

Glyphosate plus Max-in Foliar Fertilizer.

Project Code: 04-21N-W80 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: 9-1-04

Objective:

Determine the influence of the foliar fertilizer Max-in for Beans on the efficacy of glyphosate.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. ABUTH	velvetleaf	Abutilon theophrasti Medicus
3. XANST	cocklebur, common	Xanthium strumarium L.

Crop 1:	GLXMA soybean	Variety:	AG 4403 RR
Planting Method:	Seeded	Planting Date:	5-12-04
Rate:	75 lb/A	Depth:	1.0 IN
Row Spacing:	30 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	30 FT	Reps:	3
Tillage Type:	Reduced-Till	Study Design:	Randomized complete block		
Previous Crop, Year:	ZEAMX, 2003				

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

Soil Name:	Ebbert	% OM:	2.7	pH:	6.2	CEC:	14
Texture:	Silt loam	Fert. Level:	P1: 115 LB/A, K: 500 LB/A				

APPLICATION DESCRIPTION

A	
Application Date:	6-22-04
Time of Day:	12:00
Application Method:	Spray
Application Timing:	8-12"W
Applic. Placement:	BROFOL
Air Temp., Unit:	72 F
% Relative Humidity:	62
Wind Velocity, Unit:	5 MPH
Soil Moisture:	NORMAL

CROP STAGE AT EACH APPLICATION

A	
Crop 1 Code, Stage:	GLXMA V5
Height, Unit:	10 IN

WEED STAGE AT EACH APPLICATION

A	
Weed 1 Code:	SETFA
Stage(leaves):	6-8
Height(inches):	6-10
Density:	High
Weed 2 Code:	ABUTH
Stage(leaves):	2-5
Height(inches):	2-9
Density:	High
Weed 3 Code:	XANST
Stage(leaves):	6-7
Height(inches):	8-10
Density:	High

APPLICATION EQUIPMENT

A	
Appl. Equipment:	CO2 sprayer
Operating Pressure:	40 PSI
Nozzle Type:	Flat fan
Nozzle Size:	TT 110015
Boom Length, Unit:	7.5 FT
Spray Volume, Unit:	10 GPA

NOTES:

Southern Illinois University

Glyphosate plus Max-in Foliar Fertilizer.

Project Code: 04-21N-W80 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code						SETFA	SETFA	ABUTH	ABUTH	XANST	XANST		
Crop Code						GLXMA	GLXMA						
Rating Data Type						Injury	Injury	Control	Control	Control	Control		
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date						7-6-04	7-20-04	7-6-04	7-20-04	7-6-04	7-20-04		
Trt-Eval Interval						14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code				
1	NONTREATED									0	0	0	0
2	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	99	99
3	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	99	99
3	ALLIANCE	100	LIQ	5	QT/100 GAL	5	QT/100 GAL	8-12"W	A			77	65
4	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	75	98
4	MAX-IN FOR BEANS	100	LIQ	1	QT/A	1	QT/A	8-12"W	A			50	50
5	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	97	99
5	MAX-IN FOR BEANS	100	LIQ	1	QT/A	1	QT/A	8-12"W	A			75	68
5	ALLIANCE	100	LIQ	5	QT/100 GAL	5	QT/100 GAL	8-12"W	A			88	88
6	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	98	99
6	MAX-IN FOR BEANS	100	LIQ	1	QT/A	1	QT/A	8-12"W	A			73	57
6	ALLIANCE	100	LIQ	8	QT/100 GAL	8	QT/100 GAL	8-12"W	A			88	88
7	ROUNDUP W-MAX	4.5	SL	0.385	LB AE/A	11	FL OZ/A	8-12"W	A	0	0	98	99
7	MAX-IN FOR BEANS	100	LIQ	1	QT/A	1	QT/A	8-12"W	A			82	70
7	CLASS ACT NG	100	LIQ	2.5	% V/V	2.5	% V/V	8-12"W	A			85	99
LSD (P=.05)						0.0	0.0	6.1	0.4	10.5	11.6	10.4	1.9
Replicate F						0.000	0.000	2.761	1.000	0.644	1.033	4.154	1.000
Replicate Prob(F)						1.0000	1.0000	0.1032	0.3966	0.5424	0.3857	0.0426	0.3966
Treatment F						0.000	0.000	345.509	88015.000	72.644	43.684	104.508	3460.600
Treatment Prob(F)						1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001