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HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3
1	NTC								-	101	206	311
	NTC								-			
2	NTC								-	102	209	308
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	EPOST	B	25.0 mL/mx	1412.5 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	PROWL H20	3.8	SC	32.0	oz/a	EPOST	B	25.0 mL/mx				
3	NTC								-	103	208	303
	HALEX GT	4.39	SC	58.0	oz/a	EPOST	B	45.31 mL/mx	1450.9 mL			
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
4	NTC								-	104	203	301
	HALEX GT	4.39	SC	58.0	oz/a	EPOST	B	45.31 mL/mx	1413.4 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
5	NTC								-	105	212	307
	ACURON GT	4.29	SC	60.0	oz/a	EPOST	B	46.87 mL/mx	1449.4 mL			
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
6	NTC								-	106	204	310
	ACURON GT	4.29	SC	60.0	oz/a	EPOST	B	46.87 mL/mx	1411.9 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
7	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	107	205	306
	NTC								-			
8	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	108	210	302
	ROUNDUP POWERMAX	5.5	SL	32.0	oz/a	EPOST	B	25.0 mL/mx	1412.5 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	PROWL H20	3.8	SC	32.0	oz/a	EPOST	B	25.0 mL/mx				
9	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	109	211	312
	HALEX GT	4.39	SC	58.0	oz/a	EPOST	B	45.31 mL/mx	1450.9 mL			
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
10	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	110	202	305
	HALEX GT	4.39	SC	58.0	oz/a	EPOST	B	45.31 mL/mx	1413.4 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
11	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	111	201	309
	ACURON GT	4.29	SC	60.0	oz/a	EPOST	B	46.87 mL/mx	1449.4 mL			
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				
12	ATRAZINE	4	L	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	112	207	304
	ACURON GT	4.29	SC	60.0	oz/a	EPOST	B	46.87 mL/mx	1411.9 mL			
	ATRAZINE	4	L	48.0	oz/a	EPOST	B	37.5 mL/mx				
	INDUCE			0.25	% v/v	EPOST	B	3.75 mL/mx				

Sort Order: Replicate 1

Trial Comments

HALEX GT = S-MOC (2.09 LB/GAL) + MESOTRIONE (0.209 LB/GAL) + GLYPHOSATE (2.09 LB/GAL)
ACURON GT = BICYCLOPYRONE (0.09 LB/GAL) + MESOTRIONE (0.20 LB/GAL) + S-MOC (2.0 LB/GAL) + GLYPHOSATE (2.0 LB/GAL)

LAST TILLAGE: APRIL 8

HARVEST MOISTURE: 16.97%
YIELDS ADJUSTED TO 15.5% MOISTURE.

SUMMARY:

1) NO SIGNIFICANT CROP INJURY WAS OBSERVED FROM ANY TREATMENT.

2) GENERALLY ON JUNE 16 (68 DAP), ALL TREATMENTS PROVIDED AT LEAST 85% CONTROL OF PALMER AMARANTH,

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WILD RADISH, AND ANNUAL GRASSES EXCEPT FOR PRE APPLIED ATRAZINE (ONLY 17% CONTROL OF ANNUAL GRASSES).

3) NO DIFFERENCES IN WEED CONTROL BETWEEN HALEX GT AND ACURON GT WERE OBSERVED.

4) WHEN AVERAGED OVER ALL POST TREATMENTS, PRE APPLICATIONS OF ATRAZINE DID NOT SIGNIFICANTLY IMPROVE YIELDS WHEN COMPARED TO NO ATRAZINE (P= 0.4211).

5) WHEN AVERAGED OVER PRE TREATMENTS, ALL POST TREATMENTS RESULTED IN HIGHER YIELDS THAN THE NTC. CORN YIELDS FROM POST APPLICATIONS OF HALEX GT OR ACURON GT WERE NOT SIGNIFICANTLY DIFFERENT THAN YIELDS FROM POST APPLICATIONS OF THE CURRENT ROUNDUP + ATRAZINE + PROWL STANDARD.

GENERAL TRIAL INFORMATION

Study Director: HENRY MCLEAN **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: E **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective:

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** AGRASS CROW;GOOSE;CRAB;TX PANICUM
Weed 3. RAPRA WILD RADISH **4.** _____ _____

Crop 1: ZEAMA FIELD CORN **Variety:** DKC 6208 **Planting Date:** Apr-9-20
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 2 IN
Perennial Age: ____ _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: ____ _ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR
Trial Initiation Comments: 1 TON/A LIME - PREPLANT; 800 LBS/A 5-15-30 PREPLANT; 254 LBS/A TOTAL NITROGEN APPLIED IN 2 APPS; 2 LBS/A AXILO-BMX-POST

Previous: Crops	Pesticides	Year
1. SOYBEAN		2019

MAINTENANCE

Field Prep./Maintenance: _____

No.	Date	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit
1.	_____	_____	____	_____	___	_____	_____

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.82 **% Sand:** 96 **% Silt:** 2 **% Clay:** 2
pH: 6.0 **CEC:** 2.9 **Soil Name:** TIFTON **Fertility Level:** GOOD

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HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-8-20		0.3	IN	RAINFALL		
2.	Apr-13-20		0.9	IN	RAINFALL		
3.	Apr-18-20		0.04	IN	RAINFALL		
4.	Apr-19-20		0.80	IN	RAINFALL		
5.	Apr-20-20		0.65	IN	RANFALL		
6.	Apr-23-20		2.4	IN	RAINFALL		
7.	Apr-30-20		0.9	IN	RAINFALL		
8.	May-7-20		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-14-20		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-15-20		0.35	IN	SPRINKLER - LATERAL MOVE		
11.	May-17-20		0.11	IN	RAINFALL		
12.	May-20-20		1.3	IN	RAINFALL		
13.	May-22-20		1.2	IN	RAINFALL		
14.	May-26-20		0.26	IN	RAINFALL		
15.	May-28-20		0.41	IN	RAINFALL		
16.	May-29-20		0.19	IN	RAINFALL		
17.	Jun-1-20		0.6	IN	SPRINKLER - LATERAL MOVE		

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

APPLICATION DESCRIPTION

	A		B		C	D	E	F
Application Date:	Apr-11-20		Apr-29-20					
Time of Day:	7:30 AM		7:30 AM					
Application Method:	BROADCAST		BROADCAST					
Application Timing:	PRE		EPOST					
Applic. Placement:	SOIL		FOLIAGE					
Air Temp., Unit:	42	F	62	F				
% Relative Humidity:	79		85					
Wind Velocity, Unit:	1	MPH	4	MPH				
Dew Presence (Y/N):	N		N					
Water Hardness:	--		--					
Soil Temp., Unit:	57	F	68	F				
Soil Moisture:	OPTIMUM		OPTIMUM					
% Cloud Cover:	0		100					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage: ZEAMA						
Stage Scale:		V4-V5:6"				
Height, Unit:						

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Stage: AMAPA		2"				
Stage Scale:						
Density, Unit:						
Weed 2 Stage: AGRASS		2"				
Stage Scale:						
Density, Unit:						
Weed 3 Stage: RAPRA		4"				
Stage Scale:						
Density, Unit:						

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Location: PONDER Investigator: Eric P. Prostko

	APPLICATION EQUIPMENT A		B		C	D	E	F
Appl. Equipment:	BACKPACK		BACKPACK					
Operating Pressure:	30		42					
Nozzle Type:	AIXR		AIXR					
Nozzle Size:	11002		11002					
Nozzle Spacing, Unit:	15	IN	20	IN				
Nozzles/Row:	2							
Band Width, Unit:								
Boom Length, Unit:	60	IN	60	IN				
Boom Height, Unit:	20	IN	20	IN				
Ground Speed, Unit:	3.5	MPH	3.5	MPH				
Incorporation Equip.:								
Hours to Incorp.:								
Incorp. Depth, Unit:								
Carrier:	WATER		WATER					
Spray Volume, Unit:	15	GPA	15	GPA				
Spray pH:								
Propellant:	CO2		CO2					
Tank Mix (Y/N):								

Trt No	Treatment Application Comment

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Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6	7	8	9
Weed Code					-----	Amapa	Rapra	-----	-----	Amapa	Rapra	Agrass	-----
Crop Code					Zeama			Zeama	Zeama	-----	-----	-----	Zeama
Part Rated													Plant -
Rating Data Type					Injury	Control	Control	Stunt	Chlorosi	Control	CONTRO	Control	Stunting
Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date					Apr-21-20	Apr-21-20	Apr-21-20	May-6-20	May-6-20	May-6-20	May-6-20	May-6-20	May-21-20
PRM Data Type													
# Subsamples, Dec.													
TABLE OF R MEANS													
Replicate 1					0.0	49.5	48.2	2.5	3.8	90.8	90.8	87.9	1.3
Replicate 2					0.0	49.5	47.0	1.3	3.3	90.4	90.8	90.0	1.7
Replicate 3					0.0	49.5	47.0	2.1	2.1	90.8	90.8	81.8	0.0
TABLE OF A (PRE) MEANS													
1	NTC				0.0 -	0.0 b	0.0 b	2.5 -	3.1 -	82.3 b	82.5 b	82.3 b	1.7 a
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	94.8 a	1.4 -	3.1 -	99.0 a	99.0 a	90.9 a	0.3 b
Tukey's HSD P=.10					.	.	1.80	1.96	1.40	0.38	.	7.63	1.21
Standard Deviation					0.00	0.00	3.15	3.42	2.45	0.67	0.00	13.32	2.12
CV					0.00	0.00	6.65	175.76	80.15	0.74	0.00	15.39	217.76
TABLE OF B (POST) MEANS													
1	NTC				0.0 -	49.5 -	47.5 -	0.0 -	0.8 bc	49.5 b	49.5 b	25.8 b	0.8 -
2	ROUNDUP POWERMAX	32.0	oz/a	B	0.0 -	49.5 -	47.5 -	0.8 -	0.0 c	99.0 a	99.0 a	98.3 a	0.0 -
2	ATRAZINE	48.0	oz/a	B									
2	PROWL H20	32.0	oz/a	B									
3	HALEX GT	58.0	oz/a	B	0.0 -	49.5 -	46.5 -	0.8 -	1.7 bc	99.0 a	99.0 a	99.0 a	0.0 -
3	INDUCE	0.25	% v/v	B									
4	HALEX GT	58.0	oz/a	B	0.0 -	49.5 -	48.2 -	5.0 -	1.7 bc	99.0 a	99.0 a	98.3 a	2.5 -
4	ATRAZINE	48.0	oz/a	B									
4	INDUCE	0.25	% v/v	B									
5	ACURON GT	60.0	oz/a	B	0.0 -	49.5 -	48.2 -	1.7 -	4.2 b	98.3 a	99.0 a	99.0 a	0.0 -
5	INDUCE	0.25	% v/v	B									
6	ACURON GT	60.0	oz/a	B	0.0 -	49.5 -	46.5 -	3.3 -	10.0 a	99.0 a	99.0 a	99.0 a	2.5 -
6	ATRAZINE	48.0	oz/a	B									
6	INDUCE	0.25	% v/v	B									
Tukey's HSD P=.10					.	.	5.05	5.47	3.92	1.07	.	21.34	3.39
Standard Deviation					0.00	0.00	3.15	3.42	2.45	0.67	0.00	13.32	2.12
CV					0.00	0.00	6.65	175.76	80.15	0.74	0.00	15.39	217.76
TABLE OF A (PRE) B (POST) MEANS													
1	NTC				0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	0.0 c	0.0 -
1	NTC												
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	95.0 a	0.0 -	1.7 b	99.0 a	99.0 a	51.7 b	1.7 -
1	NTC												
1	NTC				0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	99.0 a	99.0 a	97.7 a	0.0 -
2	ROUNDUP POWERMAX	32.0	oz/a	B									
2	ATRAZINE	48.0	oz/a	B									
2	PROWL H20	32.0	oz/a	B									
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	95.0 a	1.7 -	0.0 b	99.0 a	99.0 a	99.0 a	0.0 -
2	ROUNDUP POWERMAX	32.0	oz/a	B									
2	ATRAZINE	48.0	oz/a	B									
2	PROWL H20	32.0	oz/a	B									
1	NTC				0.0 -	0.0 b	0.0 b	1.7 -	1.7 b	99.0 a	99.0 a	99.0 a	0.0 -
3	HALEX GT	58.0	oz/a	B									
3	INDUCE	0.25	% v/v	B									
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	93.0 a	0.0 -	1.7 b	99.0 a	99.0 a	99.0 a	0.0 -
3	HALEX GT	58.0	oz/a	B									
3	INDUCE	0.25	% v/v	B									
1	NTC				0.0 -	0.0 b	0.0 b	5.0 -	1.7 b	99.0 a	99.0 a	99.0 a	5.0 -
4	HALEX GT	58.0	oz/a	B									
4	ATRAZINE	48.0	oz/a	B									
4	INDUCE	0.25	% v/v	B									

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6	7	8	9
	Weed Code				-----	Amapa	Rapra	-----	-----	Amapa	Rapra	Agrass	-----
	Crop Code				Zeama			Zeama	Zeama	-----	-----	-----	Zeama
	Part Rated												Plant -
	Rating Data Type				Injury	Control	Control	Stunt	Chlorosi	Control	CONTRO	Control	Stunting
	Rating Unit				Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date				Apr-21-20	Apr-21-20	Apr-21-20	May-6-20	May-6-20	May-6-20	May-6-20	May-6-20	May-21-20
	PRM Data Type												
	# Subsamples, Dec.												
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	96.3 a	5.0 -	1.7 b	99.0 a	99.0 a	97.7 a	0.0 -
4	HALEX GT	58.0	oz/a	B									
4	ATRAZINE	48.0	oz/a	B									
4	INDUCE	0.25	% v/v	B									
1	NTC				0.0 -	0.0 b	0.0 b	3.3 -	5.0 ab	97.7 a	99.0 a	99.0 a	0.0 -
5	ACURON GT	60.0	oz/a	B									
5	INDUCE	0.25	% v/v	B									
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	96.3 a	0.0 -	3.3 b	99.0 a	99.0 a	99.0 a	0.0 -
5	ACURON GT	60.0	oz/a	B									
5	INDUCE	0.25	% v/v	B									
1	NTC				0.0 -	0.0 b	0.0 b	5.0 -	10.0 a	99.0 a	99.0 a	99.0 a	5.0 -
6	ACURON GT	60.0	oz/a	B									
6	ATRAZINE	48.0	oz/a	B									
6	INDUCE	0.25	% v/v	B									
2	ATRAZINE	32.0	oz/a	A	0.0 -	99.0 a	93.0 a	1.7 -	10.0 a	99.0 a	99.0 a	99.0 a	0.0 -
6	ACURON GT	60.0	oz/a	B									
6	ATRAZINE	48.0	oz/a	B									
6	INDUCE	0.25	% v/v	B									
	Tukey's HSD P=.10				.	.	8.48	9.19	6.59	1.79	.	35.85	5.70
	Standard Deviation				0.00	0.00	3.15	3.42	2.45	0.67	0.00	13.32	2.12
	CV				0.00	0.00	6.65	175.76	80.15	0.74	0.00	15.39	217.76

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Amapa ----- Control Percent May-21-20	Rapra ----- Control Percent May-21-20	Agrass ----- Control Percent May-21-20	Amapa ----- Control Percent Jun-16-20	Rapra ----- Control Percent Jun-16-20	Agrass ----- Control Percent Jun-16-20	---- ZEAMA PLOT - YIELD LBS/PLOT Aug-26-20	---- ZEAMA PLOT - YIELD BU/A Aug-26-20 TY1 - 1
					10	11	12	13	14	15	16	17
TABLE OF R MEANS												
Replicate 1					90.8	90.8	87.5	89.6	86.6	82.5	32.8	166.9
Replicate 2					90.4	90.8	89.3	88.0	86.3	83.8	30.8	157.1
Replicate 3					82.9	90.8	79.5	90.4	88.1	71.6	32.9	167.7
TABLE OF A (PRE) MEANS												
1	NTC				82.3 b	82.5 b	80.5 b	82.0 b	81.0 b	75.9 b	31.2 -	159.1 -
2	ATRAZINE	32.0	oz/a	A	93.8 a	99.0 a	90.3 a	96.7 a	93.0 a	82.6 a	33.1 -	168.7 -
Tukey's HSD P=.10					8.59	.	7.15	1.80	2.45	5.89	2.23	11.38
Standard Deviation					15.00	0.00	12.48	3.15	4.28	10.29	3.90	19.89
CV					17.04	0.00	14.61	3.52	4.92	12.99	12.13	12.13
TABLE OF B (POST) MEANS												
1	NTC				48.8 b	49.5 b	24.2 b	42.5 b	48.2 b	8.3 b	25.3 b	129.1 b
2	ROUNDUP POWERMAX	32.0	oz/a	B	99.0 a	99.0 a	96.7 a	99.0 a	90.5 a	92.7 a	34.7 a	176.6 a
2	ATRAZINE	48.0	oz/a	B								
2	PROWL H20	32.0	oz/a	B								
3	HALEX GT	58.0	oz/a	B	84.0 a	99.0 a	96.8 a	99.0 a	93.7 a	95.3 a	35.7 a	181.7 a
3	INDUCE	0.25	% v/v	B								
4	HALEX GT	58.0	oz/a	B	99.0 a	99.0 a	99.0 a	99.0 a	97.0 a	91.3 a	31.8 a	162.2 a
4	ATRAZINE	48.0	oz/a	B								
4	INDUCE	0.25	% v/v	B								
5	ACURON GT	60.0	oz/a	B	98.3 a	99.0 a	98.3 a	97.5 a	96.0 a	93.7 a	33.5 a	170.7 a
5	INDUCE	0.25	% v/v	B								
6	ACURON GT	60.0	oz/a	B	99.0 a	99.0 a	97.5 a	99.0 a	96.7 a	94.3 a	32.0 a	163.1 a
6	ATRAZINE	48.0	oz/a	B								
6	INDUCE	0.25	% v/v	B								
Tukey's HSD P=.10					24.02	.	19.99	5.04	6.86	16.49	6.25	31.85
Standard Deviation					15.00	0.00	12.48	3.15	4.28	10.29	3.90	19.89
CV					17.04	0.00	14.61	3.52	4.92	12.99	12.13	12.13
TABLE OF A (PRE) B (POST) MEANS												
1	NTC				0.0 b	0.0 b	0.0 c	0.0 c	0.0 c	0.0 b	22.7 b	115.5 b
1	NTC											
2	ATRAZINE	32.0	oz/a	A	97.7 a	99.0 a	48.3 b	85.0 b	96.3 ab	16.7 b	28.0 ab	142.7 ab
1	NTC											
1	NTC				99.0 a	99.0 a	94.3 a	99.0 a	96.0 ab	87.7 a	32.0 ab	163.1 ab
2	ROUNDUP POWERMAX	32.0	oz/a	B								
2	ATRAZINE	48.0	oz/a	B								
2	PROWL H20	32.0	oz/a	B								
2	ATRAZINE	32.0	oz/a	A	99.0 a	99.0 a	99.0 a	99.0 a	85.0 b	97.7 a	37.3 a	190.2 a
2	ROUNDUP POWERMAX	32.0	oz/a	B								
2	ATRAZINE	48.0	oz/a	B								
2	PROWL H20	32.0	oz/a	B								
1	NTC				99.0 a	99.0 a	96.0 a	99.0 a	99.0 a	96.0 a	35.3 a	180.0 a
3	HALEX GT	58.0	oz/a	B								
3	INDUCE	0.25	% v/v	B								
2	ATRAZINE	32.0	oz/a	A	69.0 a	99.0 a	97.7 a	99.0 a	88.3 ab	94.7 a	36.0 a	183.4 a
3	HALEX GT	58.0	oz/a	B								
3	INDUCE	0.25	% v/v	B								
1	NTC				99.0 a	99.0 a	99.0 a	99.0 a	97.7 a	88.0 a	32.0 ab	163.1 ab
4	HALEX GT	58.0	oz/a	B								
4	ATRAZINE	48.0	oz/a	B								
4	INDUCE	0.25	% v/v	B								

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	10	11	12	13	14	15	16	17
	Weed Code				Amapa	Rapra	Agrass	Amapa	Rapra	Agrass	----	----
	Crop Code				-----	-----	-----	-----	-----	-----	ZEAMA	ZEAMA
	Part Rated										PLOT -	PLOT -
	Rating Data Type				Control	Control	Control	Control	Control	Control	YIELD	YIELD
	Rating Unit				Percent	Percent	Percent	Percent	Percent	Percent	LBS/PLOT	BU/A
	Rating Date				May-21-20	May-21-20	May-21-20	Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20	Aug-26-20
	PRM Data Type											TY1
	# Subsamples, Dec.											- 1
2	ATRAZINE	32.0	oz/a	A	99.0 a	99.0 a	99.0 a	99.0 a	96.3 ab	94.7 a	31.7 ab	161.4 ab
4	HALEX GT	58.0	oz/a	B								
4	ATRAZINE	48.0	oz/a	B								
4	INDUCE	0.25	% v/v	B								
1	NTC				97.7 a	99.0 a	97.7 a	96.0 a	94.3 ab	93.0 a	31.7 ab	161.4 ab
5	ACURON GT	60.0	oz/a	B								
5	INDUCE	0.25	% v/v	B								
2	ATRAZINE	32.0	oz/a	A	99.0 a	99.0 a	99.0 a	99.0 a	97.7 a	94.3 a	35.3 a	180.0 a
5	ACURON GT	60.0	oz/a	B								
5	INDUCE	0.25	% v/v	B								
1	NTC				99.0 a	99.0 a	96.0 a	99.0 a	99.0 a	91.0 a	33.7 a	171.5 a
6	ACURON GT	60.0	oz/a	B								
6	ATRAZINE	48.0	oz/a	B								
6	INDUCE	0.25	% v/v	B								
2	ATRAZINE	32.0	oz/a	A	99.0 a	99.0 a	99.0 a	99.0 a	94.3 ab	97.7 a	30.3 ab	154.6 ab
6	ACURON GT	60.0	oz/a	B								
6	ATRAZINE	48.0	oz/a	B								
6	INDUCE	0.25	% v/v	B								
	Tukey's HSD P=.10				40.36	.	33.59	8.47	11.52	27.70	10.50	53.51
	Standard Deviation				15.00	0.00	12.48	3.15	4.28	10.29	3.90	19.89
	CV				17.04	0.00	14.61	3.52	4.92	12.99	12.13	12.13

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Zeama Injury Percent Apr-21-20 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	0.000000			
R	2	0.000000	0.000000	0.000	1.0000
A	1	0.000000	0.000000	0.000	1.0000
RA	2	0.000000	0.000000		
B	5	0.000000	0.000000	0.000	1.0000
RB	10	0.000000	0.000000		
AB	5	0.000000	0.000000	0.000	1.0000
RAB	10	0.000000	0.000000		

FACTORIAL/POOLED ERROR AOV For ----- Zeama Injury Percent Apr-21-20 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
B	5	0.000000	0.000000	0.000	1.0000	.
AB	5	0.000000	0.000000	0.000	1.0000	.
ERROR	22	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Amapa Control Percent Apr-21-20 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	88209.000000			
R	2	0.000000	0.000000	0.000	1.0000
A	1	88209.000000	88209.000000	0.000	1.0000
RA	2	0.000000	0.000000		
B	5	0.000000	0.000000	0.000	1.0000
RB	10	0.000000	0.000000		
AB	5	0.000000	0.000000	0.000	1.0000
RAB	10	0.000000	0.000000		

FACTORIAL/POOLED ERROR AOV For Amapa Control Percent Apr-21-20 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	88209.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	88209.000000	88209.000000	0.000	1.0000	.
B	5	0.000000	0.000000	0.000	1.0000	.
AB	5	0.000000	0.000000	0.000	1.0000	.
ERROR	22	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Rapra Control Percent Apr-21-20 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	81108.555556			
R	2	10.888889	5.444444	0.525	0.6072
A	1	80845.444444	80845.444444	14849.165	0.0001
RA	2	10.888889	5.444444		
B	5	16.888889	3.377778	0.325	0.8864
RB	10	103.777778	10.377778		
AB	5	16.888889	3.377778	0.325	0.8864
RAB	10	103.777778	10.377778		

FACTORIAL/POOLED ERROR AOV For Rapra Control Percent Apr-21-20 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	81108.555556				
R	2	10.888889	5.444444	0.548	0.5856	
A	1	80845.444444	80845.444444	8142.116	0.0001	1.8
B	5	16.888889	3.377778	0.340	0.8830	5.0
AB	5	16.888889	3.377778	0.340	0.8830	8.5
ERROR	22	218.444444	9.929293			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Zeama Stunt Percent May-6-20 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	413.888889			
R	2	9.722222	4.861111	0.393	0.6848
A	1	11.111111	11.111111	0.262	0.6595
RA	2	84.722222	42.361111		
B	5	105.555556	21.111111	4.343	0.0232
RB	10	48.611111	4.861111		
AB	5	30.555556	6.111111	0.494	0.7739
RAB	10	123.611111	12.361111		

FACTORIAL/POOLED ERROR AOV For ----- Zeama Stunt Percent May-6-20 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	413.888889				
R	2	9.722222	4.861111	0.416	0.6646	
A	1	11.111111	11.111111	0.951	0.3400	2.0
B	5	105.555556	21.111111	1.808	0.1529	5.5
AB	5	30.555556	6.111111	0.523	0.7561	9.2
ERROR	22	256.944444	11.679293			

COMPLETE FACTORIAL AOV For ----- Zeama Chlorosi Percent May-6-20 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	563.888889			
R	2	18.055556	9.027778	1.032	0.3914
A	1	0.000000	0.000000	0.000	1.0000
RA	2	4.166667	2.083333		
B	5	405.555556	81.111111	20.138	0.0001
RB	10	40.277778	4.027778		
AB	5	8.333333	1.666667	0.190	0.9594
RAB	10	87.500000	8.750000		

FACTORIAL/POOLED ERROR AOV For ----- Zeama Chlorosi Percent May-6-20 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	563.888889				
R	2	18.055556	9.027778	1.505	0.2439	
A	1	0.000000	0.000000	0.000	1.0000	1.4
B	5	405.555556	81.111111	13.524	0.0001	3.9
AB	5	8.333333	1.666667	0.278	0.9203	6.6
ERROR	22	131.944444	5.997475			

COMPLETE FACTORIAL AOV For Amapa ----- Control Percent May-6-20 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26902.305556			
R	2	0.888889	0.444444	1.000	0.4019
A	1	2516.694444	2516.694444	5662.563	0.0002
RA	2	0.888889	0.444444		
B	5	12187.472222	2437.494444	5484.363	0.0001
RB	10	4.444444	0.444444		
AB	5	12187.472222	2437.494444	5484.363	0.0001
RAB	10	4.444444	0.444444		

FACTORIAL/POOLED ERROR AOV For Amapa ----- Control Percent May-6-20 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	26902.305556				
R	2	0.888889	0.444444	1.000	0.3840	
A	1	2516.694444	2516.694444	5662.563	0.0001	0.4
B	5	12187.472222	2437.494444	5484.363	0.0001	1.1
AB	5	12187.472222	2437.494444	5484.363	0.0001	1.8
ERROR	22	9.777778	0.444444			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Rapra ----- CONTRO Percent May-6-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26952.750000			
R	2	0.000000	0.000000	0.000	1.0000
A	1	2450.250000	2450.250000	0.000	1.0000
RA	2	0.000000	0.000000		
B	5	12251.250000	2450.250000	0.000	1.0000
RB	10	0.000000	0.000000		
AB	5	12251.250000	2450.250000	0.000	1.0000
RAB	10	0.000000	0.000000		

FACTORIAL/POOLED ERROR AOV For Rapra ----- CONTRO Percent May-6-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	26952.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	2450.250000	2450.250000	0.000	1.0000	.
B	5	12251.250000	2450.250000	0.000	1.0000	.
AB	5	12251.250000	2450.250000	0.000	1.0000	.
ERROR	22	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass ----- Control Percent May-6-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	34922.750000			
R	2	432.166667	216.083333	1.194	0.3427
A	1	667.361111	667.361111	3.710	0.1939
RA	2	359.722222	179.861111		
B	5	26575.250000	5315.050000	30.602	0.0001
RB	10	1736.833333	173.683333		
AB	5	3342.138889	668.427778	3.694	0.0374
RAB	10	1809.277778	180.927778		

FACTORIAL/POOLED ERROR AOV For Agrass ----- Control Percent May-6-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	34922.750000				
R	2	432.166667	216.083333	1.217	0.3153	
A	1	667.361111	667.361111	3.759	0.0655	7.6
B	5	26575.250000	5315.050000	29.938	0.0001	21.3
AB	5	3342.138889	668.427778	3.765	0.0129	35.8
ERROR	22	3905.833333	177.537879			

COMPLETE FACTORIAL AOV For ----- Zeama Plant Stunting Percent May-21-20 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	240.972222			
R	2	18.055556	9.027778	1.857	0.2061
A	1	17.361111	17.361111	3.571	0.1994
RA	2	9.722222	4.861111		
B	5	45.138889	9.027778	2.241	0.1299
RB	10	40.277778	4.027778		
AB	5	61.805556	12.361111	2.543	0.0981
RAB	10	48.611111	4.861111		

FACTORIAL/POOLED ERROR AOV For ----- Zeama Plant Stunting Percent May-21-20 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	240.972222				
R	2	18.055556	9.027778	2.014	0.1573	
A	1	17.361111	17.361111	3.873	0.0618	1.2
B	5	45.138889	9.027778	2.014	0.1162	3.4
AB	5	61.805556	12.361111	2.758	0.0442	5.7
ERROR	22	98.611111	4.482323			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Amapa ----- Control Percent May-21-20 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	33200.972222			
R	2	470.888889	235.444444	1.071	0.3789
A	1	1190.250000	1190.250000	4.643	0.1640
RA	2	512.666667	256.333333		
B	5	12118.805556	2423.761111	10.821	0.0009
RB	10	2239.777778	223.977778		
AB	5	14470.583333	2894.116667	13.167	0.0004
RAB	10	2198.000000	219.800000		

FACTORIAL/POOLED ERROR AOV For Amapa ----- Control Percent May-21-20 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	33200.972222				
R	2	470.888889	235.444444	1.046	0.3681	
A	1	1190.250000	1190.250000	5.290	0.0313	8.6
B	5	12118.805556	2423.761111	10.771	0.0001	24.0
AB	5	14470.583333	2894.116667	12.862	0.0001	40.4
ERROR	22	4950.444444	225.020202			

COMPLETE FACTORIAL AOV For Rapra ----- Control Percent May-21-20 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26952.750000			
R	2	0.000000	0.000000	0.000	1.0000
A	1	2450.250000	2450.250000	0.000	1.0000
RA	2	0.000000	0.000000		
B	5	12251.250000	2450.250000	0.000	1.0000
RB	10	0.000000	0.000000		
AB	5	12251.250000	2450.250000	0.000	1.0000
RAB	10	0.000000	0.000000		

FACTORIAL/POOLED ERROR AOV For Rapra ----- Control Percent May-21-20 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	26952.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	2450.250000	2450.250000	0.000	1.0000	.
B	5	12251.250000	2450.250000	0.000	1.0000	.
AB	5	12251.250000	2450.250000	0.000	1.0000	.
ERROR	22	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass ----- Control Percent May-21-20 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	34668.750000			
R	2	648.500000	324.250000	1.649	0.2404
A	1	870.250000	870.250000	20.598	0.0453
RA	2	84.500000	42.250000		
B	5	27034.916667	5406.983333	39.243	0.0001
RB	10	1377.833333	137.783333		
AB	5	2686.916667	537.383333	2.734	0.0826
RAB	10	1965.833333	196.583333		

FACTORIAL/POOLED ERROR AOV For Agrass ----- Control Percent May-21-20 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	34668.750000				
R	2	648.500000	324.250000	2.081	0.1487	
A	1	870.250000	870.250000	5.585	0.0274	7.1
B	5	27034.916667	5406.983333	34.699	0.0001	20.0
AB	5	2686.916667	537.383333	3.449	0.0188	33.6
ERROR	22	3428.166667	155.825758			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Amapa ----- Control Percent Jun-16-20 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26908.000000			
R	2	36.166667	18.083333	1.497	0.2700
A	1	1936.000000	1936.000000	627.892	0.0016
RA	2	6.166667	3.083333		
B	5	15803.000000	3160.600000	347.956	0.0001
RB	10	90.833333	9.083333		
AB	5	8915.000000	1783.000000	147.559	0.0001
RAB	10	120.833333	12.083333		

FACTORIAL/POOLED ERROR AOV For Amapa ----- Control Percent Jun-16-20 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	26908.000000				
R	2	36.166667	18.083333	1.826	0.1846	
A	1	1936.000000	1936.000000	195.526	0.0001	1.8
B	5	15803.000000	3160.600000	319.204	0.0001	5.0
AB	5	8915.000000	1783.000000	180.073	0.0001	8.5
ERROR	22	217.833333	9.901515			

COMPLETE FACTORIAL AOV For Rapra ----- Control Percent Jun-16-20 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	25784.000000			
R	2	21.500000	10.750000	1.000	0.4019
A	1	1296.000000	1296.000000	33.160	0.0289
RA	2	78.166667	39.083333		
B	5	11035.000000	2207.000000	101.471	0.0001
RB	10	217.500000	21.750000		
AB	5	13028.333333	2605.666667	242.388	0.0001
RAB	10	107.500000	10.750000		

FACTORIAL/POOLED ERROR AOV For Rapra ----- Control Percent Jun-16-20 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	25784.000000				
R	2	21.500000	10.750000	0.587	0.5647	
A	1	1296.000000	1296.000000	70.720	0.0001	2.5
B	5	11035.000000	2207.000000	120.432	0.0001	6.9
AB	5	13028.333333	2605.666667	142.186	0.0001	11.5
ERROR	22	403.166667	18.325758			

COMPLETE FACTORIAL AOV For Agrass ----- Control Percent Jun-16-20 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	40407.222222			
R	2	1075.055556	537.527778	4.272	0.0456
A	1	400.000000	400.000000	3.747	0.1925
RA	2	213.500000	106.750000		
B	5	36295.222222	7259.044444	84.413	0.0001
RB	10	859.944444	85.994444		
AB	5	305.333333	61.066667	0.485	0.7801
RAB	10	1258.166667	125.816667		

FACTORIAL/POOLED ERROR AOV For Agrass ----- Control Percent Jun-16-20 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	40407.222222				
R	2	1075.055556	537.527778	5.072	0.0154	
A	1	400.000000	400.000000	3.774	0.0650	5.9
B	5	36295.222222	7259.044444	68.493	0.0001	16.5
AB	5	305.333333	61.066667	0.576	0.7176	27.7
ERROR	22	2331.611111	105.982323			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ---- ZEAMA PLOT YIELD LBS/PLOT Aug-26-20 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	893.000000			
R	2	32.166667	16.083333	0.850	0.4562
A	1	32.111111	32.111111	1.008	0.4211
RA	2	63.722222	31.861111		
B	5	402.666667	80.533333	9.801	0.0013
RB	10	82.166667	8.216667		
AB	5	90.888889	18.177778	0.960	0.4851
RAB	10	189.277778	18.927778		

FACTORIAL/POOLED ERROR AOV For ---- ZEAMA PLOT YIELD LBS/PLOT Aug-26-20 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	893.000000				
R	2	32.166667	16.083333	1.056	0.3649	
A	1	32.111111	32.111111	2.108	0.1607	2.2
B	5	402.666667	80.533333	5.286	0.0024	6.3
AB	5	90.888889	18.177778	1.193	0.3447	10.5
ERROR	22	335.166667	15.234848			

COMPLETE FACTORIAL AOV For ---- ZEAMA PLOT YIELD BU/A Aug-26-20 TY1 1 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	23185.968484			
R	2	835.179529	417.589765	0.850	0.4562
A	1	833.737077	833.737077	1.008	0.4211
RA	2	1654.492090	827.246045		
B	5	10454.889858	2090.977972	9.801	0.0013
RB	10	2133.386051	213.338605		
AB	5	2359.850967	471.970193	0.960	0.4851
RAB	10	4914.432912	491.443291		

FACTORIAL/POOLED ERROR AOV For ---- ZEAMA PLOT YIELD BU/A Aug-26-20 TY1 1 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	35	23185.968484				
R	2	835.179529	417.589765	1.056	0.3649	
A	1	833.737077	833.737077	2.108	0.1607	11.4
B	5	10454.889858	2090.977972	5.286	0.0024	31.9
AB	5	2359.850967	471.970193	1.193	0.3447	53.5
ERROR	22	8702.311053	395.559593			

Weed Code
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.
Part Rated
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
Rating Data Type
CONTRO = CONTROL / BURNDOWN or KNOCKDOWN
PRM Data Type
TY1 = 5.095501*[16]

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	1	2	3	4	5	6	7	8
	Weed Code					-----	Amapa	Rapra	-----	-----	Amapa	Rapra	Agrass
	Crop Code					Zeama			Zeama	Zeama	-----	-----	-----
	Part Rated												
	Rating Data Type					Injury	Control	Control	Stunt	Chlorosi	Control	CONTRO	Control
	Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date					Apr-21-20	Apr-21-20	Apr-21-20	May-6-20	May-6-20	May-6-20	May-6-20	May-6-20
	PRM Data Type												
	# Subsamples, Dec.												
1	NTC				101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC				206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					311	0.0	0.0	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	0.0	0.0
2	NTC				102	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	32.0	oz/a	B	209	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	308	0.0	0.0	0.0	0.0	0.0	99.0	99.0	95.0
	PROWL H20	32.0	oz/a	B									
					Mean =	0.0	0.0	0.0	0.0	0.0	99.0	99.0	97.7

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4	5	6	7	8
	Weed Code					-----	Amapa	Rapra	-----	-----	Amapa	Rapra	Agrass
	Crop Code					Zeama			Zeama	Zeama	-----	-----	-----
	Part Rated												
	Rating Data Type					Injury	Control	Control	Stunt	Chlorosi	Control	CONTRO	Control
	Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date					Apr-21-20	Apr-21-20	Apr-21-20	May-6-20	May-6-20	May-6-20	May-6-20	May-6-20
	PRM Data Type												
	# Subsamples, Dec.												
3	NTC				103	0.0	0.0	0.0	0.0	5.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	208	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B	303	0.0	0.0	0.0	5.0	0.0	99.0	99.0	99.0
					Mean =	0.0	0.0	0.0	1.7	1.7	99.0	99.0	99.0
4	NTC				104	0.0	0.0	0.0	10.0	5.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	203	0.0	0.0	0.0	5.0	0.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	301	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B									
					Mean =	0.0	0.0	0.0	5.0	1.7	99.0	99.0	99.0
5	NTC				105	0.0	0.0	0.0	10.0	5.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	212	0.0	0.0	0.0	0.0	10.0	95.0	99.0	99.0
	INDUCE	0.25	% v/v	B	307	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
					Mean =	0.0	0.0	0.0	3.3	5.0	97.7	99.0	99.0
6	NTC				106	0.0	0.0	0.0	10.0	10.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	204	0.0	0.0	0.0	5.0	10.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	310	0.0	0.0	0.0	0.0	10.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B									
					Mean =	0.0	0.0	0.0	5.0	10.0	99.0	99.0	99.0
7	ATRAZINE	32.0	oz/a	A	107	0.0	99.0	95.0	0.0	0.0	99.0	99.0	65.0
	NTC				205	0.0	99.0	95.0	0.0	5.0	99.0	99.0	90.0
					306	0.0	99.0	95.0	0.0	0.0	99.0	99.0	0.0
					Mean =	0.0	99.0	95.0	0.0	1.7	99.0	99.0	51.7
8	ATRAZINE	32.0	oz/a	A	108	0.0	99.0	95.0	0.0	0.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	32.0	oz/a	B	210	0.0	99.0	95.0	0.0	0.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	302	0.0	99.0	95.0	5.0	0.0	99.0	99.0	99.0
	PROWL H20	32.0	oz/a	B									
					Mean =	0.0	99.0	95.0	1.7	0.0	99.0	99.0	99.0
9	ATRAZINE	32.0	oz/a	A	109	0.0	99.0	95.0	0.0	0.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	211	0.0	99.0	85.0	0.0	5.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B	312	0.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
					Mean =	0.0	99.0	93.0	0.0	1.7	99.0	99.0	99.0
10	ATRAZINE	32.0	oz/a	A	110	0.0	99.0	95.0	0.0	5.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	202	0.0	99.0	99.0	5.0	0.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	305	0.0	99.0	95.0	10.0	0.0	99.0	99.0	95.0
	INDUCE	0.25	% v/v	B									
					Mean =	0.0	99.0	96.3	5.0	1.7	99.0	99.0	97.7
11	ATRAZINE	32.0	oz/a	A	111	0.0	99.0	99.0	0.0	5.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	201	0.0	99.0	95.0	0.0	0.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B	309	0.0	99.0	95.0	0.0	5.0	99.0	99.0	99.0
					Mean =	0.0	99.0	96.3	0.0	3.3	99.0	99.0	99.0
12	ATRAZINE	32.0	oz/a	A	112	0.0	99.0	99.0	0.0	10.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	207	0.0	99.0	95.0	0.0	10.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	304	0.0	99.0	85.0	5.0	10.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B									
					Mean =	0.0	99.0	93.0	1.7	10.0	99.0	99.0	99.0

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12	13	14	15
	Weed Code					-----	Amapa	Rapra	Agrass	Amapa	Rapra	Agrass
	Crop Code					Zeama	-----	-----	-----	-----	-----	-----
	Part Rated					Plant -						
	Rating Data Type					Stunting	Control	Control	Control	Control	Control	Control
	Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date					May-21-20	May-21-20	May-21-20	May-21-20	Jun-16-20	Jun-16-20	Jun-16-20
	PRM Data Type											
	# Subsamples, Dec.											
1	NTC				101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC				206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					311	0.0	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	0.0
2	NTC				102	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	ROUNDUP POWERMAX	32.0	oz/a	B	209	0.0	99.0	99.0	99.0	99.0	90.0	99.0
	ATRAZINE	48.0	oz/a	B	308	0.0	99.0	99.0	85.0	99.0	99.0	65.0
	PROWL H20	32.0	oz/a	B								
					Mean =	0.0	99.0	99.0	94.3	99.0	96.0	87.7

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12	13	14	15
	Weed Code					-----	Amapa	Rapra	Agrass	Amapa	Rapra	Agrass
	Crop Code					Zeama	-----	-----	-----	-----	-----	-----
	Part Rated					Plant -						
	Rating Data Type					Stunting	Control	Control	Control	Control	Control	Control
	Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date					May-21-20	May-21-20	May-21-20	May-21-20	Jun-16-20	Jun-16-20	Jun-16-20
	PRM Data Type											
	# Subsamples, Dec.											
3	NTC				103	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	208	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	INDUCE	0.25	% v/v	B	303	0.0	99.0	99.0	90.0	99.0	99.0	90.0
					Mean =	0.0	99.0	99.0	96.0	99.0	99.0	96.0
4	NTC				104	5.0	99.0	99.0	99.0	99.0	99.0	99.0
	HALEX GT	58.0	oz/a	B	203	10.0	99.0	99.0	99.0	99.0	99.0	85.0
	ATRAZINE	48.0	oz/a	B	301	0.0	99.0	99.0	99.0	99.0	95.0	80.0
	INDUCE	0.25	% v/v	B								
					Mean =	5.0	99.0	99.0	99.0	99.0	97.7	88.0
5	NTC				105	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	212	0.0	95.0	99.0	99.0	90.0	85.0	95.0
	INDUCE	0.25	% v/v	B	307	0.0	99.0	99.0	95.0	99.0	99.0	85.0
					Mean =	0.0	97.7	99.0	97.7	96.0	94.3	93.0
6	NTC				106	10.0	99.0	99.0	99.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	204	5.0	99.0	99.0	99.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	310	0.0	99.0	99.0	90.0	99.0	99.0	75.0
	INDUCE	0.25	% v/v	B								
					Mean =	5.0	99.0	99.0	96.0	99.0	99.0	91.0
7	ATRAZINE	32.0	oz/a	A	107	0.0	99.0	99.0	60.0	85.0	95.0	0.0
	NTC				205	5.0	99.0	99.0	85.0	75.0	95.0	50.0
					306	0.0	95.0	99.0	0.0	95.0	99.0	0.0
					Mean =	1.7	97.7	99.0	48.3	85.0	96.3	16.7
8	ATRAZINE	32.0	oz/a	A	108	0.0	99.0	99.0	99.0	99.0	85.0	99.0
	ROUNDUP POWERMAX	32.0	oz/a	B	210	0.0	99.0	99.0	99.0	99.0	85.0	95.0
	ATRAZINE	48.0	oz/a	B	302	0.0	99.0	99.0	99.0	99.0	85.0	99.0
	PROWL H20	32.0	oz/a	B								
					Mean =	0.0	99.0	99.0	99.0	99.0	85.0	97.7
9	ATRAZINE	32.0	oz/a	A	109	0.0	99.0	99.0	99.0	99.0	85.0	99.0
	HALEX GT	58.0	oz/a	B	211	0.0	99.0	99.0	95.0	99.0	95.0	95.0
	INDUCE	0.25	% v/v	B	312	0.0	9.0	99.0	99.0	99.0	85.0	90.0
					Mean =	0.0	69.0	99.0	97.7	99.0	88.3	94.7
10	ATRAZINE	32.0	oz/a	A	110	0.0	99.0	99.0	99.0	99.0	95.0	99.0
	HALEX GT	58.0	oz/a	B	202	0.0	99.0	99.0	99.0	99.0	95.0	90.0
	ATRAZINE	48.0	oz/a	B	305	0.0	99.0	99.0	99.0	99.0	99.0	95.0
	INDUCE	0.25	% v/v	B								
					Mean =	0.0	99.0	99.0	99.0	99.0	96.3	94.7
11	ATRAZINE	32.0	oz/a	A	111	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	ACURON GT	60.0	oz/a	B	201	0.0	99.0	99.0	99.0	99.0	95.0	99.0
	INDUCE	0.25	% v/v	B	309	0.0	99.0	99.0	99.0	99.0	99.0	85.0
					Mean =	0.0	99.0	99.0	99.0	99.0	97.7	94.3
12	ATRAZINE	32.0	oz/a	A	112	0.0	99.0	99.0	99.0	99.0	85.0	99.0
	ACURON GT	60.0	oz/a	B	207	0.0	99.0	99.0	99.0	99.0	99.0	99.0
	ATRAZINE	48.0	oz/a	B	304	0.0	99.0	99.0	99.0	99.0	99.0	95.0
	INDUCE	0.25	% v/v	B								
					Mean =	0.0	99.0	99.0	99.0	99.0	94.3	97.7

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	16	17
	Weed Code					----	----
	Crop Code					ZEAMA	ZEAMA
	Part Rated					PLOT -	PLOT -
	Rating Data Type					YIELD	YIELD
	Rating Unit					LBS/PLOT	BU/A
	Rating Date					Aug-26-20	Aug-26-20
	PRM Data Type						TY1
	# Subsamples, Dec.						- 1
1	NTC				101	13.0	66.2
	NTC				206	25.0	127.4
					311	30.0	152.9
					Mean =	22.7	115.5
2	NTC				102	32.0	163.1
	ROUNDUP POWERMAX	32.0	oz/a	B	209	33.0	168.2
	ATRAZINE	48.0	oz/a	B	308	31.0	158.0
	PROWL H20	32.0	oz/a	B			
					Mean =	32.0	163.1

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	16	17
	Weed Code					----	----
	Crop Code					ZEAMA	ZEAMA
	Part Rated					PLOT -	PLOT -
	Rating Data Type					YIELD	YIELD
	Rating Unit					LBS/PLOT	BU/A
	Rating Date					Aug-26-20	Aug-26-20
	PRM Data Type						TY1
	# Subsamples, Dec.						- 1
3	NTC				103	35.0	178.3
	HALEX GT	58.0	oz/a	B	208	37.0	188.5
	INDUCE	0.25	% v/v	B	303	34.0	173.2
					Mean =	35.3	180.0
4	NTC				104	32.0	163.1
	HALEX GT	58.0	oz/a	B	203	29.0	147.8
	ATRAZINE	48.0	oz/a	B	301	35.0	178.3
	INDUCE	0.25	% v/v	B			
					Mean =	32.0	163.1
5	NTC				105	35.0	178.3
	ACURON GT	60.0	oz/a	B	212	29.0	147.8
	INDUCE	0.25	% v/v	B	307	31.0	158.0
					Mean =	31.7	161.4
6	NTC				106	33.0	168.2
	ACURON GT	60.0	oz/a	B	204	29.0	147.8
	ATRAZINE	48.0	oz/a	B	310	39.0	198.7
	INDUCE	0.25	% v/v	B			
					Mean =	33.7	171.5
7	ATRAZINE	32.0	oz/a	A	107	32.0	163.1
	NTC				205	29.0	147.8
					306	23.0	117.2
					Mean =	28.0	142.7
8	ATRAZINE	32.0	oz/a	A	108	39.0	198.7
	ROUNDUP POWERMAX	32.0	oz/a	B	210	36.0	183.4
	ATRAZINE	48.0	oz/a	B	302	37.0	188.5
	PROWL H20	32.0	oz/a	B			
					Mean =	37.3	190.2
9	ATRAZINE	32.0	oz/a	A	109	38.0	193.6
	HALEX GT	58.0	oz/a	B	211	32.0	163.1
	INDUCE	0.25	% v/v	B	312	38.0	193.6
					Mean =	36.0	183.4
10	ATRAZINE	32.0	oz/a	A	110	35.0	178.3
	HALEX GT	58.0	oz/a	B	202	29.0	147.8
	ATRAZINE	48.0	oz/a	B	305	31.0	158.0
	INDUCE	0.25	% v/v	B			
					Mean =	31.7	161.4
11	ATRAZINE	32.0	oz/a	A	111	38.0	193.6
	ACURON GT	60.0	oz/a	B	201	31.0	158.0
	INDUCE	0.25	% v/v	B	309	37.0	188.5
					Mean =	35.3	180.0
12	ATRAZINE	32.0	oz/a	A	112	31.0	158.0
	ACURON GT	60.0	oz/a	B	207	31.0	158.0
	ATRAZINE	48.0	oz/a	B	304	29.0	147.8
	INDUCE	0.25	% v/v	B			
					Mean =	30.3	154.6

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

HALEX GT VS. ACURON GT IN FIELD CORN

Trial ID: CN-10B-20 Study Dir.: HENRY MCLEAN
Location: PONDER Investigator: Eric P. Prostko

Weed Code
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.
Part Rated
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
Rating Data Type
CONTRO = CONTROL / BURNDOWN or KNOCKDOWN
PRM Data Type
TY1 = 5.095501*[16]