

Influence of adjuvants on AMV5131

Trial ID: NC04-19 Study Dir.: Sprau, Powell, Stiles
 Conducted: Campus, B-8 Investigator: Christy Sprague

Planting Date: Jul-15-2019 **Row Spacing:** 30 IN
Variety: AG26X8 **No. of Reps:** 4
Population: 150000 seeds/A **% OM:** 2.7
Soil Type: L loam **pH:** 6.6
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Spring soil finish (2X)
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1			
Crop	Code	Common Name	
1	GLXMA	Soybean	
2	PHSVX	Black bean	
3	TRZAW	Winter wheat	
4	SETIT	foxtail millet	

Application Description

A

Application Timing: POST
Date Treated: Aug-5-2019
Time Treated: 12:15 PM
% Cloud Cover: 5
Air Temp., Unit: 82 F
% Relative Humidity: 42
Wind Speed/Unit/Dir: 7 MPH W
Soil Temp, Unit: 79 F
Leaf Moist/Dew Presence (Y/N): 4
Soil Moist: 4

Crop Stage at Each Application

A

Crop 1 Name: GLXMA
Height: 5 "
Stage: V2
Crop 2 Name: PHSVX
Height: 8 "
Stage: V2
Crop 3 Name: TRZAW
Height: 4 "
Stage: 4L
Crop 4 Name: SETIT
Height: 7 "
Stage: 6L

Weed Stage at Each Application

A

Weed 1 Name:
Height:
Stage:

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	26 "	20 "	100 "	19 GPA	WATER	30 PSI

Comments:

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Pest Code	GLXMA	PHSVX	TRZAW	SETIT	GLXMA					
Crop Type, Code	Aug-19-2019	Aug-19-2019	Aug-19-2019	Aug-19-2019	Sep-2-2019					
Rating Date	control	control	control	control	control					
Rating Type	percent	percent	percent	percent	percent					
Rating Unit	14 DA-A	14 DA-A	14 DA-A	14 DA-A	28 DA-A					
Trt-Eval Interval	0	0	0	0	0					
Number of Decimals										
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code					
1 AMV5131	2.72	L	13 fl oz/a	<6" crops A		68	68	11	98	68
1 AMS		WG	3 lb/a	<6" crops A						
2 AMV5131	2.72	L	13 fl oz/a	<6" crops A		56	58	9	99	60
2 R-11 (NIS)		L	0.25 % v/v	<6" crops A						
3 AMV5131	2.72	L	13 fl oz/a	<6" crops A		78	79	19	99	80
3 R-11 (NIS)		L	0.25 % v/v	<6" crops A						
3 AMS		WG	3 lb/a	<6" crops A						
4 AMV5131	2.72	L	13 fl oz/a	<6" crops A		50	50	2	89	68
4 Prime Oil (COC)		L	1 % v/v	<6" crops A						
5 AMV5131	2.72	L	13 fl oz/a	<6" crops A		66	69	16	95	84
5 Prime Oil (COC)		L	1 % v/v	<6" crops A						
5 AMS		WG	3 lb/a	<6" crops A						
6 AMV5131	2.72	L	13 fl oz/a	<6" crops A		54	54	8	93	73
6 Premium MSO (MSO)		L	1 % v/v	<6" crops A						
7 AMV5131	2.72	L	13 fl oz/a	<6" crops A		78	75	15	99	89
7 Premium MSO (MSO)		L	1 % v/v	<6" crops A						
7 AMS		WG	3 lb/a	<6" crops A						
8 AMV5131	2.72	L	13 fl oz/a	<6" crops A		61	61	14	99	75
8 Hybrid (HSMOC)		L	0.75 % v/v	<6" crops A						
9 AMV5131	2.72	L	13 fl oz/a	<6" crops A		86	83	23	100	94
9 Hybrid (HSMOC)		L	0.75 % v/v	<6" crops A						
9 AMS		WG	3 lb/a	<6" crops A						
10 Untreated						0	0	0	0	0
LSD P=.05						5.6	5.7	6.4	3.3	5.4
Standard Deviation						3.8	3.9	4.4	2.3	3.7
CV						6.43	6.59	37.66	2.65	5.44

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Pest Code			
Crop Type, Code		PHSVX	TRZAW
Rating Date		Sep-2-2019	Sep-2-2019
Rating Type		control	control
Rating Unit		percent	percent
Trt-Eval Interval		28 DA-A	28 DA-A
Number of Decimals		0	0
			SETIT
			Sep-2-2019
			control
			percent
			28 DA-A
			0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code			
1	AMV5131	2.72	L	13 fl oz/a		<6" crops A		66	6	95
1	AMS		WG	3 lb/a		<6" crops A				
2	AMV5131	2.72	L	13 fl oz/a		<6" crops A		49	9	89
2	R-11 (NIS)		L	0.25 % v/v		<6" crops A				
3	AMV5131	2.72	L	13 fl oz/a		<6" crops A		76	14	98
3	R-11 (NIS)		L	0.25 % v/v		<6" crops A				
3	AMS		WG	3 lb/a		<6" crops A				
4	AMV5131	2.72	L	13 fl oz/a		<6" crops A		20	8	78
4	Prime Oil (COC)		L	1 % v/v		<6" crops A				
5	AMV5131	2.72	L	13 fl oz/a		<6" crops A		76	10	88
5	Prime Oil (COC)		L	1 % v/v		<6" crops A				
5	AMS		WG	3 lb/a		<6" crops A				
6	AMV5131	2.72	L	13 fl oz/a		<6" crops A		38	8	83
6	Premium MSO (MSO)		L	1 % v/v		<6" crops A				
7	AMV5131	2.72	L	13 fl oz/a		<6" crops A		74	9	95
7	Premium MSO (MSO)		L	1 % v/v		<6" crops A				
7	AMS		WG	3 lb/a		<6" crops A				
8	AMV5131	2.72	L	13 fl oz/a		<6" crops A		49	5	90
8	Hybrid (HSMOC)		L	0.75 % v/v		<6" crops A				
9	AMV5131	2.72	L	13 fl oz/a		<6" crops A		80	11	95
9	Hybrid (HSMOC)		L	0.75 % v/v		<6" crops A				
9	AMS		WG	3 lb/a		<6" crops A				
10	Untreated							0	0	0
	LSD P=.05							8.2	5.7	6.7
	Standard Deviation							5.7	4.0	4.6
	CV							10.73	50.19	5.7