

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest Description

Pest 1 Type: W	Code: SETFA	Setaria faberi	Entry Date: May-25-2022
		Common Name: Giant foxtail	Stage Scale: BBCH
Pest 2 Type: W	Code: ECHCG	Echinochloa crus-galli	Entry Date: Jul-6-2022
		Common Name: common barnyardgrass	Stage Scale: BBCH
Pest 3 Type: W	Code: SETLU	Setaria pumila	Entry Date: Jul-6-2022
		Common Name: foxtail, yellow	Stage Scale: BBCH
Pest 4 Type: W	Code: AMBTR	Ambrosia trifida	Entry Date: May-25-2022
		Common Name: Giant ragweed	Stage Scale: BBCH
Pest 5 Type: W	Code: CHEAL	Chenopodium album	Entry Date: May-25-2022
		Common Name: common lambsquarters	Stage Scale: BBCH
Pest 6 Type: W	Code: AMARE	Amaranthus retroflexus	Entry Date: May-25-2022
		Common Name: Redroot pigweed	Stage Scale: BBCH
Pest 7 Type: W	Code: ABUTH	Abutilon theophrasti	Entry Date: May-25-2022
		Common Name: velvetleaf	Stage Scale: BBCH
Pest 8 Type: W	Code: POLPY	Persicaria pensylvanica	Entry Date: May-25-2022
		Common Name: annual smartweed	Stage Scale: BBCH
Pest 9 Type: W	Code: HIBTR	Hibiscus trionum	Entry Date: May-25-2022
		Common Name: Venice mallow	Stage Scale: BBCH
Pest10 Type: W	Code: SIDSP	Sida spinosa	Entry Date: May-25-2022
		Common Name: Prickly sida	Stage Scale: BBCH
Pest11 Type: W	Code: IPOHE	Ipomoea hederacea	Entry Date: Jun-6-2022
		Common Name: ivy-leaf morning glory	Stage Scale: BBCH

Site and Design

Treated Plot Width: 6.67 FT Total Plot Width: 10 FT Site Type: FIELD field
 Treated Plot Length: 30 FT Total Plot Length: 30 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 200.1 FT² Tillage Type: CONTIL conventional-till
 Replications: 4 Treatments: 12 Plots: 48 Study Design: RACOB L Randomized Complete Block (RCB)
 Untreated Arrangement: INCLUDED single control randomized in each block

Previous
 No. Crop Year
 1. GLXMA 2021

Soil Description

Description Name: F-8 East
 % Sand: 37 % OM: 2.7 Texture: L loam
 % Silt: 48 Soil Name: Kokomo
 % Clay: 15 Fert. Level: G good
 pH: 6.0 CEC: 16.9

Application Description

	A	B	C
Application Date	May-2-2022	May-24-2022	Jun-3-2022
Appl. Start Time	4:45 PM	12:45 PM	10:45 AM
Appl. Stop Time	5:15 PM	1:00 AM	10:55 AM
Interval to Prev. Appl.		22 DAYS	10 DAYS
Application Method	SPRAY	SPRAY	SPRAY
Application Timing	PREPRE	EAPOCR	LAPOCR
Application Placement	BROSOL	BROFOL	BROFOL
Applied By	Dobbels	Dobbels	Dobbels
Appl. Entry Date	May-3-2022	May-25-2022	Jun-6-2022
Air Temperature Start, Stop	71, 71 F	68, 68 F	67, 67 F
% Relative Humidity Start, Stop	34, 34	42, 42	52, 52
Wind Velocity+Dir. Start	9.5 MPH, W	10 MPH, NE	4 MPH, W
Wind Velocity+Dir. Stop	9 MPH, W	10 MPH, NE	4 MPH, W
Wind Velocity+Dir. Max	11 MPH, W	10 MPH, NE	4 MPH, W
Wet Leaves (Y/N)	N, no	Y, yes	N, no
Soil Temperature	62 F	69 F	65 F
Soil Moisture	DRY	DRY	DRY
% Cloud Cover	33	25	0
Next Moisture Occurred On	May-3-2022	May-25-2022	Jun-6-2022
Time to Next Moisture	14.0 HR	1.0 DAY	3.0 DAY
Moisture 1 Week after Appl.	2.09 IN	1.23 IN	1.08 IN
Weather Source	WSFIELD	WSFIELD	WSFIELD

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Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale	ZEAMX, BCORZEAMX, BCORZEAMX, BCOR		
Stage Scale Used	BBCH	BBCH	BBCH
Stage Majority, Percent	00, 100	13, 100	15, 100
Height Average		5 IN	17 IN
Height Minimum, Maximum		4.5, 5	13, 17

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, 80	
Stage Minimum, Percent		12, 10	
Stage Maximum, Percent		13, 10	
Height Average		3 IN	
Height Minimum, Maximum		1, 4	
Density Average		96 PLA/m2	
Density Minimum, Maximum		87, 145	
Pest 2 Code, Type, Scale	ECHCG, W, BBCH	ECHCG, W, BBCH	ECHCG, W, BBCH
Density Average		12 PLA/M2	
Density Minimum, Maximum		8, 29	
Pest 3 Code, Type, Scale	SETLU, W, BBCH	SETLU, W, BBCH	SETLU, W, BBCH
Density Average		8 PLA/m2	
Density Minimum, Maximum		3, 10	
Pest 4 Code, Type, Scale	AMBTR, W, BBCH	AMBTR, W, BBCH	AMBTR, W, BBCH
Stage Majority, Percent		12, 80	18, 80
Stage Minimum, Percent		11, 10	18, 10
Stage Maximum, Percent		12, 10	19, 10
Height Average		2 IN	10 IN
Height Minimum, Maximum		1, 2	4, 12
Density Average		13 PLA/M2	3 PLA/M2
Density Minimum, Maximum		8, 15	1, 5
Pest 5 Code, Type, Scale	CHEAL, W, BBCH	CHEAL, W, BBCH	CHEAL, W, BBCH
Stage Majority, Percent		14, 80	18, 80
Stage Minimum, Percent		14, 10	18, 10
Stage Maximum, Percent		16, 10	19, 10
Height Average		0.5 IN	4 IN
Height Minimum, Maximum		0.25, 1	2, 4
Density Average		15 PLA/m2	8 PLA/M2
Density Minimum, Maximum		9, 21	6, 12
Pest 6 Code, Type, Scale	AMARE, W, BBCH	AMARE, W, BBCH	AMARE, W, BBCH
Stage Majority, Percent		12, 80	16, 80
Stage Minimum, Percent		12, 10	14, 20
Stage Maximum, Percent		14, 10	16, 80
Height Average		1 IN	6 IN
Height Minimum, Maximum		0.5, 1.5	4, 8
Density Average		8 PLA/m2	6 PLA/M2
Density Minimum, Maximum		1, 9	2, 8
Pest 7 Code, Type, Scale	ABUTH, W, BBCH	ABUTH, W, BBCH	ABUTH, W, BBCH
Stage Majority, Percent		12, 100	14, 80
Stage Minimum, Percent			14, 10
Stage Maximum, Percent			26, 10
Height Average		1 IN	4 IN
Height Minimum, Maximum		0.5, 1	3, 5
Density Average		1 PLA/M2	1 PLA/M2
Density Minimum, Maximum		0, 3	0, 3
Pest 8 Code, Type, Scale	POLPY, W, BBCH	POLPY, W, BBCH	POLPY, W, BBCH
Stage Majority, Percent		12, 100	
Height Average		1 IN	
Height Minimum, Maximum		0.5, 1	
Density Average		8 PLA/M2	
Density Minimum, Maximum		0, 10	
Pest 9 Code, Type, Scale	HIBTR, W, BBCH	HIBTR, W, BBCH	HIBTR, W, BBCH
Stage Majority, Percent		12, 100	13, 100
Height Average		0.5 IN	3 IN
Height Minimum, Maximum		0.25, 0.5	2, 3
Density Average		6 PLA/M2	15 PLA/M2
Density Minimum, Maximum		4, 20	14, 20
Pest10 Code, Type, Scale	SIDSP, W, BBCH	SIDSP, W, BBCH	SIDSP, W, BBCH
Stage Majority, Percent		10, 100	13, 100
Height Average		1 IN	3 IN
Height Minimum, Maximum		0.5, 1	1, 3
Density Average		5 PLA/M2	10 PLA/M2
Density Minimum, Maximum		1, 8	8, 15
Pest11 Code, Type, Scale	IPOHE, W, BBCH	IPOHE, W, BBCH	IPOHE, W, BBCH
Stage Majority, Percent			11, 100
Diameter Average			2 IN
Diameter Minimum, Maximum			1, 2
Height Average			2 IN
Height Minimum, Maximum			1, 2
Density Average			2 PLA/M2
Density Minimum, Maximum			0, 3

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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	TEEJAI	ARINDH	ARINDH
Nozzle TradeName	Turbo Tee Induction	TeeJet AI XR	TeeJet AI XR
Nozzle Tip Size, Color	015, GREEN	015, green	015, green
Nozzle Spacing	18 IN	18 IN	18 IN
Nozzle Filter Mesh	100	100	100
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	250
Application Amount	15 GAL/AC	15 GAL/AC	15 GAL/AC
Minimum Mix/Treatment	1.0433 L	1.0433 L	1.0433 L
Mix Overage		25 mL	25 mL
Mix Size	1.5 L	2 L	2 L
Spray pH	7.8	7.8	7.8
Propellant	COMCO2	COMCO2	COMCO2
Tank Mix (Y/N)		Y, yes	Y, yes

Pest ID Code		1, W, Weed	4, W, Weed	5, W, Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifida	Chenopodium alb>
Pest Name		Giant foxtail	Giant ragweed	common lambsqua>
Crop ID Code		1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale		BCOR	BCOR	BCOR
Crop Scientific Name		Zea mays	Zea mays	Zea mays
Crop Name		Corn	Corn	Corn
Crop Variety		DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date		May-23-2022	May-23-2022	May-23-2022
SE Group No.		9	10	11
SE Name		ZUSX001	ZUSW001	ZUSW001
SE Description		%PHYTO-GENERAL	%Control	%Control
Part Rated		PLANT, -	PLANT, -	PLANT, -
Rating Type		PHYGEN	CONTRO	CONTRO
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100
Calculation		NC	NC	NC
Sample Size		1 PLOT	1 PLOT	1 PLOT
Collection Basis		1 PLOT	1 PLOT	1 PLOT
Reporting Basis		1 PLOT	1 PLOT	1 PLOT
Number of Subsamples		1	1	1
Data Entry Date		May-26-2022	May-27-2022	May-27-2022
Rating Timing		B0	B0	B0
Days After First/Last Applic.		21, 21	21, 21	21, 21
Trt-Eval Interval		-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval		21 DP-1	21 DP-1	21 DP-1
Days After Emergence		9 DE-1	9 DE-1	9 DE-1
ARM Action Codes				
Number of Decimals		0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	1*	2*	3*	4*
1 CHECK			0-	0c	0b	0-
2 ACURON 3.44 ZC	2900 g ai/ha	A	2-	99a	84a	100-
3 RESICORE 3.29 SC	2540 g ai/ha	A	2-	99a	84a	100-
3 AATREX 4L	840 g ai/ha	A				
4 TRIVOLT	640 g ai/ha	A	1-	100a	85a	100-
4 AATREX 4L	840 g ai/ha	A				
5 MAVERICK CORN HERBICIDE	570 g ai/ha	A	2-	94a	73a	100-
5 AATREX 4L	840 g ai/ha	A				
6 BICEP II MAGNUM	2320 g ai/ha	A	1-	98a	83a	100-
6 AMSOL	2.5 % v/v	B				
6 ACURON GT	2260 g ai/ha	B				
6 AATREX 4L	560 g ai/ha	B				
6 NIS	0.25 % v/v	B				

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Pest ID Code		1, W, Weed	4, W, Weed	5, W, Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifida	Chenopodium alb>
Pest Name		Giant foxtail	Giant ragweed	common lambsqua>
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	May-23-2022	May-23-2022	May-23-2022	May-23-2022
SE Group No.	9	10	11	12
SE Name	ZUSX001	ZUSW001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-26-2022	May-27-2022	May-27-2022	May-27-2022
Rating Timing	B0	B0	B0	B0
Days After First/Last Applic.	21, 21	21, 21	21, 21	21, 21
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	21 DP-1	21 DP-1	21 DP-1	21 DP-1
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	9 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	1*	2*	3*	4*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	1-	96 a	75 a	100-
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	2-	98 a	70 a	100-
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	1-	84 b	69 a	100-
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	0-	0 c	0 b	0-
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	0-	0 c	0 b	0-
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

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Pest ID Code	1, W, Weed	4, W, Weed	5, W, Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium alb>
Pest Name	Giant foxtail	Giant ragweed	common lambsqua>
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	May-23-2022	May-23-2022	May-23-2022
SE Group No.	9	10	11
SE Name	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYGEN	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	May-26-2022	May-27-2022	May-27-2022
Rating Timing	B0	B0	B0
Days After First/Last Applic.	21, 21	21, 21	21, 21
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	21 DP-1	21 DP-1	21 DP-1
Days After Emergence	9 DE-1	9 DE-1	9 DE-1
ARM Action Codes			
Number of Decimals	0	0	0
Trt Treatment	1*	2*	3*
No. Name	Rate Unit	Appl Code	4*
12 AMSOL	2.5% v/v B		
12 RESICORE 3.29 SC	1150g ai/ha B		
12 AATREX 4L	840g ai/ha B		
12 ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha B		
LSD P=.05	1.6	7.2	11.5
Standard Deviation	1.1	5.0	8.0
CV	107.78	7.78	15.42
Grand Mean	1.0	63.9	51.7
Levene's F^	1.223	1.065	0.831
Levene's Prob(F)	0.308	0.415	0.611
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness^	0.4747	-1.9324*	-0.659
Kurtosis^	0.1465	7.4601*	0.1354
Replicate F	1.196	1.365	4.720
Replicate Prob(F)	0.3266	0.2704	0.0075
Treatment F	2.152	363.286	93.610
Treatment Prob(F)	0.0440	0.0001	0.0001

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Pest ID Code	6, W, Weed	7, W, Weed	9, W, Weed	10, W, Weed		
Pest Code	AMARE	ABUTH	HIBTR	SIDSP		
Pest Scientific Name	Amaranthus retr>	Abutilon theoph>	Hibiscus trionum	Sida spinosa		
Pest Name	Redroot pigweed	velvetleaf	Venice mallow	Prickly sida		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	May-23-2022	May-23-2022	May-23-2022	May-23-2022		
SE Group No.	13	14	15	16		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	May-27-2022	May-27-2022	May-27-2022	May-27-2022		
Rating Timing	B0	B0	B0	B0		
Days After First/Last Applic.	21, 21	21, 21	21, 21	21, 21		
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B		
Plant-Eval Interval	21 DP-1	21 DP-1	21 DP-1	21 DP-1		
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	9 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Unit	Appl Code	5*	6*	7*	8*
1 CHECK			0-	0c	0-	0b
2 ACURON 3.44 ZC	2900g ai/ha A		100-	96a	100-	78a
3 RESICORE 3.29 SC	2540g ai/ha A		100-	100a	100-	78a
3 AATREX 4L	840g ai/ha A					
4 TRIVOLT	640g ai/ha A		100-	100a	100-	79a
4 AATREX 4L	840g ai/ha A					
5 MAVERICK CORN HERBICIDE	570g ai/ha A		100-	100a	100-	83a
5 AATREX 4L	840g ai/ha A					
6 BICEP II MAGNUM	2320g ai/ha A		100-	89a	100-	80a
6 AMSOL	2.5% v/v B					
6 ACURON GT	2260g ai/ha B					
6 AATREX 4L	560g ai/ha B					
6 NIS	0.25% v/v B					

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	6, W, Weed	7, W, Weed	9, W, Weed	10, W, Weed
Pest ID Code	6, W, Weed	7, W, Weed	9, W, Weed	10, W, Weed
Pest Code	AMARE	ABUTH	HIBTR	SIDSP
Pest Scientific Name	Amaranthus retr>	Abutilon theoph>	Hibiscus trionum	Sida spinosa
Pest Name	Redroot pigweed	velvetleaf	Venice mallow	Prickly sida
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	May-23-2022	May-23-2022	May-23-2022	May-23-2022
SE Group No.	13	14	15	16
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-27-2022	May-27-2022	May-27-2022	May-27-2022
Rating Timing	B0	B0	B0	B0
Days After First/Last Applic.	21, 21	21, 21	21, 21	21, 21
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	21 DP-1	21 DP-1	21 DP-1	21 DP-1
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	9 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	5*	6*	7*	8*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100-	95 a	100-	71 a
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	100-	78 b	100-	73 a
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100-	89 a	100-	68 a
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	0-	0 c	0-	0 b
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	0-	0 c	0-	0 b
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	6, W, Weed	7, W, Weed	9, W, Weed	10, W, Weed		
Pest Code	AMARE	ABUTH	HIBTR	SIDSP		
Pest Scientific Name	Amaranthus retr>	Abutilon theoph>	Hibiscus trionum	Sida spinosa		
Pest Name	Redroot pigweed	velvetleaf	Venice mallow	Prickly sida		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	May-23-2022	May-23-2022	May-23-2022	May-23-2022		
SE Group No.	13	14	15	16		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	May-27-2022	May-27-2022	May-27-2022	May-27-2022		
Rating Timing	B0	B0	B0	B0		
Days After First/Last Applic.	21, 21	21, 21	21, 21	21, 21		
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B		
Plant-Eval Interval	21 DP-1	21 DP-1	21 DP-1	21 DP-1		
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	9 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Appl	5*	6*	7*	8*
No. Name	Rate Unit	Code				
12AMSOL	2.5% v/v	B	0-	0c	0-	0b
12RESICORE 3.29 SC	1150g ai/ha	B				
12AATREX 4L	840g ai/ha	B				
12ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
LSD P=.05				7.4		11.4
Standard Deviation			0.0	5.2	0.0	7.9
CV			0.0	8.33	0.0	15.59
Grand Mean			66.7	62.1	66.7	50.6
Levene's F^			.	0.994	.	0.922
Levene's Prob(F)			.	0.47	.	0.531
Rank X2		
P(Rank X2)		
Skewness^			.	-0.5193	.	-0.9127*
Kurtosis^			.	1.0286	.	2.3746*
Replicate F			0.000	2.544	0.000	2.441
Replicate Prob(F)			1.0000	0.0730	1.0000	0.0817
Treatment F			0.000	320.253	0.000	90.775
Treatment Prob(F)			1.0000	0.0001	1.0000	0.0001

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code			1, W, Weed	2, W, Weed
Pest Code			SETFA	ECHCG
Pest Scientific Name			Setaria faberi	Echinochloa cru>
Pest Name			Giant foxtail	common barnyard>
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	May-31-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	17	60	18	19
SE Name	ZUSX001	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-6-2022	Jul-6-2022	Jun-8-2022	Jun-8-2022
Rating Timing				
Days After First/Last Applic.	29, 7	36, 4	36, 4	36, 4
Trt-Eval Interval	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	29 DP-1	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	17 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	9*	10*	11*	12*
1 CHECK			0-	0-	0b	0c
2 ACURON 3.44 ZC	2900g ai/ha	A	0-	0-	93a	93a
3 RESICORE 3.29 SC	2540g ai/ha	A	0-	0-	89a	89ab
3 AATREX 4L	840g ai/ha	A				
4 TRIVOLT	640g ai/ha	A	0-	0-	100a	100a
4 AATREX 4L	840g ai/ha	A				
5 MAVERICK CORN HERBICIDE	570g ai/ha	A	0-	0-	90a	90ab
5 AATREX 4L	840g ai/ha	A				
6 BICEP II MAGNUM	2320g ai/ha	A	0-	0-	100a	100a
6 AMSOL	2.5% v/v	B				
6 ACURON GT	2260g ai/ha	B				
6 AATREX 4L	560g ai/ha	B				
6 NIS	0.25% v/v	B				

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	1, W, Weed	2, W, Weed				
Pest Code	SETFA	ECHCG				
Pest Scientific Name	Setaria faberi	Echinochloa cru>				
Pest Name	Giant foxtail	common barnyard>				
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	May-31-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022		
SE Group No.	17	60	18	19		
SE Name	ZUSX001	ZUSX001	ZUSW001	ZUSW001		
SE Description	%PHYTO-GENERAL	%PHYTO-GENERAL	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-6-2022	Jul-6-2022	Jun-8-2022	Jun-8-2022		
Rating Timing						
Days After First/Last Applic.	29, 7	36, 4	36, 4	36, 4		
Trt-Eval Interval	7 DA-B	14 DA-B	14 DA-B	14 DA-B		
Plant-Eval Interval	29 DP-1	36 DP-1	36 DP-1	36 DP-1		
Days After Emergence	17 DE-1	24 DE-1	24 DE-1	24 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Appl	9*	10*	11*	12*
No. Name	Rate Unit	Code				
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	0-	0-	77 a	100 a
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	0-	0-	96 a	96 a
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	0-	0-	83 a	83 b
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	0-	0-	100 a	100 a
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	0-	0-	99 a	100 a
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code			1, W, Weed	2, W, Weed
Pest Code			SETFA	ECHCG
Pest Scientific Name			Setaria faberi	Echinochloa cru>
Pest Name			Giant foxtail	common barnyard>
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	May-31-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	17	60	18	19
SE Name	ZUSX001	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-6-2022	Jul-6-2022	Jun-8-2022	Jun-8-2022
Rating Timing				
Days After First/Last Applic.	29, 7	36, 4	36, 4	36, 4
Trt-Eval Interval	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	29 DP-1	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	17 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl	9*	10*
No. Name	Rate Unit	Code	11*	12*
12 AMSOL	2.5% v/v	B	0-	0-
12 RESICORE 3.29 SC	1150g ai/ha	B	100a	100a
12 AATREX 4L	840g ai/ha	B		
12 ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B		
LSD P=.05			19.4	6.8
Standard Deviation	0.0	0.0	13.5	4.8
CV	0.0	0.0	15.8	5.44
Grand Mean	0.0	0.0	85.5	87.4
Levene's F^	.	.	0.722	2.344
Levene's Prob(F)	.	.	0.71	0.027*
Rank X2	.	.	.	.
P(Rank X2)	.	.	.	.
Skewness^	.	.	-2.9157*	-0.665
Kurtosis^	.	.	17.093*	3.0726*
Replicate F	0.000	0.000	1.413	0.947
Replicate Prob(F)	1.0000	1.0000	0.2563	0.4292
Treatment F	0.000	0.000	17.149	140.040
Treatment Prob(F)	1.0000	1.0000	0.0001	0.0001

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	3, W, Weed	4, W, Weed	5, W, Weed	6, W, Weed		
Pest Code	SETLU	AMBTR	CHEAL	AMARE		
Pest Scientific Name	Setaria pumila	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>		
Pest Name	foxtail, yellow	Giant ragweed	common lambsqua>	Redroot pigweed		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022		
SE Group No.	41	42	43	44		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022		
Rating Timing						
Days After First/Last Applic.	36, 4	36, 4	36, 4	36, 4		
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B		
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1	36 DP-1		
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	13*	14*	15*	16*
1 CHECK			0b	0e	0-	0-
2 ACURON 3.44 ZC	2900g ai/ha A		94a	80bcd	100-	100-
3 RESICORE 3.29 SC	2540g ai/ha A		85a	75cd	100-	100-
3 AATREX 4L	840g ai/ha A					
4 TRIVOLT	640g ai/ha A		100a	80bcd	100-	100-
4 AATREX 4L	840g ai/ha A					
5 MAVERICK CORN HERBICIDE	570g ai/ha A		83a	66d	100-	100-
5 AATREX 4L	840g ai/ha A					
6 BICEP II MAGNUM	2320g ai/ha A		100a	96a	100-	100-
6 AMSOL	2.5% v/v B					
6 ACURON GT	2260g ai/ha B					
6 AATREX 4L	560g ai/ha B					
6 NIS	0.25% v/v B					

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	3, W, Weed	4, W, Weed	5, W, Weed	6, W, Weed
Pest Code	SETLU	AMBTR	CHEAL	AMARE
Pest Scientific Name	Setaria pumila	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>
Pest Name	foxtail, yellow	Giant ragweed	common lambsqua>	Redroot pigweed
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	41	42	43	44
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing				
Days After First/Last Applic.	36, 4	36, 4	36, 4	36, 4
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	13*	14*	15*	16*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100 a	91 ab	100-	100-
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	90 a	79 bcd	100-	100-
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	74 a	69 d	100-	100-
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	100 a	87 abc	100-	100-
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	99 a	94 a	100-	100-
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	3, W, Weed	4, W, Weed	5, W, Weed	6, W, Weed
Pest Code	SETLU	AMBTR	CHEAL	AMARE
Pest Scientific Name	Setaria pumila	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>
Pest Name	foxtail, yellow	Giant ragweed	common lambsqua>	Redroot pigweed
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	41	42	43	44
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing				
Days After First/Last Applic.	36, 4	36, 4	36, 4	36, 4
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment	Rate	Appl	13*	14*	15*	16*
No. Name	Rate Unit	Code				
12 AMSOL	2.5% v/v	B	78 a	89 ab	100-	100-
12 RESICORE 3.29 SC	1150g ai/ha	B				
12 AATREX 4L	840g ai/ha	B				
12 ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				

LSD P=.05	21.0	9.1		
Standard Deviation	14.6	6.3	0.0	0.0
CV	17.51	8.37	0.0	0.0
Grand Mean	83.4	75.3	91.7	91.7
Levene's F^	0.802	0.775	.	.
Levene's Prob(F)	0.637	0.662	.	.
Rank X2	.	.	.	.
P(Rank X2)	.	.	.	.
Skewness^	-2.5423*	-0.3043	.	.
Kurtosis^	13.3023*	-0.5135	.	.
Replicate F	1.231	8.811	0.000	0.000
Replicate Prob(F)	0.3140	0.0002	1.0000	1.0000
Treatment F	14.601	65.616	0.000	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000	1.0000

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Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	7, W, Weed	8, W, Weed	9, W, Weed		
Pest Code	ABUTH	POLPY	HIBTR		
Pest Scientific Name	Abutilon theoph>	Persicaria pens>	Hibiscus trionum		
Pest Name	velvetleaf	annual smartweed	Venice mallow		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022		
SE Group No.	45	46	47		
SE Name	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1		
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022		
Rating Timing					
Days After First/Last Applic.	36, 4	36, 4	36, 4		
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B		
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1		
Days After Emergence	24 DE-1	24 DE-1	24 DE-1		
ARM Action Codes					
Number of Decimals	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	17*	18*	19*
1 CHECK			0b	0b	0c
2 ACURON 3.44 ZC	2900g ai/ha A		98a	100a	100a
3 RESICORE 3.29 SC	2540g ai/ha A		99a	100a	100a
3 AATREX 4L	840g ai/ha A				
4 TRIVOLT	640g ai/ha A		99a	100a	100a
4 AATREX 4L	840g ai/ha A				
5 MAVERICK CORN HERBICIDE	570g ai/ha A		100a	100a	100a
5 AATREX 4L	840g ai/ha A				
6 BICEP II MAGNUM	2320g ai/ha A		99a	100a	100a
6 AMSOL	2.5% v/v B				
6 ACURON GT	2260g ai/ha B				
6 AATREX 4L	560g ai/ha B				
6 NIS	0.25% v/v B				

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Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	7, W, Weed	8, W, Weed	9, W, Weed
Pest Code	ABUTH	POLPY	HIBTR
Pest Scientific Name	Abutilon theoph>	Persicaria pens>	Hibiscus trionum
Pest Name	velvetleaf	annual smartweed	Venice mallow
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	45	46	47
SE Name	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing			
Days After First/Last Applic.	36, 4	36, 4	36, 4
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	17*	18*	19*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	99 a	100 a	100 a
7 AMSOL	2.5 % v/v	B			
7 ACURON GT	2260 g ai/ha	B			
7 AATREX 4L	560 g ai/ha	B			
7 NIS	0.25 % v/v	B			
8 BICEP II MAGNUM	2320 g ai/ha	A	100 a	100 a	100 a
8 AMSOL	2.5 % v/v	C			
8 ACURON GT	2260 g ai/ha	C			
8 AATREX 4L	560 g ai/ha	C			
8 NIS	0.25 % v/v	C			
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	98 a	100 a	85 b
9 AMSOL	2.5 % v/v	C			
9 ACURON GT	2260 g ai/ha	C			
9 AATREX 4L	560 g ai/ha	C			
9 NIS	0.25 % v/v	C			
10 AMSOL	2.5 % v/v	B	100 a	100 a	100 a
10 ACURON GT	2260 g ai/ha	B			
10 AATREX 4L	840 g ai/ha	B			
10 NIS	0.25 % v/v	B			
11 AMSOL	2.5 % v/v	B	97 a	100 a	100 a
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B			
11 AATREX 4L	840 g ai/ha	B			
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B			

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	7, W, Weed	8, W, Weed	9, W, Weed
Pest Code	ABUTH	POLPY	HIBTR
Pest Scientific Name	Abutilon theoph>	Persicaria pens>	Hibiscus trionum
Pest Name	velvetleaf	annual smartweed	Venice mallow
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	45	46	47
SE Name	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing			
Days After First/Last Applic.	36, 4	36, 4	36, 4
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	36 DP-1	36 DP-1	36 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	17*	18*	19*
12 AMSOL	2.5% v/v	B	100 a	100 a	100 a
12 RESICORE 3.29 SC	1150 g ai/ha	B			
12 AATREX 4L	840 g ai/ha	B			
12 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B			

LSD P=.05	2.9	0.4	7.2
Standard Deviation	2.0	0.3	5.0
CV	2.26	0.32	5.53
Grand Mean	90.6	91.6	90.4
Levene's F^	0.572	0.758	2372565035708500000000000000.00
Levene's Prob(F)	0.838	0.678	0.00*
Rank X2	.	.	.
P(Rank X2)	.	.	.
Skewness^	-1.6588*	-3.5949*	0.0
Kurtosis^	4.9365*	22.9943*	8.0253*
Replicate F	1.514	1.000	1.000
Replicate Prob(F)	0.2289	0.4051	0.4051
Treatment F	779.406	39964.640	132.697
Treatment Prob(F)	0.0001	0.0001	0.0001

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Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	11, W, Weed	1, W, Weed	2, W, Weed	3, W, Weed		
Pest Code	SIDSP	IPOHE	SETFA	ECHCG	SETLU		
Pest Scientific Name	Sida spinosa	Ipomoea hederac>	Setaria faberi	Echinochloa cru>	Setaria pumila		
Pest Name	Prickly sida	ivy-leaf mornin>	Giant foxtail	common barnyard>	foxtail, yellow		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jun-7-2022	Jun-7-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	48	49	40	50	51		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	Jun-8-2022	Jun-8-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing							
Days After First/Last Applic.	36, 4	36, 4	65, 33	65, 33	65, 33		
Trt-Eval Interval	14 DA-B	14 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	36 DP-1	36 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	24 DE-1	24 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	20*	21*	22*	23*	24*
1 CHECK			0c	0c	0b	0b	0b
2 ACURON 3.44 ZC	2900g ai/ha A	A	100a	78ab	92a	85a	86a
3 RESICORE 3.29 SC	2540g ai/ha A	A	100a	73b	89a	87a	86a
3 AATREX 4L	840g ai/ha A	A					
4 TRIVOLT	640g ai/ha A	A	100a	75ab	100a	98a	98a
4 AATREX 4L	840g ai/ha A	A					
5 MAVERICK CORN HERBICIDE	570g ai/ha A	A	100a	79ab	90a	85a	85a
5 AATREX 4L	840g ai/ha A	A					
6 BICEP II MAGNUM	2320g ai/ha A	A	100a	86ab	100a	100a	100a
6 AMSOL	2.5% v/v B	B					
6 ACURON GT	2260g ai/ha B	B					
6 AATREX 4L	560g ai/ha B	B					
6 NIS	0.25% v/v B	B					

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	11, W, Weed	1, W, Weed	2, W, Weed	3, W, Weed
Pest Code	SIDSP	IPOHE	SETFA	ECHCG	SETLU
Pest Scientific Name	Sida spinosa	Ipomoea hederac>	Setaria faberi	Echinochloa cru>	Setaria pumila
Pest Name	Prickly sida	ivy-leaf mornin>	Giant foxtail	common barnyard>	foxtail, yellow
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jun-7-2022	Jun-7-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
SE Group No.	48	49	40	50	51
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
Rating Timing					
Days After First/Last Applic.	36, 4	36, 4	65, 33	65, 33	65, 33
Trt-Eval Interval	14 DA-B	14 DA-B	43 DA-B	43 DA-B	43 DA-B
Plant-Eval Interval	36 DP-1	36 DP-1	65 DP-1	65 DP-1	65 DP-1
Days After Emergence	24 DE-1	24 DE-1	53 DE-1	53 DE-1	53 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	20*	21*	22*	23*	24*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100 a	89 ab	100 a	100 a	100 a
7 AMSOL	2.5 % v/v	B					
7 ACURON GT	2260 g ai/ha	B					
7 AATREX 4L	560 g ai/ha	B					
7 NIS	0.25 % v/v	B					
8 BICEP II MAGNUM	2320 g ai/ha	A	85 ab	80 ab	100 a	100 a	100 a
8 AMSOL	2.5 % v/v	C					
8 ACURON GT	2260 g ai/ha	C					
8 AATREX 4L	560 g ai/ha	C					
8 NIS	0.25 % v/v	C					
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	83 b	81 ab	100 a	100 a	100 a
9 AMSOL	2.5 % v/v	C					
9 ACURON GT	2260 g ai/ha	C					
9 AATREX 4L	560 g ai/ha	C					
9 NIS	0.25 % v/v	C					
10 AMSOL	2.5 % v/v	B	100 a	86 ab	100 a	100 a	100 a
10 ACURON GT	2260 g ai/ha	B					
10 AATREX 4L	840 g ai/ha	B					
10 NIS	0.25 % v/v	B					
11 AMSOL	2.5 % v/v	B	100 a	91 ab	100 a	94 a	96 a
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B					
11 AATREX 4L	840 g ai/ha	B					
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B					

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	11, W, Weed	1, W, Weed	2, W, Weed	3, W, Weed		
Pest Code	SIDSP	IPOHE	SETFA	ECHCG	SETLU		
Pest Scientific Name	Sida spinosa	Ipomoea hederac>	Setaria faberi	Echinochloa cru>	Setaria pumila		
Pest Name	Prickly sida	ivy-leaf mornin>	Giant foxtail	common barnyard>	foxtail, yellow		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jun-7-2022	Jun-7-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	48	49	40	50	51		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	Jun-8-2022	Jun-8-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing							
Days After First/Last Applic.	36, 4	36, 4	65, 33	65, 33	65, 33		
Trt-Eval Interval	14 DA-B	14 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	36 DP-1	36 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	24 DE-1	24 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl Code	20*	21*	22*	23*	24*
No. Name	Rate Unit	Code					
12 AMSOL	2.5% v/v	B	100 a	93 a	100 a	100 a	100 a
12 RESICORE 3.29 SC	1150g ai/ha	B					
12 AATREX 4L	840g ai/ha	B					
12 ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B					
LSD P=.05			10.0	11.6	7.2	9.4	9.6
Standard Deviation			6.9	8.1	5.0	6.5	6.6
CV			7.78	10.64	5.64	7.45	7.59
Grand Mean			89.0	75.9	89.1	87.3	87.5
Levene's F^			9.405	4.477	1.639	2.628	3.277
Levene's Prob(F)			0.00*	0.00*	0.129	0.014*	0.003*
Rank X2		
P(Rank X2)		
Skewness^			-0.4148	0.1619	-1.201*	-1.0429*	-1.084*
Kurtosis^			5.6083*	-0.3438	4.7604*	5.3441*	5.0367*
Replicate F			1.000	0.799	2.758	1.717	1.882
Replicate Prob(F)			0.4051	0.5033	0.0578	0.1826	0.1518
Treatment F			68.818	37.473	127.869	74.929	72.348
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001	0.0001

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	4, W, Weed	5, W, Weed	6, W, Weed	7, W, Weed		
Pest Code	AMBTR	CHEAL	AMARE	ABUTH		
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>		
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	52	53	54	55		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing						
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33		
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Unit	Appl Code	25*	26*	27*	28*
1 CHECK			0d	0-	0-	0b
2 ACURON 3.44 ZC	2900g ai/ha A		79bc	100-	100-	96a
3 RESICORE 3.29 SC	2540g ai/ha A		79bc	100-	100-	100a
3 AATREX 4L	840g ai/ha A					
4 TRIVOLT	640g ai/ha A		80bc	100-	100-	100a
4 AATREX 4L	840g ai/ha A					
5 MAVERICK CORN HERBICIDE	570g ai/ha A		74c	100-	100-	100a
5 AATREX 4L	840g ai/ha A					
6 BICEP II MAGNUM	2320g ai/ha A		97 ab	100-	100-	100a
6 AMSOL	2.5% v/v B					
6 ACURON GT	2260g ai/ha B					
6 AATREX 4L	560g ai/ha B					
6 NIS	0.25% v/v B					

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	4, W, Weed	5, W, Weed	6, W, Weed	7, W, Weed
Pest Code	AMBTR	CHEAL	AMARE	ABUTH
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
SE Group No.	52	53	54	55
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
Rating Timing				
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	25*	26*	27*	28*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	90 abc	100-	100-	100a
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	100 a	100-	100-	100a
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	99 a	100-	100-	100a
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	95 ab	100-	100-	100a
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	89 abc	100-	100-	100a
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

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Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	4, W, Weed	5, W, Weed	6, W, Weed	7, W, Weed		
Pest Code	AMBTR	CHEAL	AMARE	ABUTH		
Pest Scientific Name	Ambrosia trifida	Chenopodium alb>	Amaranthus retr>	Abutilon theoph>		
Pest Name	Giant ragweed	common lambsqua>	Redroot pigweed	velvetleaf		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	52	53	54	55		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing						
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33		
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Appl	25*	26*	27*	28*
No. Name	Rate Unit	Code				
12 AMSOL	2.5% v/v	B	86 abc	100-	100-	100a
12 RESICORE 3.29 SC	1150g ai/ha	B				
12 AATREX 4L	840g ai/ha	B				
12 ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
LSD P=.05			11.9			3.1
Standard Deviation			8.3	0.0	0.0	2.2
CV			10.26	0.0	0.0	2.37
Grand Mean			80.5	91.7	91.7	91.4
Levene's F^			1.579	.	.	0.758
Levene's Prob(F)			0.147	.	.	0.678
Rank X2		
P(Rank X2)		
Skewness^			0.0632	.	.	-3.5949*
Kurtosis^			1.2074	.	.	22.9943*
Replicate F			4.151	0.000	0.000	1.000
Replicate Prob(F)			0.0133	1.0000	1.0000	0.4051
Treatment F			42.123	0.000	0.000	707.263
Treatment Prob(F)			0.0001	1.0000	1.0000	0.0001

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	8, W, Weed	9, W, Weed	10, W, Weed	11, W, Weed		
Pest Code	POLPY	HIBTR	SIDSP	IPOHE		
Pest Scientific Name	Persicaria pens>	Hibiscus trionum	Sida spinosa	Ipomoea hederac>		
Pest Name	annual smartweed	Venice mallow	Prickly sida	ivy-leaf mornin>		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	56	57	58	59		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing						
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33		
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Unit	Appl Code	29*	30*	31*	32*
1 CHECK			0-	0b	0c	0f
2 ACURON 3.44 ZC	2900g ai/ha A		100-	100a	83b	61e
3 RESICORE 3.29 SC	2540g ai/ha A		100-	99a	78b	68de
3 AATREX 4L	840g ai/ha A					
4 TRIVOLT	640g ai/ha A		100-	100a	93a	73cde
4 AATREX 4L	840g ai/ha A					
5 MAVERICK CORN HERBICIDE	570g ai/ha A		100-	100a	96a	74b-e
5 AATREX 4L	840g ai/ha A					
6 BICEP II MAGNUM	2320g ai/ha A		100-	100a	96a	91abc
6 AMSOL	2.5% v/v B					
6 ACURON GT	2260g ai/ha B					
6 AATREX 4L	560g ai/ha B					
6 NIS	0.25% v/v B					

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	8, W, Weed	9, W, Weed	10, W, Weed	11, W, Weed
Pest Code	POLPY	HIBTR	SIDSP	IPOHE
Pest Scientific Name	Persicaria pens>	Hibiscus trionum	Sida spinosa	pomoea hederac>
Pest Name	annual smartweed	Venice mallow	Prickly sida	ivy-leaf mornin>
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
SE Group No.	56	57	58	59
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022
Rating Timing				
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	29*	30*	31*	32*
7 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100-	100 a	98 a	85 a-d
7 AMSOL	2.5 % v/v	B				
7 ACURON GT	2260 g ai/ha	B				
7 AATREX 4L	560 g ai/ha	B				
7 NIS	0.25 % v/v	B				
8 BICEP II MAGNUM	2320 g ai/ha	A	100-	100 a	100 a	98 a
8 AMSOL	2.5 % v/v	C				
8 ACURON GT	2260 g ai/ha	C				
8 AATREX 4L	560 g ai/ha	C				
8 NIS	0.25 % v/v	C				
9 LEXAR EZ 3.7 ZC	1820 g ai/ha	A	100-	100 a	100 a	94 ab
9 AMSOL	2.5 % v/v	C				
9 ACURON GT	2260 g ai/ha	C				
9 AATREX 4L	560 g ai/ha	C				
9 NIS	0.25 % v/v	C				
10 AMSOL	2.5 % v/v	B	100-	100 a	100 a	94 ab
10 ACURON GT	2260 g ai/ha	B				
10 AATREX 4L	840 g ai/ha	B				
10 NIS	0.25 % v/v	B				
11 AMSOL	2.5 % v/v	B	100-	100 a	99 a	74 b-e
11 MAVERICK CORN HERBICIDE	250 g ai/ha	B				
11 AATREX 4L	840 g ai/ha	B				
11 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	8, W, Weed	9, W, Weed	10, W, Weed	11, W, Weed		
Pest Code	POLPY	HIBTR	SIDSP	IPOHE		
Pest Scientific Name	Persicaria pens>	Hibiscus trionum	Sida spinosa	pomoea hederac>		
Pest Name	annual smartweed	Venice mallow	Prickly sida	ivy-leaf mornin>		
Crop ID Code	1, ZEAMX	1, ZEAMX	1, ZEAMX	1, ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn		
Crop Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB		
Rating Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
SE Group No.	56	57	58	59		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-6-2022	Jul-6-2022	Jul-6-2022	Jul-6-2022		
Rating Timing						
Days After First/Last Applic.	65, 33	65, 33	65, 33	65, 33		
Trt-Eval Interval	43 DA-B	43 DA-B	43 DA-B	43 DA-B		
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1		
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Appl	29*	30*	31*	32*
No. Name	Rate Unit	Code				
12AMSOL	2.5% v/v	B	100-	100 a	97 a	91 abc
12RESICORE 3.29 SC	1150g ai/ha	B				
12AATREX 4L	840g ai/ha	B				
12ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
LSD P=.05				1.0	5.4	13.3
Standard Deviation			0.0	0.7	3.8	9.2
CV			0.0	0.79	4.36	12.27
Grand Mean			93.6	91.6	86.5	75.1
Levene's F^			.	0.758	1.145	0.892
Levene's Prob(F)			.	0.678	0.358	0.556
Rank X2		
P(Rank X2)		
Skewness^			.	-3.5949*	-0.3588	-0.2618
Kurtosis^			.	22.9943*	0.2318	0.1291
Replicate F			0.000	1.000	2.454	2.516
Replicate Prob(F)			1.0000	0.4051	0.0806	0.0753
Treatment F			0.000	6386.455	223.209	33.047
Treatment Prob(F)			1.0000	0.0001	0.0001	0.0001

The Ohio State University

Herbicide - Sales Support - 2022 US

Trial ID: USNK0H4042022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Crop ID Code

1, ZEAMX, BCOR, Zea mays, Corn, DKC59-81RIB = Glyphosate-R, Glufosinate-R

Part Rated

PLANT = plant

Rating Type

PHYGEN = phytotoxicity - general / injury

CONTRO = control / burndown or knockdown

Rating Unit/Min/Max

%, 0, 100 = percent

Calculation

NC = no calculation

PLOT = total plot

PLOT = total plot

PLOT = total plot

Rating Timing

B0 = Before 2nd Application

Plant-Eval Interval

21 DP-1 = 1 ZEAMX May-2-2022

29 DP-1 = 1 ZEAMX May-2-2022

36 DP-1 = 1 ZEAMX May-2-2022

65 DP-1 = 1 ZEAMX May-2-2022