

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

General Trial Information

Study Director: Dr. Mark M. Loux

Discipline: H herbicide
Trial Status: E established

ARM Trial Created On: Mar-30-2021
Initiation Date: Apr-27-2021

Trial Location

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

Latitude of LL Corner °: 39.85696 N
Longitude of LL Corner °: -83.67013 W
Altitude of LL Corner: 1101.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Study Rules: Default

No.	Guideline	Discipline	Description
1.	ADM-C-PUB CO		Confidentiality - Public Trial - No Secrecy Agreement Required

Contacts

Role: STYDIR study director
Study Director: Dr. Mark M. Loux

Crop Description

Crop 1: C	ZEAMX Zea mays	Corn	BBCH Scale: BCOR
Entry Date:	May-3-2021	Stage Scale:	BBCH
Variety:	SCS1111Q		
Attributes:	Glyphosate-R, Glufosinate-R		
Planting Date:	Apr-27-2021	Planting Rate:	32097 S/A
Depth:	2 IN	Planting Method:	PLANTD planted
Rows per Plot:	4	Planting Equipment:	FPP finger pickup planter
Row Spacing:	30 IN	Seed Bed:	MEDIUM medium
Soil Temperature:	63 F	Soil Moisture:	SLIDRY slightly dry
Emergence Date:	May-14-2021	Harvest Equipment:	Kincaid 8XP
Harvest Date:	Oct-11-2021	Harvested Width:	5 FT
Moisture Meter:	Harvest Master	Harvested Length:	30 FT
% Standard Moisture:	15.5		
Weighing Equipment:	Harvest Master HM800		

Pest Description

Pest 1 Type: W	Code: SETFA	Setaria faberi	Entry Date: Jun-2-2021
	Common Name:	Giant foxtail	Stage Scale: BBCH
	Attributes:	Natural population	
Pest 2 Type: W	Code: AMBTR	Ambrosia trifida	Entry Date: Jun-2-2021
	Common Name:	Giant ragweed	Stage Scale: BBCH
	Attributes:	Natural population	
Pest 3 Type: W	Code: CHEAL	Chenopodium album	Entry Date: Jun-2-2021
	Common Name:	common lambsquarters	Stage Scale: BBCH
	Attributes:	Natural population	
Pest 4 Type: W	Code: AMARE	Amaranthus retroflexus	Entry Date: Jun-2-2021
	Common Name:	Redroot pigweed	Stage Scale: BBCH
	Attributes:	Natural population	
Pest 5 Type: W	Code: ABUTH	Abutilon theophrasti	Entry Date: Jun-2-2021
	Common Name:	velvetleaf	Stage Scale: BBCH
	Attributes:	Natural population	
Pest 6 Type: W	Code: POLPY	Persicaria pensylvanica	Entry Date: Jun-2-2021
	Common Name:	annual smartweed	Stage Scale: BBCH
	Attributes:	Natural population	

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Site and Design

Treated Plot Width: 6.67 FT Site Type: FIELD field
 Treated Plot Length: 30 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 200.1 FT² Treatments: 10 Tillage Type: CONTIL conventional-till
 Replications: 4 Study Design: RACOBL Randomized Complete Block (RCB)

Previous

No. Crop Year
 1. SOYBEAN 2020

Soil Description

Description Name: Big E
 % Sand: 44 % OM: 3.1 Texture: SICL silty clay loam
 % Silt: 45 pH: 6.6 Soil Name: Kokomo
 % Clay: 11 CEC: 15 Fert. Level: G good
 g o o d

Application Description

	A	B	C
Application Date	Apr-28-2021	May-27-2021	Jun-6-2021
Appl. Start Time	8:00 AM	8:00 AM	10:00 AM
Appl. Stop Time	8:30 AM	8:30 AM	10:30 AM
Application Method	NONINC	SPRAY	SPRAY
Application Timing	PREPRE	POSPOS	POSPOS
Application Placement	BROSOIL	BROADC	BROADC
Applied By	ACKLEY	Essman	Ackley
Appl. Entry Date	May-3-2021	Jun-2-2021	Jun-7-2021
Air Temperature Start, Stop	67.7 68.8 F	66 64 F	83 83 F
% Relative Humidity Start, Stop	63 70	79 80	56 56
Wind Velocity+Dir. Start	8 MPH WSW	6 MPH ENE	5 MPH SSW
Wind Velocity+Dir. Stop	8 MPH WSW	6 MPH ENE	5 MPH SSW
Wind Velocity+Dir. Max	9.2 MPH WSW	7 MPH ENE	5 MPH SSW
Wet Leaves (Y/N)	N no	Y yes	N no
Soil Temperature	58 F	63 F	67 F
Soil Moisture	DRY	WET	dry
Soil Surface Condition	MEDIUM	MEDIUM	MEDIUM
% Cloud Cover	60	5	60
Next Moisture Occurred On	Apr-28-2021	May-28-2021	Jun-7-2021
Time to Next Moisture	11.5 HR	1.0 DAY	22.0 HR
Moisture 6 Hours after Appl.	0 IN	0 IN	0 IN
Moisture 1 Week after Appl.	1.1 IN	0.76 IN	0.48 IN

Protocol Application Directions:

One to two application per plot/Three application timings.

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Days after Emergence	-16		13		23	
Stage Majority, Percent	00	100	13	100	15	100
Height Average			7	IN	12	IN
Height Minimum, Maximum			5	8	11	13

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Pest Stage At Each Application

	A			B			C		
Pest 1 Code, Type, Scale	SETFA	W	BBCH	SETFA	W	BBCH	SETFA	W	BBCH
Stage Majority, Percent				13		90	15		80
Stage Minimum, Percent				11		10	13		10
Stage Maximum, Percent				13		90	15		80
Height Average				3		IN	8		IN
Height Minimum, Maximum				1		5	6		10
Density Average							8		PLA/m2
Density Minimum, Maximum							12		92
Pest 2 Code, Type, Scale	AMBTR	W	BBCH	AMBTR	W	BBCH	AMBTR	W	BBCH
Stage Majority, Percent				14		80	19		80
Stage Minimum, Percent				12		10	14		10
Stage Maximum, Percent				16		10	19		80
Height Average				3		IN			
Height Minimum, Maximum				2		6			
Density Average							18		PLA/m2
Density Minimum, Maximum							4		48
Pest 3 Code, Type, Scale	CHEAL	W	BBCH	CHEAL	W	BBCH	CHEAL	W	BBCH
Stage Majority, Percent				16		60	16		80
Stage Minimum, Percent				12		10	14		10
Stage Maximum, Percent				18		20	18		10
Height Average				1		IN	3		IN
Height Minimum, Maximum				1		2	2		3
Pest 4 Code, Type, Scale	AMARE	W	BBCH	AMARE	W	BBCH	AMARE	W	BBCH
Stage Majority, Percent	14		80	14		80	16		80
Stage Minimum, Percent	12		10	12		10	14		10
Stage Maximum, Percent	16		10	16		10	18		10
Height Average	0.5		IN	0.5		IN	2		IN
Height Minimum, Maximum	0.5		1	0.5		1	1		2
Pest 5 Code, Type, Scale	ABUTH	W	BBCH	ABUTH	W	BBCH	ABUTH	W	BBCH
Stage Majority, Percent				12		100	14		80
Stage Minimum, Percent							12		10
Stage Maximum, Percent							14		80
Height Average				0.5		IN	3		IN
Height Minimum, Maximum				0.5		1	2		3
Pest 6 Code, Type, Scale	POLPY	W	BBCH	POLPY	W	BBCH	POLPY	W	BBCH
Stage Majority, Percent				13		80	14		80
Stage Minimum, Percent				12		10	13		10
Stage Maximum, Percent				14		10	14		80
Height Average				2		IN	3		IN
Height Minimum, Maximum				1		2	2		3
Pest 7 Code, Type, Scale	BBCH			BBCH					

Application Equipment

	A			B			C		
Appl. Equipment	6'	TTI		10'	AIXR		10'	AIXR	
Equipment Type	BACCAI			BACCAI			BACCAI		
Operation Pressure	44	PSI		44	PSI		44	PSI	
Nozzle Model	1110015			110015			110015		
Nozzle Type	TTI			AI XR			AI XR		
Nozzle TradeName	TeeJet			TeeJet			TeeJet		
Nozzle Tip Size, Color	015	green		05	green		015	green	
Nozzle Spacing	18	IN		18	IN		18	IN	
Boom Length	6.67	FT		10	FT		10	FT	
Boom Height	20	IN		20	IN		20	IN	
Ground Speed	3	MPH		3	MPH		3	MPH	
Carrier	WATER			WATER			WATER		
Water Hardness (ppm CaCO3)				250			250		
Application Amount	15	GAL/AC		15	GAL/AC		15	GAL/AC	
Mix Overage				25	mL		25	mL	
Mix Size	1	L		2	L		2	L	
Spray pH				7.8			7.8		
Propellant	COMCO2			COMCO2			COMCO2		
Tank Mix (Y/N)				Y	yes		Y	yes	

Notes

Context	Date	By	Notes
STATUS	Mar-30-2021	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	May-3-2021	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.

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 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type W Weed
 Pest Code SETFA
 Pest Scientific Name *Setaria faberi*

Pest Name Giant foxtail

Crop Type, Code	C ZEAM02	C ZEAM02	C ZEAM02	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays subsp.>	Zea mays subsp.>	Zea mays subsp.>	
Crop Name	Corn, BT/Roundu>	Corn, BT/Roundu>	Corn, BT/Roundu>	
Rating Date	Jun-4-2021	Jun-4-2021	Jun-4-2021	Jun-4-2021
Part Rated	PLANT C	PLANT C	PLANT C	- P
Rating Type	PHYSTU	PHYCHL	PHYNEC	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100
Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-7-2021	Jun-7-2021	Jun-7-2021	Jun-7-2021
Days After First/Last Applic.	37 8	37 8	37 8	37 8
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1
ARM Action Codes		ET3	ET9	AS
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4* dAS
1	ACURON HERBICIDE	3 pt/a		B	0 -	0 -	0 c	0 b
2	ROUNDUP POWER MAX(AE)	1 qt/a		B	0 -	0 -	2 ab	90 a
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
3	HALEX GT	2 qt/a		B	0 -	1	2 ab	97 a
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
4	ARMEZON PRO	24 fl oz/a		B	0 -	0 -	2 ab	100 a
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
5	RESICORE	44 fl oz/a		B	0 -	0 -	2 ab	99 a
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	2 ab	96 a
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	2 a	100 a
	AATREX	0.75 lb ai/a		B				
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
8	ACURON HERBICIDE	1.5 qt/a		A	0 -	0 -	1 bc	96 a
	ACURON HERBICIDE	1.5 qt/a		C				
	ROUNDUP POWER MAX(AE)	1 qt/a		C				
	INDUCE	0.25 % v/v		C				
	DRY AMMONIUM SULFATE	3 lb/a		C				
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	0 -	0 -	0	65 a
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
	ROUNDUP POWER MAX(AE)	1 qt/a		C				
	INDUCE	0.25 % v/v		C				
	DRY AMMONIUM SULFATE	3 lb/a		C				

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Pest Type W Weed
 Pest Code SETFA
 Pest Scientific Name *Setaria faberi*

Pest Name Giant foxtail

Crop Type, Code C ZEAM02 C ZEAM02 C ZEAM02
 BBCH Scale BCOR BCOR BCOR
 Crop Scientific Name Zea mays subsp.> Zea mays subsp.> Zea mays subsp.>
 Crop Name Corn, BT/Roundu> Corn, BT/Roundu> Corn, BT/Roundu>

Rating Date Jun-4-2021 Jun-4-2021 Jun-4-2021 Jun-4-2021
 Part Rated PLANT C PLANT C PLANT C - P
 Rating Type PHYSTU PHYCHL PHYNEC CONTRO
 Rating Unit/Min/Max % 0 100 % 0 100 % 0 100 % 0
 100

Sample Size
 Number of Subsamples 1 1 1 1
 Data Entry Date Jun-7-2021 Jun-7-2021 Jun-7-2021 Jun-7-2021
 Days After First/Last Applic. 37 8 37 8 37 8 37 8
 Trt-Eval Interval -2 DA-C -2 DA-C -2 DA-C -2 DA-C
 Plant-Eval Interval 38 DP-1 38 DP-1 38 DP-1 38 DP-1
 Days After Emergence 21 DE-1 21 DE-1 21 DE-1 21 DE-1
 ARM Action Codes ET3 ET9 AS
 Number of Decimals 0 0 0 0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	1*	2*	3*	4* dAS
10	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	A	0 -	0 -	2 ab	77 a
	AATREX	0.5 lb ai/a	A	A				
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C	C				
	AATREX	0.5 lb ai/a	C	C				
	ROUNDUP POWER MAX(AE)	1 qt/a	C	C				
	INDUCE	0.25 % v/v	C	C				
	DRY AMMONIUM SULFATE	3 lb/a	C	C				
	LSD P=.05				.	.	1.0	21.3 - 23.0
	Standard Deviation				0.0	0.0	0.7	0.8t
	CV				0.0	0.0	48.38	9.71t
	Levene's F^				.	.	0.49	1.338
	Levene's Prob(F)				.	.	0.853	0.259
	Skewness^				.	.	-0.5203	-1.1991*
	Kurtosis^				.	.	-0.0264	5.049*
	Replicate F				0.000	0.000	3.943	2.496
	Replicate Prob(F)				1.0000	1.0000	0.0203	0.0811
	Treatment F				0.000	0.000	4.450	46.404
	Treatment Prob(F)				1.0000	1.0000	0.0021	0.0001

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 Project ID: 201510
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Location:
 Trial Year: 2021

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	CHEAL	AMARE
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed
Crop Type, Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jun-4-2021	Jun-4-2021	Jun-4-2021	Jun-4-2021
Part Rated	- P	- P	- P	- P
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100
Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-7-2021	Jun-7-2021	Jun-7-2021	Jun-7-2021
Days After First/Last Applic.	37 8	37 8	37 8	37 8
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1
ARM Action Codes	AS	AA		
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	5* dAS	6* dAA	7*	8*
1					0 b	0 d	0 b	0 -
2	ACURON HERBICIDE	3 pt/a		B	90 a	69 abc	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
3	HALEX GT	2 qt/a		B	97 a	69 abc	98 a	100 -
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
4	ARMEZON PRO	24 fl oz/a		B	100 a	75 ab	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
5	RESICORE	44 fl oz/a		B	99 a	87 a	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	96 a	79 ab	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	100 a	87 a	100 a	100 -
	AATREX	0.75 lb ai/a		B				
	ROUNDUP POWER MAX(AE)	1 qt/a		B				
	INDUCE	0.25 % v/v		B				
	DRY AMMONIUM SULFATE	3 lb/a		B				
8	ACURON HERBICIDE	1.5 qt/a		A	96 a	63 abc	100 a	100 -
	ACURON HERBICIDE	1.5 qt/a		C				
	ROUNDUP POWER MAX(AE)	1 qt/a		C				
	INDUCE	0.25 % v/v		C				
	DRY AMMONIUM SULFATE	3 lb/a		C				
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	65 a	42 c	90 a	100 -
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
	ROUNDUP POWER MAX(AE)	1 qt/a		C				
	INDUCE	0.25 % v/v		C				
	DRY AMMONIUM SULFATE	3 lb/a		C				

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Pest Code	ECHCG	AMBTR	CHEAL	AMARE			
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>			
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed			
Crop Type, Code							
BBCH Scale							
Crop Scientific Name							
Crop Name							
Rating Date	Jun-4-2021	Jun-4-2021	Jun-4-2021	Jun-4-2021			
Part Rated	- P	- P	- P	- P			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100			
Sample Size							
Number of Subsamples	1	1	1	1			
Data Entry Date	Jun-7-2021	Jun-7-2021	Jun-7-2021	Jun-7-2021			
Days After First/Last Applic.	37 8	37 8	37 8	37 8			
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C			
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1			
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1			
ARM Action Codes	AS	AA					
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	5* dAS	6* dAA	7*	8*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	77 a	57 bc	94 a	100 -
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05				21.3 - 23.0	15.9 - 19.9	8.6	.
Standard Deviation				0.8t	7.9t	5.9	0.0
CV				9.71t	15.39t	6.74	0.0
Levene's F^				1.338	1.485	1.242	.
Levene's Prob(F)				0.259	0.198	0.308	.
Skewness^				-1.1991*	0.0725	-1.3561*	.
Kurtosis^				5.049*	-0.1284	3.8363*	.
Replicate F				2.496	3.953	1.863	0.000
Replicate Prob(F)				0.0811	0.0185	0.1597	1.0000
Treatment F				46.404	25.747	110.183	0.000
Treatment Prob(F)				0.0001	0.0001	0.0001	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).

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* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,11,15,16,17,18,19,24,29,34 because error mean square = 0.

^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Location:
 Trial Year: 2021

Pest Type: W Weed
 Pest Code: SETFA
 Pest Scientific Name: Setaria faberi

Pest Name: Giant foxtail

Crop Type, Code	C ZEAM02	C ZEAM02	C ZEAM02	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays subsp.>	Zea mays subsp.>	Zea mays subsp.>	
Crop Name	Corn, BT/Roundu>	Corn, BT/Roundu>	Corn, BT/Roundu>	
Rating Date	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021
Part Rated	PLANT C	PLANT C	PLANT C	- P
Rating Type	PHYSTU	PHYCHL	PHYNEC	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100

Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-15-2021	Jun-15-2021	Jun-15-2021	Jun-15-2021
Days After First/Last Applic.	47 8	47 8	47 8	47 8
Trt-Eval Interval	8 DA-C	8 DA-C	8 DA-C	8 DA-C
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	31 DE-1
ARM Action Codes				ET6
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	9*	10*	11*	12*
1				0 -	0 -	0 -	0 b
2 ACURON HERBICIDE	3 pt/a		B	0 -	0 -	0 -	97 a
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
3 HALEX GT	2 qt/a		B	0 -	0 -	0 -	99 a
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
4 ARMEZON PRO	24 fl oz/a		B	0 -	0 -	0 -	100 a
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
5 RESICORE	44 fl oz/a		B	0 -	0 -	0 -	100 a
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
6 V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	0 -	94
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
7 V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	0 -	100 a
AATREX	0.75 lb ai/a		B				
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
8 ACURON HERBICIDE	1.5 qt/a		A	0 -	0 -	0 -	100 a
ACURON HERBICIDE	1.5 qt/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
9 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	0 -	0 -	0 -	100 a
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type W Weed
 Pest Code SETFA
 Pest Scientific Name Setaria faberi

Pest Name Giant foxtail

Crop Type, Code	C ZEAM02	C ZEAM02	C ZEAM02	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays subsp.>	Zea mays subsp.>	Zea mays subsp.>	
Crop Name	Corn, BT/Roundu>	Corn, BT/Roundu>	Corn, BT/Roundu>	
Rating Date	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021
Part Rated	PLANT C	PLANT C	PLANT C	- P
Rating Type	PHYSTU	PHYCHL	PHYNEC	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0

Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-15-2021	Jun-15-2021	Jun-15-2021	Jun-15-2021
Days After First/Last Applic.	47 8	47 8	47 8	47 8
Trt-Eval Interval	8 DA-C	8 DA-C	8 DA-C	8 DA-C
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	31 DE-1
ARM Action Codes				ET6
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	9*	10*	11*	12*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	0 -	0 -	0 -	100 a
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05				.	.	.	2.4
Standard Deviation				0.0	0.0	0.0	1.6
CV				0.0	0.0	0.0	1.87
Levene's F^				.	.	.	1.052
Levene's Prob(F)				.	.	.	0.424
Skewness^				.	.	.	-1.659*
Kurtosis^				.	.	.	7.259*
Replicate F				0.000	0.000	0.000	3.110
Replicate Prob(F)				1.0000	1.0000	1.0000	0.0452
Treatment F				0.000	0.000	0.000	1617.859
Treatment Prob(F)				1.0000	1.0000	1.0000	0.0001

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510

Location: Trial Year: 2021
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed		
Pest Code	ECHCG	AMBTR	CHEAL	AMARE		
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>		
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed		
Crop Type, Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021		
Part Rated	- P	- P	- P	- P		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100		
Sample Size						
Number of Subsamples	1	1	1	1		
Data Entry Date	Jun-15-2021	Jun-15-2021	Jun-15-2021	Jun-15-2021		
Days After First/Last Applic.	47 8	47 8	47 8	47 8		
Trt-Eval Interval	8 DA-C	8 DA-C	8 DA-C	8 DA-C		
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1		
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	31 DE-1		
ARM Action Codes		AA				
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	13*	14* dAA	15*	16*

1			0 b	0 c	0 -	0 -
2	ACURON HERBICIDE	3 pt/a	B	97 a	80 ab	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
3	HALEX GT	2 qt/a	B	99 a	63 b	100 -
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
4	ARMEZON PRO	24 fl oz/a	B	77 a	63 b	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
5	RESICORE	44 fl oz/a	B	100 a	84 ab	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	94 a	63 b	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	100 a	85 ab	100 -
	AATREX	0.75 lb ai/a	B			
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
8	ACURON HERBICIDE	1.5 qt/a	A	100 a	96 a	100 -
	ACURON HERBICIDE	1.5 qt/a	C			
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	95 a	93 a	100 -
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C			
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			

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^Calculated from residual.

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed		
Pest Code	ECHCG	AMBTR	CHEAL	AMARE		
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>		
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed		
Crop Type, Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021		
Part Rated	- P	- P	- P	- P		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100		
Sample Size						
Number of Subsamples	1	1	1	1		
Data Entry Date	Jun-15-2021	Jun-15-2021	Jun-15-2021	Jun-15-2021		
Days After First/Last Applic.	47 8	47 8	47 8	47 8		
Trt-Eval Interval	8 DA-C	8 DA-C	8 DA-C	8 DA-C		
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1		
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	31 DE-1		
ARM Action Codes		AA				
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	13*	14* dAA	15*	16*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	93 a	97 a	100 -	100 -
AATREX	0.5 lb ai/a	A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C				
AATREX	0.5 lb ai/a	C				
ROUNDUP POWER MAX(AE)	1 qt/a	C				
INDUCE	0.25 % v/v	C				
DRY AMMONIUM SULFATE	3 lb/a	C				
LSD P=.05			22.6	11.1 - 19.3	.	.
Standard Deviation			15.6	8.7t	0.0	0.0
CV			18.25	14.7t	0.0	0.0
Levene's F^			0.681	1.268	.	.
Levene's Prob(F)			0.72	0.294	.	.
Skewness^			-2.6247*	-0.1121	.	.
Kurtosis^			12.7*	0.4457	.	.
Replicate F			0.894	0.705	0.000	0.000
Replicate Prob(F)			0.4567	0.5572	1.0000	1.0000
Treatment F			15.597	28.933	0.000	0.000
Treatment Prob(F)			0.0001	0.0001	1.0000	1.0000

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Location:
 Trial Year: 2021

Pest Type: W Weed
 Pest Code: SETFA
 Pest Scientific Name: Setaria faberi

Pest Name: Giant foxtail

Crop Type, Code	C ZEAM02	C ZEAM02	C ZEAM02	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays subsp.>	Zea mays subsp.>	Zea mays subsp.>	
Crop Name	Corn, BT/Roundu>	Corn, BT/Roundu>	Corn, BT/Roundu>	
Rating Date	Jun-23-2021	Jun-23-2021	Jun-23-2021	Jun-23-2021
Part Rated	PLANT C	PLANT C	PLANT C	- P
Rating Type	PHYSTU	PHYCHL	PHYNEC	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100

Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-24-2021	Jun-24-2021	Jun-24-2021	Jun-24-2021
Days After First/Last Applic.	56 17	56 17	56 17	56 17
Trt-Eval Interval	17 DA-C	17 DA-C	17 DA-C	17 DA-C
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	17*	18*	19*	20*
1				0 -	0 -	0 -	0 c
2 ACURON HERBICIDE	3 pt/a		B	0 -	0 -	0 -	92 ab
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
3 HALEX GT	2 qt/a		B	0 -	0 -	0 -	98 a
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
4 ARMEZON PRO	24 fl oz/a		B	0 -	0 -	0 -	100 a
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
5 RESICORE	44 fl oz/a		B	0 -	0 -	0 -	98 a
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
6 V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	0 -	85 b
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
7 V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		B	0 -	0 -	0 -	95 a
AATREX	0.75 lb ai/a		B				
ROUNDUP POWER MAX(AE)	1 qt/a		B				
INDUCE	0.25 % v/v		B				
DRY AMMONIUM SULFATE	3 lb/a		B				
8 ACURON HERBICIDE	1.5 qt/a		A	0 -	0 -	0 -	100 a
ACURON HERBICIDE	1.5 qt/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
9 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	0 -	0 -	0 -	100 a
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type W Weed
 Pest Code SETFA
 Pest Scientific Name *Setaria faberi*

Pest Name Giant foxtail

Crop Type, Code	C ZEAM02	C ZEAM02	C ZEAM02	
BBCH Scale	BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays subsp.>	Zea mays subsp.>	Zea mays subsp.>	
Crop Name	Corn, BT/Roundu>	Corn, BT/Roundu>	Corn, BT/Roundu>	
Rating Date	Jun-23-2021	Jun-23-2021	Jun-23-2021	Jun-23-2021
Part Rated	PLANT C	PLANT C	PLANT C	- P
Rating Type	PHYSTU	PHYCHL	PHYNEC	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0

Sample Size				
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-24-2021	Jun-24-2021	Jun-24-2021	Jun-24-2021
Days After First/Last Applic.	56 17	56 17	56 17	56 17
Trt-Eval Interval	17 DA-C	17 DA-C	17 DA-C	17 DA-C
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	17*	18*	19*	20*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	0 -	0 -	0 -	100 a
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05				.	.	.	7.2
Standard Deviation				0.0	0.0	0.0	5.0
CV				0.0	0.0	0.0	5.71
Levene's F^				.	.	.	3.456
Levene's Prob(F)				.	.	.	0.005*
Skewness^				.	.	.	-0.728
Kurtosis^				.	.	.	3.7803*
Replicate F				0.000	0.000	0.000	1.445
Replicate Prob(F)				1.0000	1.0000	1.0000	0.2517
Treatment F				0.000	0.000	0.000	155.338
Treatment Prob(F)				1.0000	1.0000	1.0000	0.0001

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 * Adjusted means
 Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,11,15,16,17,18,19,24,29,34 because error mean square = 0.
 ^Calculated from residual.
 d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Location:
 Trial Year: 2021

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	ECHCG	AMBTR	CHEAL	AMARE			
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>			
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed			
Crop Type, Code							
BBCH Scale							
Crop Scientific Name							
Crop Name							
Rating Date	Jun-23-2021	Jun-23-2021	Jun-23-2021	Jun-23-2021			
Part Rated	- P	- P	- P	- P			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100			
Sample Size							
Number of Subsamples	1	1	1	1			
Data Entry Date	Jun-24-2021	Jun-24-2021	Jun-24-2021	Jun-24-2021			
Days After First/Last Applic.	56 17	56 17	56 17	56 17			
Trt-Eval Interval	17 DA-C	17 DA-C	17 DA-C	17 DA-C			
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1			
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1			
ARM Action Codes		EC					
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	21*	22*	23*	24*

1				0 c	0	0 b	0 -
2	ACURON HERBICIDE	3 pt/a	B	92 ab	77 ab	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
3	HALEX GT	2 qt/a	B	98 a	63 bc	100 a	100 -
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
4	ARMEZON PRO	24 fl oz/a	B	100 a	58 c	95 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
5	RESICORE	44 fl oz/a	B	98 a	80 a	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	85 b	60 c	100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	95 a	78 ab	100 a	100 -
	AATREX	0.75 lb ai/a	B				
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
8	ACURON HERBICIDE	1.5 qt/a	A	100 a	96 a	100 a	100 -
	ACURON HERBICIDE	1.5 qt/a	C				
	ROUNDUP POWER MAX(AE)	1 qt/a	C				
	INDUCE	0.25 % v/v	C				
	DRY AMMONIUM SULFATE	3 lb/a	C				
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	100 a	93 a	100 a	100 -
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C				
	ROUNDUP POWER MAX(AE)	1 qt/a	C				
	INDUCE	0.25 % v/v	C				
	DRY AMMONIUM SULFATE	3 lb/a	C				

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).

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* Adjusted means

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^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510

Location: Trial Year: 2021
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	ECHCG	AMBTR	CHEAL	AMARE			
Pest Scientific Name	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>			
Pest Name	Common barnyard>	Giant ragweed	common lambsqua>	Redroot pigweed			
Crop Type, Code							
BBCH Scale							
Crop Scientific Name							
Crop Name							
Rating Date	Jun-23-2021	Jun-23-2021	Jun-23-2021	Jun-23-2021			
Part Rated	- P	- P	- P	- P			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100			
Sample Size							
Number of Subsamples	1	1	1	1			
Data Entry Date	Jun-24-2021	Jun-24-2021	Jun-24-2021	Jun-24-2021			
Days After First/Last Applic.	56 17	56 17	56 17	56 17			
Trt-Eval Interval	17 DA-C	17 DA-C	17 DA-C	17 DA-C			
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1			
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1			
ARM Action Codes		EC					
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	21*	22*	23*	24*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	100 a	96 a	100 a	100 -
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05				7.2	13.0	4.6	.
Standard Deviation				4.9	8.9	3.2	0.0
CV				5.7	11.47	3.55	0.0
Levene's F^				3.504	0.44	0.714	.
Levene's Prob(F)				0.005*	0.886	0.692	.
Skewness^				-0.7343	-0.7679	-3.1898*	.
Kurtosis^				3.82*	1.3199	18.1739*	.
Replicate F				1.501	0.820	0.963	0.000
Replicate Prob(F)				0.2368	0.4956	0.4244	1.0000
Treatment F				155.897	11.707	393.881	0.000
Treatment Prob(F)				0.0001	0.0001	0.0001	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).

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* Adjusted means

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^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510

Location: Trial Year: 2021
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed		
Pest Code	SETFA	ECHCG	AMBTR	CHEAL		
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>		
Pest Name	Giant foxtail	Common barnyard>	Giant ragweed	common lambsqua>		
Crop Type, Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	Jul-7-2021	Jul-7-2021	Jul-7-2021	Jul-7-2021		
Part Rated	- P	- P	- P	- P		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100		
Sample Size						
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-12-2021	Jul-12-2021	Jul-12-2021	Jul-12-2021		
Days After First/Last Applic.	70 31	70 31	70 31	70 31		
Trt-Eval Interval	31 DA-C	31 DA-C	31 DA-C	31 DA-C		
Plant-Eval Interval	71 DP-1	71 DP-1	71 DP-1	71 DP-1		
Days After Emergence	54 DE-1	54 DE-1	54 DE-1	54 DE-1		
ARM Action Codes			EC			
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	25*	26*	27*	28*

1			0 c	0 c	0	0 b
2	ACURON HERBICIDE	3 pt/a	B	85 a	88 a	70 ab
	ROUNDUP POWER MAX(AE)	1 qt/a	B			100 a
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
3	HALEX GT	2 qt/a	B	91 a	93 a	49 bc
	INDUCE	0.25 % v/v	B			100 a
	DRY AMMONIUM SULFATE	3 lb/a	B			
4	ARMEZON PRO	24 fl oz/a	B	97 a	97 a	40 c
	ROUNDUP POWER MAX(AE)	1 qt/a	B			99 a
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
5	RESICORE	44 fl oz/a	B	94 a	94 a	75 a
	ROUNDUP POWER MAX(AE)	1 qt/a	B			100 a
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	72 b	75 b	48 bc
	ROUNDUP POWER MAX(AE)	1 qt/a	B			98 a
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	94 a	89 a	79 a
	AATREX	0.75 lb ai/a	B			100 a
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
8	ACURON HERBICIDE	1.5 qt/a	A	100 a	100 a	96 a
	ACURON HERBICIDE	1.5 qt/a	C			100 a
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	100 a	100 a	90 a
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C			100 a
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			

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^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	ECHCG	AMBTR	CHEAL			
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida	Chenopodium alb>			
Pest Name	Giant foxtail	Common barnyard>	Giant ragweed	common lambsqua>			
Crop Type, Code							
BBCH Scale							
Crop Scientific Name							
Crop Name							
Rating Date	Jul-7-2021	Jul-7-2021	Jul-7-2021	Jul-7-2021			
Part Rated	- P	- P	- P	- P			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100			
Sample Size							
Number of Subsamples	1	1	1	1			
Data Entry Date	Jul-12-2021	Jul-12-2021	Jul-12-2021	Jul-12-2021			
Days After First/Last Applic.	70 31	70 31	70 31	70 31			
Trt-Eval Interval	31 DA-C	31 DA-C	31 DA-C	31 DA-C			
Plant-Eval Interval	71 DP-1	71 DP-1	71 DP-1	71 DP-1			
Days After Emergence	54 DE-1	54 DE-1	54 DE-1	54 DE-1			
ARM Action Codes			EC				
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	25*	26*	27*	28*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	100 a	100 a	98 a	100 a
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05				12.6	11.7	19.5	2.4
Standard Deviation				8.7	8.0	13.4	1.7
CV				10.46	9.66	18.7	1.86
Levene's F^				1.448	1.603	0.638	0.73
Levene's Prob(F)				0.213	0.159	0.739	0.678
Skewness^				-0.0628	-0.1684	-0.2364	-2.9204*
Kurtosis^				2.7925*	3.6001*	2.798*	15.1959*
Replicate F				2.297	3.375	0.755	0.800
Replicate Prob(F)				0.1001	0.0328	0.5300	0.5046
Treatment F				49.025	56.717	10.545	1429.092
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

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^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO
 Protocol ID: VUSA2021V10494MD68.05
 Project ID: 201510

Location: Trial Year: 2021
 Investigator (Creator): Dr. Mark M. Loux
 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed		
Pest Code	AMARE	SETFA	ECHCG	AMBTR		
Pest Scientific Name	Amaranthus retr>	Setaria faberi	Echinochloa cru>	Ambrosia trifida		
Pest Name	Redroot pigweed	Giant foxtail	Common barnyard>	Giant ragweed		
Crop Type, Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	Jul-7-2021	Jul-21-2021	Jul-21-2021	Jul-21-2021		
Part Rated	- P	- P	- P	- P		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100		
Sample Size						
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-12-2021	Jul-26-2021	Jul-26-2021	Jul-26-2021		
Days After First/Last Applic.	70 31	84 45	84 45	84 45		
Trt-Eval Interval	31 DA-C	45 DA-C	45 DA-C	45 DA-C		
Plant-Eval Interval	71 DP-1	85 DP-1	85 DP-1	85 DP-1		
Days After Emergence	54 DE-1	68 DE-1	68 DE-1	68 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	29*	30*	31*	32*

1			0 -	0 c	0 c	0 c	
2	ACURON HERBICIDE	3 pt/a	B	100 -	83 ab	88 ab	65 ab
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
3	HALEX GT	2 qt/a	B	100 -	92 ab	92 a	38 b
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
4	ARMEZON PRO	24 fl oz/a	B	100 -	99 a	99 a	33 b
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
5	RESICORE	44 fl oz/a	B	100 -	95 ab	95 a	63 ab
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	100 -	77 b	77 b	48 b
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B	100 -	94 ab	94 a	66 ab
	AATREX	0.75 lb ai/a	B				
	ROUNDUP POWER MAX(AE)	1 qt/a	B				
	INDUCE	0.25 % v/v	B				
	DRY AMMONIUM SULFATE	3 lb/a	B				
8	ACURON HERBICIDE	1.5 qt/a	A	100 -	100 a	100 a	96 a
	ACURON HERBICIDE	1.5 qt/a	C				
	ROUNDUP POWER MAX(AE)	1 qt/a	C				
	INDUCE	0.25 % v/v	C				
	DRY AMMONIUM SULFATE	3 lb/a	C				
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A	100 -	100 a	99 a	92 a
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C				
	ROUNDUP POWER MAX(AE)	1 qt/a	C				
	INDUCE	0.25 % v/v	C				
	DRY AMMONIUM SULFATE	3 lb/a	C				

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).

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^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMARE	SETFA	ECHCG	AMBTR			
Pest Scientific Name	Amaranthus retr>	Setaria faberi	Echinochloa cru>	Ambrosia trifida			
Pest Name	Redroot pigweed	Giant foxtail	Common barnyard>	Giant ragweed			
Crop Type, Code							
BBCH Scale							
Crop Scientific Name							
Crop Name							
Rating Date	Jul-7-2021	Jul-21-2021	Jul-21-2021	Jul-21-2021			
Part Rated	- P	- P	- P	- P			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit/Min/Max	% 0 100	% 0 100	% 0 100	% 0 100			
Sample Size							
Number of Subsamples	1	1	1	1			
Data Entry Date	Jul-12-2021	Jul-26-2021	Jul-26-2021	Jul-26-2021			
Days After First/Last Applic.	70 31	84 45	84 45	84 45			
Trt-Eval Interval	31 DA-C	45 DA-C	45 DA-C	45 DA-C			
Plant-Eval Interval	71 DP-1	85 DP-1	85 DP-1	85 DP-1			
Days After Emergence	54 DE-1	68 DE-1	68 DE-1	68 DE-1			
ARM Action Codes							
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	29*	30*	31*	32*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	100 -	100 a	100 a	98 a
AATREX	0.5 lb ai/a		A				
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C				
AATREX	0.5 lb ai/a		C				
ROUNDUP POWER MAX(AE)	1 qt/a		C				
INDUCE	0.25 % v/v		C				
DRY AMMONIUM SULFATE	3 lb/a		C				
LSD P=.05					12.5	11.4	23.6
Standard Deviation				0.0	8.6	7.8	16.3
CV				0.0	10.3	9.31	27.3
Levene's F^				.	3.43	1.875	1.033
Levene's Prob(F)				.	0.005*	0.095	0.437
Skewness^				.	-0.128	-0.1866	-0.6867
Kurtosis^				.	0.9938	1.8443*	5.1392*
Replicate F				0.000	1.320	1.351	0.332
Replicate Prob(F)				1.0000	0.2883	0.2787	0.8025
Treatment F				0.000	49.760	60.247	14.774
Treatment Prob(F)				1.0000	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,11,15,16,17,18,19,24,29,34 because error mean square = 0.

^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed
Pest Code	CHEAL	AMARE
Pest Scientific Name	Chenopodium alb> Amaranthus retr>	
Pest Name	common Redroot pigweed lambsqua>	

Crop Type, Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	Jul-21-2021	Jul-21-2021
Part Rated	- P	- P
Rating Type	CONTRO	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100
Sample Size		
Number of Subsamples	1	1
Data Entry Date	Jul-26-2021	Jul-26-2021
Days After First/Last Applic.	84 45	84 45
Trt-Eval Interval	45 DA-C	45 DA-C
Plant-Eval Interval	85 DP-1	85 DP-1
Days After Emergence	68 DE-1	68 DE-1
ARM Action Codes		
Number of Decimals	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	33*	34*
1					0 b	0 -
2	ACURON HERBICIDE	3 pt/a	B		100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
3	HALEX GT	2 qt/a	B		100 a	100 -
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
4	ARMEZON PRO	24 fl oz/a	B		98 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
5	RESICORE	44 fl oz/a	B		100 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
6	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B		98 a	100 -
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
7	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	B		100 a	100 -
	AATREX	0.75 lb ai/a	B			
	ROUNDUP POWER MAX(AE)	1 qt/a	B			
	INDUCE	0.25 % v/v	B			
	DRY AMMONIUM SULFATE	3 lb/a	B			
8	ACURON HERBICIDE	1.5 qt/a	A		100 a	100 -
	ACURON HERBICIDE	1.5 qt/a	C			
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			
9	V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a	A		100 a	100 -
	V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a	C			
	ROUNDUP POWER MAX(AE)	1 qt/a	C			
	INDUCE	0.25 % v/v	C			
	DRY AMMONIUM SULFATE	3 lb/a	C			

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
 t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,11,15,16,17,18,19,24,29,34 because error mean square = 0.

^Calculated from residual.

d=Means are reported in de-transformed data units

The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
 Protocol ID: VUSA2021V10494MD68.05 Investigator (Creator): Dr. Mark M. Loux
 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed
Pest Code	CHEAL	AMARE
Pest Scientific Name	Chenopodium alb> Amaranthus retr>	
Pest Name	common Redroot pigweed lambsq>	

Crop Type, Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	Jul-21-2021	Jul-21-2021
Part Rated	- P	- P
Rating Type	CONTRO	CONTRO
Rating Unit/Min/Max	% 0 100	% 0 100
Sample Size		
Number of Subsamples	1	1
Data Entry Date	Jul-26-2021	Jul-26-2021
Days After First/Last Applic.	84 45	84 45
Trt-Eval Interval	45 DA-C	45 DA-C
Plant-Eval Interval	85 DP-1	85 DP-1
Days After Emergence	68 DE-1	68 DE-1
ARM Action Codes		
Number of Decimals	0	0

Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	33*	34*
10 V-10494 2.04 LBAI/GAL SC 2146	18 fl oz/a		A	100 a	100 -
AATREX	0.5 lb ai/a		A		
V-10494 2.04 LBAI/GAL SC 2146	14 fl oz/a		C		
AATREX	0.5 lb ai/a		C		
ROUNDUP POWER MAX(AE)	1 qt/a		C		
INDUCE	0.25 % v/v		C		
DRY AMMONIUM SULFATE	3 lb/a		C		
LSD P=.05				3.1	.
Standard Deviation				2.1	0.0
CV				2.36	0.0
Levene's F^				0.40	.
Levene's Prob(F)				0.925	.
Skewness^				-1.8003*	.
Kurtosis^				5.3789*	.
Replicate F				2.250	0.000
Replicate Prob(F)				0.1053	1.0000
Treatment F				891.000	0.000
Treatment Prob(F)				0.0001	1.0000

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The Ohio State University

POST and Sequential weed control with V10494.Primary/Core PRE soil residual

Trial ID: 21V10494PO Location: Trial Year: 2021
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 Project ID: 201510 Study Director: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

SETFA, Setaria faberi, Giant foxtail = US
 ECHCG, Echinochloa crus-galli, Common barnyard grass = US
 AMBTR, Ambrosia trifida, Giant ragweed = US
 CHEAL, Chenopodium album, common lambsquarters = US
 AMARE, Amaranthus retroflexus, Redroot pigweed = US

Crop Type, Code

C = EPPO species (Bayer) codes

Part Rated

PLANT = plant
 C = Crop is Part Rated
 P = Pest is Part Rated

Rating Type

PHYSTU = phytotoxicity - stunting
 PHYCHL = phytotoxicity - chlorosis
 PHYNEC = phytotoxicity - necrosis /burn
 CONTRO = control / burndown or knockdown

Rating Unit/Min/Max

%, 0, 100 = percent

Plant-Eval Interval

38 DP-1 = 1 ZEAMX Apr-27-2021
 48 DP-1 = 1 ZEAMX Apr-27-2021
 57 DP-1 = 1 ZEAMX Apr-27-2021
 71 DP-1 = 1 ZEAMX Apr-27-2021
 85 DP-1 = 1 ZEAMX Apr-27-2021

ARM Action Codes

ET3 = Excluded treatment 3
 ET9 = Excluded treatment 9
 AS = Automatic square root transformation of X+0.5
 AA = Automatic arcsine square root % transformation
 ET6 = Excluded treatment 6
 EC = Do not analyze untreated check, while still reporting treatment mean on AOV Means Table