

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

### General Trial Information

Trial Initiation Date: May-1-2022 Protocol Edition No.: 1.01  
 Trial Status: E Trial Status Date: Mar-9-2022  
 Last change done by: Dr. Mark M. Loux Date of last export: Mar-9-2022 5:28 PM  
 External Trial: X

Final Data Due: Sep-15-2022 Interim Data Due: Jul-29-2022

TD Number(s): LOCALCREATED<sup>1</sup>

License User: Michael, Janis  
 Department: Bayer CropScience LP

Protocol Developer: Riley, Eric  
 Department: Bayer CropScience LP

Trial Officer: Stevenson, Rod

Cooperator (Outside service): Mark Loux  
 Affiliation: Ohio State University  
 Street: Western Ag Research Station  
 City: South Charleston  
 Postal Code: 45368  
 Telephone: (614) 292-9081  
 E-Mail: loux.1@osu.edu

### Site and Design

Field Name: G-6  
 City: South Charleston  
 Postal Code: 45368  
 County: Clark  
 State/Province: OH  
 Country: USA

Altitude (m): 329

### Latitude, Longitude of Trial Corners

Lower Left  
 Latitude: 39.85943  
 Longitude: -83.67485  
 No. of Replicates: 4 No. of Treatments: 10 No. of Plots: 40  
 Plot Width: 2.033 m Plot Length: 9.14 m  
 Plot Area: 18.59 m<sup>2</sup>

Test Type: EXTER  
 Trial Design: RACOBL

### Previous Crops and Agricultural Chemicals

Previous Crops Year  
 GLXMA CBSOY2021

### Soil Description

Soil Name: G-6 Kokomo  
 Texture: SICL % Sand: 32 % Silt: 53  
 % Clay: 15 % Gravel: 0  
 % Organic Matter: 2.2  
 pH: 5.9 Cation Exchange Capacity: 14  
 Fertility Level: G  
 Soil Drainage: G  
 Overall Soil Moisture Condition: SLIWET

### Crop Description

Crop 1: ZEAMD Discipline: C Crop Scale: BCOR Use Group: A2  
 Zea mays L. ssp. indentata STU  
 Corn, dent  
 Variety: DKC59-81RIB  
 Variety Characteristic: RR+LL+BT  
 Seed Lot No.: H49CCK7JXF  
 1000 Grain Weight: 0.56 LB  
 Seed/Planting Date: May-2-2022 Seed/Plant Rate: 79300 S/HA  
 Depth: 5.08 CM Rows Per Plot: 4  
 Planted/Harvested Width: 10.0 FT Row Spacing: 76.2 CM  
 Planted/Harvested Length: 30.0 FT  
 Planting Method: PLANTD  
 Planting Implement: FPP Seed Bed: MEDIUM  
 Plant arrangement: ROW Soil Temperature: 11.11 C  
 Emergence Crop Date: May-14-2022 Soil Moisture (at Planting): DRY

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### Target Description

Target 1: SETFA Discipline: W Target Scale: BGRM  
 Setaria faberi HERRM.  
 Foxtail, giant  
 Target 2: ECHCG Discipline: W Target Scale: BGRM  
 Echinochloa crus-galli (L.) P.  
 Barnyardgrass, common  
 Target 3: AMBTR Discipline: W Target Scale: BDIC  
 Ambrosia trifida L.  
 Ragweed, giant  
 Target 4: CHEAL Discipline: W Target Scale: BDIC  
 Chenopodium album L.  
 Lambsquarters, common  
 Target 5: AMARE Discipline: W Target Scale: BDIC  
 Amaranthus retroflexus L.  
 Redroot pigweed  
 Target 6: ABUTH Discipline: W Target Scale: BDIC  
 Abutilon theophrasti MEDIK.  
 Velvetleaf  
 Target 7: IPOHE Discipline: W Target Scale: BDIC  
 Ipomoea hederacea (L.) JACQ.  
 Morningglory, ivyleaf

### Application Description

	A	B
Application Date	May-2-2022	Jun-3-2022
Interval to prev. Appl.		32 DAY
Application Timing	PREPRE	MIPOCR
Appl. Start - Time of Day	5:45 PM	10:40 AM
Appl. Stop	6:15 PM	10:45 AM
Appl. Rain 0-6H	0 CM	0 CM
Time to Next Rain	14 HR	3 DAY
% Relative Humidity	33	52
Air Temperature	21.67 C	19.44 C
% Cloud Cover	35	0
Appl. Wind Strength	MOD	MOD
Wind Velocity	11.3 KPH	6.43 KPH
Wind Direction/Degrees	W	W
Soil Temperature	16.67 C	18.33 C
Soil Moisture	DRY	DRY
Soil Condition (surface)	MEDIUM	MEDIUM
Problems with Application?	No	No

### Crop Stage at Application

	A	B
Crop 1/Disc./Scale	ZEAMD, C, BCOR	ZEAMD, C, BCOR
Days after Emergence	-12	20
Stage Majority/Percent	00, -	14, 100
Stage Minimum/Percent		14, 100
Stage Maximum/Percent		14, 100
Majority Height/Unit		35.56 CM
Min/Max (Unit=Height Unit)		25.4, 35.56
Treated Canopy Height		35.56 CM

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### Target Stage at Application

	A	B
Target 1/Disc./Scale	SETFA, W, BGRM	SETFA, W, BGRM
Stage Majority/Percent		13, 90
Stage Minimum/Percent		12, 10
Stage Maximum/Percent		13, 90
Majority Height/Unit		10.16 CM
Min/Max (Unit=Height Unit)		5.08, 20.32
Density		196 PLA/M2
Target 2/Disc./Scale	ECHCG, W, BGRM	ECHCG, W, BGRM
Stage Majority/Percent		13, 90
Stage Minimum/Percent		12, 10
Stage Maximum/Percent		13, 90
Majority Height/Unit		12.7 CM
Min/Max (Unit=Height Unit)		10, 15
Density		86 PLA/M2
Target 3/Disc./Scale	AMBTR, W, BDIC	AMBTR, W, BDIC
Stage Majority/Percent		19, 80
Stage Minimum/Percent		18, 10
Stage Maximum/Percent		19, 80
Majority Height/Unit		15.24 CM
Min/Max (Unit=Height Unit)		8, 16
Density		8 PLA/M2
Target 4/Disc./Scale	CHEAL, W, BDIC	CHEAL, W, BDIC
Stage Majority/Percent		19, 80
Stage Minimum/Percent		18, 10
Stage Maximum/Percent		19, 80
Majority Height/Unit		5.08 CM
Min/Max (Unit=Height Unit)		2.54, 5.08
Density		12 PLA/M2
Target 5/Disc./Scale	AMARE, W, BDIC	AMARE, W, BDIC
Density		6 PLA/M2
Target 6/Disc./Scale	ABUTH, W, BDIC	ABUTH, W, BDIC
Density		3 PLA/M2
Target 7/Disc./Scale	IPOHE, W, BDIC	IPOHE, W, BDIC
Stage Majority/Percent		12, 80
Stage Minimum/Percent		12, 80
Stage Maximum/Percent		13, 20
Majority Diameter/Unit		5.08 CM
Majority Height/Unit		5.08 CM
Min/Max (Unit=Height Unit)		2.54, 5.08
Density		0.33 PLA/M2

### Application Equipment

	A	B
Application Method	SPRAY	SPRAY
Application Placement	BROSOI	BROFOL
Application Equipment	BACCAI	BACCAI
Ground Speed	4.82999992 KPH	4.82999992 KPH
Propellant Type	COMCO2	COMCO2
Carrier	WATER	WATER
Water Hardness	250	250
Carrier pH	7.5	7.5
Appl./Slurry Volume	140.3	140.3
Appl./Slurry Volume Unit	L/HA	L/HA
Minimum Mix/Treatment	1.0433 L	1.0433 L
Mix Size	1.5 L	1.5 L
Operating Pressure	3.31 BAR	3.31 BAR
Nozzle Type	TEEJTA	TEEJTA
Nozzle Size	015	015
Nozzle Spacing	45.7 CM	45.7 CM
Boom Height	50 CM	50 CM

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Unique Col. ID	2	3	4	5	6	7			
Orig./Calc. Flag	O	O	O	O	O	O			
SE Group	11	1	2	3	4	5			
SE ID	PE12AD1					EE22AD3			
SE Label	Estimat					1 weed, 1, SETFA W, BGRM			
Target									
-Disc./Scale									
Crop	1, ZEAMD	1, ZEAMD	1, ZEAMD	1, ZEAMD	1, ZEAMD				
-Disc./Scale	C, BCOR	C, BCOR	C, BCOR	C, BCOR	C, BCOR				
Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB				
-Characteristic	RR+LL+BT	RR+LL+BT	RR+LL+BT	RR+LL+BT	RR+LL+BT				
Part Rated	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT			
Assessment Type	PHYGEN	PHYSTU	PHYNEC	PHYCHL	PHYLMA	CONTRO			
Assessment Unit	%	%	%	%	%	%			
Sample Size	1	1	1	1	1	1			
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT			
Sample Size (total)	1	1	1	1	1	1			
# Subsamples	1	1	1	1	1	1			
Assessment Date	May-23-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022			
Appl.-Ass.Interval	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Days after first Appl.	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Days after last Appl.	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Plant.-Ass.Interval	21 DP1	31 DP1	31 DP1	31 DP1	31 DP1	31 DP1			
Days after Emergence	9 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1			
Decimals Printed	0	0	0	0	0	0			
ARM Action Codes	P	P	P	P	P	P EC			
Untreated	CANOPY	CANOPY	CANOPY	CANOPY	CANOPY	CANOPY			
Entry No.	Entry/Trt. Description	Dose Unit	Appl. Code	1*	2*	3*	4*	5*	6*
1	UNTREATED			0-	0-	0-	0-	0-	0
2	TRIVOLT	716 g ai/ha A		0-	0-	0-	0-	0-	80b
2	ATRAZINE	1122 g ai/ha A							
3	ACURON HERBICIDE	2986 g ai/ha A		0-	0-	0-	0-	0-	73bc
4	RESICORE HERBICIDE	2767 g ai/ha A		0-	0-	0-	0-	0-	95a
4	ATRAZINE	1122 g ai/ha A							
5	TRIVOLT	429.5 g ai/ha A		0-	0-	0-	0-	0-	75bc
5	ATRAZINE	560 g ai/ha A							
5	DIFLEXX DUO	340.2 g ai/ha B							
5	ATRAZINE	560 g ai/ha B							
5	ROUNDUP POWERMAX 3	1260 g ai/ha B							
5	CLASS ACT RIDION	1% v/v B							
6	TRIVOLT	429.5 g ai/ha A		0-	0-	0-	0-	0-	60c
6	ATRAZINE	560 g ai/ha A							
6	LAUDIS	138.1 g ai/ha B							
6	ATRAZINE	560 g ai/ha B							
6	ROUNDUP POWERMAX 3	1260 g ai/ha B							
6	N-PAK AMS LIQUID	2.5% v/v B							
7	TRIVOLT	429.5 g ai/ha A		0-	0-	0-	0-	0-	68bc
7	ATRAZINE	560 g ai/ha A							
7	CAPRENO HERBICIDE	119.9 g ai/ha B							
7	ATRAZINE	560 g ai/ha B							
7	N-PAK AMS LIQUID	2.5% v/v B							
8	TRIVOLT	429.5 g ai/ha A		0-	0-	0-	0-	0-	60c
8	ATRAZINE	560 g ai/ha A							
8	CAPRENO HERBICIDE	119.9 g ai/ha B							
8	ATRAZINE	560 g ai/ha B							
8	ROUNDUP POWERMAX 3	1260 g ai/ha B							
8	N-PAK AMS LIQUID	2.5% v/v B							

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

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Unique Col. ID	2	3	4	5	6	7			
Orig./Calc. Flag	O	O	O	O	O	O			
SE Group	11	1	2	3	4	5			
SE ID	PE12AD1					EE22AD3			
SE Label	Estimat					1 weed, 1, SETFA W, BGRM			
Target									
-Disc./Scale									
Crop	1, ZEAMD	1, ZEAMD	1, ZEAMD	1, ZEAMD	1, ZEAMD				
-Disc./Scale	C, BCOR	C, BCOR	C, BCOR	C, BCOR	C, BCOR				
Variety	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB	DKC59-81RIB				
-Characteristic	RR+LL+BT	RR+LL+BT	RR+LL+BT	RR+LL+BT	RR+LL+BT				
Part Rated	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT			
Assessment Type	PHYGEN	PHYSTU	PHYNEC	PHYCHL	PHYLMA	CONTRO			
Assessment Unit	%	%	%	%	%	%			
Sample Size	1	1	1	1	1	1			
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT			
Sample Size (total)	1	1	1	1	1	1			
# Subsamples	1	1	1	1	1	1			
Assessment Date	May-23-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022			
Appl.-Ass.Interval	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Days after first Appl.	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Days after last Appl.	21 DAA	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA			
Plant.-Ass.Interval	21 DP1	31 DP1	31 DP1	31 DP1	31 DP1	31 DP1			
Days after Emergence	9 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1			
Decimals Printed	0	0	0	0	0	0			
ARM Action Codes	P	P	P	P	P	P EC			
Untreated	CANOPY	CANOPY	CANOPY	CANOPY	CANOPY	CANOPY			
Entry No.	Entry/Trt. Description	Dose Unit	Appl. Code	1*	2*	3*	4*	5*	6*
9	TRIVOLT	429.5g ai/ha	A	0-	0-	0-	0-	0-	65bc
9	ATRAZINE	560g ai/ha	A						
9	HARNES MAX	1350g ai/ha	B						
9	ATRAZINE	560g ai/ha	B						
9	ROUNDUP POWERMAX 3	1260g ai/ha	B						
9	N-PAK AMS LIQUID	2.5% v/v	B						
10	BICER II MAGNUM	2300g ai/ha	A	0-	0-	0-	0-	0-	65bc
10	ACURON GT	2260g ai/ha	B						
10	ATRAZINE	560g ai/ha	B						
10	PREFERENCE	0.25% v/v	B						
10	N-PAK AMS LIQUID	2.5% v/v	B						
LSD P=.05									11.0
Standard Deviation				0.0	0.0	0.0	0.0	0.0	7.6
CV				0.0	0.0	0.0	0.0	0.0	10.63
Grand Mean				0.0	0.0	0.0	0.0	0.0	71.1
Levene's F^				.	.	.	.	.	0.61
Levene's Prob(F)				.	.	.	.	.	0.762
Rank X2				.	.	.	.	.	.
P(Rank X2)				.	.	.	.	.	.
Skewness^				.	.	.	.	.	0.1797
Kurtosis^				.	.	.	.	.	-0.9634
Replicate F				0.000	0.000	0.000	0.000	0.000	3.302
Replicate Prob(F)				1.0000	1.0000	1.0000	1.0000	1.0000	0.0374
Treatment F				0.000	0.000	0.000	0.000	0.000	8.575
Treatment Prob(F)				1.0000	1.0000	1.0000	1.0000	1.0000	0.0001

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\* Adjusted means

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 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	8	9	10	11	12	13	14
Orig./Calc. Flag	O	O	O	O	O	O	O
SE Group	30	7	8	9	10	12	13
SE ID							
SE Label							
Target	2, ECHCG	3, AMBTR	4, CHEAL	6, ABUTH	5, AMARE		
-Disc./Scale	W, BGRM	W, BDIC	W, BDIC	W, BDIC	W, BDIC		
Crop						1, ZEAMD	1, ZEAMD
-Disc./Scale						C, BCOR	C, BCOR
Variety						DKC59-81RIB	DKC59-81RIB
-Characteristic						RR+LL+BT	RR+LL+BT
Part Rated	PLANT	PLANT	PLANT	PLANT	PLANT		
Assessment Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	PHYNEC
Assessment Unit	%	%	%	%	%	%	%
Sample Size	1	1	1	1	1	1	1
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT
Sample Size (total)	1	1	1	1	1	1	1
# Subsamples	1	1	1	1	1	1	1
Assessment Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-15-2022	Jun-15-2022
Appl.-Ass.Interval	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA		
Days after first Appl.	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA	44 DAA	44 DAA
Days after last Appl.	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA	12 DAB	12 DAB
Plant.-Ass.Interval	31 DP1	31 DP1	31 DP1	31 DP1	31 DP1	44 DP1	44 DP1
Days after Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	32 DE-1	32 DE-1
Decimals Printed	0	0	0	0	0	0	0
ARM Action Codes	P EC	P EC	P EC	P EC	P EC	P	P
Untreated							

Entry No.	Entry/Trt. Description	Dose Unit	Appl. Code	7*	8*	9*	10*	11*	12*	13*
1	UNTREATED			0	0	0	0	0	0-	0-
2	TRIVOLT	716 g ai/ha	A	78b	65ab	100-	100-	100-	0-	0-
2	ATRAZINE	1122 g ai/ha	A							
3	ACURON HERBICIDE	2986 g ai/ha	A	70bc	63abc	100-	100-	100-	0-	0-
4	RESICORE HERBICIDE	2767 g ai/ha	A	91a	70a	100-	100-	100-	0-	0-
4	ATRAZINE	1122 g ai/ha	A							
5	TRIVOLT	429.5 g ai/ha	A	73bc	48 a-d	100-	100-	100-	0-	0-
5	ATRAZINE	560 g ai/ha	A							
5	DIFLEXX DUO	340.2 g ai/ha	B							
5	ATRAZINE	560 g ai/ha	B							
5	ROUNDUP POWERMAX 3	1260 g ai/ha	B							
5	CLASS ACT RIDION	1% v/v	B							
6	TRIVOLT	429.5 g ai/ha	A	60c	40 cd	100-	100-	100-	0-	0-
6	ATRAZINE	560 g ai/ha	A							
6	LAUDIS	138.1 g ai/ha	B							
6	ATRAZINE	560 g ai/ha	B							
6	ROUNDUP POWERMAX 3	1260 g ai/ha	B							
6	N-PAK AMS LIQUID	2.5% v/v	B							
7	TRIVOLT	429.5 g ai/ha	A	68bc	48 a-d	100-	100-	100-	0-	0-
7	ATRAZINE	560 g ai/ha	A							
7	CAPRENO HERBICIDE	119.9 g ai/ha	B							
7	ATRAZINE	560 g ai/ha	B							
7	N-PAK AMS LIQUID	2.5% v/v	B							
8	TRIVOLT	429.5 g ai/ha	A	60c	43 bcd	99-	100-	100-	0-	0-
8	ATRAZINE	560 g ai/ha	A							
8	CAPRENO HERBICIDE	119.9 g ai/ha	B							
8	ATRAZINE	560 g ai/ha	B							
8	ROUNDUP POWERMAX 3	1260 g ai/ha	B							
8	N-PAK AMS LIQUID	2.5% v/v	B							

Means followed by same letter or symbol do not significantly differ (P= .05, Student-Newman-Keuls).  
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 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	8	9	10	11	12	13	14		
Orig./Calc. Flag	O	O	O	O	O	O	O		
SE Group	30	7	8	9	10	12	13		
SE ID									
SE Label									
Target	2, ECHCG	3, AMBTR	4, CHEAL	6, ABUTH	5, AMARE				
-Disc./Scale	W, BGRM	W, BDIC	W, BDIC	W, BDIC	W, BDIC				
Crop						1, ZEAMD	1, ZEAMD		
-Disc./Scale						C, BCOR	C, BCOR		
Variety						DKC59-81RIB	DKC59-81RIB		
-Characteristic						RR+LL+BT	RR+LL+BT		
Part Rated	PLANT	PLANT	PLANT	PLANT	PLANT				
Assessment Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	PHYNEC		
Assessment Unit	%	%	%	%	%	%	%		
Sample Size	1	1	1	1	1	1	1		
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT		
Sample Size (total)	1	1	1	1	1	1	1		
# Subsamples	1	1	1	1	1	1	1		
Assessment Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-15-2022	Jun-15-2022		
Appl.-Ass.Interval	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA				
Days after first Appl.	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA	44 DAA	44 DAA		
Days after last Appl.	31 DAA	31 DAA	31 DAA	31 DAA	31 DAA	12 DAB	12 DAB		
Plant.-Ass.Interval	31 DP1	31 DP1	31 DP1	31 DP1	31 DP1	44 DP1	44 DP1		
Days after Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	32 DE-1	32 DE-1		
Decimals Printed	0	0	0	0	0	0	0		
ARM Action Codes	P EC	P EC	P EC	P EC	P EC	P	P		
Untreated									
Entry No.	Entry/Trt. Description	Dose Unit	7*	8*	9*	10*	11*	12*	13*
9	TRIVOLT	429.5g ai/ha A	65 bc	35 d	100-	100-	100-	0-	0-
9	ATRAZINE	560g ai/ha A							
9	HARNES MAX	1350g ai/ha B							
9	ATRAZINE	560g ai/ha B							
9	ROUNDUP POWERMAX 3	1260g ai/ha B							
9	N-PAK AMS LIQUID	2.5% v/v B							
10	BICEP II MAGNUM	2300g ai/ha A	65 bc	50 a-d	100-	100-	100-	0-	0-
10	ACURON GT	2260g ai/ha B							
10	ATRAZINE	560g ai/ha B							
10	PREFERENCE	0.25% v/v B							
10	N-PAK AMS LIQUID	2.5% v/v B							
LSD P=.05			10.7	15.0	0.7		0.5		
Standard Deviation			7.3	10.3	0.5	0.0	0.3	0.0	0.0
CV			10.5	20.15	0.5	0.0	0.33	0.0	0.0
Grand Mean			69.8	51.1	99.9	100.0	99.9	0.0	0.0
Levene's F^			0.68	2.201	0.681		0.681		
Levene's Prob(F)			0.705	0.06	0.704		0.704		
Rank X2									
P(Rank X2)									
Skewness^			0.0143	0.0949	-2.9835*		-2.9835*		
Kurtosis^			-0.4269	-0.8466	15.913*		15.913*		
Replicate F			3.548	1.747	1.000	0.000	1.000	0.000	0.000
Replicate Prob(F)			0.0295	0.1843	0.4098	1.0000	0.4098	1.0000	1.0000
Treatment F			6.886	5.489	1.000	0.000	1.000	0.000	0.000
Treatment Prob(F)			0.0001	0.0005	0.4613	1.0000	0.4613	1.0000	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	15	16	17	18	19	20	21
Orig./Calc. Flag	O	O	O	O	O	O	O
SE Group	14	15	16	17	18	19	20
SE ID							
SE Label							
Target							
-Disc./Scale							
Crop	1, ZEAMD	1, ZEAMD					
-Disc./Scale	C, BCOR	C, BCOR					
Variety	DKC59-81RIB	DKC59-81RIB					
-Characteristic	RR+LL+BT	RR+LL+BT					
Part Rated							
Assessment Type	PHYCHL	PHYLMA	PLANT	PLANT	PLANT	PLANT	PLANT
Assessment Unit	%	%	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Sample Size	1	1	1	1	1	1	1
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT
Sample Size (total)	1	1	1	1	1	1	1
# Subsamples	1	1	1	1	1	1	1
Assessment Date	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022
Appl.-Ass.Interval							
Days after first Appl.	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA
Days after last Appl.	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB
Plant.-Ass.Interval	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1
Days after Emergence	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1
Decimals Printed	0	0	0	0	0	0	0
ARM Action Codes	P	P					
Untreated							
Entry No.							
Entry/Trt. Description							
Dose							
Dose Unit							
Appl. Code							
	14*	15*	16*	17*	18*	19*	20*
1 UNTREATED			0d	0d	0d	0b	0-
2 TRIVOLT	716 g ai/ha A		68bc	65c	40c	100a	100-
2 ATRAZINE	1122 g ai/ha A						
3 ACURON HERBICIDE	2986 g ai/ha A		60c	60c	60b	100a	100-
4 RESICORE HERBICIDE	2767 g ai/ha A		81b	81b	64b	100a	100-
4 ATRAZINE	1122 g ai/ha A						
5 TRIVOLT	429.5 g ai/ha A		100a	100a	99a	100a	100-
5 ATRAZINE	560 g ai/ha A						
5 DIFLEXX DUO	340.2 g ai/ha B						
5 ATRAZINE	560 g ai/ha B						
5 ROUNDUP POWERMAX 3	1260 g ai/ha B						
5 CLASS ACT RIDION	1% v/v B						
6 TRIVOLT	429.5 g ai/ha A		100a	97a	96a	100a	100-
6 ATRAZINE	560 g ai/ha A						
6 LAUDIS	138.1 g ai/ha B						
6 ATRAZINE	560 g ai/ha B						
6 ROUNDUP POWERMAX 3	1260 g ai/ha B						
6 N-PAK AMS LIQUID	2.5% v/v B						
7 TRIVOLT	429.5 g ai/ha A		78b	78b	94a	100a	100-
7 ATRAZINE	560 g ai/ha A						
7 CAPRENO HERBICIDE	119.9 g ai/ha B						
7 ATRAZINE	560 g ai/ha B						
7 N-PAK AMS LIQUID	2.5% v/v B						
8 TRIVOLT	429.5 g ai/ha A		100a	99a	100a	100a	100-
8 ATRAZINE	560 g ai/ha A						
8 CAPRENO HERBICIDE	119.9 g ai/ha B						
8 ATRAZINE	560 g ai/ha B						
8 ROUNDUP POWERMAX 3	1260 g ai/ha B						
8 N-PAK AMS LIQUID	2.5% v/v B						

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.



# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	15	16	17	18	19	20	21				
Orig./Calc. Flag	O	O	O	O	O	O	O				
SE Group	14	15	16	17	18	19	20				
SE ID											
SE Label											
Target											
-Disc./Scale											
Crop	1, ZEAMD	1, ZEAMD									
-Disc./Scale	C, BCOR	C, BCOR									
Variety	DKC59-81RIB	DKC59-81RIB									
-Characteristic	RR+LL+BT	RR+LL+BT									
Part Rated											
Assessment Type	PHYCHL	PHYLMA	PLANT	PLANT	PLANT	PLANT	PLANT				
Assessment Unit	%	%	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Sample Size	1	1	1	1	1	1	1				
Sample Size Unit	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT				
Sample Size (total)	1	1	1	1	1	1	1				
# Subsamples	1	1	1	1	1	1	1				
Assessment Date	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022	Jun-15-2022				
Appl.-Ass.Interval											
Days after first Appl.	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA	44 DAA				
Days after last Appl.	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB	12 DAB				
Plant.-Ass.Interval	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1	44 DP1				
Days after Emergence	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1	32 DE-1				
Decimals Printed	0	0	0	0	0	0	0				
ARM Action Codes	P	P									
Untreated											
Entry No.	Entry/Trt. Description	Dose Unit	Dose Unit	Appl. Code	14*	15*	16*	17*	18*	19*	20*
9	TRIVOLT	429.5g ai/ha A			0-	0-	100a	99a	99a	100a	100-
9	ATRAZINE	560g ai/ha A									
9	HARNES MAX	1350g ai/ha B									
9	ATRAZINE	560g ai/ha B									
9	ROUNDUP POWERMAX 3	1260g ai/ha B									
9	N-PAK AMS LIQUID	2.5% v/v B									
10	BICEP II MAGNUM	2300g ai/ha A			0-	0-	99a	99a	98a	100a	100-
10	ACURON GT	2260g ai/ha B									
10	ATRAZINE	560g ai/ha B									
10	PREFERENCE	0.25% v/v B									
10	N-PAK AMS LIQUID	2.5% v/v B									
LSD P=.05							11.2	10.6	11.8	0.5	
Standard Deviation	0.0	0.0					7.7	7.3	8.1	0.3	0.0
CV	0.0	0.0					9.88	9.42	10.87	0.35	0.0
Grand Mean	0.0	0.0					78.4	77.7	74.9	90.0	90.0
Levene's F^							1.999	1.826	6.673	0.711	
Levene's Prob(F)							0.075	0.104	0.00*	0.694	
Rank X2											
P(Rank X2)											
Skewness^							0.0968	-0.4651	0.4867	-3.2005*	
Kurtosis^							2.6467*	2.0815*	0.982	18.2785*	
Replicate F	0.000	0.000					1.587	1.028	0.486	1.000	0.000
Replicate Prob(F)	1.0000	1.0000					0.2155	0.3958	0.6946	0.4079	1.0000
Treatment F	0.000	0.000					65.704	72.408	68.859	39956.560	0.000
Treatment Prob(F)	1.0000	1.0000					0.0001	0.0001	0.0001	0.0001	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	22	23	24	25	26	27	28	29
Orig./Calc. Flag	O	O	O	O	O	O	O	O
SE Group	21	22	23	24	25	26	27	28
SE ID								
SE Label								
Target	5, AMARE	7, IPOHE	1, SETFA	2, ECHCG	3, AMBTR	4, CHEAL	6, ABUTH	5, AMARE
-Disc./Scale	W, BDIC	W, BDIC	W, BGRM	W, BGRM	W, BDIC	W, BDIC	W, BDIC	W, BDIC
Crop								
-Disc./Scale								
Variety								
-Characteristic								
Part Rated								
Assessment Type	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Assessment Unit	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Sample Size	%	%	%	%	%	%	%	%
Sample Size Unit	1	1	1	1	1	1	1	1
Sample Size (total)	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT
# Subsamples	1	1	1	1	1	1	1	1
Assessment Date	Jun-15-2022	Jun-15-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022
Appl.-Ass.Interval								
Days after first Appl.	44 DAA	44 DAA	60 DAA	60 DAA	60 DAA	60 DAA	60 DAA	60 DAA
Days after last Appl.	12 DAB	12 DAB	28 DAB	28 DAB	28 DAB	28 DAB	28 DAB	28 DAB
Plant.-Ass.Interval	44 DP1	44 DP1	60 DP1	60 DP1	60 DP1	60 DP1	60 DP1	60 DP1
Days after Emergence	32 DE-1	32 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1
Decimals Printed	0	0	0	0	0	0	0	0
ARM Action Codes								
Untreated								

Entry No.	Entry/Trt. Description	Dose Unit	21*	22*	23*	24*	25*	26*	27*	28*
1	UNTREATED		0-	0c	0c	0d	0d	0-	0-	0-
2	TRIVOLT	716 g ai/ha A	100-	35bc	77ab	63c	45c	100-	100-	100-
2	ATRAZINE	1122 g ai/ha A								
3	ACURON HERBICIDE	2986 g ai/ha A	100-	38bc	65b	58c	65b	100-	100-	100-
4	RESICORE HERBICIDE	2767 g ai/ha A	100-	40bc	82ab	80b	65b	100-	100-	100-
4	ATRAZINE	1122 g ai/ha A								
5	TRIVOLT	429.5 g ai/ha A	100-	87a	100a	100a	100a	100-	100-	100-
5	ATRAZINE	560 g ai/ha A								
5	DIFLEXX DUO	340.2 g ai/ha B								
5	ATRAZINE	560 g ai/ha B								
5	ROUNDUP POWERMAX 3	1260 g ai/ha B								
5	CLASS ACT RIDION	1% v/v B								
6	TRIVOLT	429.5 g ai/ha A	100-	83a	100a	100a	100a	100-	100-	100-
6	ATRAZINE	560 g ai/ha A								
6	LAUDIS	138.1 g ai/ha B								
6	ATRAZINE	560 g ai/ha B								
6	ROUNDUP POWERMAX 3	1260 g ai/ha B								
6	N-PAK AMS LIQUID	2.5% v/v B								
7	TRIVOLT	429.5 g ai/ha A	100-	70ab	91a	85ab	100a	100-	100-	100-
7	ATRAZINE	560 g ai/ha A								
7	CAPRENO HERBICIDE	119.9 g ai/ha B								
7	ATRAZINE	560 g ai/ha B								
7	N-PAK AMS LIQUID	2.5% v/v B								
8	TRIVOLT	429.5 g ai/ha A	100-	83a	98a	98a	100a	100-	100-	100-
8	ATRAZINE	560 g ai/ha A								
8	CAPRENO HERBICIDE	119.9 g ai/ha B								
8	ATRAZINE	560 g ai/ha B								
8	ROUNDUP POWERMAX 3	1260 g ai/ha B								
8	N-PAK AMS LIQUID	2.5% v/v B								

Means followed by same letter or symbol do not significantly differ (P= .05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	22	23	24	25	26	27	28	29
Orig./Calc. Flag	O	O	O	O	O	O	O	O
SE Group	21	22	23	24	25	26	27	28
SE ID								
SE Label								
Target	5, AMARE	7, IPOHE	1, SETFA	2, ECHCG	3, AMBTR	4, CHEAL	6, ABUTH	5, AMARE
-Disc./Scale	W, BDIC	W, BDIC	W, BGRM	W, BGRM	W, BDIC	W, BDIC	W, BDIC	W, BDIC
Crop								
-Disc./Scale								
Variety								
-Characteristic								
Part Rated								
Assessment Type	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Assessment Unit	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Sample Size	%	%	%	%	%	%	%	%
Sample Size Unit	1	1	1	1	1	1	1	1
Sample Size (total)	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT	PLOT
# Subsamples	1	1	1	1	1	1	1	1
Assessment Date	Jun-15-2022	Jun-15-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022	Jul-1-2022
Appl.-Ass.Interval								
Days after first Appl.	44 DAA	44 DAA	60 DAA	60 DAA	60 DAA	60 DAA	60 DAA	60 DAA
Days after last Appl.	12 DAB	12 DAB	28 DAB	28 DAB	28 DAB	28 DAB	28 DAB	28 DAB
Plant.-Ass.Interval	44 DP1	44 DP1	60 DP1	60 DP1	60 DP1	60 DP1	60 DP1	60 DP1
Days after Emergence	32 DE-1	32 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1
Decimals Printed	0	0	0	0	0	0	0	0
ARM Action Codes								
Untreated								

Entry No.	Entry/Trt. Description	Dose Unit	Dose	Appl. Code	21*	22*	23*	24*	25*	26*	27*	28*
9	TRIVOLT	429.5g ai/ha	A		100-	98a	100a	100a	100a	100-	100-	100-
9	ATRAZINE	560g ai/ha	A									
9	HARNES MAX	1350g ai/ha	B									
9	ATRAZINE	560g ai/ha	B									
9	ROUNDUP POWERMAX 3	1260g ai/ha	B									
9	N-PAK AMS LIQUID	2.5% v/v	B									
10	BICEP II MAGNUM	2300g ai/ha	A		100-	93a	100a	100a	98a	100-	100-	100-
10	ACURON GT	2260g ai/ha	B									
10	ATRAZINE	560g ai/ha	B									
10	PREFERENCE	0.25% v/v	B									
10	N-PAK AMS LIQUID	2.5% v/v	B									
LSD P=.05						29.8	15.8	12.4	8.4			
Standard Deviation	0.0					20.4	10.9	8.5	5.8	0.0	0.0	0.0
CV	0.0					32.81	13.38	10.9	7.5	0.0	0.0	0.0
Grand Mean	90.0					62.3	81.1	78.2	77.2	90.0	90.0	90.0
Levene's F^						0.929	1.849	1.909	3.006			
Levene's Prob(F)						0.515	0.10	0.089	0.011*			
Rank X2												
P(Rank X2)												
Skewness^						0.0587	-0.836*	-1.2455*	0.3204			
Kurtosis^						0.0181	2.4517*	6.4577*	2.0484*			
Replicate F	0.000					0.189	1.799	1.016	2.228	0.000	0.000	0.000
Replicate Prob(F)	1.0000					0.9029	0.1712	0.4008	0.1079	1.0000	1.0000	1.0000
Treatment F	0.000					9.632	32.507	55.701	136.471	0.000	0.000	0.000
Treatment Prob(F)	1.0000					0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	3031
Orig./Calc. Flag	O O
SE Group	2931
SE ID	
SE Label	
Target	7, IPOHE
-Disc./Scale	W, BDIC
Crop	
-Disc./Scale	
Variety	
-Characteristic	
Part Rated	PLANT
Assessment Type	CONTRO
Assessment Unit	%
Sample Size	1
Sample Size Unit	PLOT
Sample Size (total)	1
# Subsamples	1
Assessment Date	Jul-1-2022
Appl.-Ass.Interval	
Days after first Appl.	60 DAA
Days after last Appl.	28 DAB
Plant.-Ass.Interval	60 DP1
Days after Emergence	48 DE-1
Decimals Printed	0
ARM Action Codes	
Untreated	

Entry No.	Entry/Trt. Description	Dose Unit	Dose	Appl. Code	29*	30
1	UNTREATED				0c	
2	TRIVOLT		716g ai/ha A		50b	
2	ATRAZINE		1122g ai/ha A			
3	ACURON HERBICIDE		2986g ai/ha A		45b	
4	RESICORE HERBICIDE		2767g ai/ha A		72ab	
4	ATRAZINE		1122g ai/ha A			
5	TRIVOLT		429.5g ai/ha A		96a	
5	ATRAZINE		560g ai/ha A			
5	DIFLEXX DUO		340.2g ai/ha B			
5	ATRAZINE		560g ai/ha B			
5	ROUNDUP POWERMAX 3		1260g ai/ha B			
5	CLASS ACT RIDION		1% v/v B			
6	TRIVOLT		429.5g ai/ha A		98a	
6	ATRAZINE		560g ai/ha A			
6	LAUDIS		138.1g ai/ha B			
6	ATRAZINE		560g ai/ha B			
6	ROUNDUP POWERMAX 3		1260g ai/ha B			
6	N-PAK AMS LIQUID		2.5% v/v B			
7	TRIVOLT		429.5g ai/ha A		75ab	
7	ATRAZINE		560g ai/ha A			
7	CAPRENO HERBICIDE		119.9g ai/ha B			
7	ATRAZINE		560g ai/ha B			
7	N-PAK AMS LIQUID		2.5% v/v B			
8	TRIVOLT		429.5g ai/ha A		90a	
8	ATRAZINE		560g ai/ha A			
8	CAPRENO HERBICIDE		119.9g ai/ha B			
8	ATRAZINE		560g ai/ha B			
8	ROUNDUP POWERMAX 3		1260g ai/ha B			
8	N-PAK AMS LIQUID		2.5% v/v B			

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 22,29=3.8

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 1,2,3,4,5,10,12,13,14,15,20,21,26,27,28,30 because error mean square = 0.

^Calculated from residual.

# The Ohio State University

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOATRS2 TD Number: LOCALCREATED Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0% MDCPPROT % 100% MDCPPROT  
 Protocol Developer: Riley, Eric  
 License User: Michael, Janis

Unique Col. ID	3031
Orig./Calc. Flag	O O
SE Group	2931
SE ID	
SE Label	
Target	7, IPOHE
-Disc./Scale	W, BDIC
Crop	
-Disc./Scale	
Variety	
-Characteristic	
Part Rated	PLANT
Assessment Type	CONTRO
Assessment Unit	%
Sample Size	1
Sample Size Unit	PLOT
Sample Size (total)	1
# Subsamples	1
Assessment Date	Jul-1-2022
Appl.-Ass.Interval	
Days after first Appl.	60 DAA
Days after last Appl.	28 DAB
Plant.-Ass.Interval	60 DP1
Days after Emergence	48 DE-1
Decimals Printed	0
ARM Action Codes	
Untreated	

Entry No.	Entry/Trt. Description	Dose Unit	Dose	Appl. Code	29*	30
9	TRIVOLT	ai/ha	429.5g	A	99a	
9	ATRAZINE	ai/ha	560g	A		
9	HARNESS MAX	ai/ha	1350g	B		
9	ATRAZINE	ai/ha	560g	B		
9	ROUNDUP POWERMAX 3	ai/ha	1260g	B		
9	N-PAK AMS LIQUID	v/v	2.5%	B		
10	BICEP II MAGNUM	ai/ha	2300g	A	98a	
10	ACURON GT	ai/ha	2260g	B		
10	ATRAZINE	ai/ha	560g	B		
10	PREFERENCE	v/v	0.25%	B		
10	N-PAK AMS LIQUID	v/v	2.5%	B		

LSD P=.05	28.8	.
Standard Deviation	19.8	.
CV	27.67	.
Grand Mean	71.5	.
Levene's F^	2.004	.
Levene's Prob(F)	0.077	.
Rank X2	.	.
P(Rank X2)	.	.
Skewness^	-0.3123	.
Kurtosis^	0.4995	.
Replicate F	1.111	.
Replicate Prob(F)	0.3632	.
Treatment F	10.348	.
Treatment Prob(F)	0.0001	.

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### SE ID

PE12AD1 = Estimation % phytotoxicity (PHYGEN) (symptoms describe in co  
 EE22AD3 = 1 weed, % efficacy, in untreated % coverage

### Target

- 1, SETFA, W, BGRM, , , = Setaria faberi HERRM.
- 2, ECHCG, W, BGRM, , , = Echinochloa crus-galli (L.) P.
- 3, AMBTR, W, BDIC, , , = Ambrosia trifida L.
- 4, CHEAL, W, BDIC, , , = Chenopodium album L.
- 6, ABUTH, W, BDIC, , , = Abutilon theophrasti MEDIK.
- 5, AMARE, W, BDIC, , , = Amaranthus retroflexus L.
- 7, IPOHE, W, BDIC, , , = Ipomoea hederacea (L.) JACQ.

### Crop

- 1, ZEAMD, C, BCOR, DKC59-81RIB, RR+LL+BT = Zea mays L. ssp. indentata STU

### Part Rated

PLANT = Plant

### Assessment Type

- PHYGEN = Phytotoxicity - General, Injury  
 PHYSTU = Phytotoxicity - Stunting  
 PHYNEC = Phytotoxicity - Necrosis, Burn  
 PHYCHL = Phytotoxicity - Chlorosis  
 PHYLMA = Phytotoxicity - Leaf Malformation  
 CONTRO = Control

### Assessment Unit

% = Percent

### Sample Size Unit

PLOT = Plot

### Plant.-Ass.Interval

- 21 DP1 = 1 ZEAMD May-2-2022  
 31 DP1 = 1 ZEAMD May-2-2022  
 44 DP1 = 1 ZEAMD May-2-2022  
 60 DP1 = 1 ZEAMD May-2-2022

### ARM Action Codes

- P = Rating scale of 0 to 100 (e.g. control or injury)  
 EC = Do not analyze untreated check, and report check treatment mean on AOV Means Tab

### Untreated

CANOPY = Canopy