

MSU Weed Science Research Program

Crop safety of Valor combinations with acetamide herbicides in soybean

Trial ID: SOY01-14

Study Dir.: Sprague and Powell

Conducted: Campus T-10

Investigator: Christy Sprague

Date Planted: May/21/2014	Row Spacing: 30 IN
Variety: Pioneer 26T76R	No. of Reps: 4
Population: 150,000 seeds/A	% OM: 3
Soil Type: Loam	pH: 7.7
Plot Size: 10 X 35 FT	Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow. Spring soil finish 2x.

Fertilizer: None

Crop	Code	Common Name
1.	GLXMA	SOYBEAN

Application Description

	A
Application Timing:	PRE
Date Treated:	May/22/2014
Time Treated:	6:45 AM
% Cloud Cover:	5
Air Temp., Unit:	55 F
% Relative Humidity:	84
Wind Speed/Unit/Dir:	5 mph NW
Soil Temp., Unit:	60 F
Soil/Leaf Surface M:	4 -
Soil Moist (1=w 5=d):	4

Crop Stage at Each Application

	A
Crop Name:	GLXMA
Height (In.):	-
Stage (L):	-

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom				
A	Cub	3.8	AIXR	11003	20"	20"	100"	19	Water	30	

Comments: 06/14/14 - A blanket treatment of Roundup PowerMax at 32 fl oz/A + AMS was applied.

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Weed Code												
Crop Code								GLXMA	ANGR	CHEAL	AMAPO	AMBEL
Rating Data Type								injury	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent
Rating Date								Jun/13/2014	Jun/13/2014	Jun/13/2014	Jun/13/2014	Jun/13/2014
Trt-Eval Interval								22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Untreated							0	0	0	0	0
2	Valor	51	WG	2	oz/a	PRE	A	14	49	98	97	58
3	Valor	51	WG	2	oz/a	PRE	A	29	73	99	97	70
3	Warrant	3	L	3	pt/a	PRE	A					
4	Valor	51	WG	2	oz/a	PRE	A	21	81	98	99	71
4	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A					
5	Fierce	76	WG	3	oz/a	PRE	A	19	70	98	98	76
LSD (P=.05)								4.4	9.6	2.4	4.6	13.9
CV								17.5	11.45	1.97	3.84	16.45

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

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Weed Code											
Crop Code											
Rating Data Type								GLXMA	GLXMA	GLXMA	GLXMA
Rating Unit								injury	injury	injury	moisture
Rating Date								percent	percent	percent	percent
Trt-Eval Interval								Jun/19/2014	Jul/11/2014	Jul/21/2014	Oct/27/2014
# Subsamples, Dec.								28 DA-A	50 DA-A	60 DA-A	158 DA-A
											at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Rate	Rate Unit	Grow Stg	Appl Code					
1	Untreated								0	0	0	12.9	69.1
2	Valor	51	WG	2	oz/a	PRE	A		15	1	0	12.4	67.7
3	Valor	51	WG	2	oz/a	PRE	A		19	13	0	13.1	64.1
3	Warrant	3	L	3	pt/a	PRE	A						
4	Valor	51	WG	2	oz/a	PRE	A		18	5	0	12.7	66.5
4	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A						
5	Fierce	76	WG	3	oz/a	PRE	A		16	2	0	12.7	69.2
LSD (P=.05)									2.7	2.7	0.0	0.83	5.12
CV									13.09	44.93	0.0	4.22	4.94

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