

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR OUTLOOK, OR ZIDUA, OR WARRANT			
Trial ID:	CN-07-25	Study Dir.:	WILSON/MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC						A			-	101	203	301	404
2	HALEX GT	4.389	SC	58 oz/a		EPOST A		15 GPA	45.31 mL/mx	1400.9 mL	102	206	305	403
	AATREX	4	L	64.0 oz/a		EPOST A		15 GPA	50.0 mL/mx					
	INDUCE			0.25 % v/v		EPOST A		15 GPA	3.75 mL/mx					
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a		EPOST A		15 GPA	19.77 mL/mx	1415.4 mL	103	201	302	405
	CALLISTO	4	SC	3.0 oz/a		EPOST A		15 GPA	2.344 mL/mx					
	DUAL MAGNUM	7.62	EC	16.0 oz/a		EPOST A		15 GPA	12.5 mL/mx					
	AATREX	4	L	64.0 oz/a		EPOST A		15 GPA	50.0 mL/mx					
	INDUCE			0.25 % v/v				15 GAL/AC	3.75 mL/mx	1496.3 mL				
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a		EPOST A		15 GPA	39.53 mL/mx	1330.8 mL	104	202	304	406
	CALLISTO	4	SC	6.0 oz/a		EPOST A		15 GPA	4.687 mL/mx					
	DUAL MAGNUM	7.62	EC	32.0 oz/a		EPOST A		15 GPA	25.0 mL/mx					
	AATREX	4	L	128.0 oz/a		EPOST A		15 GPA	100.0 mL/mx					
	INDUCE			0.25 % v/v				15 GAL/AC	3.75 mL/mx	1496.3 mL				
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a		EPOST A		15 GPA	19.77 mL/mx	1415.4 mL	105	204	306	402
	CALLISTO	4	SC	3.0 oz/a		EPOST A		15 GPA	2.344 mL/mx					
	OUTLOOK	6	EC	16.0 oz/a		EPOST A		15 GPA	12.5 mL/mx					
	AATREX	4	L	64.0 oz/a		EPOST A		15 GPA	50.0 mL/mx					
	INDUCE			0.25 % v/v				15 GAL/AC	3.75 mL/mx	1496.3 mL				
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a		EPOST A		15 GPA	19.77 mL/mx	1425.9 mL	106	205	303	401
	CALLISTO	4	SC	3.0 oz/a		EPOST A		15 GPA	2.344 mL/mx					
	ZIDUA	4.17	SC	2.5 oz/a		EPOST A		15 GPA	1.953 mL/mx					
	AATREX	4	L	64.0 oz/a		EPOST A		15 GPA	50.0 mL/mx					
	INDUCE			0.25 % v/v				15 GAL/AC	3.75 mL/mx	1496.3 mL				

Sort Order: Treatment

Trial Comments

HALEX GT = S-MOC (2.09 LBS/GAL) + GLYPHOSATE (2.09 LBS AE/GAL) + MESOTRIONE (0.209 LBS/GAL)

HALEX GT 58 OZ/A = S-MOC @ 0.947 LBS/A + GLYPHOSATE @ 0.947 LBS AE/A + MESOTRIONE @ 0.0947 LBS/A

ROUNDUP P-MAX3 = 5.88 LBS AI/GAL/4.8 LB AE/GAL (K-SALT)

MISSING YIELD DATA IN PLOTS 104 AND 304 DUE TO COMBINE PROBLEMS.

HARVEST DATE: 08/27/25

HARVEST MOISTURE: 15.12%

YIELDS ADJUSTED TO 15.5% MOISTURE.

SUMMARY:

- 1) AT 6 DAT, ROUNDUP + CALLISTO + ATRAZINE + DUAL MAGNUM AND ROUNDUP + CALLISTO + ATRAZINE + ZIDUA WERE SLIGHTLY MORE INJURIOUS THAN HALEX GT.
- 2) WEED CONTROL WITH HALEX GT AND ROUNDUP + CALLISTO + ATRAZINE + ANY GROUP 15 (DUAL MAGNUM, OUTLOOK, OR ZIDUA) WAS SIMILAR.
- 3) THERE WAS NO DIFFERENCE IN TOTAL WEED COVER AT HARVEST BETWEEN THE HERBICIDE TREATED PLOTS.
- 4) ALL HERBICIDE TREATED PLOTS HAD GREATER YIELDS THAN THE NTC. THERE WAS NO DIFFERENCE IN CORN YIELD BETWEEN HERBICIDE TREATMENTS EVEN WITH 2X RATES OF ROUNDUP + CALLISTO + ATRAZINE + DUAL MAGNUM. YIELDS OF HERBICIDE TREATED PLOTS RANGED BETWEEN **261-279 BU/A**.

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HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
OUTLOOK, OR ZIDUA, OR WARRANT

Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Study Director: WILSON/MCLEAN **Title:** _____
Affiliation: _____
Postal Code: _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____
Postal Code: _____

TRIAL LOCATION

City: _____ **Trial Status:** E
State/Prov.: _____ **Trial Reliability:** _____
Postal Code: _____ **Initiation Date:** _____
Country: _____ **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AGRASS	TX	APN/CRB/GOOSE/CROW
2.	AMAPA	PA	LMER AMARANTH
3.	RAPRA	WI	LD RADISH
4.	MOLVE	CA	RPETWEED

Crop 1: ZEAMA FIELD CORN **Variety:** P2042VYHR
Planting Date: Apr-3-25 **Planting Method:** MONOSEM
Rate: 31114 S/A **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: 36 IN **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2024

MAINTENANCE

Field Prep./Maintenance: 750 LBS/A 5-15-30 - PREPLANT
 AXILO BMZ @ 2 LBS/A - APRIL 17
 50-0-0 LBS/A: APRIL 22
 83-0-0-10(S) LBS/A: APRIL 30, MAY 6, MAY 14

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 Location: PONDER FARM Investigator: Eric P. Prostko

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.							

% Sand: 94 % OM: 0.64 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.6 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-4-25		0.35	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-7-25		4.9	IN	RAINFALL		
3.	Apr-11-25		0.1	IN	RAINFALL		
4.	Apr-15-25		0.2	IN	SPRINKLER - LATERAL MOVE		
5.	Apr-17-25		0.3	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-27-25		0.8	IN	RAINFALL		
7.	May-1-25		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	May-3-25		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-6-25		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-9-25		0.47	IN	RAINFALL		
11.	May-10-25		0.11	IN	RAINFALL		
12.	May-11-25		0.42	IN	RAINFALL		
13.	May-16-25		0.5	IN	SPRINKLER - LATERAL MOVE		
14.	May-18-25		0.15	IN	SPRINKLER - LATERAL MOVE		
15.	May-19-25		0.4	IN	SPRINKLER - LATERAL MOVE		
16.	May-21-25		0.5	IN	SPRINKLER - LATERAL MOVE		
17.	May-21-25		0.3	IN	RAINFALL		
18.	May-23-25		0.5	IN	SPRINKLER - LATERAL MOVE		
19.	May-26-25		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

APPLICATION DESCRIPTION

	A
Application Date:	Apr-19-25
Time of Day:	7:00 AM
Application Method:	BROADCAST
Application Timing:	EPOST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	62 F
% Relative Humidity:	93
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	Y
Water Hardness:	--
Soil Temp., Unit:	62 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	5

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HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR OUTLOOK, OR ZIDUA, OR WARRANT			
Trial ID:	CN-07-25	Study Dir.:	WILSON/MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ZEAMA,
Stage Scale:	V3-4
Height, Unit:	4, IN

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	AGRAS,
Stage Scale:	
Density, Unit:	1-2"
Weed 2 Code, Stage:	AMAPA,
Stage Scale:	
Density, Unit:	1-2"
Weed 3 Code, Stage:	RAPRA,
Stage Scale:	
Density, Unit:	1-2"
Weed 4 Code, Stage:	MOLVE,
Stage Scale:	
Density, Unit:	

APPLICATION EQUIPMENT

	A
Appl. Equipment:	BACKPACK
Operating Pressure:	38
Nozzle Type:	AIXR
Nozzle Size:	11002
Nozzle Spacing, Unit:	20 IN
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	20 IN
Boom Height, Unit:	20 IN
Ground Speed, Unit:	3.5 MPH
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	WATER
Spray Volume, Unit:	15 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	

Trt No	Treatment Application Comment

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HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
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 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				-----	-----	-----	-----	Amapa	Rapra			
Crop Code				Zeama	Zeama	Zeama	Zeama	-----	-----			
Rating Data Type				Stunting	Necrosis	Stunting	Necrosis	Control	Control			
Rating Unit				%	%	%	%	%	%			
Rating Date				Apr-21-25	Apr-21-25	Apr-25-25	Apr-25-25	Apr-25-25	Apr-25-25			
Trt-Eval Interval				2 DA-A	2 DA-A	6 DA-A	6 DA-A	6 DA-A	6 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg						
							1	2	3	4	5	6
1	NTC						0.0 b	0.0 b	0.0 d	0.0 d	0.0 na	0.0 na
2	HALEX GT	4.389	SC	58 oz/a	EPOST		0.0 b	0.0 b	3.8 c	2.5 cd	99.0 na	99.0 na
	AATREX	4 L		64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v	EPOST							
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		0.0 b	0.0 b	7.5 b	6.3 b	99.0 na	99.0 na
	CALLISTO	4 SC		3.0 oz/a	EPOST							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST							
	AATREX	4 L		64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST		3.8 a	12.5 a	13.8 a	17.5 a	99.0 na	99.0 na
	CALLISTO	4 SC		6.0 oz/a	EPOST							
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST							
	AATREX	4 L		128.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		1.3 b	3.8 b	3.8 c	3.8 bc	99.0 na	99.0 na
	CALLISTO	4 SC		3.0 oz/a	EPOST							
	OUTLOOK	6 EC		16.0 oz/a	EPOST							
	AATREX	4 L		64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		0.0 b	0.0 b	7.5 b	3.8 bc	99.0 na	99.0 na
	CALLISTO	4 SC		3.0 oz/a	EPOST							
	ZIDUA	4.17	SC	2.5 oz/a	EPOST							
	AATREX	4 L		64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
LSD P=.10							1.96	6.33	3.12	3.62	.	.
Standard Deviation							1.58	5.10	2.51	2.92	0.00	0.00
CV							189.74	188.42	41.61	51.96	0.0	0.0
Grand Mean							0.83	2.71	6.04	5.63	82.50	82.50
Bartlett's X2^							763.777*	45.509*	2.779	3.733	.	.
P(Bartlett's X2)							0.00*	0.00*	0.734	0.588	.	.
Rank X2							.	.	.	.	.	.
P(Rank X2)							.	.	.	.	.	.
Skewness^							0.0	-0.1094	0.5315	0.7516	.	.
P(Skewness)^							1.0	0.8291	0.3001	0.1474	.	.
Kurtosis^							5.2771*	4.9997*	-0.3803	0.3535	.	.
P(Kurtosis)^							0.0*	0.0*	0.6998	0.72	.	.
Replicate F							0.000	0.040	3.242	3.049	NaN	NaN
Replicate Prob(F)							1.0000	0.9889	0.0519	0.0612	NaN	NaN
Treatment F							3.667	3.880	14.011	17.780	NaN	NaN
Treatment Prob(F)							0.0229	0.0186	0.0001	0.0001	NaN	NaN

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=20,21
 Could not calculate LSD (% mean diff) or mean separation letters for columns 5,6,7,9,10,11,12,14,15,17,18 because error variance is 0.
 Mean separation letters are 'na' (not applicable) when error variance is 0
 ^Calculated from residual.

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HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR OUTLOOK, OR ZIDUA, OR WARRANT													
Trial ID: CN-07-25		Study Dir.: WILSON/MCLEAN											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Agrass ----- Control % Apr-25-25 6 DA-A	Zeama ----- Stunting % May-7-25 18 DA-A	Amapa ----- Control % May-7-25 18 DA-A	Rapra ----- Control % May-7-25 18 DA-A	Agrass ----- Control % May-7-25 18 DA-A	Molve ----- Control % May-7-25 18 DA-A	Zeama ----- Stunting May-21-25 32 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	7	8	9	10	11	12	13
1	NTC						0.0 na	0.0 -	0.0 na	0.0 na	0.0 na	0.0 na	0.0 c
2	HALEX GT AATREX INDUCE	4.389 4 L	SC	58 oz/a 64.0 oz/a 0.25 % v/v	EPOST EPOST EPOST		99.0 na	5.0 -	99.0 na	99.0 na	99.0 na	99.0 na	0.0 c
3	ROUNDUP P-MAX3 CALLISTO DUAL MAGNUM AATREX INDUCE	5.88 4 SC 7.62 EC 4 L	SL SC EC	25.3 oz/a 3.0 oz/a 16.0 oz/a 64.0 oz/a 0.25 % v/v	EPOST EPOST EPOST EPOST EPOST		99.0 na	10.0 -	99.0 na	99.0 na	99.0 na	99.0 na	1.3 bc
4	ROUNDUP P-MAX3 CALLISTO DUAL MAGNUM AATREX INDUCE	5.88 4 SC 7.62 EC 4 L	SL SC EC	50.6 oz/a 6.0 oz/a 32.0 oz/a 128.0 oz/a 0.25 % v/v	EPOST EPOST EPOST EPOST EPOST		99.0 na	8.8 -	99.0 na	99.0 na	99.0 na	99.0 na	5.0 ab
5	ROUNDUP P-MAX3 CALLISTO OUTLOOK AATREX INDUCE	5.88 4 SC 6 EC 4 L	SL SC EC	25.3 oz/a 3.0 oz/a 16.0 oz/a 64.0 oz/a 0.25 % v/v	EPOST EPOST EPOST EPOST EPOST		99.0 na	5.0 -	99.0 na	99.0 na	99.0 na	99.0 na	1.3 bc
6	ROUNDUP P-MAX3 CALLISTO ZIDUA AATREX INDUCE	5.88 4 SC 4.17 SC 4 L	SL SC SC	25.3 oz/a 3.0 oz/a 2.5 oz/a 64.0 oz/a 0.25 % v/v	EPOST EPOST EPOST EPOST EPOST		99.0 na	6.3 -	99.0 na	99.0 na	99.0 na	99.0 na	8.8 a
LSD P=.10							.00	6.09	.00	.00	.00	.00	4.47
Standard Deviation							0.00	4.92	0.00	0.00	0.00	0.00	3.60
CV							0.0	84.27	0.0	0.0	0.0	0.0	133.06
Grand Mean							82.50	5.83	82.50	82.50	82.50	82.50	2.71
Bartlett's X2^							.0	4.954	.0	.0	.0	.0	7.998
P(Bartlett's X2)							.0	0.422	.0	.0	.0	.0	0.156
Rank X2							.0	.0	.0	.0	.0	.0	.0
P(Rank X2)							.0	.0	.0	.0	.0	.0	.0
Skewness^							.0	-0.2685	.0	.0	.0	.0	0.0
P(Skewness)^							.0	0.5974	.0	.0	.0	.0	1.0
Kurtosis^							.0	-0.4708	.0	.0	.0	.0	0.4659
P(Kurtosis)^							.0	0.6334	.0	.0	.0	.0	0.637
Replicate F							NaN	1.034	NaN	NaN	NaN	NaN	1.578
Replicate Prob(F)							NaN	0.4056	NaN	NaN	NaN	NaN	0.2363
Treatment F							NaN	2.034	NaN	NaN	NaN	NaN	3.738
Treatment Prob(F)							NaN	0.1316	NaN	NaN	NaN	NaN	0.0213

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 Mean separation letters are 'na' (not applicable) when error variance is 0
 ^Calculated from residual.

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 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Amapa	Rapra	Agrass	Molve	Amapa	Total			
Crop Code				-----	-----	-----	-----	-----	Weed			
Rating Data Type				Control	Control	Control	Control	Control	Cover			
Rating Unit				%	%	%	%	%	%			
Rating Date				May-21-25	May-21-25	May-21-25	May-21-25	Aug-19-25	Aug-19-25			
Trt-Eval Interval				32 DA-A	32 DA-A	32 DA-A	32 DA-A	122 DA-A	122 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Grow Stg	14	15	16	17	18	19
1	NTC						0.0 na	0.0 na	0.0 b	0.0 na	0.0 na	82.5 a
2	HALEX GT	4.389	SC	58 oz/a	EPOST		99.0 na	99.0 na	98.0 a	99.0 na	99.0 na	10.0 b
	AATREX	4	L	64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v	EPOST							
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		99.0 na	99.0 na	98.0 a	99.0 na	99.0 na	8.8 b
	CALLISTO	4	SC	3.0 oz/a	EPOST							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST							
	AATREX	4	L	64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST		99.0 na	99.0 na	98.0 a	99.0 na	99.0 na	7.5 b
	CALLISTO	4	SC	6.0 oz/a	EPOST							
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST							
	AATREX	4	L	128.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		99.0 na	99.0 na	99.0 a	99.0 na	99.0 na	10.0 b
	CALLISTO	4	SC	3.0 oz/a	EPOST							
	OUTLOOK	6	EC	16.0 oz/a	EPOST							
	AATREX	4	L	64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		99.0 na	99.0 na	99.0 a	99.0 na	99.0 na	8.8 b
	CALLISTO	4	SC	3.0 oz/a	EPOST							
	ZIDUA	4.17	SC	2.5 oz/a	EPOST							
	AATREX	4	L	64.0 oz/a	EPOST							
	INDUCE			0.25 % v/v								
LSD P=.10				.	.	1.36	.	.	.	.	.	5.47
Standard Deviation				0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	4.41
CV				0.0	0.0	1.34	0.0	0.0	0.0	0.0	0.0	20.75
Grand Mean				82.50	82.50	82.00	82.50	82.50	82.50	82.50	82.50	21.25
Bartlett's X2^				.	.	0.00	.	.	.	.	.	1.282
P(Bartlett's X2)				.	.	1.00	.	.	.	.	.	0.937
Rank X2				.	.	.	.	.	.	.	.	.
P(Rank X2)				.	.	.	.	.	.	.	.	.
Skewness^				.	.	0.0	.	.	.	.	.	0.1969
P(Skewness)^				.	.	1.0	.	.	.	.	.	0.698
Kurtosis^				.	.	-0.531	.	.	.	.	.	-0.8123
P(Kurtosis)^				.	.	0.5909	.	.	.	.	.	0.413
Replicate F				NaN	NaN	5.000	NaN	NaN	NaN	NaN	NaN	0.786
Replicate Prob(F)				NaN	NaN	0.0134	NaN	NaN	NaN	NaN	NaN	0.5203
Treatment F				NaN	NaN	5380.000	NaN	NaN	NaN	NaN	NaN	185.400
Treatment Prob(F)				NaN	NaN	0.0001	NaN	NaN	NaN	NaN	NaN	0.0001

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=20,21
 Could not calculate LSD (% mean diff) or mean separation letters for columns 5,6,7,9,10,11,12,14,15,17,18 because error variance is 0.
 Mean separation letters are 'na' (not applicable) when error variance is 0
 ^Calculated from residual.

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
 OUTLOOK, OR ZIDUA, OR WARRANT
 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				-----		-----	
Crop Code				ZEAMA		ZEAMA	
Rating Data Type				YIELD		YIELD	
Rating Unit				LBS/PLOT		BU/A	
Rating Date				Aug-27-25		Aug-27-25	
Trt-Eval Interval				130 DA-A		130 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	
1	NTC						47.0 c 244.8 c
2	HALEX GT	4.389	SC	58 oz/a	EPOST		53.0 a 276.1 a
	AATREX	4	L	64.0 oz/a	EPOST		
	INDUCE			0.25 % v/v	EPOST		
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		50.0 b 260.5 b
	CALLISTO	4	SC	3.0 oz/a	EPOST		
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST		
	AATREX	4	L	64.0 oz/a	EPOST		
	INDUCE			0.25 % v/v			
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST		53.5 a 278.7 a
	CALLISTO	4	SC	6.0 oz/a	EPOST		
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST		
	AATREX	4	L	128.0 oz/a	EPOST		
	INDUCE			0.25 % v/v			
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		52.8 a 274.8 a
	CALLISTO	4	SC	3.0 oz/a	EPOST		
	OUTLOOK	6	EC	16.0 oz/a	EPOST		
	AATREX	4	L	64.0 oz/a	EPOST		
	INDUCE			0.25 % v/v			
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST		52.8 a 274.8 a
	CALLISTO	4	SC	3.0 oz/a	EPOST		
	ZIDUA	4.17	SC	2.5 oz/a	EPOST		
	AATREX	4	L	64.0 oz/a	EPOST		
	INDUCE			0.25 % v/v			
LSD P=.10							2.74 14.25
Standard Deviation							2.19 11.38
CV							4.24 4.24
Grand Mean							51.50 268.27
Bartlett's X2^							. .
P(Bartlett's X2)							. .
Rank X2							. .
P(Rank X2)							. .
Skewness^							0.3836 0.3836
P(Skewness)^							0.472 0.472
Kurtosis^							1.003 1.003
P(Kurtosis)^							0.335 0.335
Replicate F							0.273 0.273
Replicate Prob(F)							0.8435 0.8435
Treatment F							5.340 5.340
Treatment Prob(F)							0.0069 0.0069

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=20,21
 Could not calculate LSD (% mean diff) or mean separation letters for columns 5,6,7,9,10,11,12,14,15,17,18 because error variance is 0.
 Mean separation letters are 'na' (not applicable) when error variance is 0
 ^Calculated from residual.

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR OUTLOOK, OR ZIDUA, OR WARRANT			
Trial ID:	CN-07-25	Study Dir.:	WILSON/MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

<u>Rating Unit</u> % = PERCENT <u>ARM Action Codes</u> TY1 = 5.20903466*[20]

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
 OUTLOOK, OR ZIDUA, OR WARRANT
 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	-----	-----	-----	Amapa	Rapra
Crop Code							Zeama	Zeama	Zeama	Zeama	-----	-----
Rating Data Type							Stunting	Necrosis	Stunting	Necrosis	Control	Control
Rating Unit							%	%	%	%	%	%
Rating Date							Apr-21-25	Apr-21-25	Apr-25-25	Apr-25-25	Apr-25-25	Apr-25-25
Trt-Eval Interval							2 DA-A	2 DA-A	6 DA-A	6 DA-A	6 DA-A	6 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Plot	1	2	3	4	5	6
1	NTC					101	0.0	0.0	0.0	0.0	0.0	0.0
						203	0.0	0.0	0.0	0.0	0.0	0.0
						301	0.0	0.0	0.0	0.0	0.0	0.0
						404	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	HALEX GT	4.389	SC	58 oz/a	EPOST	102	0.0	0.0	10.0	0.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	206	0.0	0.0	5.0	5.0	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	305	0.0	0.0	0.0	0.0	99.0	99.0
						403	0.0	0.0	0.0	5.0	99.0	99.0
						Mean =	0.0	0.0	3.8	2.5	99.0	99.0
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	103	0.0	0.0	10.0	5.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	201	0.0	0.0	5.0	10.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	302	0.0	0.0	5.0	5.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	405	0.0	0.0	10.0	5.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =	0.0	0.0	7.5	6.3	99.0	99.0
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST	104	0.0	0.0	15.0	15.0	99.0	99.0
	CALLISTO	4	SC	6.0 oz/a	EPOST	202	5.0	15.0	15.0	20.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST	304	5.0	15.0	15.0	15.0	99.0	99.0
	AATREX	4	L	128.0 oz/a	EPOST	406	5.0	20.0	10.0	20.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =	3.8	12.5	13.8	17.5	99.0	99.0
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	105	5.0	15.0	5.0	5.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	204	0.0	0.0	5.0	10.0	99.0	99.0
	OUTLOOK	6	EC	16.0 oz/a	EPOST	306	0.0	0.0	5.0	0.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	402	0.0	0.0	0.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =	1.3	3.8	3.8	3.8	99.0	99.0
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	106	0.0	0.0	10.0	10.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	205	0.0	0.0	10.0	5.0	99.0	99.0
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	303	0.0	0.0	5.0	0.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	401	0.0	0.0	5.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =	0.0	0.0	7.5	3.8	99.0	99.0

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
 OUTLOOK, OR ZIDUA, OR WARRANT
 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Agrass	-----	Amapa	Rapra	Agrass	Molve				
Crop Code				-----	Zeama	-----	-----	-----	-----				
Rating Data Type				Control	Stunting	Control	Control	Control	Control				
Rating Unit				%	%	%	%	%	%				
Rating Date				Apr-25-25	May-7-25	May-7-25	May-7-25	May-7-25	May-7-25				
Trt-Eval Interval				6 DA-A	18 DA-A	18 DA-A	18 DA-A	18 DA-A	18 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Plot	7	8	9	10	11	12
1	NTC						101	0.0	0.0	0.0	0.0	0.0	0.0
							203	0.0	0.0	0.0	0.0	0.0	0.0
							301	0.0	0.0	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	HALEX GT	4.389	SC	58 oz/a	EPOST	102		99.0	5.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	206		99.0	5.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	305		99.0	5.0	99.0	99.0	99.0	99.0
						403		99.0	5.0	99.0	99.0	99.0	99.0
						Mean =		99.0	5.0	99.0	99.0	99.0	99.0
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	103		99.0	15.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	201		99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	302		99.0	15.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	405		99.0	10.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v									
						Mean =		99.0	10.0	99.0	99.0	99.0	99.0
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST	104		99.0	15.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	6.0 oz/a	EPOST	202		99.0	5.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST	304		99.0	5.0	99.0	99.0	99.0	99.0
	AATREX	4	L	128.0 oz/a	EPOST	406		99.0	10.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v									
						Mean =		99.0	8.8	99.0	99.0	99.0	99.0
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	105		99.0	0.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	204		99.0	10.0	99.0	99.0	99.0	99.0
	OUTLOOK	6	EC	16.0 oz/a	EPOST	306		99.0	10.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	402		99.0	0.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v									
						Mean =		99.0	5.0	99.0	99.0	99.0	99.0
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	106		99.0	5.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	205		99.0	5.0	99.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	303		99.0	15.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	401		99.0	0.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v									
						Mean =		99.0	6.3	99.0	99.0	99.0	99.0

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
 OUTLOOK, OR ZIDUA, OR WARRANT
 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				-----	Amapa	Rapra	Agrass	Molve				
Crop Code				Zeama	-----	-----	-----	-----				
Rating Data Type				Stunting	Control	Control	Control	Control				
Rating Unit					%	%	%	%				
Rating Date												
Trt-Eval Interval				May-21-25	May-21-25	May-21-25	May-21-25	May-21-25				
				32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Plot	13	14	15	16	17
1	NTC						101	0.0	0.0	0.0	0.0	0.0
							203	0.0	0.0	0.0	0.0	0.0
							301	0.0	0.0	0.0	0.0	0.0
							404	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0
2	HALEX GT	4.389	SC	58 oz/a	EPOST	102		0.0	99.0	99.0	95.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	206		0.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	EPOST	305		0.0	99.0	99.0	99.0	99.0
						403		0.0	99.0	99.0	99.0	99.0
						Mean =		0.0	99.0	99.0	98.0	99.0
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	103		5.0	99.0	99.0	95.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	201		0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	302		0.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	405		0.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =		1.3	99.0	99.0	98.0	99.0
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST	104		10.0	99.0	99.0	95.0	99.0
	CALLISTO	4	SC	6.0 oz/a	EPOST	202		0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST	304		5.0	99.0	99.0	99.0	99.0
	AATREX	4	L	128.0 oz/a	EPOST	406		5.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =		5.0	99.0	99.0	98.0	99.0
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	105		0.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	204		5.0	99.0	99.0	99.0	99.0
	OUTLOOK	6	EC	16.0 oz/a	EPOST	306		0.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	402		0.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =		1.3	99.0	99.0	99.0	99.0
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	106		15.0	99.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0 oz/a	EPOST	205		0.0	99.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	303		5.0	99.0	99.0	99.0	99.0
	AATREX	4	L	64.0 oz/a	EPOST	401		15.0	99.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v								
						Mean =		8.8	99.0	99.0	99.0	99.0

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR
 OUTLOOK, OR ZIDUA, OR WARRANT
 Trial ID: CN-07-25 Study Dir.: WILSON/MCLEAN
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Amapa	Total	-----	-----
Crop Code				-----	Weed	ZEAMA	ZEAMA
Rating Data Type				Control	Cover	YIELD	YIELD
Rating Unit				%	%	LBS/PLOT	BU/A
Rating Date				Aug-19-25	Aug-19-25	Aug-27-25	Aug-27-25
Trt-Eval Interval				122 DA-A	122 DA-A	130 DA-A	130 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Plot
1	NTC						101
							203
							301
							404
							Mean =
2	HALEX GT	4.389	SC	58 oz/a	EPOST	102	101
	AATREX	4	L	64.0 oz/a	EPOST	206	203
	INDUCE			0.25 % v/v	EPOST	305	301
							403
							Mean =
3	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	103	101
	CALLISTO	4	SC	3.0 oz/a	EPOST	201	203
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	302	301
	AATREX	4	L	64.0 oz/a	EPOST	405	404
	INDUCE			0.25 % v/v			Mean =
4	ROUNDUP P-MAX3	5.88	SL	50.6 oz/a	EPOST	104	101
	CALLISTO	4	SC	6.0 oz/a	EPOST	202	203
	DUAL MAGNUM	7.62	EC	32.0 oz/a	EPOST	304	301
	AATREX	4	L	128.0 oz/a	EPOST	406	404
	INDUCE			0.25 % v/v			Mean =
5	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	105	101
	CALLISTO	4	SC	3.0 oz/a	EPOST	204	203
	OUTLOOK	6	EC	16.0 oz/a	EPOST	306	301
	AATREX	4	L	64.0 oz/a	EPOST	402	404
	INDUCE			0.25 % v/v			Mean =
6	ROUNDUP P-MAX3	5.88	SL	25.3 oz/a	EPOST	106	101
	CALLISTO	4	SC	3.0 oz/a	EPOST	205	203
	ZIDUA	4.17	SC	2.5 oz/a	EPOST	303	301
	AATREX	4	L	64.0 oz/a	EPOST	401	404
	INDUCE			0.25 % v/v			Mean =

University of Georgia

HALEX GT VS. CALLISTO + ATRAZINE + DUAL MAGNUM OR OUTLOOK, OR ZIDUA, OR WARRANT			
Trial ID:	CN-07-25	Study Dir.:	WILSON/MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

<u>Rating Unit</u> % = PERCENT <u>ARM Action Codes</u> TY1 = 5.20903466*[20]
