

The Ohio State University

AMVAC Postemergence Herbicides for Soybean Weed Control

Trial ID: 21AMVACPOS Location: Western Branch Ent W-1 Trial Year: 2021
 Protocol ID: 21C13H115 Investigator (Creator): Dr. Mark M. Loux
 Project ID: Study Director:
 Sponsor Contact:

Trial Status: E established
ARM Trial Created On: Mar-31-2021
Initiation Date: May-23-2021 **Planned Completion Date:** Sep-1-2021

Trial Location

City: South Charleston **Country:** USA United States
State/Prov.: Ohio
Postal Code: 45368

Latitude of LL Corner °: 39.85573 N
Longitude of LL Corner °: -83.66852 W
Altitude of LL Corner: 1115.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Crop Description

Crop 1: C GLXMA Glycine max Soybean **BBCH Scale:** BSOY
Entry Date: May-25-2021 **Stage Scale:** BBCH
Variety: Seed Consultants SC8379X
Attributes: glyphosate, dicamba resistant
Seed Size: 2750 S/LB
Planting Date: May-23-2021 **Planting Rate:** 155000 S/A
Depth: 1 IN
Rows per Plot: 4 **Planting Method:** PLANTD planted
Row Spacing: 30 IN **Planting Equipment:** FE field equipment
Seed Bed: MEDIUM medium
Soil Temperature: 70 F **Soil Moisture:** DRY dry
Emergence Date: Jun-9-2021

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi* **Entry Date:** Jun-24-2021
Common Name: Giant foxtail **Stage Scale:** BBCH

Pest 2 Type: W **Code:** ECHCG *Echinochloa crus-galli* **Entry Date:** May-25-2021
Common Name: Common barnyard grass **Stage Scale:** BBCH

Pest 3 Type: W **Code:** AMATA *Amaranthus x tamariscinus* **Entry Date:** Jun-24-2021
Common Name: Common waterhemp **Stage Scale:** BBCH

Pest 4 Type: W **Code:** AMBTR *Ambrosia trifida* **Entry Date:** Jun-24-2021
Common Name: Giant ragweed **Stage Scale:** BBCH

Pest 5 Type: W **Code:** CHEAL *Chenopodium album* **Entry Date:** Jun-24-2021
Common Name: common lambsquarters **Stage Scale:** BBCH

Pest 6 Type: W **Code:** HIBTR *Hibiscus trionum* **Entry Date:** Jun-24-2021
Common Name: Venice mallow **Stage Scale:** BBCH

Pest 7 Type: W **Code:** IPOHE *Ipomoea hederacea* **Entry Date:** Jun-24-2021
Common Name: ivy-leaf morning glory **Stage Scale:** BBCH

Site and Design

Treated Plot Width: 6.67 FT **Site Type:** FIELD field
Treated Plot Length: 30 FT **Experimental Unit:** 4 ROW row
Treated Plot Area: 200.1 FT² **Treatments:** 10 **Tillage Type:** CONTIL conventional-till
Replications: 3 **Study Design:** RACOB� Randomized Complete Block (RCB)

Previous

No. Crop Year
 1. PUMPKINS 2020

Field Prep./Maintenance:

Conventional Tillage required. Maintain soybean crop using local practices for optimum soybean growth and yield

Soil Description

Description Name: Entomology W-1
% Sand: 35 **% OM:** 2.3 **Texture:** L loam
% Silt: 40 **pH:** 6.6 **Soil Name:** Crosby
% Clay: 25 **CEC:** 12.7 **Fert. Level:** G good
Soil Drainage: G good

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Application Description

	A		B	
Application Date	May-24-2021		Jun-23-2021	
Appl. Start Time	10:30 AM		8:30 AM	
Appl. Stop Time	10:45 AM		9:00 AM	
Application Method	SPRAY		SPRAY	
Application Timing	PRE		POSPOS	
Application Placement	BROSOL		BROFOL	
Applied By			Dobbels	
Appl. Entry Date	May-25-2021		Jun-24-2021	
Air Temperature Start, Stop	83	83	F 61	64
% Relative Humidity Start, Stop	50	50	62	55
Wind Velocity+Dir. Start	3	MPH E	6	MPH SW
Wind Velocity+Dir. Stop	3	MPH E	8	MPH SW
Wind Velocity+Dir. Max	3	MPH E	8	MPH SW
Wet Leaves (Y/N)	N no		Y yes	
Soil Temperature	70	F	79	F
Soil Moisture	DRY		dry	
Soil Surface Condition	MEDTRA		MEDIUM	
% Cloud Cover	85		20	
Next Moisture Occurred On	May-24-2021		Jun-29-2021	
Time to Next Moisture	3.0 HR		7.0 DAY	
Moisture 6 Hours after Appl.	0.5 IN		0 IN	
Moisture 1 Week after Appl.	1.29 IN		0.03 in	

Protocol Application Directions:

Application Timing:

PREPRE : Apply to bare ground before crop and weeds have emerged

POSPOS: Apply when weeds are 2-4" in height

Application water volume: 15 GPA

Nozzle types:

For PRE applications in all treatments, use a nozzles that produces medium to coarse spray droplets.

For POST applications in treatments 2, 3, 4, 9, and 10, use a nozzle that produces medium to coarse droplets. Avoid ultra coarse or extremely coarse droplet producing nozzles

For POST applications in treatments 5, 6, 7, and 8, use an Engenia approved nozzles (such as air-induction nozzle types), and include and Engenia- approved drift reduction agent (DRA) and pH buffering adjuvant

Please record following information in **SITE DESCRIPTION** sections: pH, CEC, OM%, texture

Application details: Date, time, sprayer type, water pH, GPA, PSI, nozzle type and orifice.

Crop Stage At Each Application

	A		B	
Crop 1 Code, BBCH Scale	GLXMA	BSOY	GLXMA	BSOY
Days after Emergence	-16		14	
Stage Majority, Percent			14	100
Height Average			7	IN
Height Minimum, Maximum			6	8

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Pest Stage At Each Application

	A			B		
	SETFA	W	BBCH	SETFA	W	BBCH
Pest 1 Code, Type, Scale						
Stage Majority, Percent				15		80
Stage Minimum, Percent				13		10
Stage Maximum, Percent				15		80
Height Average				6		IN
Height Minimum, Maximum				5		8
Density Average				41		PLA/m2
Density Minimum, Maximum				20		56
Pest 2 Code, Type, Scale	ECHCG	W	BBCH	ECHCG	W	BBCH
Stage Majority, Percent				15		80
Stage Minimum, Percent				13		10
Stage Maximum, Percent				15		80
Height Average				6		IN
Height Minimum, Maximum				5		8
Density Average				39		PLA/m2
Density Minimum, Maximum				32		48
Pest 3 Code, Type, Scale	AMATA	W	BBCH	AMATA	W	BBCH
Stage Majority, Percent				18		80
Stage Minimum, Percent				16		10
Stage Maximum, Percent				19		10
Height Average				4		IN
Height Minimum, Maximum				2		4
Density Average				83		PLA/m2
Density Minimum, Maximum				56		108
Pest 4 Code, Type, Scale	AMBTR	W	BBCH	AMBTR	W	BBCH
Stage Majority, Percent				18		80
Stage Minimum, Percent				16		10
Stage Maximum, Percent				19		10
Height Average				6		IN
Height Minimum, Maximum				2		8
Density Average				5		PLA/m2
Density Minimum, Maximum				4		8
Pest 5 Code, Type, Scale	CHEAL	W	BBCH	CHEAL	W	BBCH
Stage Majority, Percent				18		80
Stage Minimum, Percent				14		10
Stage Maximum, Percent				18		80
Height Average				3		IN
Height Minimum, Maximum				1		3
Pest 6 Code, Type, Scale	HIBTR	W	BBCH	HIBTR	W	BBCH
Stage Majority, Percent				12		80
Stage Minimum, Percent				12		80
Stage Maximum, Percent				13		10
Height Average				3		IN
Height Minimum, Maximum				1		3
Density Average				5		PLA/m2
Density Minimum, Maximum				3		7
Pest 7 Code, Type, Scale	IPOHE	W	BBCH	IPOHE	W	BBCH
Stage Majority, Percent				12		80
Stage Minimum, Percent				12		80
Stage Maximum, Percent				13		10
Height Average				3		IN
Height Minimum, Maximum				1		3
Density Average				3		PLA/m2
Density Minimum, Maximum				1		4

Application Equipment

	A		B	
Appl. Equipment	6' TTI		6' AIXR	
Equipment Type	BACCAI		BACCAI	
Operation Pressure	44	PSI	44	PSI
Nozzle Model	110015		110015	
Nozzle Type	TTI		AIXR	
Nozzle Spacing	18	IN	18	IN
Boom Length	6.67	FT	6.67	FT
Boom Height	20	IN	20	IN
Ground Speed	3	MPH	3	MPH
Carrier	WATER		WATER	
Application Amount	15	GAL/AC	15	GAL/AC
Mix Size	1	L	1	L
Propellant	COMCO2		COMCO2	

Treatment Appl. Comments

Trt No Treatment Application Comment
 5 Use an Engenia approved DRA and pH buffer

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- 6 Use an Engenia approved DRA and pH buffer
- 7 Use an Engenia approved DRA and pH buffer
- 8 Use an Engenia approved DRA and pH buffer

Notes

Context	Date	By	Notes
STATUS	Mar-31-2021	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	May-25-2021	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Application Date entered.

Deviations

No. 1: Date:Jun-23-2021 **By:**Dobbels

Deviations:

Xtendimax treatments were applied with TTI nozzles as per label.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ECHSS	AMBTR	CHEAL
Pest Name	Barnyardgrass	Giant ragweed common	lambsqua>
Crop Type, Code	C GLXMA		
Crop Name	Soybean		
Rating Date	Jul-7-2021	Jul-7-2021	Jul-7-2021
Part Rated	PLANT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTROL	CONTROL
Rating Unit/Min/Max	%VISUAL 0 100	%VISUAL 0 100	%VISUAL 0 100
Number of Subsamples	1	1	1
Data Entry Date	Jul-8-2021	Jul-8-2021	Jul-8-2021
Days After First/Last Applic.	44 14	44 14	44 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Days After Emergence	28 DE-1	28 DE-1	28 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*
1	NTC				0 b	0	0	0
2	Dual II Magnum			A	0 b	85 ab	90 -	63 cde
	Liberty	0.585 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
3	Dual II Magnum			A	0 b	85 ab	87 -	65 cde
	Liberty	0.585 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
4	Dual II Magnum			A	0 b	85 ab	99 -	68 cd
	Liberty	0.585 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
5	Dual II Magnum			A	2 a	88 a	93 -	82 ab
	Engenia	0.5 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
6	Dual II Magnum			A	2 a	75 c	73 -	73 bc
	Engenia	0.5 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
7	Dual II Magnum			A	2 a	87 a	87 -	80 ab
	Engenia	0.5 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				

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Pest Type		W Weed	W Weed	W Weed
Pest Code		ECHSS	AMBTR	CHEAL
Pest Name		Barnyardgrass	Giant ragweed common	lambsqua>
Crop Type, Code	C GLXMA			
Crop Name	Soybean			
Rating Date	Jul-7-2021	Jul-7-2021	Jul-7-2021	Jul-7-2021
Part Rated	PLANT -	PLOT -	PLOT -	PLOT -
Rating Type	PHYGEN	CONTROL	CONTROL	CONTROL
Rating Unit/Min/Max	%VISUAL 0 100	%VISUAL 0 100	%VISUAL 0 100	%VISUAL 0 100
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-8-2021	Jul-8-2021	Jul-8-2021	Jul-8-2021
Days After First/Last Applic.	44 14	44 14	44 14	44 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Days After Emergence	28 DE-1	28 DE-1	28 DE-1	28 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	1*	2*	3*	4*
8	Dual II Magnum			A	2 a	85 ab	93 -	85 a
	Engenia	0.5 lb ai/a		B				
	Python	0.00625 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
9	Dual II Magnum			A	2 a	77 bc	75 -	60 de
	Classic	0.0078 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
10	Dual II Magnum			A	2 a	72 c	87 -	57 e
	FirstRate	0.021 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
LSD P=.05					0.7	6.4	20.6	7.7
Standard Deviation					0.4	3.7	11.9	4.5
CV					35.43	4.52	13.69	6.36
Levene's F^					0.407	0.292	0.375	0.39
Levene's Prob(F)					0.916	0.96	0.92	0.912
Skewness^					-0.4937	0.534	0.4906	0.5447
Kurtosis^					0.1824	-0.491	-0.4291	-0.1085
Replicate F					1.976	3.496	1.848	0.324
Replicate Prob(F)					0.1676	0.0550	0.1897	0.7281
Treatment F					18.561	7.681	1.508	15.376
Treatment Prob(F)					0.0001	0.0003	0.2302	0.0001

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	CONSS	ECHSS
Pest Name	common water he>	Morningglory	Barnyardgrass
Crop Type, Code			C GLXMA
Crop Name			Soybean
Rating Date	Jul-7-2021	Jul-7-2021	Jul-21-2021
Part Rated	PLOT -	PLOT -	PLOT -
Rating Type	CONTROL	CONTROL	CONTROL
Rating Unit/Min/Max	%VISUAL 0	%VISUAL 0	%VISUAL 0
	100	100	100
Number of Subsamples	1	1	1
Data Entry Date	Jul-8-2021	Jul-8-2021	Jul-23-2021
Days After First/Last Applic.	44 14	44 14	58 28
Trt-Eval Interval	14 DA-B	14 DA-B	28 DA-B
Days After Emergence	28 DE-1	28 DE-1	42 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	5*	6*	7*	8*
1	NTC				0 c	0	0 -	0 c
2	Dual II Magnum			A	68 ab	95 -	0 -	80 ab
	Liberty	0.585 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
3	Dual II Magnum			A	73 a	95 -	0 -	80 ab
	Liberty	0.585 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
4	Dual II Magnum			A	75 a	87 -	0 -	78 ab
	Liberty	0.585 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
5	Dual II Magnum			A	77 a	82 -	0 -	83 a
	Engenia	0.5 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
6	Dual II Magnum			A	70 ab	82 -	0 -	75 b
	Engenia	0.5 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
7	Dual II Magnum			A	70 ab	93 -	0 -	80 ab
	Engenia	0.5 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	CONSS	ECHSS
Pest Name	common water he>	Morningglory	Barnyardgrass
Crop Type, Code			C GLXMA
Crop Name			Soybean
Rating Date	Jul-7-2021	Jul-7-2021	Jul-21-2021
Part Rated	PLOT -	PLOT -	PLANT -
Rating Type	CONTROL	CONTROL	PHYGEN CONTROL
Rating Unit/Min/Max	%VISUAL 0	%VISUAL 0	%VISUAL 0
	100	100	100
Number of Subsamples	1	1	1
Data Entry Date	Jul-8-2021	Jul-8-2021	Jul-23-2021
Days After First/Last Applic.	44 14	44 14	58 28
Trt-Eval Interval	14 DA-B	14 DA-B	28 DA-B
Days After Emergence	28 DE-1	28 DE-1	42 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	5*	6*	7*	8*
8	Dual II Magnum			A	72 ab	82 -	0 -	83 a
	Engenia	0.5 lb ai/a		B				
	Python	0.00625 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
9	Dual II Magnum			A	70 ab	78 -	0 -	75 b
	Classic	0.0078 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
10	Dual II Magnum			A	63 b	75 -	0 -	75 b
	FirstRate	0.021 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
	LSD P=.05				5.8	12.9	.	4.9
	Standard Deviation				3.4	7.5	0.0	2.8
	CV				5.31	8.75	0.0	4.0
	Levene's F^				0.634	0.459	.	1.147
	Levene's Prob(F)				0.755	0.869	.	0.378
	Skewness^				0.1036	-0.0734	.	-0.2754
	Kurtosis^				0.0167	0.2644	.	0.969
	Replicate F				1.161	0.515	0.000	0.310
	Replicate Prob(F)				0.3355	0.6073	1.0000	0.7370
	Treatment F				135.008	3.017	0.000	235.448
	Treatment Prob(F)				0.0001	0.0287	1.0000	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMATA	CONSS
Pest Name	Giant ragweed	common lambsqua	common water he	Morningglory
Crop Type, Code				
Crop Name				
Rating Date	Jul-21-2021	Jul-21-2021	Jul-21-2021	Jul-21-2021
Part Rated	PLOT -	PLOT -	PLOT -	PLOT -
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit/Min/Max	%VISUAL 0	%VISUAL 0 100	%VISUAL 0	%VISUAL 0
	100		100	100
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-23-2021	Jul-23-2021	Jul-23-2021	Jul-23-2021
Days After First/Last Applic.	58 28	58 28	58 28	58 28
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Days After Emergence	42 DE-1	42 DE-1	42 DE-1	42 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	9*	10*	11*	12*
1	NTC				0 b	0	0	0
2	Dual II Magnum			A	88 a	60 b	62 bc	88 -
	Liberty	0.585 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
3	Dual II Magnum			A	83 a	65 b	65 abc	90 -
	Liberty	0.585 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
4	Dual II Magnum			A	93 a	65 b	63 abc	87 -
	Liberty	0.585 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Dual II Magnum			B				
	Ammonium Sulfate			B				
5	Dual II Magnum			A	93 a	82 a	75 a	80 -
	Engenia	0.5 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
6	Dual II Magnum			A	85 a	63 b	67 abc	78 -
	Engenia	0.5 lb ai/a		B				
	FirstRate	0.021 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
7	Dual II Magnum			A	87 a	77 a	68 abc	95 -
	Engenia	0.5 lb ai/a		B				
	Classic	0.0078 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMATA	CONSS
Pest Name	Giant ragweed	common lambsqua	common water he	Morningglory
Crop Type, Code				
Crop Name				
Rating Date	Jul-21-2021	Jul-21-2021	Jul-21-2021	Jul-21-2021
Part Rated	PLOT -	PLOT -	PLOT -	PLOT -
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit/Min/Max	%VISUAL 0 100	%VISUAL 0 100	%VISUAL 0 100	%VISUAL 0 100
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-23-2021	Jul-23-2021	Jul-23-2021	Jul-23-2021
Days After First/Last Applic.	58 28	58 28	58 28	58 28
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Days After Emergence	42 DE-1	42 DE-1	42 DE-1	42 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	9*	10*	11*	12*
8	Dual II Magnum			A	95 a	85 a	73 ab	80 -
	Engenia	0.5 lb ai/a		B				
	Python	0.00625 lb ai/a		B				
	Roundup Powermax	1.38 lb ai/a		B				
	Dual II Magnum			B				
	On Target			B				
	Volt Edge			B				
9	Dual II Magnum			A	73 a	53 b	58 c	73 -
	Classic	0.0078 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
10	Dual II Magnum			A	85 a	53 b	60 c	77 -
	FirstRate	0.021 lb ai/a		B				
	Assure II	0.0825 lb ai/a		B				
	Reflex	0.25 lb ai/a		B				
	Ammonium Sulfate			B				
	COC			B				
	LSD P=.05				19.1	8.3	8.0	13.9
	Standard Deviation				11.2	4.8	4.6	8.0
	CV				14.24	7.12	7.04	9.66
	Levene's F^				0.367	0.836	0.61	0.235
	Levene's Prob(F)				0.937	0.584	0.758	0.979
	Skewness^				0.3206	0.0726	-0.3184	0.4555
	Kurtosis^				-0.4457	0.5274	0.1997	-0.5243
	Replicate F				1.655	3.695	0.173	0.402
	Replicate Prob(F)				0.2188	0.0479	0.8427	0.6755
	Treatment F				19.226	17.706	4.584	2.373
	Treatment Prob(F)				0.0001	0.0001	0.0047	0.0672

The Ohio State University

AMVAC Postemergence Herbicides for Soybean Weed Control

Trial ID: 21AMVACPOS Location: Western Branch Ent W-1 Trial Year: 2021
Protocol ID: 21C13H115 Investigator (Creator): Dr. Mark M. Loux
Project ID: Study Director:
Sponsor Contact:

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

ECHSS, Echinochloa sp., Barnyardgrass = US
AMBTR, Ambrosia trifida, Giant ragweed = US
CHEAL, Chenopodium album, common lambsquarters = US
AMATA, Amaranthus x tamariscinus, common water hemp = US
CONSS, Convolvulus sp., Morningglory = US

Crop Type, Code

C = EPPPO species (Bayer) codes
GLXMA, BSOY, Glycine max, Soybean = US

Part Rated

PLANT = plant

PLOT = plot

Rating Type

PHYGEN = phytotoxicity - general / injury