

Comparison of Group 15 residual herbicides in soybean

Trial ID: SOY08-25 Study Dir.: Stiles, Sprague
 Conducted: Campus, C-14 Investigator: Christy Sprague

Planting Date: May-14-2025 **Row Spacing:** 30 "
Variety: AG24XF4 **No. of Reps:** 4
Population: 150000 S/A **% OM:** 2.2
Soil Type: L loam **pH:** 6.4
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plow and soil finish; spring soil finish twice.

Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	annual grass	mostly giant foxtail and barnyardgrass
2	CHEAL	common lambsquarters	Chenopodium album
3	AMBEL	common ragweed	Ambrosia artemisiifolia

Crop	Code	Common Name
1	GLXMA	Soybean

Application Description

	A
Application Timing:	PRE
Date Treated:	May-14-2025
Time Treated:	3:00 PM
% Cloud Cover:	77
Air Temp., Unit:	70 F
% Relative Humidity:	90
Wind Speed/Unit/Dir:	7 MPH SSE
Soil Temp, Unit:	78 F
Leaf Moist/Dew Presence (Y/N):	N
Soil Moist:	5

Crop Stage at Each Application

	A
Crop 1 Name:	GLXMA
Height:	
Stage:	

Weed Stage at Each Application

	A
Weed 1 Name:	ANGR
Height:	
Stage:	
Weed 2 Name:	CHEAL
Height:	
Stage:	
Weed 3 Name:	AMBEL
Height:	
Stage:	

Weed Density

	1	2	3
Date:	May-14-2025	May-14-2025	May-14-2025
Weed Name:	ANGR	CHEAL	AMBEL
Density:	6 ft2	2 FT2	5 FT2

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.8 MPH	AIXR	11003	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

Comments:

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Rating Date	Jun-4-2025	Jun-11-2025	Jun-11-2025	Jun-11-2025	Jun-11-2025	Jun-18-2025	Jun-18-2025
Rating Type	injury	injury	control	control	control	injury	control
Rating Unit	%	%	%	%	%	%	%
Crop Type, Code	C, GLXMA	C, GLXMA				C, GLXMA	
Pest Code			ANGR	CHEAL	AMBEL		ANGR
Treatment Appl. Interval	21 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	35 DA-A	35 DA-A
Number of Decimals	0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl Unit	Appl Code	Appl Timing		
1	Untreated					0	0
2	Zidua SC	3.25 fl oz/a	A	PRE		0	0
3	Dual II Magnum	1.33 pt/a	A	PRE		100	100
4	Warrant	3 pt/a	A	PRE		81	86
5	Outlook	18 fl oz/a	A	PRE		100	100
6	Prowl H2O	2 pt/a	A	PRE		94	96
LSD P=.05						6.4	7.1
Standard Deviation						4.2	4.7
CV						5.33	5.86

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,10 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0

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Rating Date	Jun-18-2025	Jun-18-2025	Jul-2-2025	Jul-2-2025	Jul-2-2025	Jul-2-2025
Rating Type	control	control	injury	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code	CHEAL	AMBEL		ANGR	CHEAL	AMBEL
Treatment Appl. Interval	35 DA-A	35 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A
Number of Decimals	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl Unit	Appl Code	Appl Timing	
1	Untreated					0
2	Zidua SC	3.25 fl oz/a	A	PRE		100
3	Dual II Magnum	1.33 pt/a	A	PRE		100
4	Warrant	3 pt/a	A	PRE		76
5	Outlook	18 fl oz/a	A	PRE		98
6	Prowl H2O	2 pt/a	A	PRE		100
LSD P=.05						3.5
Standard Deviation						2.3
CV						2.97

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,10 because error variance is 0.
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