6 fl oz/a	R2-R3	B						4	0.5	100	2.3
	CARAMBA	90 SL		4.3 lb ai/a		6.1 fl oz/a	R2-R3	B									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B									
	HEADLINE	2.09 EC		0.059 lb ai/a		3.6 fl oz/a	IF-NEEDED	E									
	CARAMBA	90 SL		4.3 lb ai/a		6.1 fl oz/a	IF-NEEDED	E									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E									
	SEE COMMENT #6																
14	HEADLINE	2.09 EC		0.077 lb ai/a		4.71 fl oz/a	R2-R3	B						1	0.3	100	2.3
	FOLICUR	3.6 F		0.089 lb ai/a		3.16 fl oz/a	R2-R3	B									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B									
	HEADLINE	2.09 EC		0.077 lb ai/a		4.71 fl oz/a	IF-NEEDED	E									
	FOLICUR	3.6 F		0.089 lb ai/a		3.16 fl oz/a	IF-NEEDED	E									
	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E									
	SEE COMMENT #6																

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Weed Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code	Injury	Injury	Injury	Injury	FROEYE	FROEYE	FROEYE	FROEYE	FROEYE
Rating Data Type	Percent	Percent	Percent	Percent	% Incid	Sever0-9	% Incid	Sever0-9	Sever0-9
Rating Unit	08-19-05	08-26-05	09-02-05	09-09-05	21 DAT	21 DAT	28 DA-D	28 DA-D	28 DA-D
Rating Date	7 DA-D	14 DA-D	21 DA-D	28 DA-D					
Trt-Eval Interval									

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Rate	Prod Unit	Grow Stg	Appl Code								
15	HEADLINE	2.09	EC	0.059 lb ai/a	3.6	fl oz/a	R2-R3	B		1	0.3	100	2.5			
15	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	R2-R3	B								
15	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
15	HEADLINE	2.09	EC	0.059 lb ai/a	3.6	fl oz/a	IF-NEEDED	E								
15	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
15	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
15	SEE COMMENT #6															
16	STRATEGO	2.08	EC	0.114 lb ai/a	7	fl oz/a	R2-R3	B		0	0.0	100	3.3			
16	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
16	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
16	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
16	SEE COMMENT #6															
17	GEM	25	WG	0.045 lb ai/a	2.88	oz/a	R2-R3	B								
17	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	R2-R3	B								
17	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
17	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
17	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
17	SEE COMMENT #6															
18	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	R2-R3	B		0	0.0	100	3.3			
18	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
18	FOLICUR	3.6	F	0.089 lb ai/a	3.16	fl oz/a	IF-NEEDED	E								
18	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
18	SEE COMMENT #6															
19	QUILT	1.67	F	0.183 lb ai/a	14	fl oz/a	R2-R3	B		0	0.0	100	1.5			
19	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
19	TILT	3.6	F	0.112 lb ai/a	4	fl oz/a	IF-NEEDED	E								
19	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
19	SEE COMMENT #6															
20	DOMARK	1.9	ME	0.074 lb ai/a	5	fl oz/a	R2-R3	B		3	0.3	100	2.5			
20	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	R2-R3	B								
20	DOMARK	1.9	ME	0.074 lb ai/a	5	fl oz/a	IF-NEEDED	E								
20	ACTIVATOR 90	100	LIQ	0.125 % v/v	0.125	% v/v	IF-NEEDED	E								
20	SEE COMMENT #6															
LSD (P=.05)									0.0	0.0	0.0	0.0	4.1	0.64	0.0	1.40
Replicate F									0.000	0.000	0.000	0.000	0.353	0.546	0.000	2.082
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	0.7872	0.6528	1.0000	0.1141
Treatment F									0.000	0.000	0.000	0.000	1.720	1.720	0.000	3.996
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0701	0.0701	1.0000	0.0001

General Fungicide Evaluation.

Project Code: 05-BP-GenFung Location: Brookport, IL  
 Investigator: Bryan Young

Weed Code	GLXMA	GLXMA	GLXMA
Crop Code	BROSPO	BROSPO	DEFOLI
Rating Data Type	% Incid	Sever0-5	Percent
Rating Unit	09-09-05	09-09-05	09-22-05
Rating Date	28 DA-D	28 DA-D	41 DA-D
Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NONTREATED									100	4.3	94
2	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	V7	A		100	4.0	84
2	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	R3	C				
3	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	V7	A		100	3.0	80
3	FOLICUR	3.6 F		0.112 lb ai/a		4 fl oz/a	V7	A				
3	ECHO 720	6 L		0.94 lb ai/a		20 fl oz/a	R3	C				
3	FOLICUR	3.6 F		0.112 lb ai/a		4 fl oz/a	R3	C				
4	DOMARK	1.9 ME		0.074 lb ai/a		5 fl oz/a	R3	C		100	3.8	78
4	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R3	C				
5	ALTO	3.34 SC		0.027 lb ai/a		1.03 fl oz/a	R2-R3	B		100	3.0	86
5	ALTO	3.34 SC		0.027 lb ai/a		1.03 fl oz/a	21DA-R2-R3	D				
6	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	R2-R3	B		100	2.3	74
6	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	21DA-R2-R3	D				
7	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	R2-R3	B		100	1.8	68
7	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	R2-R3	B				
7	QUADRIS EXTRA	2.34 SC		0.073 lb ai/a		4 fl oz/a	21DA-R2-R3	D				
7	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	21DA-R2-R3	D				
8	QUILT	1.67 F		0.183 lb ai/a		14 fl oz/a	R2-R3	B		100	2.8	64
8	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	R2-R3	B				
8	QUILT	1.67 F		0.183 lb ai/a		14 fl oz/a	21DA-R2-R3	D				
8	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v	21DA-R2-R3	D				
9	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a		3 fl oz/a	R2-R3	B		100	3.3	91
9	TEBUCONAZOLE	3.6 FL		0.084 lb ai/a		3 fl oz/a	21DA-R2-R3	D				
10	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E				
10	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E				
10	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E				
10	SEE COMMENT #6											
11	HEADLINE	2.09 EC		0.098 lb ai/a		6 fl oz/a	R2-R3	B		100	1.5	64
11	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B				
11	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E				
11	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E				
11	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E				
11	SEE COMMENT #6											
12	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	R2-R3	B		100	1.0	55
12	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	R2-R3	B				
12	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B				
12	HEADLINE	2.09 EC		0.072 lb ai/a		4.4 fl oz/a	IF-NEEDED	E				
12	CARAMBA	90 SL		5.4 lb ai/a		7.7 fl oz/a	IF-NEEDED	E				
12	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E				
12	SEE COMMENT #6											
13	HEADLINE	2.09 EC		0.059 lb ai/a		3.6 fl oz/a	R2-R3	B		100	1.8	61
13	CARAMBA	90 SL		4.3 lb ai/a		6.1 fl oz/a	R2-R3	B				
13	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B				
13	HEADLINE	2.09 EC		0.059 lb ai/a		3.6 fl oz/a	IF-NEEDED	E				
13	CARAMBA	90 SL		4.3 lb ai/a		6.1 fl oz/a	IF-NEEDED	E				
13	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E				
13	SEE COMMENT #6											
14	HEADLINE	2.09 EC		0.077 lb ai/a		4.71 fl oz/a	R2-R3	B		100	1.5	59
14	FOLICUR	3.6 F		0.089 lb ai/a		3.16 fl oz/a	R2-R3	B				
14	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	R2-R3	B				
14	HEADLINE	2.09 EC		0.077 lb ai/a		4.71 fl oz/a	IF-NEEDED	E				
14	FOLICUR	3.6 F		0.089 lb ai/a		3.16 fl oz/a	IF-NEEDED	E				
14	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v	IF-NEEDED	E				
14	SEE COMMENT #6											

General Fungicide Evaluation.

Project Code: 05-BP-GenFung Location: Brookport, IL  
 Investigator: Bryan Young

Weed Code	GLXMA	GLXMA	GLXMA
Crop Code	BROSPO	BROSPO	DEFOLI
Rating Data Type	% Incid	Sever0-5	Percent
Rating Unit	09-09-05	09-09-05	09-22-05
Rating Date	28 DA-D	28 DA-D	41 DA-D
Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
15	HEADLINE	2.09	EC	0.059	lb ai/a	3.6	fl oz/a	R2-R3	B	100	1.8	59
15	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B			
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
15	HEADLINE	2.09	EC	0.059	lb ai/a	3.6	fl oz/a	IF-NEEDED	E			
15	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E			
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
15	SEE COMMENT #6											
16	STRATEGO	2.08	EC	0.114	lb ai/a	7	fl oz/a	R2-R3	B	100	3.3	68
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
16	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E			
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
16	SEE COMMENT #6											
17	GEM	25	WG	0.045	lb ai/a	2.88	oz/a	R2-R3	B			
17	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B			
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
17	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E			
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
17	SEE COMMENT #6											
18	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	R2-R3	B	100	3.8	87
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
18	FOLICUR	3.6	F	0.089	lb ai/a	3.16	fl oz/a	IF-NEEDED	E			
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
18	SEE COMMENT #6											
19	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R2-R3	B	100	2.5	81
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
19	TILT	3.6	F	0.112	lb ai/a	4	fl oz/a	IF-NEEDED	E			
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
19	SEE COMMENT #6											
20	DOMARK	1.9	ME	0.074	lb ai/a	5	fl oz/a	R2-R3	B	100	3.3	85
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R2-R3	B			
20	DOMARK	1.9	ME	0.074	lb ai/a	5	fl oz/a	IF-NEEDED	E			
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	IF-NEEDED	E			
20	SEE COMMENT #6											
LSD (P=0.05)										0.0	1.24	11.8
Replicate F										0.000	0.784	2.516
Replicate Prob(F)										1.0000	0.5081	0.0686
Treatment F										0.000	4.900	8.683
Treatment Prob(F)										1.0000	0.0001	0.0001

Trial Comments

1. Protocol: Sipcam, Valent, Syngenta, Cheminova, BASF, Bayer.
2. Ratings: CI 7 DAT; CI, disease incidence and severity 14, 21, and 28 DAT.
3. Percent defoliation when nontreated check reaches 80% defoliation.
4. Record rust incidence and severity at initial application.
5. Send infected leaf samples to Syngenta.
6. Application "E" (IF-NEEDED) = if conditions are conducive for rust.  
 Application "E" (IF-NEEDED) was not applied, not needed.  
 Application "B" (R2-R3) and "C" (R3) were applied the same day.  
 GEM 25 WG was not available for use at the application date, not applied.
7. Blanket preemergence application of Dual II + Firstrate at 1.67 pt/A + 0.6 oz/A, followed by a postemergence application of Roundup Weathermax at 22 oz/A, plus handweeding as needed.
8. DAT = Days after treatment (for V7, R2-R3 and R3 applications). DA-D = Days after 21DA-R2-R3 application.
9. Rating dates (for V7, R2-R3 and R3 applications):  
 Ratings at 7 days after V7, R2-R3 and R3 applications were on 7-14-05, 8-4-05, and 8-4-05, respectively.  
 Ratings at 14 days after V7, R2-R3 and R3 applications were on 7-21-05, 8-11-05, and 8-11-05, respectively.  
 Ratings at 21 days after V7, R2-R3 and R3 applications were on 7-28-05, 8-18-05, and 8-18-05, respectively.  
 Ratings at 28 days after V7, R2-R3 and R3 applications were on 8-4-05, 8-25-05, and 8-25-05, respectively.  
 FROEYE = Frog eye leafspot. BROSPO = Septoria brown spot. DEFOLI = Soybean defoliation.  
 % Incid = Percent incidence. Sever0-5 and Sever0-9 = Severity, rating scales of 0-5 and 0-9, respectively.
10. Harvested 10-13-05, (2) 30 inch rows by 24 ft.