

Quadris and Touchdown Total Applications in Soybean.

Trial ID: 10-WF-SE-S60 Location: Belleville Res. Center

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 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 06-07-10

Objectives: Evaluate the plant performance and soybean yield of Quadris tank-mixed with Touchdown Total applied at soybean V4 as a single application, followed by a R3 application of Quadris, or as an R3 application following Touchdown Total applied at V4.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDDED Planting Date: 06-07-10
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: D Code: SEPTGL Septoria glycines Brown spot of soybean

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: REDUCED-TILL
 Replications: 6 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2009

Field Prep./Maintenance: N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 6.9 Soil Name: WINFIELD
 CEC: 10 Fert. Level: P1: 68 LB/A, K: 285 LB/A

Application Description

	A	B
Application Date:	07-07-10	08-02-10
Time of Day:	8:30	11:00
Application Method:	Spray	Spray
Application Timing:	V4	R3
Application Placement:	BROFOL	BROFOL
Applied By:	NVH	JRK
Air Temperature, Unit:	79 F	84 F
% Relative Humidity:	85	67
Wind Velocity, Unit:	1 MPH	2 MPH
Wind Direction:	S	S
Dew Presence (Y/N):	N	N
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	90	45

	07-07-10	08-02-10
Crop stage at application:	V4	R3
Height Min, Max (inch):	8 10	35 39

Pest Stage At Each Application

	07-07-10	08-02-10
Application Date:	07-07-10	08-02-10
Weed Code:	SEPTGL	SEPTGL
Stage Majority (leaves):	NA	NA

Application Equipment

	CO2 sprayer	CO2 sprayer
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:	10 FT	10 FT
Spray Volume, Unit:	15 GPA	15 GPA

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Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA 10-11-10 Moisture Percent	GLXMA 10-11-10 Yield bu/A	SEPTGL GLXMA 08-27-10 Incidence Percent R5	SEPTGL GLXMA 08-27-10 Severity Percent R5
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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	QUADRIS	2.08	SC	0.0975	lb ai/a	6	fl oz/a	V4	A	12.6	a	53	ab
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V4	A			90	a
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	A				
2	QUADRIS	2.08	SC	0.0975	lb ai/a	6	fl oz/a	V4	A	13.0	a	54	ab
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V4	A			90	a
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	A				
2	QUADRIS	2.08	SC	0.0975	lb ai/a	6	fl oz/a	R3	B				
2	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	B				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V4	A	13.0	a	56	a
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	A			90	a
3	QUADRIS	2.08	SC	0.0975	lb ai/a	6	fl oz/a	R3	B				
3	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	B				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V4	A	12.6	a	52	b
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	A			90	a
LSD (P=.05)										0.57		3.4	
Replicate F										1.648		13.868	
Replicate Prob(F)										0.2079		0.0001	
Treatment F										1.378		1.992	
Treatment Prob(F)										0.2878		0.1585	

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

Trial Comments

1. Protocol: Syngenta (FCNN03A4).
2. Ratings: DI/DS at R5; CI if present any time.
3. Yield.
4. Provide GPS coordinates for the lower left corner of the study.
Longitude = 89.843234 Latitude = 38.516363
5. Blanket PRE application of Prefix (2.0 pt/A) to entire study area was applied on 6-7-10.
6. SEPTGL = Brown spot of soybean (Septoria glycines).
There was no disease in the upper and mid canopy, brown spot was in the lower canopy.
7. Harvested 10-11-10, (2) 30 inch rows by 27 ft.