

# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES  
 AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet  
 Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form	Form Conc	Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep			
										1	2	3	4
1	NO PRE NO POST								- -	101	211	309	404
2	NO PRE CALLISTO ATRAZINE ANTHEM MAXX AGRIDEX	4 SC 4 L 4.3 SC		3.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		POST B POST B POST B POST B		2.344 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	- 1430.5 mL	102	209	310	409
3	NO PRE LAUDIS ATRAZINE ANTHEM MAX AGRIDEX	3.5 SC 4 L 4.3 SC		3.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		POST B POST B POST B POST B		2.344 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	- 1430.5 mL	103	202	304	412
4	NO PRE IMPACT ATRAZINE ANTHEM MAXX AGRIDEX	2.8 SC 4 L 4.3 SC		1.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		POST B POST B POST B POST B		0.7812 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	- 1432.1 mL	104	205	307	408
5	NO PRE SHIELDEX ATRAZINE ANTHEM MAXX AGRIDEX	3.33 SC 4 L 4.3 SC		1.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		POST B POST B POST B POST B		0.7812 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	- 1432.1 mL	105	208	306	402
6	ANTHEM MAXX NO POST	4.3 SC		2.75 oz/a		PRE A		2.148 mL/mx	1497.9 mL -	106	201	302	406
7	ANTHEM MAXX CALLISTO ATRAZINE ANTHEM MAXX AGRIDEX	4.3 SC 4 SC 4 L 4.3 SC		2.75 oz/a 3.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		PRE A POST B POST B POST B POST B		2.148 mL/mx 2.344 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	1497.9 mL 1430.5 mL	107	206	312	407
8	ANTHEM MAXX LAUDIS ATRAZINE ANTHEM MAX AGRIDEX	4.3 SC 3.5 SC 4 L 4.3 SC		2.75 oz/a 3.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		PRE A POST B POST B POST B POST B		2.148 mL/mx 2.344 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	1497.9 mL 1430.5 mL	108	212	305	403
9	ANTHEM MAXX IMPACT ATRAZINE ANTHEM MAXX AGRIDEX	4.3 SC 2.8 SC 4 L 4.3 SC		2.75 oz/a 1.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		PRE A POST B POST B POST B POST B		2.148 mL/mx 0.7812 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	1497.9 mL 1432.1 mL	109	207	311	410
10	ANTHEM MAXX SHIELDEX ATRAZINE ANTHEM MAXX AGRIDEX	4.3 SC 3.33 SC 4 L 4.3 SC		2.75 oz/a 1.0 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		PRE A POST B POST B POST B POST B		2.148 mL/mx 0.7812 mL/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	1497.9 mL 1432.1 mL	110	203	301	405
11	NO PRE REVULIN Q ATRAZINE ANTHEM MAXX AGRIDEX	51.2 DG 4 L 4.3 SC		3.5 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		POST B POST B POST B POST B		2.621 g/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	- 1430.2 mL	111	204	308	401
12	ANTHEM MAXX REVULIN Q ATRAZINE ANTHEM MAXX AGRIDEX	4.3 SC 51.2 DG 4 L 4.3 SC		2.75 oz/a 3.5 oz/a 64.0 oz/a 2.75 oz/a 1.0 % v/v		PRE A POST B POST B POST B POST B		2.148 mL/mx 2.621 g/mx 50.0 mL/mx 2.148 mL/mx 15.0 mL/mx	1497.9 mL 1430.2 mL	112	210	303	411

Sort Order: Replicate 1

# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

AND ANTHEM MAXX

Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN

Location: PONDER FARM Investigator: Eric P. Prostko

## Trial Comments

REVULIN Q = NICOSULFURON (14.4%) + MESOTRIONE (36.8%)

ANTHEM MAXX = PYROXASULFONE (4.174 LBS/GAL) + FLUTHIACET (0.126 LBS/GAL)

GRAMOXONE 2SL @ 48 OZ/A + NIS (TASER) @ 0.25% V/V - APRIL 5

HARVEST DATE: 09/07/23

HARVEST MOISTURE: 14.6%

YIELDS ADJUSTED TO 15.5%

### **SUMMARY:**

- 1) PRE APPLICATIONS OF ANTHEM MAXX CAUSED LITTLE FIELD CORN INJURY AND PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES.
- 2) FIELD CORN LEAF NECROSIS WAS INCREASED WHEN IMPACT OR SHIELDEX + ATRAZINE + ANTHEM MAXX FOLLOWED A PRE APPLICATION OF ANTHEM MAXX.
- 3) PALMER AMARANTH AND WILD RADISH CONTROL WITH POST APPLIED HPPD'S + ATRAZINE + ANTHEM MAXX WAS EXCELLENT (98%+ CONTROL).
- 4) ANNUAL GRASS CONTROL WITH POST APPLIED HPPD'S + ATRAZINE + ANTHEM MAXX WAS BETTER WHEN FOLLOWING A PRE APPLICATION OF ANTHEM MAXX.
- 5) GENERALLY, LATE-SEASON FLORIDA BEGGARWEED CONTROL WAS BETTER IN PLOTS NOT TREATED WITH A PRE BECAUSE ANNUAL GRASSES CHOKED OUT BEGGARWEED.
- 6) TOTAL WEED BIOMASS AT HARVEST WAS LOWER WHEN ANTHEM MAXX WAS APPLIED PRE.
- 7) ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC BUT THERE WERE NO DIFFERENCES IN YIELD BETWEEN HERBICIDE TREATMENTS.

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** BLAIR COLVIN **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.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/CRAB/GOOSE/CROW
4.	DEDTO	FL	ORIDA BEGGARWEED

**Crop 1:** ZEAMA FIELD CORN **Variety:** PIONEER P2042VYHR  
**Planting Date:** Apr-3-23 **Planting Method:** MONOSEM  
**Rate:** 33800 S/A **Depth:** 2 IN **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 36 IN **Spacing Within Row:** \_\_\_\_\_ **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** OPTIMUM **Emergence Date:** \_\_\_\_\_

### SITE AND DESIGN

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** FACTOR

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2022

### MAINTENANCE

**Field Prep./Maintenance:** 1 TON/A LIME - PREPLANT  
 800 LBS/A 5-15-30 - PREPLANT  
 122-0-0-15 SIDEDRESS ON APRIL 24 AND MAY 3  
 AXILO BMZ @ 2 LBS/A (MICRONUTRIENTS) ON APRIL 20

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

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 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

**SOIL DESCRIPTION**

% Sand: 94 % OM: 0.61 Texture: SAND  
 % Silt: 4 pH: 6.0 Soil Name: TIFTON  
 % Clay: 2 CEC: 2.5 Fert. Level: \_\_\_\_\_

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-3-23		0.83	IN	RAINFALL		
2.	Apr-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
3.	Apr-8-23		0.42	IN	RAINFALL		
4.	Apr-14-23		0.11	IN	RAINFALL		
5.	Apr-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-21-23		0.3	IN	SPRINKLER - LATERAL MOVE		
7.	Apr-25-23		0.25	IN	SPRINKLER - LATERAL MOVE		
8.	Apr-27-23		1.0	IN	RAINFALL		
9.	Apr-29-23		0.65	IN	RAINFALL		
10.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	May-12-23		2.5	IN	RAINFALL		
12.	May-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
13.	May-20-23		0.1	IN	SPRINKLER - LATERAL MOVE		
14.	May-22-23		0.75	IN	RAINFALL		

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

**APPLICATION DESCRIPTION**

	A	B
Application Date:	Apr-5-23	May-1-23
Time of Day:	7:43 AM	6:52 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	65 F	52 F
% Relative Humidity:	94	82
Wind Velocity, Unit:	2 MPH	1 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	68 F	59 F
Soil Moisture:	OPTIMUM	WET
% Cloud Cover:	5	20

**CROP STAGE AT EACH APPLICATION**

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V5-V6
Height, Unit:		9, IN

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**WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX**

Trial ID: CN-13-23      Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM      Investigator: Eric P. Prostko

<b>WEED STAGE AT EACH APPLICATION</b>		
	A	B
<b>Weed 1 Code, Stage:</b>	AMAPA,	AMAPA,
<b>Stage Scale:</b>		3";5 LEAF
<b>Density, Unit:</b>		
<b>Weed 2 Code, Stage:</b>	RAPRA,	RAPRA,
<b>Stage Scale:</b>		5";6 LF
<b>Density, Unit:</b>		
<b>Weed 3 Code, Stage:</b>	AGRAS,	AGRAS,
<b>Stage Scale:</b>		3";2LF
<b>Density, Unit:</b>		
<b>Weed 4 Code, Stage:</b>	DEDTO,	DEDTO,
<b>Stage Scale:</b>		0.5";COTY
<b>Density, Unit:</b>		

<b>APPLICATION EQUIPMENT</b>		
	A	B
<b>Appl. Equipment:</b>	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	38	37
<b>Nozzle Type:</b>	AIXR	AIXR
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Nozzles/Row:</b>		
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>		
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3.5 MPH	3.5 MPH
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	CO2
<b>Tank Mix (Y/N):</b>		

Trt No	Treatment Application Comment

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX																
Trial ID: CN-13-23		Study Dir.: BLAIR COLVIN														
Location: PONDER FARM		Investigator: Eric P. Prostko														
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Zeama Stunting %	Rapra Control %	Amapa Control %	Agrass Control %	Zeama Stunting %	Rapra Control %	Amapa Control %	Agrass Control %	Zeama Stunting %	Zeama Necrosis %	
						Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	May-12-23	
						14 DA-A	14 DA-A	14 DA-A	14 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	37 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9	10
TABLE OF R MEANS																
Replicate 1							0.8	47.7	49.5	48.4	2.1	46.3	49.5	49.2	5.4	9.6
Replicate 2							0.0	48.5	49.5	49.5	0.0	44.8	49.5	49.5	0.8	11.3
Replicate 3							0.0	48.8	49.5	49.2	1.7	47.0	49.5	48.1	2.5	11.3
Replicate 4							0.0	48.5	49.5	47.4	0.4	45.6	49.5	48.8	2.1	10.4
TABLE OF A (PRE) MEANS																
1	NO PRE						0.0 -	0.0 b	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	2.9 -	9.8 b
2	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE	A	0.4 -	96.8 a	99.0 a	97.3 a	2.1 -	91.8 a	99.0 a	97.8 a	2.5 -	11.5 a
LSD P=.10							0.98	1.17	.	2.18	2.33	2.19	.	1.43	3.05	1.13
Standard Deviation							1.44	1.72	0.00	3.20	3.44	3.22	0.00	2.10	4.49	1.67
CV							692.82	3.56	0.00	6.58	329.85	7.01	0.00	4.29	165.70	15.69
TABLE OF B (POST) MEANS																
1	NO POST						0.0 -	47.4 -	49.5 -	48.4 -	0.6 -	46.1 -	49.5 -	49.0 -	0.0 -	0.0 d
2	CALLISTO	4 SC		3.0 oz/a	POST	B	0.0 -	49.0 -	49.5 -	48.0 -	1.3 -	45.0 -	49.5 -	49.0 -	3.1 -	12.5 bc
2	ATRAZINE	4 L		64.0 oz/a	POST	B										
2	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B										
2	AGRIDEX			1.0 % v/v	POST	B										
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B	0.0 -	47.4 -	49.5 -	47.9 -	0.6 -	45.6 -	49.5 -	47.9 -	4.4 -	11.3 bc
3	ATRAZINE	4 L		64.0 oz/a	POST	B										
3	ANTHEM MAX	4.3 SC		2.75 oz/a	POST	B										
3	AGRIDEX			1.0 % v/v	POST	B										
4	IMPACT	2.8 SC		1.0 oz/a	POST	B	0.0 -	48.5 -	49.5 -	49.0 -	0.6 -	43.3 -	49.5 -	49.5 -	2.5 -	13.1 b
4	ATRAZINE	4 L		64.0 oz/a	POST	B										
4	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B										
4	AGRIDEX			1.0 % v/v	POST	B										
5	SHIELDX	3.33 SC		1.0 oz/a	POST	B	1.3 -	49.5 -	49.5 -	49.0 -	1.3 -	48.0 -	49.5 -	48.5 -	2.5 -	16.3 a
5	ATRAZINE	4 L		64.0 oz/a	POST	B										
5	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B										
5	AGRIDEX			1.0 % v/v	POST	B										
6	REVULIN Q	51.2 DG		3.5 oz/a	POST	B	0.0 -	48.5 -	49.5 -	49.5 -	1.9 -	47.4 -	49.5 -	49.5 -	3.8 -	10.6 c
6	ATRAZINE	4 L		64.0 oz/a	POST	B										
6	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B										
6	AGRIDEX			1.0 % v/v	POST	B										
LSD P=.10							1.27	1.66	.	1.52	2.29	3.15	.	1.32	2.73	1.90
Standard Deviation							1.44	1.89	0.00	1.73	2.61	3.59	0.00	1.51	3.12	2.17
CV							692.82	3.92	0.00	3.56	250.44	7.82	0.00	3.09	115.13	20.45
TABLE OF A (PRE) B (POST) MEANS																
1	NO PRE						0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 f
1	NO POST															
2	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE	A	0.0 -	94.8 -	99.0 a	96.8 -	1.3 -	92.3 -	99.0 a	98.0 -	0.0 -	0.0 f
1	NO POST															
1	NO PRE						0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 -	0.0 b	0.0 -	3.8 -	12.5 cd
2	CALLISTO	4 SC		3.0 oz/a	POST	B										
2	ATRAZINE	4 L		64.0 oz/a	POST	B										
2	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B										
2	AGRIDEX			1.0 % v/v	POST	B										

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.

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Trial ID:		CN-13-23		Study Dir.:		BLAIR COLVIN										
Location:		PONDER FARM		Investigator:		Eric P. Prostko										
Weed Code							Zeama		Rapra		Amapa		Agrass		Zeama	
Crop Code							Stunting		Control		Control		Control		Stunting	
Rating Data Type							%		%		%		%		%	
Rating Unit							%		%		%		%		%	
Rating Date							Apr-19-23		Apr-19-23		Apr-19-23		Apr-19-23		Apr-27-23	
Trt-Eval Interval							14 DA-A		14 DA-A		14 DA-A		14 DA-A		22 DA-A	
Trt Treatment							1		2		3		4		5	
No. Name							2		3		4		5		6	
Form Form							3.5 SC		4 L		4.3 SC		4 L		4.3 SC	
Rate Rate							3.0 oz/a		64.0 oz/a		2.75 oz/a		3.0 oz/a		64.0 oz/a	
Grow Stg							POST B		POST B		POST B		POST B		POST B	
Appl Code							POST B		POST B		POST B		POST B		POST B	
							0.0 -		98.0 -		99.0 a		96.0 -		2.5 -	
							98.0 -		99.0 a		99.0 a		98.0 -		2.5 -	
							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
							0.0 -		99.0 -		99.0 a		98.0 -		2.5 -	
							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
							0.0 -		97.0 -		99.0 a		99.0 -		6.3 -	
							1.79		2.35		. .		2.15		3.23	
Standard Deviation							1.44		1.89		0.00		1.73		2.61	
CV							692.82		3.92		0.00		3.56		250.44	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A							0.0 -		98.0 -		99.0 a		96.0 -		2.5 -	
2 CALLISTO 4 SC 3.0 oz/a POST B							0.0 -		98.0 -		99.0 a		99.0 a		98.0 -	
2 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		98.0 -		99.0 a		99.0 a		98.0 -	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		98.0 -		99.0 a		99.0 a		98.0 -	
2 AGRIDEX 1.0 % v/v POST B							0.0 -		98.0 -		99.0 a		99.0 a		98.0 -	
1 NO PRE							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
3 LAUDIS 3.5 SC 3.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
3 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
3 ANTHEM MAX 4.3 SC 2.75 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
3 AGRIDEX 1.0 % v/v POST B							0.0 -		0.0 -		0.0 b		0.0 -		7.5 -	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
3 LAUDIS 3.5 SC 3.0 oz/a POST B							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
3 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
3 ANTHEM MAX 4.3 SC 2.75 oz/a POST B							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
3 AGRIDEX 1.0 % v/v POST B							0.0 -		94.8 -		99.0 a		95.8 -		1.3 -	
1 NO PRE							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
4 IMPACT 2.8 SC 1.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
4 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
4 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
4 AGRIDEX 1.0 % v/v POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
4 IMPACT 2.8 SC 1.0 oz/a POST B							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
4 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
4 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
4 AGRIDEX 1.0 % v/v POST B							0.0 -		97.0 -		99.0 a		98.0 -		1.3 -	
1 NO PRE							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
5 SHIELDEX 3.33 SC 1.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
5 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
5 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
5 AGRIDEX 1.0 % v/v POST B							0.0 -		0.0 -		0.0 b		0.0 -		2.5 -	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A							2.5 -		99.0 -		99.0 a		98.0 -		2.5 -	
5 SHIELDEX 3.33 SC 1.0 oz/a POST B							2.5 -		99.0 -		99.0 a		96.0 -		99.0 a	
5 ATRAZINE 4 L 64.0 oz/a POST B							2.5 -		99.0 -		99.0 a		96.0 -		99.0 a	
5 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							2.5 -		99.0 -		99.0 a		96.0 -		99.0 a	
5 AGRIDEX 1.0 % v/v POST B							2.5 -		99.0 -		99.0 a		96.0 -		99.0 a	
1 NO PRE							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
6 REVULIN Q 51.2 DG 3.5 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
6 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
6 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
6 AGRIDEX 1.0 % v/v POST B							0.0 -		0.0 -		0.0 b		0.0 -		1.3 -	
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A							0.0 -		97.0 -		99.0 a		99.0 -		3.8 -	
6 REVULIN Q 51.2 DG 3.5 oz/a POST B							0.0 -		97.0 -		99.0 a		99.0 -		3.8 -	
6 ATRAZINE 4 L 64.0 oz/a POST B							0.0 -		97.0 -		99.0 a		99.0 -		3.8 -	
6 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B							0.0 -		97.0 -		99.0 a		99.0 -		3.8 -	
6 AGRIDEX 1.0 % v/v POST B							0.0 -		97.0 -		99.0 a		99.0 -		3.8 -	

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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX										
Trial ID: CN-13-23		Study Dir.: BLAIR COLVIN								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code		Rapra	Amapa	Agrass	Zeama Stunting	Amapa	Agrass	Amapa	Dedto	Agrass
Crop Code		Control %	Control %	Control %	Control %	Control %	Control %	Control %	Control %	Control %
Rating Data Type		May-12-23	May-12-23	May-12-23	May-30-23	May-30-23	May-30-23	Aug-15-23	Aug-15-23	Aug-15-23
Rating Unit		37 DA-A	37 DA-A	37 DA-A	55 DA-A	55 DA-A	55 DA-A	132 DA-A	132 DA-A	132 DA-A
Rating Date										
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code				
							11	12	13	14
							15	16	17	18
							19			
<b>TABLE OF R MEANS</b>										
Replicate 1							90.4	90.8	76.3	5.8
Replicate 2							90.0	90.8	74.2	5.0
Replicate 3							90.0	90.8	70.9	3.3
Replicate 4							90.0	90.8	73.3	2.1
<b>TABLE OF A (PRE) MEANS</b>										
1	NO PRE						82.5 b	82.5 b	52.5 b	4.2 -
2	ANTHEM MAXX	4.3 SC	2.75 oz/a	PRE	A		97.7 a	99.0 a	94.9 a	4.0 -
LSD P=.10										
Standard Deviation										
CV										
<b>TABLE OF B (POST) MEANS</b>										
1	NO POST						45.6 b	49.5 b	38.8 c	0.6 b
2	CALLISTO	4 SC	3.0 oz/a	POST	B		99.0 a	99.0 a	77.1 ab	5.0 a
2	ATRAZINE	4 L	64.0 oz/a	POST	B					
2	ANTHEM MAXX	4.3 SC	2.75 oz/a	POST	B					
2	AGRIDEX		1.0 % v/v	POST	B					
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B		99.0 a	99.0 a	83.3 a	3.8 a
3	ATRAZINE	4 L	64.0 oz/a	POST	B					
3	ANTHEM MAX	4.3 SC	2.75 oz/a	POST	B					
3	AGRIDEX		1.0 % v/v	POST	B					
4	IMPACT	2.8 SC	1.0 oz/a	POST	B		99.0 a	99.0 a	74.0 b	5.0 a
4	ATRAZINE	4 L	64.0 oz/a	POST	B					
4	ANTHEM MAXX	4.3 SC	2.75 oz/a	POST	B					
4	AGRIDEX		1.0 % v/v	POST	B					
5	SHIELDDEX	3.33 SC	1.0 oz/a	POST	B		99.0 a	99.0 a	85.1 a	4.4 a
5	ATRAZINE	4 L	64.0 oz/a	POST	B					
5	ANTHEM MAXX	4.3 SC	2.75 oz/a	POST	B					
5	AGRIDEX		1.0 % v/v	POST	B					
6	REVULIN Q	51.2 DG	3.5 oz/a	POST	B		99.0 a	99.0 a	83.8 a	5.6 a
6	ATRAZINE	4 L	64.0 oz/a	POST	B					
6	ANTHEM MAXX	4.3 SC	2.75 oz/a	POST	B					
6	AGRIDEX		1.0 % v/v	POST	B					
LSD P=.10										
Standard Deviation										
CV										
<b>TABLE OF A (PRE) B (POST) MEANS</b>										
1	NO PRE						0.0 c	0.0 b	0.0 e	0.0 -
1	NO POST									
2	ANTHEM MAXX	4.3 SC	2.75 oz/a	PRE	A		91.3 b	99.0 a	77.5 b	1.3 -
1	NO POST									
1	NO PRE						99.0 a	99.0 a	57.5 cd	5.0 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					
2	ATRAZINE	4 L	64.0 oz/a	POST	B					
2	ANTHEM MAXX	4.3 SC	2.75 oz/a	POST	B					
2	AGRIDEX		1.0 % v/v	POST	B					

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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX															
Trial ID: CN-13-23		Study Dir.: BLAIR COLVIN													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Rapra	Amapa	Agrass	Zeama Stunting	Amapa	Agrass	Amapa	Dedto	Agrass	
						Control %	Control %	Control %	Control %	Control %	Control %	Control %	Control %	Control %	
						May-12-23	May-12-23	May-12-23	May-30-23	May-30-23	May-30-23	Aug-15-23	Aug-15-23	Aug-15-23	
						37 DA-A	37 DA-A	37 DA-A	55 DA-A	55 DA-A	55 DA-A	132 DA-A	132 DA-A	132 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	99.0 a	99.0 a	96.8 a	5.0 -	99.0 a	93.8 a	99.0 a	56.3 c	66.3 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B									
2	ATRAZINE	4	L	64.0 oz/a	POST	B									
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
2	AGRINDEX			1.0 % v/v	POST	B									
1	NO PRE						99.0 a	99.0 a	67.5 bc	6.3 -	99.0 a	62.5 bc	99.0 a	85.0 ab	7.5 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B									
3	ATRAZINE	4	L	64.0 oz/a	POST	B									
3	ANTHEM MAX	4.3	SC	2.75 oz/a	POST	B									
3	AGRINDEX			1.0 % v/v	POST	B									
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	1.3 -	99.0 a	95.0 a	99.0 a	55.0 c	62.5 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B									
3	ATRAZINE	4	L	64.0 oz/a	POST	B									
3	ANTHEM MAX	4.3	SC	2.75 oz/a	POST	B									
3	AGRINDEX			1.0 % v/v	POST	B									
1	NO PRE						99.0 a	99.0 a	50.0 d	5.0 -	97.3 ab	46.3 d	99.0 a	94.8 a	0.0 -
4	IMPACT	2.8	SC	1.0 oz/a	POST	B									
4	ATRAZINE	4	L	64.0 oz/a	POST	B									
4	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
4	AGRINDEX			1.0 % v/v	POST	B									
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	99.0 a	99.0 a	98.0 a	5.0 -	99.0 a	95.0 a	99.0 a	56.3 c	73.8 -
4	IMPACT	2.8	SC	1.0 oz/a	POST	B									
4	ATRAZINE	4	L	64.0 oz/a	POST	B									
4	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
4	AGRINDEX			1.0 % v/v	POST	B									
1	NO PRE						99.0 a	99.0 a	71.3 b	2.5 -	99.0 a	66.3 b	98.0 a	86.0 ab	0.0 -
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B									
5	ATRAZINE	4	L	64.0 oz/a	POST	B									
5	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
5	AGRINDEX			1.0 % v/v	POST	B									
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	6.3 -	99.0 a	95.0 a	99.0 a	58.8 c	71.3 -
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B									
5	ATRAZINE	4	L	64.0 oz/a	POST	B									
5	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
5	AGRINDEX			1.0 % v/v	POST	B									
1	NO PRE						99.0 a	99.0 a	68.5 bc	6.3 -	99.0 a	62.5 bc	99.0 a	76.3 b	5.0 -
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B									
6	ATRAZINE	4	L	64.0 oz/a	POST	B									
6	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
6	AGRINDEX			1.0 % v/v	POST	B									
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	5.0 -	99.0 a	95.0 a	98.0 a	61.3 c	83.8 -
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B									
6	ATRAZINE	4	L	64.0 oz/a	POST	B									
6	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B									
6	AGRINDEX			1.0 % v/v	POST	B									
LSD P=.10							0.89		12.21	4.91	1.87	9.65	1.21	13.45	15.17
Standard Deviation							0.72	0.00	9.85	3.96	1.51	7.78	0.98	10.85	12.23
CV							0.80	0.00	13.37	97.41	1.67	11.32	1.08	16.19	34.85

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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES  
AND ANTHEM MAXX

Trial ID: CN-13-23      Study Dir.: BLAIR COLVIN  
Location: PONDER FARM      Investigator: Eric P. Prostko

Weed Code			TOTAL	-----	-----
Crop Code			WEED	ZEAMA	ZEAMA
Rating Data Type			Cover	YIELD	YIELD
Rating Unit			%	LBS/PLOT	BU/A
Rating Date			Aug-15-23	Sep-7-23	Sep-7-23
Tri-Eval Interval			132 DA-A	155 DA-A	155 DA-A
Tri Treatment	Form	Rate	Grow	Appl	
No. Name	Conc	Type	Stg	Code	
					20
					21
					22
<b>TABLE OF R MEANS</b>					
Replicate 1					
					79.6
					38.9
					204
Replicate 2					
					75.0
					40.6
					213
Replicate 3					
					72.9
					45.8
					240
Replicate 4					
					74.6
					45.7
					239
<b>TABLE OF A (PRE) MEANS</b>					
1 NO PRE					
					91.3 a
					41.8 -
					219 -
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A					
					59.8 b
					43.7 -
					229 -
LSD P=.10					
Standard Deviation					
					4.76
					7.01
					3.21
					4.73
					16.8
					24.8
					11.1
<b>TABLE OF B (POST) MEANS</b>					
1 NO POST					
					92.5 a
					39.8 b
					208 b
2 CALLISTO 4 SC 3.0 oz/a POST B					
					73.8 b
					43.4 a
					227 a
2 ATRAZINE 4 L 64.0 oz/a POST B					
2 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B					
2 AGRIDEX 1.0 % v/v POST B					
					71.3 b
					43.4 a
					227 a
3 LAUDIS 3.5 SC 3.0 oz/a POST B					
					71.3 b
					43.4 a
					227 a
3 ATRAZINE 4 L 64.0 oz/a POST B					
3 ANTHEM MAX 4.3 SC 2.75 oz/a POST B					
3 AGRIDEX 1.0 % v/v POST B					
					71.3 b
					43.4 a
					227 a
4 IMPACT 2.8 SC 1.0 oz/a POST B					
					75.0 b
					43.4 a
					227 a
4 ATRAZINE 4 L 64.0 oz/a POST B					
4 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B					
4 AGRIDEX 1.0 % v/v POST B					
					75.0 b
					43.4 a
					227 a
5 SHIELDDEX 3.33 SC 1.0 oz/a POST B					
					73.1 b
					42.9 a
					225 a
5 ATRAZINE 4 L 64.0 oz/a POST B					
5 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B					
5 AGRIDEX 1.0 % v/v POST B					
					73.1 b
					42.9 a
					225 a
6 REVULIN Q 51.2 DG 3.5 oz/a POST B					
					67.5 b
					43.8 a
					229 a
6 ATRAZINE 4 L 64.0 oz/a POST B					
6 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B					
6 AGRIDEX 1.0 % v/v POST B					
					67.5 b
					43.8 a
					229 a
LSD P=.10					
Standard Deviation					
					8.96
					10.22
					2.40
					2.74
					12.6
					14.4
					6.4
<b>TABLE OF A (PRE) B (POST) MEANS</b>					
1 NO PRE					
					95.0 a
					35.0 b
					183 b
1 NO POST					
2 ANTHEM MAXX 4.3 SC 2.75 oz/a PRE A					
					90.0 a
					44.5 a
					233 a
1 NO PRE					
					87.5 a
					44.5 a
					233 a
2 CALLISTO 4 SC 3.0 oz/a POST B					
					87.5 a
					44.5 a
					233 a
2 ATRAZINE 4 L 64.0 oz/a POST B					
2 ANTHEM MAXX 4.3 SC 2.75 oz/a POST B					
2 AGRIDEX 1.0 % v/v POST B					
					87.5 a
					44.5 a
					233 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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES  
AND ANTHEM MAXX

Trial ID: CN-13-23      Study Dir.: BLAIR COLVIN  
Location: PONDER FARM      Investigator: Eric P. Prostko

							TOTAL	-----	-----
							WEED	ZEAMA	ZEAMA
							Cover	YIELD	YIELD
							%	LBS/PLOT	BU/A
							Aug-15-23	Sep-7-23	Sep-7-23
							132 DA-A	155 DA-A	155 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate Unit	Stg	Code	20	21	22
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	60.0 b	42.3 a	221 a
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	ATRAZINE	4	L	64.0 oz/a	POST	B			
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
2	AGRIDEX			1.0 % v/v	POST	B			
1	NO PRE						87.5 a	42.3 a	221 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	ATRAZINE	4	L	64.0 oz/a	POST	B			
3	ANTHEM MAX	4.3	SC	2.75 oz/a	POST	B			
3	AGRIDEX			1.0 % v/v	POST	B			
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	55.0 b	44.5 a	233 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	ATRAZINE	4	L	64.0 oz/a	POST	B			
3	ANTHEM MAX	4.3	SC	2.75 oz/a	POST	B			
3	AGRIDEX			1.0 % v/v	POST	B			
1	NO PRE						95.0 a	43.5 a	228 a
4	IMPACT	2.8	SC	1.0 oz/a	POST	B			
4	ATRAZINE	4	L	64.0 oz/a	POST	B			
4	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
4	AGRIDEX			1.0 % v/v	POST	B			
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	55.0 b	43.3 a	227 a
4	IMPACT	2.8	SC	1.0 oz/a	POST	B			
4	ATRAZINE	4	L	64.0 oz/a	POST	B			
4	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
4	AGRIDEX			1.0 % v/v	POST	B			
1	NO PRE						92.5 a	42.3 a	221 a
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B			
5	ATRAZINE	4	L	64.0 oz/a	POST	B			
5	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
5	AGRIDEX			1.0 % v/v	POST	B			
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	53.8 bc	43.5 a	228 a
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B			
5	ATRAZINE	4	L	64.0 oz/a	POST	B			
5	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
5	AGRIDEX			1.0 % v/v	POST	B			
1	NO PRE						90.0 a	43.3 a	227 a
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B			
6	ATRAZINE	4	L	64.0 oz/a	POST	B			
6	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
6	AGRIDEX			1.0 % v/v	POST	B			
2	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	45.0 c	44.3 a	232 a
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B			
6	ATRAZINE	4	L	64.0 oz/a	POST	B			
6	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B			
6	AGRIDEX			1.0 % v/v	POST	B			
LSD P=.10							9.53	3.09	16.2
Standard Deviation							7.69	2.49	13.0
CV							10.18	5.82	5.8

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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX			
Trial ID:	CN-13-23	Study Dir.:	BLAIR COLVIN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-19-23 14 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	97.916667				
R	3	6.250000	2.083333	1.000	0.4199	
A	1	2.083333	2.083333	1.000	0.3910	1.0
RA	3	6.250000	2.083333			
B	5	10.416667	2.083333	1.000	0.4509	1.3
RB	15	31.250000	2.083333			
AB	5	10.416667	2.083333	1.000	0.4509	1.8
RAB	15	31.250000	2.083333			

COMPLETE FACTORIAL AOV For Rapra Control % Apr-19-23 14 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	112511.250000				
R	3	8.916667	2.972222	0.828	0.4988	
A	1	112326.750000	112326.750000	37792.178	0.0001	1.2
RA	3	8.916667	2.972222			
B	5	29.500000	5.900000	1.644	0.2088	1.7
RB	15	53.833333	3.588889			
AB	5	29.500000	5.900000	1.644	0.2088	2.3
RAB	15	53.833333	3.588889			

COMPLETE FACTORIAL AOV For Amapa Control % Apr-19-23 14 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	117612.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	117612.000000	117612.000000	0.000	1.0000	
RA	3	0.000000	0.000000			
B	5	0.000000	0.000000	0.000	1.0000	
RB	15	0.000000	0.000000			
AB	5	0.000000	0.000000	0.000	1.0000	
RAB	15	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass Control % Apr-19-23 14 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	113675.250000				
R	3	30.750000	10.250000	3.417	0.0449	
A	1	113490.750000	113490.750000	11072.268	0.0001	2.2
RA	3	30.750000	10.250000			
B	5	16.500000	3.300000	1.100	0.4008	1.5
RB	15	45.000000	3.000000			
AB	5	16.500000	3.300000	1.100	0.4008	2.1
RAB	15	45.000000	3.000000			

COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-27-23 22 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	347.916667				
R	3	35.416667	11.805556	1.735	0.2028	
A	1	52.083333	52.083333	4.412	0.1265	2.3
RA	3	35.416667	11.805556			
B	5	10.416667	2.083333	0.306	0.9016	2.3
RB	15	102.083333	6.805556			
AB	5	10.416667	2.083333	0.306	0.9016	3.2
RAB	15	102.083333	6.805556			

COMPLETE FACTORIAL AOV For Rapra Control % Apr-27-23 22 DA-A (Data Column 6) Missing values in column 6 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	46	101844.386574				
R	3	31.062500	10.354167	0.750	0.5405	
A	1	101169.724537	101169.724537	9770.919	0.0001	2.2
RA	3	31.062500	10.354167			
B	5	112.872685	22.574537	1.751	0.1838	3.1
RB	15	193.395833	12.893056			
AB	5	112.872685	22.574537	1.634	0.2152	4.6
RAB	14	193.395833	13.813988			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
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# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX			
Trial ID:	CN-13-23	Study Dir.:	BLAIR COLVIN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Amapa Control % Apr-27-23 22 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	117612.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	117612.000000	117612.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	5	0.000000	0.000000	0.000	1.0000	.
RB	15	0.000000	0.000000			
AB	5	0.000000	0.000000	0.000	1.0000	.
RAB	15	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass Control % Apr-27-23 22 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	114884.479167				
R	3	13.229167	4.409722	1.937	0.1670	
A	1	114758.520833	114758.520833	26023.980	0.0001	1.4
RA	3	13.229167	4.409722			
B	5	15.604167	3.120833	1.371	0.2898	1.3
RB	15	34.145833	2.276389			
AB	5	15.604167	3.120833	1.371	0.2898	1.9
RAB	15	34.145833	2.276389			

COMPLETE FACTORIAL AOV For Zeama Stunting % May-12-23 37 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	847.916667				
R	3	135.416667	45.138889	2.390	0.1095	
A	1	2.083333	2.083333	0.103	0.7688	3.0
RA	3	60.416667	20.138889			
B	5	91.666667	18.333333	1.886	0.1567	2.7
RB	15	145.833333	9.722222			
AB	5	129.166667	25.833333	1.368	0.2910	5.4
RAB	15	283.333333	18.888889			

COMPLETE FACTORIAL AOV For Zeama Necrosis % May-12-23 37 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1481.250000				
R	3	22.916667	7.638889	1.897	0.1736	
A	1	33.333333	33.333333	12.000	0.0405	1.1
RA	3	8.333333	2.777778			
B	5	1237.500000	247.500000	52.412	0.0001	1.9
RB	15	70.833333	4.722222			
AB	5	47.916667	9.583333	2.379	0.0886	2.5
RAB	15	60.416667	4.027778			

COMPLETE FACTORIAL AOV For Rapra Control % May-12-23 37 DA-A (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35664.479167				
R	3	1.562500	0.520833	1.000	0.4199	
A	1	2775.520833	2775.520833	5329.000	0.0001	0.5
RA	3	1.562500	0.520833			
B	5	18992.604167	3798.520833	7293.160	0.0001	0.6
RB	15	7.812500	0.520833			
AB	5	13877.604167	2775.520833	5329.000	0.0001	0.9
RAB	15	7.812500	0.520833			

COMPLETE FACTORIAL AOV For Amapa Control % May-12-23 37 DA-A (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35937.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	3267.000000	3267.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	5	16335.000000	3267.000000	0.000	1.0000	.
RB	15	0.000000	0.000000			
AB	5	16335.000000	3267.000000	0.000	1.0000	.
RAB	15	0.000000	0.000000			

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# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX			
Trial ID:	CN-13-23	Study Dir.:	BLAIR COLVIN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Agrass Control % May-12-23 37 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	40508.666667				
R	3	181.166667	60.388889	0.622	0.6116	
A	1	21590.083333	21590.083333	1220.162	0.0001	2.9
RA	3	53.083333	17.694444			
B	5	12448.416667	2489.683333	29.106	0.0001	8.1
RB	15	1283.083333	85.538889			
AB	5	3496.666667	699.333333	7.204	0.0013	12.2
RAB	15	1456.166667	97.077778			

COMPLETE FACTORIAL AOV For Zeama Stunting % May-30-23 55 DA-A (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	832.812500				
R	3	101.562500	33.854167	2.162	0.1351	
A	1	0.520833	0.520833	0.013	0.9157	4.3
RA	3	118.229167	39.409722			
B	5	129.687500	25.937500	2.371	0.0894	2.9
RB	15	164.062500	10.937500			
AB	5	83.854167	16.770833	1.071	0.4148	4.9
RAB	15	234.895833	15.659722			

COMPLETE FACTORIAL AOV For Amapa Control % May-30-23 55 DA-A (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35773.666667				
R	3	9.500000	3.166667	1.397	0.2823	
A	1	3234.083333	3234.083333	3528.091	0.0001	0.7
RA	3	2.750000	0.916667			
B	5	16972.916667	3394.583333	1868.578	0.0001	1.2
RB	15	27.250000	1.816667			
AB	5	15493.166667	3098.633333	1367.044	0.0001	1.9
RAB	15	34.000000	2.266667			

COMPLETE FACTORIAL AOV For Agrass Control % May-30-23 55 DA-A (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	38725.000000				
R	3	654.166667	218.055556	3.601	0.0386	
A	1	19200.000000	19200.000000	114.248	0.0018	8.8
RA	3	504.166667	168.055556			
B	5	15412.500000	3082.500000	65.276	0.0001	6.0
RB	15	708.333333	47.222222			
AB	5	1337.500000	267.500000	4.417	0.0113	9.6
RAB	15	908.333333	60.555556			

COMPLETE FACTORIAL AOV For Amapa Control % Aug-15-23 132 DA-A (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35784.000000				
R	3	1.000000	0.333333	0.349	0.7905	
A	1	3333.333333	3333.333333	2727.273	0.0001	0.8
RA	3	3.666667	1.222222			
B	5	16140.000000	3228.000000	2848.235	0.0001	0.9
RB	15	17.000000	1.133333			
AB	5	16274.666667	3254.933333	3406.326	0.0001	1.2
RAB	15	14.333333	0.955556			

COMPLETE FACTORIAL AOV For Dedto Control % Aug-15-23 132 DA-A (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	29011.916667				
R	3	737.750000	245.916667	2.088	0.1447	
A	1	15336.750000	15336.750000	297.962	0.0004	4.9
RA	3	154.416667	51.472222			
B	5	3757.666667	751.533333	6.708	0.0018	9.3
RB	15	1680.500000	112.033333			
AB	5	5578.500000	1115.700000	9.475	0.0003	13.5
RAB	15	1766.333333	117.755556			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
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# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX			
Trial ID:	CN-13-23	Study Dir.:	BLAIR COLVIN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Agrass Control % Aug-15-23 132 DA-A (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	60124.479167				
R	3	1039.062500	346.354167	2.314	0.1174	
A	1	49729.687500	49729.687500	220.510	0.0007	10.2
RA	3	676.562500	225.520833			
B	5	1865.104167	373.020833	1.845	0.1644	12.5
RB	15	3032.812500	202.187500			
AB	5	1535.937500	307.187500	2.052	0.1290	15.2
RAB	15	2245.312500	149.687500			

COMPLETE FACTORIAL AOV For TOTAL WEED Cover % Aug-15-23 132 DA-A (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	19861.979167				
R	3	293.229167	97.743056	1.653	0.2195	
A	1	11875.520833	11875.520833	241.707	0.0006	4.8
RA	3	147.395833	49.131944			
B	5	3040.104167	608.020833	5.823	0.0035	9.0
RB	15	1566.145833	104.409722			
AB	5	2052.604167	410.520833	6.942	0.0015	9.5
RAB	15	886.979167	59.131944			

COMPLETE FACTORIAL AOV For ----- ZEAMA YIELD LBS/PLOT Sep-7-23 155 DA-A (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1017.000000				
R	3	448.833333	149.611111	24.152	0.0001	
A	1	44.083333	44.083333	1.971	0.2549	3.2
RA	3	67.083333	22.361111			
B	5	89.500000	17.900000	2.383	0.0883	2.4
RB	15	112.666667	7.511111			
AB	5	161.916667	32.383333	5.228	0.0056	3.1
RAB	15	92.916667	6.194444			

COMPLETE FACTORIAL AOV For ----- ZEAMA YIELD BU/A Sep-7-23 155 DA-A (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	27934.470725				
R	3	12328.339833	4109.446611	24.152	0.0001	
A	1	1210.859965	1210.859965	1.971	0.2549	17
RA	3	1842.612990	614.204330			
B	5	2458.343294	491.668659	2.383	0.0883	13
RB	15	3094.674240	206.311616			
AB	5	4447.449739	889.489948	5.228	0.0056	16
RAB	15	2552.190664	170.146044			

Rating Unit						
% = PERCENT						
ARM Action Codes						
TY1 = 5.24094675*[21]						

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 CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Zeama	Rapra	Amapa	Agrass	Zeama	Rapra	Amapa	Agrass	Zeama	
Crop Code						Stunting	Control	Control	Control	Stunting	Control	Control	Control	Stunting	
Rating Data Type						%	%	%	%	%	%	%	%	%	
Rating Unit						Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	May-12-23	
Rating Date						14 DA-A	14 DA-A	14 DA-A	14 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	37 DA-A	
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5	6	7	8	9
1	NO PRE					101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST					211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						309	0.0	0.0	0.0	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	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO PRE					102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
	CALLISTO	4 SC		3.0 oz/a	POST B	209	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	409	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3	NO PRE					103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	ATRAZINE	4 L		64.0 oz/a	POST B	304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ANTHEM MAX	4.3 SC		2.75 oz/a	POST B	412	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
4	NO PRE					104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	IMPACT	2.8 SC		1.0 oz/a	POST B	205	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	307	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	408	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
5	NO PRE					105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SHIELDX	3.33 SC		1.0 oz/a	POST B	208	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	306	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	402	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
6	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	106	0.0	90.0	99.0	99.0	0.0	95.0	99.0	99.0	0.0
	NO POST					201	0.0	95.0	99.0	99.0	0.0	85.0	99.0	99.0	0.0
						302	0.0	99.0	99.0	99.0	5.0	99.0	99.0	99.0	0.0
						406	0.0	95.0	99.0	90.0	0.0	90.0	99.0	95.0	0.0
						Mean =	0.0	94.8	99.0	96.8	1.3	92.3	99.0	98.0	0.0
7	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	107	0.0	99.0	99.0	95.0	0.0	95.0	99.0	99.0	0.0
	CALLISTO	4 SC		3.0 oz/a	POST B	206	0.0	99.0	99.0	99.0	0.0	90.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	312	0.0	95.0	99.0	95.0	10.0	90.0	99.0	95.0	10.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	407	0.0	99.0	99.0	95.0	0.0	85.0	99.0	99.0	0.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	98.0	99.0	96.0	2.5	90.0	99.0	98.0	2.5	
8	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	108	0.0	90.0	99.0	90.0	5.0	90.0	99.0	95.0	5.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	212	0.0	95.0	99.0	99.0	0.0	90.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	305	0.0	99.0	99.0	99.0	0.0	90.0	99.0	90.0	0.0
	ANTHEM MAX	4.3 SC		2.75 oz/a	POST B	403	0.0	95.0	99.0	95.0	0.0	95.0	99.0	99.0	0.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	94.8	99.0	95.8	1.3	91.3	99.0	95.8	1.3	
9	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	109	0.0	99.0	99.0	99.0	0.0	90.0	99.0	99.0	5.0
	IMPACT	2.8 SC		1.0 oz/a	POST B	207	0.0	95.0	99.0	99.0	0.0	75.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	POST B	311	0.0	99.0	99.0	99.0	0.0	95.0	99.0	99.0	5.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	410	0.0	95.0	99.0	95.0	5.0		99.0	99.0	0.0
	AGRIDEX			1.0 % v/v	POST B										
					Mean =	0.0	97.0	99.0	98.0	1.3	86.7	99.0	99.0	2.5	



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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Zeama	Rapra	Amapa	Agrass	Zeama	Rapra	Amapa	Agrass	Zeama	
Crop Code							Stunting	Control	Control	Control	Stunting	Control	Control	Control	Control	Stunting
Rating Data Type							%	%	%	%	%	%	%	%	%	%
Rating Unit																
Rating Date							Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	May-12-23
Trt-Eval Interval							14 DA-A	14 DA-A	14 DA-A	14 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	37 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	1	2	3	4	5	6	7	8	9	
10	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE	A 110	10.0	99.0	99.0	99.0	10.0	95.0	99.0	99.0	10.0	
	SHIELDDEX	3.33 SC		1.0 oz/a	POST	B 203	0.0	99.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	
	ATRAZINE	4 L		64.0 oz/a	POST	B 301	0.0	99.0	99.0	99.0	0.0	95.0	99.0	95.0	0.0	
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B 405	0.0	99.0	99.0	95.0	0.0	95.0	99.0	95.0	0.0	
	AGRIDEX			1.0 % v/v	POST	B										
	Mean =						2.5	99.0	99.0	98.0	2.5	96.0	99.0	97.0	2.5	
11	NO PRE					111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	REVULIN Q	51.2 DG		3.5 oz/a	POST	B 204	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	ATRAZINE	4 L		64.0 oz/a	POST	B 308	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B 401	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	
	AGRIDEX			1.0 % v/v	POST	B										
	Mean =						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	
12	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE	A 112	0.0	95.0	99.0	99.0	10.0	90.0	99.0	99.0	10.0	
	REVULIN Q	51.2 DG		3.5 oz/a	POST	B 210	0.0	99.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	
	ATRAZINE	4 L		64.0 oz/a	POST	B 303	0.0	95.0	99.0	99.0	5.0	95.0	99.0	99.0	10.0	
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST	B 411	0.0	99.0	99.0	99.0	0.0	95.0	99.0	99.0	5.0	
	AGRIDEX			1.0 % v/v	POST	B										
	Mean =						0.0	97.0	99.0	99.0	3.8	94.8	99.0	99.0	6.3	

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX																
Trial ID:		CN-13-23		Study Dir.:		BLAIR COLVIN										
Location:		PONDER FARM		Investigator:		Eric P. Prostko										
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Zeama Necrosis %	Rapra Control %	Amapa Control %	Agrass Control %	Zeama Stunting %	Amapa Control %	Agrass Control %	Amapa Control %	Dedto Control %		
						May-12-23 37 DA-A	May-12-23 37 DA-A	May-12-23 37 DA-A	May-12-23 37 DA-A	May-30-23 55 DA-A	May-30-23 55 DA-A	May-30-23 55 DA-A	Aug-15-23 132 DA-A	Aug-15-23 132 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	10	11	12	13	14	15	16	17	18
1	NO PRE						101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
	NO POST						211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.0
							309	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0
							404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.0
							Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.8
2	NO PRE						102	10.0	99.0	99.0	65.0	10.0	99.0	60.0	95.0	85.0
	CALLISTO	4 SC		3.0 oz/a		POST B	209	15.0	99.0	99.0	60.0	5.0	99.0	60.0	99.0	60.0
	ATRAZINE	4 L		64.0 oz/a		POST B	310	15.0	99.0	99.0	60.0	5.0	99.0	50.0	99.0	85.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a		POST B	409	10.0	99.0	99.0	45.0	0.0	99.0	50.0	99.0	85.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	12.5	99.0	99.0	57.5	5.0	99.0	55.0	98.0	78.8
3	NO PRE						103	10.0	99.0	99.0	65.0	10.0	99.0	65.0	99.0	85.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	202	15.0	99.0	99.0	65.0	10.0	99.0	65.0	99.0	85.0
	ATRAZINE	4 L		64.0 oz/a		POST B	304	10.0	99.0	99.0	75.0	0.0	99.0	60.0	99.0	75.0
	ANTHEM MAX	4.3 SC		2.75 oz/a		POST B	412	10.0	99.0	99.0	65.0	5.0	99.0	60.0	99.0	95.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	11.3	99.0	99.0	67.5	6.3	99.0	62.5	99.0	85.0
4	NO PRE						104	10.0	99.0	99.0	50.0	10.0	99.0	50.0	99.0	99.0
	IMPACT	2.8 SC		1.0 oz/a		POST B	205	10.0	99.0	99.0	60.0	10.0	99.0	65.0	99.0	95.0
	ATRAZINE	4 L		64.0 oz/a		POST B	307	15.0	99.0	99.0	50.0	0.0	95.0	40.0	99.0	95.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a		POST B	408	10.0	99.0	99.0	40.0	0.0	96.0	30.0	99.0	90.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	11.3	99.0	99.0	50.0	5.0	97.3	46.3	99.0	94.8
5	NO PRE						105	10.0	99.0	99.0	95.0	0.0	99.0	95.0	99.0	99.0
	SHIELDX	3.33 SC		1.0 oz/a		POST B	208	15.0	99.0	99.0	65.0	5.0	99.0	60.0	99.0	95.0
	ATRAZINE	4 L		64.0 oz/a		POST B	306	15.0	99.0	99.0	65.0	0.0	99.0	60.0	95.0	65.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a		POST B	402	15.0	99.0	99.0	60.0	5.0	99.0	50.0	99.0	85.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	13.8	99.0	99.0	71.3	2.5	99.0	66.3	98.0	86.0
6	ANTHEM MAXX	4.3 SC		2.75 oz/a		PRE A	106	0.0	95.0	99.0	85.0	0.0	99.0	65.0	99.0	0.0
	NO POST						201	0.0	90.0	99.0	85.0	0.0	99.0	65.0	99.0	0.0
							302	0.0	90.0	99.0	65.0	5.0	90.0	40.0	99.0	0.0
							406	0.0	90.0	99.0	75.0	0.0	99.0	65.0	99.0	30.0
							Mean =	0.0	91.3	99.0	77.5	1.3	96.8	58.8	99.0	7.5
7	ANTHEM MAXX	4.3 SC		2.75 oz/a		PRE A	107	10.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	50.0
	CALLISTO	4 SC		3.0 oz/a		POST B	206	15.0	99.0	99.0	99.0	10.0	99.0	90.0	99.0	60.0
	ATRAZINE	4 L		64.0 oz/a		POST B	312	10.0	99.0	99.0	90.0	10.0	99.0	95.0	99.0	65.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a		POST B	407	15.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	50.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	12.5	99.0	99.0	96.8	5.0	99.0	93.8	99.0	56.3
8	ANTHEM MAXX	4.3 SC		2.75 oz/a		PRE A	108	15.0	99.0	99.0	99.0	5.0	99.0	95.0	99.0	60.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	212	10.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	50.0
	ATRAZINE	4 L		64.0 oz/a		POST B	305	10.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	60.0
	ANTHEM MAX	4.3 SC		2.75 oz/a		POST B	403	10.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	50.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	11.3	99.0	99.0	99.0	1.3	99.0	95.0	99.0	55.0
9	ANTHEM MAXX	4.3 SC		2.75 oz/a		PRE A	109	15.0	99.0	99.0	95.0	5.0	99.0	95.0	99.0	75.0
	IMPACT	2.8 SC		1.0 oz/a		POST B	207	15.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	50.0
	ATRAZINE	4 L		64.0 oz/a		POST B	311	15.0	99.0	99.0	99.0	10.0	99.0	95.0	99.0	50.0
	ANTHEM MAXX	4.3 SC		2.75 oz/a		POST B	410	15.0	99.0	99.0	99.0	5.0	99.0	95.0	99.0	50.0
	AGRIDEX			1.0 % v/v		POST B	Mean =	15.0	99.0	99.0	98.0	5.0	99.0	95.0	99.0	56.3

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Zeama	Rapra	Amapa	Agrass	Zeama	Amapa	Agrass	Amapa	Dedto
Crop Code							Necrosis	Control	Control	Control	Stunting	Control	Control	Control	Control
Rating Data Type							%	%	%	%	%	%	%	%	%
Rating Unit							May-12-23	May-12-23	May-12-23	May-12-23	May-30-23	May-30-23	May-30-23	Aug-15-23	Aug-15-23
Rating Date							37 DA-A	37 DA-A	37 DA-A	37 DA-A	55 DA-A	55 DA-A	55 DA-A	132 DA-A	132 DA-A
Tri-Eval Interval															
Tri	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	10	11	12	13	14	15	16	17	18
10	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A 110	15.0	99.0	99.0	99.0	10.0	99.0	95.0	99.0	60.0
	SHIELDDEX	3.33	SC	1.0 oz/a	POST	B 203	20.0	99.0	99.0	99.0	10.0	99.0	95.0	99.0	65.0
	ATRAZINE	4	L	64.0 oz/a	POST	B 301	20.0	99.0	99.0	99.0	5.0	99.0	95.0	99.0	50.0
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B 405	20.0	99.0	99.0	99.0	0.0	99.0	95.0	99.0	60.0
	AGRIDEX			1.0 % v/v	POST	B									
						Mean =	18.8	99.0	99.0	99.0	6.3	99.0	95.0	99.0	58.8
11	NO PRE					111	10.0	99.0	99.0	65.0	10.0	99.0	75.0	99.0	65.0
	REVULIN Q	51.2	DG	3.5 oz/a	POST	B 204	10.0	99.0	99.0	60.0	10.0	99.0	65.0	99.0	85.0
	ATRAZINE	4	L	64.0 oz/a	POST	B 308	10.0	99.0	99.0	50.0	0.0	99.0	60.0	99.0	70.0
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B 401	10.0	99.0	99.0	99.0	5.0	99.0	50.0	99.0	85.0
	AGRIDEX			1.0 % v/v	POST	B									
						Mean =	10.0	99.0	99.0	68.5	6.3	99.0	62.5	99.0	76.3
12	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A 112	10.0	99.0	99.0	99.0	10.0	99.0	95.0	99.0	75.0
	REVULIN Q	51.2	DG	3.5 oz/a	POST	B 210	10.0	99.0	99.0	99.0	0.0	99.0	95.0	95.0	60.0
	ATRAZINE	4	L	64.0 oz/a	POST	B 303	15.0	99.0	99.0	99.0	5.0	99.0	95.0	99.0	50.0
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B 411	10.0	99.0	99.0	99.0	5.0	99.0	95.0	99.0	60.0
	AGRIDEX			1.0 % v/v	POST	B									
						Mean =	11.3	99.0	99.0	99.0	5.0	99.0	95.0	98.0	61.3

# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES AND ANTHEM MAXX  
 Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Agrass	TOTAL WEED	-----	-----	
Crop Code						Control	Cover	ZEAMA	ZEAMA	
Rating Data Type						%	%	YIELD	YIELD	
Rating Unit						Aug-15-23	Aug-15-23	LBS/PLOT	BU/A	
Rating Date						132 DA-A	132 DA-A	Sep-7-23	Sep-7-23	
Trt-Eval Interval						132 DA-A	132 DA-A	155 DA-A	155 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	19	20	21	22
1	NO PRE					101	0.0	95.0	33.0	173
	NO POST					211	0.0	100.0	31.0	162
						309	0.0	85.0	36.0	189
						404	0.0	100.0	40.0	210
						Mean =	0.0	95.0	35.0	183
2	NO PRE					102	0.0	95.0	36.0	189
	CALLISTO	4 SC		3.0 oz/a	POST B	209	20.0	65.0	44.0	231
	ATRAZINE	4 L		64.0 oz/a	POST B	310	0.0	95.0	49.0	257
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	409	0.0	95.0	49.0	257
	AGRIDEX			1.0 % v/v	POST B	Mean =	5.0	87.5	44.5	233
3	NO PRE					103	0.0	100.0	39.0	204
	LAUDIS	3.5 SC		3.0 oz/a	POST B	202	0.0	95.0	36.0	189
	ATRAZINE	4 L		64.0 oz/a	POST B	304	0.0	75.0	51.0	267
	ANTHEM MAX	4.3 SC		2.75 oz/a	POST B	412	30.0	80.0	43.0	225
	AGRIDEX			1.0 % v/v	POST B	Mean =	7.5	87.5	42.3	221
4	NO PRE					104	0.0	100.0	39.0	204
	IMPACT	2.8 SC		1.0 oz/a	POST B	205	0.0	85.0	41.0	215
	ATRAZINE	4 L		64.0 oz/a	POST B	307	0.0	100.0	50.0	262
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	408	0.0	95.0	44.0	231
	AGRIDEX			1.0 % v/v	POST B	Mean =	0.0	95.0	43.5	228
5	NO PRE					105	0.0	90.0	38.0	199
	SHIELDX	3.33 SC		1.0 oz/a	POST B	208	0.0	100.0	41.0	215
	ATRAZINE	4 L		64.0 oz/a	POST B	306	0.0	85.0	48.0	252
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	402	0.0	95.0	42.0	220
	AGRIDEX			1.0 % v/v	POST B	Mean =	0.0	92.5	42.3	221
6	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	106	65.0	100.0	42.0	220
	NO POST					201	30.0	85.0	42.0	220
						302	60.0	100.0	46.0	241
						406	30.0	75.0	48.0	252
						Mean =	46.3	90.0	44.5	233
7	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	107	50.0	65.0	39.0	204
	CALLISTO	4 SC		3.0 oz/a	POST B	206	85.0	50.0	41.0	215
	ATRAZINE	4 L		64.0 oz/a	POST B	312	65.0	65.0	41.0	215
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	407	65.0	60.0	48.0	252
	AGRIDEX			1.0 % v/v	POST B	Mean =	66.3	60.0	42.3	221
8	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	108	40.0	60.0	41.0	215
	LAUDIS	3.5 SC		3.0 oz/a	POST B	212	50.0	65.0	43.0	225
	ATRAZINE	4 L		64.0 oz/a	POST B	305	95.0	40.0	49.0	257
	ANTHEM MAX	4.3 SC		2.75 oz/a	POST B	403	65.0	55.0	45.0	236
	AGRIDEX			1.0 % v/v	POST B	Mean =	62.5	55.0	44.5	233
9	ANTHEM MAXX	4.3 SC		2.75 oz/a	PRE A	109	50.0	60.0	39.0	204
	IMPACT	2.8 SC		1.0 oz/a	POST B	207	75.0	60.0	42.0	220
	ATRAZINE	4 L		64.0 oz/a	POST B	311	85.0	50.0	42.0	220
	ANTHEM MAXX	4.3 SC		2.75 oz/a	POST B	410	85.0	50.0	50.0	262
	AGRIDEX			1.0 % v/v	POST B	Mean =	73.8	55.0	43.3	227

# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES  
AND ANTHEM MAXX

Trial ID: CN-13-23      Study Dir.: BLAIR COLVIN  
Location: PONDER FARM      Investigator: Eric P. Prostko

							Agrass	TOTAL	-----	-----	
							Control	WEED	ZEAMA	ZEAMA	
							%	Cover	YIELD	YIELD	
							Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23	
							132 DA-A	132 DA-A	155 DA-A	155 DA-A	
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot				
10	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	110	75.0	60.0	41.0	215
	SHIELDDEX	3.33	SC	1.0 oz/a	POST	B	203	40.0	60.0	38.0	199
	ATRAZINE	4	L	64.0 oz/a	POST	B	301	85.0	45.0	45.0	236
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B	405	85.0	50.0	50.0	262
	AGRIDEX			1.0 % v/v	POST	B					
							Mean =	71.3	53.8	43.5	228
11	NO PRE						111	0.0	85.0	41.0	215
	REVULIN Q	51.2	DG	3.5 oz/a	POST	B	204	0.0	95.0	42.0	220
	ATRAZINE	4	L	64.0 oz/a	POST	B	308	20.0	85.0	47.0	246
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B	401	0.0	95.0	43.0	225
	AGRIDEX			1.0 % v/v	POST	B					
							Mean =	5.0	90.0	43.3	227
12	ANTHEM MAXX	4.3	SC	2.75 oz/a	PRE	A	112	75.0	45.0	39.0	204
	REVULIN Q	51.2	DG	3.5 oz/a	POST	B	210	85.0	40.0	46.0	241
	ATRAZINE	4	L	64.0 oz/a	POST	B	303	90.0	50.0	46.0	241
	ANTHEM MAXX	4.3	SC	2.75 oz/a	POST	B	411	85.0	45.0	46.0	241
	AGRIDEX			1.0 % v/v	POST	B					
							Mean =	83.8	45.0	44.3	232

# University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES  
AND ANTHEM MAXX  
Trial ID: CN-13-23 Study Dir.: BLAIR COLVIN  
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit  
% = PERCENT  
ARM Action Codes  
TY1 = 5.24094675\*[21]