

The Effect of Headline plus Insecticides on Soybean Quality and Yield.

Project Code: 04-20A-E70 Location: Belleville Research Center
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
 Trial Status: Final Updated: 10-20-04

Objective:

Assess soybean yield and yield quality as influenced by Headline alone and with insecticides.

Weed Code Common Name Scientific Name
 1. NA crop tolerance only

Crop 1: GLXMA soybean Variety: AG 4403 RR
 Planting Method: Seeded Planting Date: 5-22-04
 Rate: 75 lb/A Depth: 1.0 IN
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 27 FT Reps: 4
 Tillage Type: Reduced-Till Study Design: Randomized complete block
 Previous Crop, Year: GLXMA, 2003

Field Prep./Maintenance: N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A

Soil Name: Ebbert % OM: 2.6 pH: 6.1 CEC: 13
 Texture: Silt loam Fert. Level: P1: 78 LB/A, K: 423 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	6-30-04	7-13-04	8-2-04
Time of Day:	12:00	9:00	9:00
Application Method:	Spray	Spray	Spray
Application Timing:	V5	R1-R2	R3-R5
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	82 F	80 F	74 F
% Relative Humidity:	42	80	98
Wind Velocity, Unit:	3 MPH	3 MPH	3 MPH
Soil Moisture:	BELNOR	ABONOR	ABONOR

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA V5	GLXMA R2	GLXMA R4
Height, Unit:	7-8 IN	18-20 IN	32-36 IN

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8003	8003
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA

NOTES:

Harvested 10-4-04, (2) 30 inch rows x 24 ft.

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Trial Comments

1. Protocol: BASF.
2. Ratings: Disease ratings if present; record any greening/delayed senescence.
3. Weed free.
4. Yield, collect seed samples.
5. Blanket PRE application of Prowl and Scepter at 0.75 and 0.125 lbai/A, respectively on 5-23-04.
6. Blanket POST application of glyphosate at 0.75 lbae/A was applied to V3-V4 soybeans on 6-21-04.
7. As of 9-1-04, no observable crop injury or diseases in any plots.
8. DAP = Days after planting.
9. Harvested 10-4-04, (2) 30 inch rows x 24 ft.