

Influence of Soybean Stunting on Yield.

Project Code: 04-2B-M50 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: 11-1-04

Objective:

Determine if soybean stunting from application of postemergence soybean herbicides impacts yield.

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

Crop 1:	GLXMA soybean	Variety:	AG 4403 RR
Planting Method:	Seeded	Planting Date:	6-7-04
Rate:	75 lb/A	Depth:	1.0 IN
Row Spacing:	30 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	28 FT	Reps:	4
Tillage Type:	Reduced-Till	Study Design:	Randomized complete block		
Previous Crop, Year:	TRAZW, 2003				

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

Soil Name: Weir	% OM: 1.6	pH: 6.1	CEC: 8
Texture: Silt loam	Fert. Level: P1: 91 LB/A,	K: 410 LB/A	

APPLICATION DESCRIPTION

Application Date:	7-12-04
Time of Day:	9:00
Application Method:	Spray
Application Timing:	V4
Applic. Placement:	BROFOL
Air Temp., Unit:	76 F
% Relative Humidity:	88
Wind Velocity, Unit:	0 MPH
Soil Moisture:	ABONOR

CROP STAGE AT EACH APPLICATION

Crop 1 Code, Stage:	GLXMA V4
Height, Unit:	8-10 IN

WEED STAGE AT EACH APPLICATION

Weed 1 Code:	NA
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APPLICATION EQUIPMENT

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

NOTES:

Harvested 10-25-04, (2) 30 inch rows x 25 ft.

