

Interaction of Soybean Fungicides and Insecticides with Glyphosate.

Project Code: 05-BP-Glyph-Int 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:** 11-03-05

Objective:

Determine any interaction of glyphosate with soybean fungicides and insecticides efficacy or crop response.

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
Application Date:	07-10-05	07-21-05
Time of Day:	16:00	10:30
Application Method:	Spray	Spray
Application Timing:	R1	R3
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	91 F	89 F
% Relative Humidity:	48	78
Wind Velocity, Unit:	4-8 MPH	6-7 MPH
Soil Moisture:	NORMAL	ABONOR

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA R1	GLXMA R3
Height, Unit:	14-15 IN	22-24 IN

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30-40 PSI	30-40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

NOTES:

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Weed Code
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 Rating Data Type
 Rating Unit
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 Trt-Eval Interval

GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA
 Moisture Test wt. Yield Injury Injury Injury Injury
 Percent lb/bu bu/A Percent Percent Percent Percent
 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	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Moisture Percent	GLXMA Test wt. lb/bu	GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
1	NONTREATED									11.9	51.9	46	0	0	0	0
2	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.9	52.3	48	0	0	0	0
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
3	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A	11.9	52.4	50	0	0	0	0
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A							
4	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A	11.6	51.4	51	0	0	0	0
4	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A							
5	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A	11.8	51.4	44	0	0	0	0
5	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A							
6	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A	11.8	52.2	53	0	0	0	0
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A							
7	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A	11.9	52.2	45	0	0	0	0
8	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A	11.7	52.0	56	0	0	0	0
8	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A							
9	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A	11.7	51.7	57	0	0	0	0
9	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
9	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A							
10	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A	11.8	51.9	50	0	0	0	0
10	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
10	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A							
11	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A	11.7	52.2	55	0	0	0	0
11	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
11	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A							
12	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.7	51.6	50	0	0	0	0
12	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A							
12	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.6	51.7	56	0	0	0	0
13	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A							
13	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
14	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.7	52.1	49	0	0	0	0
14	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A							
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
15	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.6	51.8	52	0	0	0	0
15	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A							
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
16	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.7	52.1	46	0	0	0	0
16	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.6	51.5	50	0	0	0	0
17	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A							
17	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
18	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.6	51.3	53	0	0	0	0
18	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A							
18	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
19	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.8	51.9	48	0	0	0	0
19	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A							
19	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
19	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							
20	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A	11.7	52.3	51	0	0	0	0
20	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A							
20	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A							
20	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A							

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GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA
 Moisture Test wt. Yield Injury Injury Injury Injury
 Percent lb/bu bu/A Percent Percent Percent Percent
 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	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Moisture Percent	GLXMA Test wt. lb/bu	GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
21	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.7	51.7	49	2	0	0	0
21	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
22	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R3	B	11.8	52.0	56	1	0	0	0
22	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R3	B							
23	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	B	11.7	51.9	60	0	0	0	0
23	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R3	B							
24	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R3	B	11.8	51.5	45	0	0	0	0
24	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R3	B							
25	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R3	B	11.8	51.7	49	0	0	0	0
25	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R3	B							
26	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B	11.8	51.4	48	0	0	0	0
27	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R3	B	11.5	51.4	57	0	0	0	0
27	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
27	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R3	B							
28	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	B	11.8	52.1	54	0	0	0	0
28	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
28	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R3	B							
29	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R3	B	11.9	51.8	48	0	0	0	0
29	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
29	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R3	B							
30	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R3	B	11.7	51.9	55	0	0	0	0
30	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
30	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R3	B							
31	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.6	51.4	51	0	0	0	0
31	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R3	B							
31	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
32	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.8	51.7	54	0	0	0	0
32	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	B							
32	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
33	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.8	51.6	44	0	0	0	0
33	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R3	B							
33	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
34	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.7	51.5	49	0	0	0	0
34	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R3	B							
34	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
35	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.7	51.7	49	14	8	3	0
35	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
35	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
36	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.7	51.8	55	0	0	0	0
36	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R3	B							
36	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
36	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
37	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.7	51.5	55	0	0	0	0
37	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R3	B							
37	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
37	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
38	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.8	51.5	52	0	0	0	0
38	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R3	B							
38	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
38	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							
39	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R3	B	11.6	51.4	53	0	0	0	0
39	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R3	B							
39	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R3	B							
39	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R3	B							

LSD (P=.05)

0.30 0.87 7.8 0.4 0.0 0.5 0.1

Interaction of Soybean Fungicides and Insecticides with Glyphosate.

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

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Moisture Percent	GLXMA Test wt. lb/bu	GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
										10-13-05	10-13-05	10-13-05	7 DAT	14 DAT	21 DAT	28 DAT
	Replicate F									2.879	2.167	37.089	1.172	0.000	1.000	1.000
	Replicate Prob(F)									0.0391	0.0958	0.0001	0.3237	1.0000	0.3956	0.3956
	Treatment F									0.904	0.995	1.974	205.229	0.000	4.412	1.000
	Treatment Prob(F)									0.6293	0.4895	0.0036	0.0001	1.0000	0.0001	0.4824

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GLXMA GLXMA GLXMA GLXMA
 FROEYE FROEYE BROSPO BROSPO
 % Incid Sever0-9 % Incid Sever0-5
 08-12-05 08-12-05 08-12-05 08-12-05

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	NONTREATED										3	1.0	100	3.66
2	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		14	2.3	100	3.00
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
3	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A		1	0.3	100	3.00
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A					
4	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A		0	0.0	100	2.75
4	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A					
5	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A		5	0.5	100	3.50
5	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A					
6	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A		0	0.0	100	3.25
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A					
7	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A		1	0.3	100	3.50
8	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A		0	0.0	100	3.50
8	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A					
9	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A		0	0.0	100	3.00
9	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
9	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A					
10	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A		0	0.0	100	2.00
10	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
10	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	R1	A					
11	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A		0	0.0	100	3.00
11	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
11	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	R1	A					
12	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	2.75
12	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A					
12	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	2.50
13	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A					
13	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
14	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	3.00
14	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A					
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
15	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	3.50
15	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A					
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
16	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	3.25
16	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	3.00
17	QUADRIS	2.08	F	0.0975	lb ai/a	6	fl oz/a	R1	A					
17	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
18	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	2.75
18	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	R1	A					
18	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
19	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	2.75
19	FOLICUR	3.6	F	0.112	lb ai/a	4	fl oz/a	R1	A					
19	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
19	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					
20	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	R1	A		0	0.0	100	2.75
20	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	R1	A					
20	WARRIOR	1	CS	0.02	lb ai/a	2.56	fl oz/a	R1	A					
20	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	R1	A					

Interaction of Soybean Fungicides and Insecticides with Glyphosate.

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

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

GLXMA GLXMA GLXMA GLXMA
 FROEYE FROEYE BROSPO BROSPO
 % Incid Sever0-9 % Incid Sever0-5
 08-12-05 08-12-05 08-12-05 08-12-05

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code				
21	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.25
21	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
22	QUADRIS	2.08 F		0.0975	lb ai/a	6	fl oz/a	R3	B	5	0.8	100	3.00
22	PRIME OIL COC	100 LIQ		1.0	% v/v	1	% v/v	R3	B				
23	HEADLINE	2.09 EC		0.098	lb ai/a	6	fl oz/a	R3	B	0	0.0	100	3.50
23	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	R3	B				
24	FOLICUR	3.6 F		0.112	lb ai/a	4	fl oz/a	R3	B	0	0.0	100	2.75
24	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	R3	B				
25	QUILT	1.67 F		0.183	lb ai/a	14	fl oz/a	R3	B	0	0.0	100	2.75
25	PRIME OIL COC	100 LIQ		1.0	% v/v	1	% v/v	R3	B				
26	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B	0	0.0	100	2.75
27	QUADRIS	2.08 F		0.0975	lb ai/a	6	fl oz/a	R3	B	0	0.0	100	3.00
27	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
27	PRIME OIL COC	100 LIQ		1.0	% v/v	1	% v/v	R3	B				
28	HEADLINE	2.09 EC		0.098	lb ai/a	6	fl oz/a	R3	B	0	0.0	100	3.00
28	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
28	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	R3	B				
29	FOLICUR	3.6 F		0.112	lb ai/a	4	fl oz/a	R3	B	0	0.0	100	3.25
29	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
29	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	R3	B				
30	QUILT	1.67 F		0.183	lb ai/a	14	fl oz/a	R3	B	0	0.0	100	3.25
30	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
30	PRIME OIL COC	100 LIQ		1.0	% v/v	1	% v/v	R3	B				
31	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.00
31	QUADRIS	2.08 F		0.0975	lb ai/a	6	fl oz/a	R3	B				
31	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
32	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.25
32	HEADLINE	2.09 EC		0.098	lb ai/a	6	fl oz/a	R3	B				
32	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
33	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.00
33	FOLICUR	3.6 F		0.112	lb ai/a	4	fl oz/a	R3	B				
33	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
34	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	5	0.8	100	2.75
34	QUILT	1.67 F		0.183	lb ai/a	14	fl oz/a	R3	B				
34	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
35	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.05
35	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
35	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
36	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.05
36	QUADRIS	2.08 F		0.0975	lb ai/a	6	fl oz/a	R3	B				
36	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
36	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
37	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	5	1.3	100	3.25
37	HEADLINE	2.09 EC		0.098	lb ai/a	6	fl oz/a	R3	B				
37	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
37	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
38	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.25
38	FOLICUR	3.6 F		0.112	lb ai/a	4	fl oz/a	R3	B				
38	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
38	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				
39	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	R3	B	0	0.0	100	3.25
39	QUILT	1.67 F		0.183	lb ai/a	14	fl oz/a	R3	B				
39	WARRIOR	1 CS		0.02	lb ai/a	2.56	fl oz/a	R3	B				
39	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	R3	B				

LSD (P=.05)

3.5 0.61 0.0 0.729

Interaction of Soybean Fungicides and Insecticides with Glyphosate.

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

Weed Code				
Crop Code				
Rating Data Type	GLXMA	GLXMA	GLXMA	GLXMA
Rating Unit	FROEYE	FROEYE	BROSPO	BROSPO
Rating Date	% Incid	Sever0-9	% Incid	Sever0-5
Trt-Eval Interval	08-12-05	08-12-05	08-12-05	08-12-05

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
Replicate F					1.540				
Replicate Prob(F)					0.2081				
Treatment F					4.434				
Treatment Prob(F)					0.0001				

Trial Comments

1. Protocol: ISPOB.
2. Ratings: Crop response 7, 14, and 28 DAT; pest control (insects or diseases) at 21 DAT.
3. Yield.
4. 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.
5. DAT = Days after treatment.
 FROEYE = Frog eye leafspot. BROSPO = Septoria brown spot.
 % Incid = Percent incidence. Sever0-5 and Sever0-9 = Severity, rating scales of 0-5 and 0-9, respectively.
6. Ratings at 7 days after treatment were on 7-17-05 and 7-28-05 for the R1 and R3 applications, respectively.
 Ratings at 14 days after treatment were on 7-24-05 and 8-4-05 for the R1 and R3 applications, respectively.
 Ratings at 21 days after treatment were on 7-31-05 and 8-11-05 for the R1 and R3 applications, respectively.
 Ratings at 28 days after treatment were on 8-7-05 and 8-18-05 for the R1 and R3 applications, respectively.
 Ratings on 8-12-05 were 33 and 22 days after the R1 and R3 application, respectively.
7. Harvested 10-13-05, (2) 30 inch rows by 24 ft.