

MSU Weed Science Research Program

Tolerance of RR2 Xtend soybean to other auxin herbicides

Trial ID: SOY15-15 Study Dir.: Sprague, Hill, Powell
Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Date Planted: May/28/2015 Row Spacing: 30 IN
Variety: RR2 Xtend No. of Reps: 4
Population: 140,000 seeds/A % OM: 2.4
Soil Type: Loam pH: 7.7
Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; spring soil finish
Crop Code Common Name
1. GLXMA SOYBEAN

Application Description

A
Application Timing: POST
Date Treated: Jun/22/2015
Time Treated: 9:30 AM
% Cloud Cover: 15
Air Temp., Unit: 76 F
% Relative Humidity: 66
Wind Speed/Unit/Dir: 3 mph S
Soil Temp., Unit: 75 F
Soil/Leaf Surface M: 4 5
Soil Moist (1=w 5=d): 3

Crop Stage at Each Application

A
Crop Name: GLXMA
Height (In.): 4"
Stage (L): V1

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom				
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI	
A	Cub	3.8	TTI	11003	21"	20"	100"	19	Water	26	

Comments: Soybeans were kept weed-free with an application of Roundup PowerMax at 32 fl oz/A + AMS at 17 lb/100 gal on June 22, 2015.
Trial was destroyed prior to soybean flowering.

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Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval
 # Subsamples, Dec.

GLXMA	GLXMA	GLXMA
injury	injury	injury
control	control	control
Jun/30/2015	Jul/06/2015	Jul/20/2015
8 DA-A	14 DA-A	28 DA-A
0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code			
1	Engenia	5.5	SL	12.8	fl oz/a	POST	A	0	0	0
2	2,4-D amine (Weedar 64)	3.8	L	32	fl oz/a	POST	A	53	65	53
3	Status	56	WG	5	oz/a	POST	A	50	68	89
3	Surfactant		L	0.25	% v/v	POST	A			
3	AMS		WG	2.5	lb/a	POST	A			
4	Untreated							0	0	0
LSD (P=.05)								4.0	6.4	4.3
CV								9.76	12.06	7.56

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