

# University of Georgia

ACURON AND HALEX GT WITH OR WITHOUT COUNTER 20G IN-FURROW

Trial ID: CN-07-17      Study Dir.: WILSON FAIRCLOTH  
 Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 3      Plots: 6 by 25 feet													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Spray Volume	Mix Size	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	DEKALB DKC62-08 NO COUNTER ACURON ROUNDUP P-MAX	3.44 L 5.5 SL		50.0 oz/a 32.0 oz/a		POST1 A POST1 A		15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters	39.06 ml/mx 25.0 ml/mx	101	203	302
2	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L 4 L 3.4 SL		58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v		POST1 A POST1 A POST1 A POST1 A		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters 1.5 liters 1.5 liters	45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	102	201	303
3	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L 4 L 3.4 SL		58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v		POST2 B POST2 B POST2 B POST2 B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters 1.5 liters 1.5 liters	45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	103	202	301
4	DEKALB DKC62-08 COUNTER ACURON ROUNDUP P-MAX	20 G 3.44 L 5.5 SL		6.0 oz/1000 row-ft 50.0 oz/a 32.0 oz/a	row-ft INFR			- 15 GAL/AC 15 GAL/AC	- 1.5 liters 1.5 liters	<b>4.252 g/1 row/1 plot</b> 39.06 ml/mx 25.0 ml/mx	104	206	305
5	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G 4.39 L 4 L 3.4 SL		6.0 oz/1000 row-ft 58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v	row-ft INFR			- 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	- 1.5 liters 1.5 liters 1.5 liters 1.5 liters	<b>4.252 g/1 row/1 plot</b> 45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	105	204	306
6	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G 4.39 L 4 L 3.4 SL		6.0 oz/1000 row-ft 58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v	row-ft INFR			- 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	- 1.5 liters 1.5 liters 1.5 liters 1.5 liters	<b>4.252 g/1 row/1 plot</b> 45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	106	205	304
7	PIONEER P1794VYHR NO COUNTER ACURON ROUNDUP P-MAX	3.44 L 5.5 SL		50.0 oz/a 32.0 oz/a		POST1 A POST1 A		15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters	39.06 ml/mx 25.0 ml/mx	107	209	309
8	PIONEER P1794VYHR NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L 4 L 3.4 SL		58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v		POST1 A POST1 A POST1 A POST1 A		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters 1.5 liters 1.5 liters	45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	108	207	308
9	PIONEER P1794VYHR NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L 4 L 3.4 SL		58.0 oz/a 32.0 oz/a 0.25 % v/v 2.0 % v/v		POST2 B POST2 B POST2 B POST2 B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	1.5 liters 1.5 liters 1.5 liters 1.5 liters	45.31 ml/mx 25.0 ml/mx 3.75 ml/mx 30.0 ml/mx	109	208	307
10	PIONEER P1794VYHR COUNTER ACURON ROUNDUP P-MAX	20 G 3.44 L 5.5 SL		6.0 oz/1000 row-ft 50.0 oz/a 32.0 oz/a	row-ft INFR			- 15 GAL/AC 15 GAL/AC	- 1.5 liters 1.5 liters	<b>4.252 g/1 row/1 plot</b> 39.06 ml/mx 25.0 ml/mx	110	212	311

# University of Georgia

Reps: 3                      Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Spray Volume	Mix Size	Amt Product to Measure	Rep 1	Rep 2	Rep 3
11	PIONEER P1794VYHR COUNTER	20 G		6.0 oz/1000 row-ft	INFR		-	-	<b>4.252 g/1 row/1 plot</b>	111	210	312
	HALEX GT	4.39 L		58.0 oz/a	POST1 A		15 GAL/AC	1.5 liters	45.31 ml/mx			
	ATRAZINE	4 L		32.0 oz/a	POST1 A		15 GAL/AC	1.5 liters	25.0 ml/mx			
	NIS			0.25 % v/v	POST1 A		15 GAL/AC	1.5 liters	3.75 ml/mx			
	AMS XTRA	3.4 SL		2.0 % v/v	POST1 A		15 GAL/AC	1.5 liters	30.0 ml/mx			
12	PIONEER P1794VYHR COUNTER	20 G		6.0 oz/1000 row-ft	INFR		-	-	<b>4.252 g/1 row/1 plot</b>	112	211	310
	HALEX GT	4.39 L		58.0 oz/a	POST2 B		15 GAL/AC	1.5 liters	45.31 ml/mx			
	ATRAZINE	4 L		32.0 oz/a	POST2 B		15 GAL/AC	1.5 liters	25.0 ml/mx			
	NIS			0.25 % v/v	POST2 B		15 GAL/AC	1.5 liters	3.75 ml/mx			
	AMS XTRA	3.4 SL		2.0 % v/v	POST2 B		15 GAL/AC	1.5 liters	30.0 ml/mx			

Sort Order: Treatment

Trial Comments
<p>ATRAZINE = AATREX 4L FORMULATION</p> <p>CORN EMERGED ON APRIL 3                      GDD (50/86) FOR APPLICATION = POST1 = 275                      GDD (50/86) FOR APPLICATION = POST2 = 399</p> <p>GLYPHOSATE @ 32 OZ/A + ATRAZINE @ 64 OZ/A + DUAL MAGNUM @ 16 OZ/A - APRIL 10</p> <p>ACURON = S-MOC (2.14 LBS) + ATRAZINE (1.0 LBS) + BICYCLOPYRONE (0.06 LBS) + MESOTRIONE (0.24 LBS)                      HALEX GT = S-MOC (2.09 LBS) + GLYPHOSATE (2.09 LBS) + MESOTRIONE (0.209 LBS)</p> <p>MAINTAINED WEED-FREE</p> <p>HARVEST DATE: AUGUST 18                      HARVEST MOISTURE (DKC 62-08) = 16.1%                      HARVEST MOISTURE (PIONEER 1794) = 17.5%                      YIELDS ADJUSTED TO 15.5% MOISTURE.</p> <p>CORN POPULATIONS WERE LOWER THAN DESIRED DUE TO A PROSTKO PLANTER CALCULATION ERROR. FINAL PLANT POPULATIONS WERE ONLY 21,606 PLANTS/A.</p> <p><b><u>SUMMARY:</u></b></p> <p>1) IN THE ABSENCE OF COUNTER, DKC 62-08 WAS MORE SENSITIVE TO ACURON AND HALEX GT THAN PIONEER 1794.</p> <p>2) WHEN PLOTS WERE TREATED WITH COUNTER, THERE WAS NO DIFFERENCE IN CHLOROSIS BETWEEN CORN HYBRIDS WHEN TREATED WITH ACURON. HOWEVER, WHEN TREATED WITH HALEX GT, DKC 62-08 WAS MORE SENSITIVE THAN PIONEER 1794.</p> <p>3) FOR CORN YIELD, HERBICIDE TREATMENT HAD NO EFFECT. HOWEVER, THERE WAS A SIGNIFICANT INTERACTION (P= 0.0361), AVERAGED OVER HERBICIDE TREATMENTS, BETWEEN CORN HYBRID AND SOIL INSECTICIDE AS FOLLOWS:</p> <p>A) DKC 62-08: NO COUNTER = 181 BU/A, COUNTER = 178 BU/A (1.7% YIELD LOSS)                      B) PIONEER 1794: NO COUNTER = 234 BU/A, COUNTER = 221 BU/A (5.6% YIELD LOSS)</p>

# University of Georgia

ACURON AND HALEX GT WITH OR  
WITHOUT COUNTER 20G IN-FURROW  
Trial ID: CN-07-17 Study Dir.: WILSON FAIRCLOTH  
Location: PONDER FARM Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** WILSON FAIRCLOTH **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Investigator:** Eric P. Prostko **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Trial Status:** \_\_\_\_\_ **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.** \_\_\_\_\_ **2.** \_\_\_\_\_

**Crop 1:** ZEAMA **FIELD CORN** **Variety:** DKC6208/P1794 **Planting Date:** Mar-29-17  
**Planting Method:** MONOSEM **Rate:** 20909 P/A **Depth:** 2 IN  
**Perennial Age:** \_\_\_\_\_ **Row Spacing:** 30 IN **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** DRY-OPT **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** SPLPLO  
**Trial Initiation Comments:** 800 LBS/A 5-15-30 PREPLANT;

**Previous: Crops** \_\_\_\_\_ **Pesticides** \_\_\_\_\_ **Year** \_\_\_\_\_  
 1. COTTON 2016

### MAINTENANCE

**Field Prep./Maintenance:** \_\_\_\_\_

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

### SOIL DESCRIPTION

**Texture:** SAND **% OM:** 0.78 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2  
**pH:** 6.4 **CEC:** 4.1 **Soil Name:** TIFTON **Fertility Level:** GOOD

### MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Mar-30-17		0.5	IN	SPRINKLER - LATERAL MOVE		
2. Apr-3-17		0.9	IN	RAINFALL		
3. Apr-4-17		0.01	IN	RAINFALL		
4. Apr-5-17		2.04	IN	RAINFALL		
5. Apr-11-17		0.5	IN	SPRINKLER - LATERAL MOVE		
6. Apr-13-17		0.5	IN	SPRINKLER - LATERAL MOVE		
7. Apr-21-17		0.5	IN	SPRINKLER - LATERAL MOVE		
8. Apr-23-17		0.17	IN	RAINFALL		
9. Apr-26-17		0.5	IN	SPRINKLER - LATERAL MOVE		

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

### APPLICATION DESCRIPTION

	A	B	C	D	E	F
<b>Application Date:</b>	Apr-18-17	Apr-25-17				
<b>Time of Day:</b>	7:15 AM	8:00 AM				
<b>Application Method:</b>	BROADCAST	BROADCAST				
<b>Application Timing:</b>	POST1	POST2				
<b>Applic. Placement:</b>	FOLIAGE	FOLIAGE				
<b>Air Temp., Unit:</b>	61 F	60 F				
<b>% Relative Humidity:</b>	94	96				
<b>Wind Velocity, Unit:</b>	0 MPH	4 MPH				
<b>Dew Presence (Y/N):</b>	Y	Y				
<b>Water Hardness:</b>	--	--				
<b>Soil Temp., Unit:</b>		64 F				
<b>Soil Moisture:</b>	OPTIMUM	OPTIMUM				
<b>% Cloud Cover:</b>	0	0				

# University of Georgia

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA						
	Stage Scale:	√4	√6	_____	_____	_____	_____
	Height, Unit:	6	IN	12	IN	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: _____						
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME AS A						
Operating Pressure:	35	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	18	IN	_____	_____	_____	_____	_____
Nozzles/Row:	2	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	72	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
_____	_____

# University of Georgia

ACURON AND HALEX GT WITH OR WITHOUT COUNTER 20G IN-FURROW												
Trial ID: CN-07-17		Study Dir.: WILSON FAIRCLOTH										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	ZEAMA PLANT - CHLOROSIS PERCENT	ZEAMA PLANT - STUNTING PERCENT	ZEAMA PLANT - STUNTING PERCENT	ZEAMA PLANT - CHLOROSIS PERCENT	ZEAMA PLANT - STUNTING PERCENT
								Apr-24-17	Apr-24-17	May-1-17	May-1-17	May-16-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
<b>TABLE OF R MEANS</b>												
Replicate 1								15.0	8.8	9.2	7.1	5.4
Replicate 2								15.4	8.3	12.1	8.3	6.7
Replicate 3								14.6	7.1	11.7	9.2	5.0
<b>TABLE OF A (CORN HYBRID) MEANS</b>												
1 DEKALB DKC62-08								18.1 a	7.5 a	11.7 a	10.6 a	7.2 a
2 PIONEER P1794VYHR								11.9 b	8.6 a	10.3 a	5.8 b	4.2 a
LSD P=.10								2.15	2.92	4.52	0.81	3.54
Standard Deviation								2.20	3.00	4.64	0.83	3.63
CV								14.70	37.30	42.29	10.17	63.79
<b>TABLE OF B (SOIL INSECTICIDE) MEANS</b>												
1 NO COUNTER								5.6 b	0.3 b	0.0 b	2.8 b	0.0 b
2 COUNTER 20 G 6.0 oz/1000 row-ft INFR								24.4 a	15.8 a	21.9 a	13.6 a	11.4 a
LSD P=.10								2.14	2.44	3.60	1.67	2.37
Standard Deviation								3.00	3.44	5.07	2.36	3.33
CV								20.03	42.65	46.20	28.76	58.54
<b>TABLE OF C (HERBICIDE) MEANS</b>												
1 ACURON 3.44 L 50.0 oz/a POST1								16.3 b	11.7 a	13.3 a	8.8 a	7.9 a
1 ROUNDUP P-MAX 5.5 SL 32.0 oz/a POST1												
2 HALEX GT 4.39 L 58.0 oz/a POST1								28.8 a	12.5 a	15.0 a	10.0 a	8.8 a
2 ATRAZINE 4 L 32.0 oz/a POST1												
2 NIS 0.25 % v/v POST1												
2 AMS XTRA 3.4 SL 2.0 % v/v POST1												
3 HALEX GT 4.39 L 58.0 oz/a POST2								0.0 c	0.0 b	4.6 b	5.8 b	0.4 b
3 ATRAZINE 4 L 32.0 oz/a POST2												
3 NIS 0.25 % v/v POST2												
3 AMS XTRA 3.4 SL 2.0 % v/v POST2												
LSD P=.10								1.45	1.92	2.48	2.18	2.48
Standard Deviation								2.04	2.70	3.49	3.06	3.49
CV								13.61	33.52	31.77	37.37	61.22
<b>TABLE OF A (CORN HYBRID) B (SOIL INSECTICIDE) MEANS</b>												
1 DEKALB DKC62-08 1 NO COUNTER								7.2 c	0.6 a	0.0 a	4.4 a	0.0 c
2 PIONEER P1794VYHR 1 NO COUNTER								3.9 d	0.0 a	0.0 a	1.1 a	0.0 c
1 DEKALB DKC62-08 2 COUNTER 20 G 6.0 oz/1000 row-ft INFR								28.9 a	14.4 a	23.3 a	16.7 a	14.4 a
2 PIONEER P1794VYHR 2 COUNTER 20 G 6.0 oz/1000 row-ft INFR								20.0 b	17.2 a	20.6 a	10.6 a	8.3 b
LSD P=.10								3.02	3.45	5.09	2.37	3.35
Standard Deviation								3.00	3.44	5.07	2.36	3.33
CV								20.03	42.65	46.20	28.76	58.54
<b>TABLE OF A (CORN HYBRID) C (HERBICIDE) MEANS</b>												
1 DEKALB DKC62-08 1 ACURON 3.44 L 50.0 oz/a POST1								16.7 c	10.0 a	11.7 b	9.2 b	9.2 a
1 ROUNDUP P-MAX 5.5 SL 32.0 oz/a POST1												
2 PIONEER P1794VYHR 1 ACURON 3.44 L 50.0 oz/a POST1								15.8 c	13.3 a	15.0 ab	8.3 bc	6.7 a
1 ROUNDUP P-MAX 5.5 SL 32.0 oz/a POST1												

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.

# University of Georgia

Weed Code						-----	-----	-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -		
Rating Data Type						CHLOROSI	STUNTING	STUNTING	CHLORSIS	STUNTING		
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date						Apr-24-17	Apr-24-17	May-1-17	May-1-17	May-16-17		
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5
1	DEKALB DKC62-08							37.5 a	12.5 a	17.5 a	14.2 a	11.7 a
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
2	PIONEER P1794VYHR							20.0 b	12.5 a	12.5 b	5.8 cd	5.8 a
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
1	DEKALB DKC62-08							0.0 d	0.0 a	5.8 c	8.3 bc	0.8 a
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
2	PIONEER P1794VYHR							0.0 d	0.0 a	3.3 c	3.3 d	0.0 a
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
LSD P=.10								2.06	2.72	3.51	3.09	3.51
Standard Deviation								2.04	2.70	3.49	3.06	3.49
CV								13.61	33.52	31.77	37.37	61.22
TABLE OF B (SOIL INSECTICIDE) C (HERBICIDE) MEANS												
1	NO COUNTER							8.3 c	0.0 b	0.0 c	3.3 d	0.0 b
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		24.2 b	23.3 a	26.7 a	14.2 b	15.8 a
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						
1	NO COUNTER							8.3 c	0.8 b	0.0 c	1.7 d	0.0 b
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		49.2 a	24.2 a	30.0 a	18.3 a	17.5 a
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
1	NO COUNTER							0.0 d	0.0 b	0.0 c	3.3 d	0.0 b
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		0.0 d	0.0 b	9.2 b	8.3 c	0.8 b
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
LSD P=.10								2.06	2.72	3.51	3.09	3.51
Standard Deviation								2.04	2.70	3.49	3.06	3.49
CV								13.61	33.52	31.77	37.37	61.22
TABLE OF A (CORN HYBRID) B (SOIL INSECTICIDE) C (HERBICIDE) MEANS												
1	DEKALB DKC62-08							10.0 d	0.0 a	0.0 f	5.0 c	0.0 a
1	NO COUNTER											
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						

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.

# University of Georgia

Weed Code						-----	-----	-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -		
Rating Data Type						CHLOROSI	STUNTING	STUNTING	CHLORSIS	STUNTING		
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date						Apr-24-17	Apr-24-17	May-1-17	May-1-17	May-16-17		
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5
2	PIONEER P1794VYHR							6.7 e	0.0 a	0.0 f	1.7 cd	0.0 a
1	NO COUNTER											
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						
1	DEKALB DKC62-08							23.3 c	20.0 a	23.3 c	13.3 b	18.3 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						
2	PIONEER P1794VYHR							25.0 c	26.7 a	30.0 b	15.0 b	13.3 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
1	ACURON	3.44	L	50.0	oz/a	POST1						
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1						
1	DEKALB DKC62-08							11.7 d	1.7 a	0.0 f	3.3 cd	0.0 a
1	NO COUNTER											
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
2	PIONEER P1794VYHR							5.0 e	0.0 a	0.0 f	0.0 d	0.0 a
1	NO COUNTER											
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
1	DEKALB DKC62-08							63.3 a	23.3 a	35.0 a	25.0 a	23.3 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
2	PIONEER P1794VYHR							35.0 b	25.0 a	25.0 c	11.7 b	11.7 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
2	HALEX GT	4.39	L	58.0	oz/a	POST1						
2	ATRAZINE	4	L	32.0	oz/a	POST1						
2	NIS			0.25	% v/v	POST1						
2	AMS XTRA	3.4	SL	2.0	% v/v	POST1						
1	DEKALB DKC62-08							0.0 f	0.0 a	0.0 f	5.0 c	0.0 a
1	NO COUNTER											
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
2	PIONEER P1794VYHR							0.0 f	0.0 a	0.0 f	1.7 cd	0.0 a
1	NO COUNTER											
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
1	DEKALB DKC62-08							0.0 f	0.0 a	11.7 d	11.7 b	1.7 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
2	PIONEER P1794VYHR							0.0 f	0.0 a	6.7 e	5.0 c	0.0 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR						
3	HALEX GT	4.39	L	58.0	oz/a	POST2						
3	ATRAZINE	4	L	32.0	oz/a	POST2						
3	NIS			0.25	% v/v	POST2						
3	AMS XTRA	3.4	SL	2.0	% v/v	POST2						
LSD P=.10								2.91	3.85	4.97	4.36	4.97

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.

# University of Georgia

Weed Code						-----	-----	-----	-----	-----	
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	
Rating Data Type						CHLOROSI	STUNTING	STUNTING	CHLORSIS	STUNTING	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						Apr-24-17	Apr-24-17	May-1-17	May-1-17	May-16-17	
PRM Data Type											
# Subsamples, Dec.											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Stg	Code	1	2	3	4	
	Standard Deviation						2.04	2.70	3.49	3.06	3.49
	CV						13.61	33.52	31.77	37.37	61.22

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.



# University of Georgia

Weed Code						-----	-----	-----			
Crop Code						ZEAMA	ZEAMA	ZEAMA			
Part Rated						PLOT -	PLOT -	PLOT -			
Rating Data Type						YIELD	MOISTURE	YIELD			
Rating Unit						LBS/PLOT	PERCENT	BU/A			
Rating Date						Aug-18-17	Aug-18-17	Aug-18-17			
PRM Data Type								TY1			
# Subsamples, Dec.								- 0			
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code	6	7	8		
TABLE OF R MEANS											
Replicate 1							33.3	16.80	204		
Replicate 2							33.2	16.80	203		
Replicate 3							33.5	16.80	205		
TABLE OF A (CORN HYBRID) MEANS											
1 DEKALB DKC62-08							29.1 b	16.10 b	180 b		
2 PIONEER P1794VYHR							37.5 a	17.50 a	228 a		
LSD P=.10							0.99	.	6.1		
Standard Deviation							1.01	0.000	6.2		
CV							3.04	0.000	3.1		
TABLE OF B (SOIL INSECTICIDE) MEANS											
1 NO COUNTER							33.9 a	16.80 a	208 a		
2 COUNTER						20 G	6.0 oz/1000 row-ft	INFR	200 b		
LSD P=.10							0.57	.	3.5		
Standard Deviation							0.80	0.000	4.9		
CV							2.40	0.000	2.4		
TABLE OF C (HERBICIDE) MEANS											
1 ACURON						3.44 L	50.0 oz/a	POST1	33.5 a	16.80 a	205 a
1 ROUNDUP P-MAX						5.5 SL	32.0 oz/a	POST1			
2 HALEX GT						4.39 L	58.0 oz/a	POST1	33.3 a	16.80 a	204 a
2 ATRAZINE						4 L	32.0 oz/a	POST1			
2 NIS							0.25 % v/v	POST1			
2 AMS XTRA						3.4 SL	2.0 % v/v	POST1			
3 HALEX GT						4.39 L	58.0 oz/a	POST2	33.2 a	16.80 a	203 a
3 ATRAZINE						4 L	32.0 oz/a	POST2			
3 NIS							0.25 % v/v	POST2			
3 AMS XTRA						3.4 SL	2.0 % v/v	POST2			
LSD P=.10							1.59	.	9.8		
Standard Deviation							2.23	0.000	13.7		
CV							6.69	0.000	6.7		
TABLE OF A (CORN HYBRID) B (SOIL INSECTICIDE) MEANS											
1 DEKALB DKC62-08							29.3 c	16.10 b	181 c		
1 NO COUNTER											
2 PIONEER P1794VYHR							38.6 a	17.50 a	234 a		
1 NO COUNTER											
1 DEKALB DKC62-08							28.9 c	16.10 b	178 c		
2 COUNTER						20 G	6.0 oz/1000 row-ft	INFR			
2 PIONEER P1794VYHR							36.4 b	17.50 a	221 b		
2 COUNTER						20 G	6.0 oz/1000 row-ft	INFR			
LSD P=.10							0.80	.	4.9		
Standard Deviation							0.80	0.000	4.9		
CV							2.40	0.000	2.4		
TABLE OF A (CORN HYBRID) C (HERBICIDE) MEANS											
1 DEKALB DKC62-08							29.0 a	16.10 b	179 a		
1 ACURON						3.44 L	50.0 oz/a	POST1			
1 ROUNDUP P-MAX						5.5 SL	32.0 oz/a	POST1			
2 PIONEER P1794VYHR							38.0 a	17.50 a	231 a		
1 ACURON						3.44 L	50.0 oz/a	POST1			
1 ROUNDUP P-MAX						5.5 SL	32.0 oz/a	POST1			

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.

# University of Georgia

Weed Code						-----	-----	-----
Crop Code						ZEAMA	ZEAMA	ZEAMA
Part Rated						PLOT -	PLOT -	PLOT -
Rating Data Type						YIELD	MOISTURE	YIELD
Rating Unit						LBS/PLOT	PERCENT	BU/A
Rating Date						Aug-18-17	Aug-18-17	Aug-18-17
PRM Data Type								TY1
# Subsamples, Dec.								- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	
						6	7	8
1	DEKALB DKC62-08					29.0 a	16.10 b	179 a
2	HALEX GT	4.39	L	58.0	oz/a			
2	ATRAZINE	4	L	32.0	oz/a			
2	NIS			0.25	% v/v			
2	AMS XTRA	3.4	SL	2.0	% v/v			
2	PIONEER P1794VYHR					37.5 a	17.50 a	228 a
2	HALEX GT	4.39	L	58.0	oz/a			
2	ATRAZINE	4	L	32.0	oz/a			
2	NIS			0.25	% v/v			
2	AMS XTRA	3.4	SL	2.0	% v/v			
1	DEKALB DKC62-08					29.3 a	16.10 b	181 a
3	HALEX GT	4.39	L	58.0	oz/a			
3	ATRAZINE	4	L	32.0	oz/a			
3	NIS			0.25	% v/v			
3	AMS XTRA	3.4	SL	2.0	% v/v			
2	PIONEER P1794VYHR					37.0 a	17.50 a	225 a
3	HALEX GT	4.39	L	58.0	oz/a			
3	ATRAZINE	4	L	32.0	oz/a			
3	NIS			0.25	% v/v			
3	AMS XTRA	3.4	SL	2.0	% v/v			
LSD P=.10						2.24	.	13.8
Standard Deviation						2.23	0.000	13.7
CV						6.69	0.000	6.7
TABLE OF B (SOIL INSECTICIDE) C (HERBICIDE) MEANS								
1	NO COUNTER					34.2 a	16.80 a	209 a
1	ACURON	3.44	L	50.0	oz/a			
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a			
2	COUNTER	20	G	6.0	oz/1000 row-ft	32.8 a	16.80 a	201 a
1	ACURON	3.44	L	50.0	oz/a			
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a			
1	NO COUNTER					33.3 a	16.80 a	204 a
2	HALEX GT	4.39	L	58.0	oz/a			
2	ATRAZINE	4	L	32.0	oz/a			
2	NIS			0.25	% v/v			
2	AMS XTRA	3.4	SL	2.0	% v/v			
2	COUNTER	20	G	6.0	oz/1000 row-ft	33.2 a	16.80 a	203 a
2	HALEX GT	4.39	L	58.0	oz/a			
2	ATRAZINE	4	L	32.0	oz/a			
2	NIS			0.25	% v/v			
2	AMS XTRA	3.4	SL	2.0	% v/v			
1	NO COUNTER					34.3 a	16.80 a	210 a
3	HALEX GT	4.39	L	58.0	oz/a			
3	ATRAZINE	4	L	32.0	oz/a			
3	NIS			0.25	% v/v			
3	AMS XTRA	3.4	SL	2.0	% v/v			
2	COUNTER	20	G	6.0	oz/1000 row-ft	32.0 a	16.80 a	196 a
3	HALEX GT	4.39	L	58.0	oz/a			
3	ATRAZINE	4	L	32.0	oz/a			
3	NIS			0.25	% v/v			
3	AMS XTRA	3.4	SL	2.0	% v/v			
LSD P=.10						2.24	.	13.8
Standard Deviation						2.23	0.000	13.7
CV						6.69	0.000	6.7
TABLE OF A (CORN HYBRID) B (SOIL INSECTICIDE) C (HERBICIDE) MEANS								
1	DEKALB DKC62-08					29.7 a	16.10 b	183 a
1	NO COUNTER							
1	ACURON	3.44	L	50.0	oz/a			
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a			

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.

# University of Georgia

Weed Code						-----	-----	-----
Crop Code						ZEAMA	ZEAMA	ZEAMA
Part Rated						PLOT -	PLOT -	PLOT -
Rating Data Type						YIELD	MOISTURE	YIELD
Rating Unit						LBS/PLOT	PERCENT	BU/A
Rating Date						Aug-18-17	Aug-18-17	Aug-18-17
PRM Data Type								TY1
# Subsamples, Dec.								- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	
								6 7 8
2	PIONEER P1794VYHR							38.7 a 17.50 a 235 a
1	NO COUNTER							
1	ACURON	3.44	L	50.0	oz/a		POST1	
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a		POST1	
1	DEKALB DKC62-08							28.3 a 16.10 b 175 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
1	ACURON	3.44	L	50.0	oz/a		POST1	
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a		POST1	
2	PIONEER P1794VYHR							37.3 a 17.50 a 227 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
1	ACURON	3.44	L	50.0	oz/a		POST1	
1	ROUNDUP P-MAX	5.5	SL	32.0	oz/a		POST1	
1	DEKALB DKC62-08							29.0 a 16.10 b 179 a
1	NO COUNTER							
2	HALEX GT	4.39	L	58.0	oz/a		POST1	
2	ATRAZINE	4	L	32.0	oz/a		POST1	
2	NIS			0.25	% v/v		POST1	
2	AMS XTRA	3.4	SL	2.0	% v/v		POST1	
2	PIONEER P1794VYHR							37.7 a 17.50 a 229 a
1	NO COUNTER							
2	HALEX GT	4.39	L	58.0	oz/a		POST1	
2	ATRAZINE	4	L	32.0	oz/a		POST1	
2	NIS			0.25	% v/v		POST1	
2	AMS XTRA	3.4	SL	2.0	% v/v		POST1	
1	DEKALB DKC62-08							29.0 a 16.10 b 179 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
2	HALEX GT	4.39	L	58.0	oz/a		POST1	
2	ATRAZINE	4	L	32.0	oz/a		POST1	
2	NIS			0.25	% v/v		POST1	
2	AMS XTRA	3.4	SL	2.0	% v/v		POST1	
2	PIONEER P1794VYHR							37.3 a 17.50 a 227 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
2	HALEX GT	4.39	L	58.0	oz/a		POST1	
2	ATRAZINE	4	L	32.0	oz/a		POST1	
2	NIS			0.25	% v/v		POST1	
2	AMS XTRA	3.4	SL	2.0	% v/v		POST1	
1	DEKALB DKC62-08							29.3 a 16.10 b 181 a
1	NO COUNTER							
3	HALEX GT	4.39	L	58.0	oz/a		POST2	
3	ATRAZINE	4	L	32.0	oz/a		POST2	
3	NIS			0.25	% v/v		POST2	
3	AMS XTRA	3.4	SL	2.0	% v/v		POST2	
2	PIONEER P1794VYHR							39.3 a 17.50 a 239 a
1	NO COUNTER							
3	HALEX GT	4.39	L	58.0	oz/a		POST2	
3	ATRAZINE	4	L	32.0	oz/a		POST2	
3	NIS			0.25	% v/v		POST2	
3	AMS XTRA	3.4	SL	2.0	% v/v		POST2	
1	DEKALB DKC62-08							29.3 a 16.10 b 181 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
3	HALEX GT	4.39	L	58.0	oz/a		POST2	
3	ATRAZINE	4	L	32.0	oz/a		POST2	
3	NIS			0.25	% v/v		POST2	
3	AMS XTRA	3.4	SL	2.0	% v/v		POST2	
2	PIONEER P1794VYHR							34.7 a 17.50 a 211 a
2	COUNTER	20	G	6.0	oz/1000 row-ft	INFR		
3	HALEX GT	4.39	L	58.0	oz/a		POST2	
3	ATRAZINE	4	L	32.0	oz/a		POST2	
3	NIS			0.25	% v/v		POST2	
3	AMS XTRA	3.4	SL	2.0	% v/v		POST2	
LSD P=.10						3.17	.	19.5

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.

# University of Georgia

Weed Code							
Crop Code							
Part Rated							
Rating Data Type							
Rating Unit							
Rating Date							
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form	Form	Rate	Grow	Appl		
No. Name	Conc	Type	Rate Unit	Stg	Code		
						6	7
Standard Deviation						2.23	0.000
CV						6.69	0.000

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.

# University of Georgia

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT CHLOROSI PERCENT Apr-24-17 (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	12150.00000					
R	2	4.166667	2.083333	0.231	0.8038		
A	1	336.111111	336.111111	69.143	0.0142	2.1	
ERROR A	2	9.722222	4.861111				
B	1	3211.111111	3211.111111	355.692	0.0001	2.1	
AB	1	69.444444	69.444444	7.692	0.0502	3.0	
ERROR B	4	36.111111	9.027778				
C	2	4987.500000	2493.750000	598.500	0.0001	1.5	
AC	2	584.722222	292.361111	70.167	0.0001	2.1	
BC	2	2543.055556	1271.527778	305.167	0.0001	2.1	
ABC	2	301.388889	150.694444	36.167	0.0001	2.9	
ERROR C	16	66.666667	4.166667				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT STUNTING PERCENT Apr-24-17 (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	4713.888889					
R	2	18.055556	9.027778	0.765	0.5233		
A	1	11.111111	11.111111	1.231	0.3828	2.9	
ERROR A	2	18.055556	9.027778				
B	1	2177.777778	2177.777778	184.471	0.0002	2.4	
AB	1	25.000000	25.000000	2.118	0.2193	3.5	
ERROR B	4	47.222222	11.805556				
C	2	1172.222222	586.111111	80.381	0.0001	1.9	
AC	2	22.222222	11.111111	1.524	0.2479	2.7	
BC	2	1088.888889	544.444444	74.667	0.0001	2.7	
ABC	2	16.666667	8.333333	1.143	0.3436	3.8	
ERROR C	16	116.666667	7.291667				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT STUNTING PERCENT May-1-17 (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	6490.972222					
R	2	59.722222	29.861111	1.162	0.4000		
A	1	17.361111	17.361111	0.806	0.4639	4.5	
ERROR A	2	43.055556	21.527778				
B	1	4334.027778	4334.027778	168.676	0.0002	3.6	
AB	1	17.361111	17.361111	0.676	0.4573	5.1	
ERROR B	4	102.777778	25.694444				
C	2	751.388889	375.694444	30.914	0.0001	2.5	
AC	2	109.722222	54.861111	4.514	0.0279	3.5	
BC	2	751.388889	375.694444	30.914	0.0001	3.5	
ABC	2	109.722222	54.861111	4.514	0.0279	5.0	
ERROR C	16	194.444444	12.152778				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT CHLORSIS PERCENT May-1-17 (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	1957.638889					
R	2	26.388889	13.194444	2.375	0.2090		
A	1	200.694444	200.694444	289.000	0.0034	0.8	
ERROR A	2	1.388889	0.694444				
B	1	1056.250000	1056.250000	190.125	0.0002	1.7	
AB	1	17.361111	17.361111	3.125	0.1518	2.4	
ERROR B	4	22.222222	5.555556				
C	2	109.722222	54.861111	5.852	0.0124	2.2	
AC	2	84.722222	42.361111	4.519	0.0278	3.1	
BC	2	204.166667	102.083333	10.889	0.0010	3.1	
ABC	2	84.722222	42.361111	4.519	0.0278	4.4	
ERROR C	16	150.000000	9.375000				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT STUNTING PERCENT May-16-17 (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	2707.638889					
R	2	18.055556	9.027778	0.813	0.5057		
A	1	84.027778	84.027778	6.368	0.1276	3.5	
ERROR A	2	26.388889	13.194444				
B	1	1167.361111	1167.361111	105.063	0.0005	2.4	
AB	1	84.027778	84.027778	7.563	0.0514	3.3	
ERROR B	4	44.444444	11.111111				
C	2	505.555556	252.777778	20.800	0.0001	2.5	
AC	2	38.888889	19.444444	1.600	0.2326	3.5	
BC	2	505.555556	252.777778	20.800	0.0001	3.5	
ABC	2	38.888889	19.444444	1.600	0.2326	5.0	
ERROR C	16	194.444444	12.152778				

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.

# University of Georgia

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-18-17 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	759.638889				
R	2	0.722222	0.361111	0.565	0.6079	
A	1	633.361111	633.361111	616.243	0.0016	1.0
ERROR A	2	2.055556	1.027778			
B	1	14.694444	14.694444	23.000	0.0087	0.6
AB	1	6.250000	6.250000	9.783	0.0353	0.8
ERROR B	4	2.555556	0.638889			
C	2	0.722222	0.361111	0.073	0.9301	1.6
AC	2	2.722222	1.361111	0.275	0.7635	2.2
BC	2	7.055556	3.527778	0.711	0.5058	2.2
ABC	2	10.166667	5.083333	1.025	0.3811	3.2
ERROR C	16	79.333333	4.958333			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT MOISTURE PERCENT Aug-18-17 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	17.640000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	17.640000	17.640000	0.000	1.0000	.
ERROR A	2	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
AB	1	0.000000	0.000000	0.000	1.0000	.
ERROR B	4	0.000000	0.000000			
C	2	0.000000	0.000000	0.000	1.0000	.
AC	2	0.000000	0.000000	0.000	1.0000	.
BC	2	0.000000	0.000000	0.000	1.0000	.
ABC	2	0.000000	0.000000	0.000	1.0000	.
ERROR C	16	0.000000	0.000000			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT YIELD BU/A Aug-18-17 TY1 0 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	25440.792154				
R	2	27.364511	13.682256	0.577	0.6024	
A	1	20706.559011	20706.559011	534.940	0.0019	6
ERROR A	2	77.416446	38.708223			
B	1	545.615805	545.615805	22.999	0.0087	3
AB	1	228.620218	228.620218	9.637	0.0361	5
ERROR B	4	94.893608	23.723402			
C	2	26.313433	13.156717	0.070	0.9324	10
AC	2	101.391336	50.695668	0.271	0.7662	14
BC	2	260.587239	130.293619	0.696	0.5130	14
ABC	2	377.375087	188.687543	1.008	0.3869	20
ERROR C	16	2994.655461	187.165966			

Part Rated  
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)  
PRM Data Type  
 TY1 = 6.222857\*[6]\*(100-[7])/84.5

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.

# University of Georgia

ACURON AND HALEX GT WITH OR WITHOUT COUNTER 20G IN-FURROW  
 Trial ID: CN-07-17 Study Dir.: WILSON FAIRCLOTH  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----- ZEAMA PLANT - CHLOROSI PERCENT Apr-24-17	----- ZEAMA PLANT - STUNTING PERCENT Apr-24-17	----- ZEAMA PLANT - STUNTING PERCENT May-1-17	----- ZEAMA PLANT - CHLORSIS PERCENT May-1-17	----- ZEAMA PLANT - STUNTING PERCENT May-16-17		
Crop Code					1	2	3	4	5		
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
PRM Data Type											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot				
1	DEKALB DKC62-08 NO COUNTER ACURON ROUNDUP P-MAX	3.44 L		50.0 oz/a	POST1 A		101 203 302	10.0 10.0 10.0	0.0 0.0 0.0	0.0 5.0 5.0 5.0	0.0 0.0 0.0 0.0
		5.5 SL		32.0 oz/a	POST1 A						
							Mean =	10.0	0.0	0.0	5.0 0.0
2	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST1 A		102 201 303	15.0 10.0 10.0	5.0 0.0 0.0	0.0 5.0 5.0 5.0	0.0 0.0 0.0 0.0
		4 L		32.0 oz/a	POST1 A						
				0.25 % v/v	POST1 A						
		3.4 SL		2.0 % v/v	POST1 A		Mean =	11.7	1.7	0.0	3.3 0.0
3	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST2 B		103 202 301	0.0 0.0 0.0	0.0 0.0 0.0	0.0 10.0 5.0	0.0 0.0 0.0
		4 L		32.0 oz/a	POST2 B						
				0.25 % v/v	POST2 B		Mean =	0.0	0.0	0.0	5.0 0.0
		3.4 SL		2.0 % v/v	POST2 B						
4	DEKALB DKC62-08 COUNTER ACURON ROUNDUP P-MAX	20 G		6.0 oz/1000 row-ft	INFR		104 206	20.0 25.0	20.0 20.0	20.0 20.0 30.0	15.0 10.0 15.0 15.0
		3.44 L		50.0 oz/a	POST1 A		305	25.0	20.0		
		5.5 SL		32.0 oz/a	POST1 A		Mean =	23.3	20.0	23.3	13.3 18.3
5	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G		6.0 oz/1000 row-ft	INFR		105 204	60.0 65.0	20.0 25.0	30.0 40.0 35.0	20.0 30.0 25.0 25.0
		4.39 L		58.0 oz/a	POST1 A		306	65.0	25.0		
		4 L		32.0 oz/a	POST1 A		Mean =	63.3	23.3	35.0	25.0 23.3
				0.25 % v/v	POST1 A						
		3.4 SL		2.0 % v/v	POST1 A						
6	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G		6.0 oz/1000 row-ft	INFR		106 205 304	0.0 0.0 0.0	0.0 0.0 0.0	0.0 20.0 15.0	10.0 10.0 15.0 5.0
		4.39 L		58.0 oz/a	POST2 B						
		4 L		32.0 oz/a	POST2 B		Mean =	0.0	0.0	11.7	11.7 1.7
				0.25 % v/v	POST2 B						
		3.4 SL		2.0 % v/v	POST2 B						
7	PIONEER P1794VYHR NO COUNTER ACURON ROUNDUP P-MAX	3.44 L		50.0 oz/a	POST1 A		107 209 309	10.0 5.0 5.0	0.0 0.0 0.0	0.0 0.0 0.0 5.0	0.0 0.0 0.0 0.0
		5.5 SL		32.0 oz/a	POST1 A		Mean =	6.7	0.0	0.0	1.7 0.0
8	PIONEER P1794VYHR NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST1 A		108 207 308	5.0 5.0 5.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0
		4 L		32.0 oz/a	POST1 A		Mean =	5.0	0.0	0.0	0.0 0.0
				0.25 % v/v	POST1 A						
		3.4 SL		2.0 % v/v	POST1 A						

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- ZEAMA PLANT - CHLOROSI PERCENT Apr-24-17	----- ZEAMA PLANT - STUNTING PERCENT Apr-24-17	----- ZEAMA PLANT - STUNTING PERCENT May-1-17	----- ZEAMA PLANT - CHLORSIS PERCENT May-1-17	----- ZEAMA PLANT - STUNTING PERCENT May-16-17
Trt Treatment No. Name	Form Conc Type	Form Rate Unit	Rate Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5
9 PIONEER P1794VYHR NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA		4.39 L 4 L 3.4 SL	58.0 oz/a 32.0 oz/a 2.0 % v/v	POST2 B POST2 B POST2 B	109 208 307   Mean =	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 5.0	0.0 0.0 0.0
10 PIONEER P1794VYHR COUNTER ACURON ROUNDUP P-MAX		20 G 3.44 L 5.5 SL	6.0 oz/1000 row-ft 50.0 oz/a 32.0 oz/a	INFR POST1 A POST1 A	110 212 311   Mean =	25.0 25.0 25.0	30.0 25.0 25.0	30.0 30.0 30.0	15.0 15.0 15.0	20.0 10.0 10.0
11 PIONEER P1794VYHR COUNTER HALEX GT ATRAZINE NIS AMS XTRA		20 G 4.39 L 4 L 3.4 SL	6.0 oz/1000 row-ft 58.0 oz/a 32.0 oz/a 2.0 % v/v	INFR POST1 A POST1 A POST1 A	111 210 312   Mean =	35.0 40.0 30.0	30.0 30.0 15.0	20.0 30.0 25.0	10.0 15.0 10.0	10.0 20.0 5.0
12 PIONEER P1794VYHR COUNTER HALEX GT ATRAZINE NIS AMS XTRA		20 G 4.39 L 4 L 3.4 SL	6.0 oz/1000 row-ft 58.0 oz/a 32.0 oz/a 2.0 % v/v	INFR POST2 B POST2 B POST2 B	112 211 310   Mean =	0.0 0.0 0.0	0.0 0.0 0.0	10.0 5.0 5.0	5.0 5.0 5.0	0.0 0.0 0.0



# University of Georgia

Weed Code						-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA		
Part Rated						PLOT -	PLOT -	PLOT -		
Rating Data Type						YIELD	MOISTURE	YIELD		
Rating Unit						LBS/PLOT	PERCENT	BU/A		
Rating Date						Aug-18-17	Aug-18-17	Aug-18-17		
PRM Data Type								TY1		
# Subsamples, Dec.								- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot			
1	DEKALB DKC62-08 NO COUNTER ACURON ROUNDUP P-MAX	3.44 L		50.0 oz/a	POST1 A		101 203 302	31.0 29.0 29.0	16.10 16.10 16.10	192 179 179
		5.5 SL		32.0 oz/a	POST1 A		302			
							Mean =	29.7	16.10	183
2	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST1 A		102 201 303	31.0 28.0 28.0	16.10 16.10 16.10	192 173 173
		4 L		32.0 oz/a	POST1 A		303			
				0.25 % v/v	POST1 A					
		3.4 SL		2.0 % v/v	POST1 A					
							Mean =	29.0	16.10	179
3	DEKALB DKC62-08 NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST2 B		103 202 301	26.0 30.0 32.0	16.10 16.10 16.10	161 185 198
		4 L		32.0 oz/a	POST2 B		301			
				0.25 % v/v	POST2 B					
		3.4 SL		2.0 % v/v	POST2 B					
							Mean =	29.3	16.10	181
4	DEKALB DKC62-08 COUNTER ACURON ROUNDUP P-MAX	20 G		6.0 oz/1000 row-ft	INFR		104 206	27.0 27.0	16.10 16.10	167 167
		3.44 L		50.0 oz/a	POST1 A		305	31.0	16.10	192
		5.5 SL		32.0 oz/a	POST1 A					
							Mean =	28.3	16.10	175
5	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G		6.0 oz/1000 row-ft	INFR		105 204	31.0 30.0	16.10 16.10	192 185
		4.39 L		58.0 oz/a	POST1 A		306	26.0	16.10	161
		4 L		32.0 oz/a	POST1 A					
				0.25 % v/v	POST1 A					
		3.4 SL		2.0 % v/v	POST1 A					
							Mean =	29.0	16.10	179
6	DEKALB DKC62-08 COUNTER HALEX GT ATRAZINE NIS AMS XTRA	20 G		6.0 oz/1000 row-ft	INFR		106 205	30.0 28.0	16.10 16.10	185 173
		4.39 L		58.0 oz/a	POST2 B		304	30.0	16.10	185
		4 L		32.0 oz/a	POST2 B					
				0.25 % v/v	POST2 B					
		3.4 SL		2.0 % v/v	POST2 B					
							Mean =	29.3	16.10	181
7	PIONEER P1794VYHR NO COUNTER ACURON ROUNDUP P-MAX	3.44 L		50.0 oz/a	POST1 A		107 209	38.0 41.0	17.50 17.50	231 249
		5.5 SL		32.0 oz/a	POST1 A		309	37.0	17.50	225
							Mean =	38.7	17.50	235
8	PIONEER P1794VYHR NO COUNTER HALEX GT ATRAZINE NIS AMS XTRA	4.39 L		58.0 oz/a	POST1 A		108 207	38.0 36.0	17.50 17.50	231 219
		4 L		32.0 oz/a	POST1 A		308	39.0	17.50	237
				0.25 % v/v	POST1 A					
		3.4 SL		2.0 % v/v	POST1 A					
							Mean =	37.7	17.50	229



# University of Georgia

ACURON AND HALEX GT WITH OR  
WITHOUT COUNTER 20G IN-FURROW  
Trial ID: CN-07-17 Study Dir.: WILSON FAIRCLOTH  
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated  
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)  
PRM Data Type  
TY1 =  $6.222857 * [6] * (100 - [7]) / 84.5$