

University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS
 Trial ID: CN-08-19 Study Dir.:
 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 Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	9 DAP (V1) NTC								- -	101	212	306	407
2	9 DAP (V1) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 SL 4 L 3.8 SC		32.0 oz/a 64.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 49.99 mL/mx 25.0 mL/mx	- 1400.0 mL	102	203	305	404
3	9 DAP (V1) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 SL 5 SL 3.8 SC		32.0 oz/a 6.4 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 4.999 mL/mx 25.0 mL/mx	- 1445.0 mL	103	206	310	401
4	9 DAP (V1) ROUNDUP W-MAX STATUS PROWL H20	5.5 SL 61.1 WG 3.8 SC		32.0 oz/a 5.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 3.745 g/mx 25.0 mL/mx	- 1446.3 mL	104	208	312	408
5	21 DAP (V4) NTC								- -	105	209	308	406
6	21 DAP (V4) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 SL 4 L 3.8 SC		32.0 oz/a 64.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 49.99 mL/mx 25.0 mL/mx	- 1400.0 mL	106	202	301	412
7	21 DAP (V4) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 SL 5 SL 3.8 SC		32.0 oz/a 6.4 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 4.999 mL/mx 25.0 mL/mx	- 1445.0 mL	107	204	303	409
8	21 DAP (V4) ROUNDUP W-MAX STATUS PROWL H20	5.5 SL 61.1 WG 3.8 SC		32.0 oz/a 5.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 3.745 g/mx 25.0 mL/mx	- 1446.3 mL	108	205	311	405
9	29 DAP (V6) NTC								- -	109	210	302	403
10	29 DAP (V6) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 SL 4 L 3.8 SC		32.0 oz/a 64.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 49.99 mL/mx 25.0 mL/mx	- 1400.0 mL	110	211	309	411
11	29 DAP (V6) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 SL 5 SL 3.8 SC		32.0 oz/a 6.4 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 4.999 mL/mx 25.0 mL/mx	- 1445.0 mL	111	207	304	410
12	29 DAP (V6) ROUNDUP W-MAX STATUS PROWL H20	5.5 SL 61.1 WG 3.8 SC		32.0 oz/a 5.0 oz/a 32.0 oz/a		POST A POST A POST A		25.0 mL/mx 3.745 g/mx 25.0 mL/mx	- 1446.3 mL	112	201	307	402

Sort Order: Treatment

Trial Comments

STATUS = DICAMBA-NA (44.0%) + DIFLUFENZOPYR (17.1%)

HARVEST MOISTURE: 15.8%
 YIELD ADJUSTED TO 15.5% MOISTURE

SUMMARY:

1) GENERALLY, DICAMBA TREATMENTS CAUSED TEMPORARY CORN INJURY IN THE FORM OF WHOLE PLANT STUNTING AND STALK LEAN. ENGENIA WAS MORE INJURIOUS THAN STATUS.

2) WEED CONTROL WAS EXCELLENT WITH ALL TREATMENTS (>90%) AND TIMING DID NOT SEEM TO INFLUENCE

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CONTROL.

3) FOR CORN YIELD, THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND TREATMENT ($P=0.7305$). TIME OF APPLICATION HAD NO EFFECT ON YIELD ($P=0.1438$). ALL TREATMENTS RESULTED IN HIGHER YIELDS THAN THE NTC BUT YIELDS AMONG TREATED PLOTS WERE NOT DIFFERENT FROM EACH OTHER.

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WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS

Trial ID: CN-08-19 Study Dir.: _____
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

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

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

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

Objective: _____
Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1: RAPRA WILD RADISH **2.** AMAPA PALMER AMARANTH
Weed 3: IPOSP ANNUAL MG **4.** PANTE TEXAS PANICUM

Crop 1: ZEAMA FIELD CORN **Variety:** DKC 62-08 **Planting Date:** Apr-1-19
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR
Trial Initiation Comments: 800 LBS/A 5-15-30 PPLNT;

Previous: Crops **Pesticides** **Year**
 1. PEANUT 2018 _____

MAINTENANCE

Field Prep./Maintenance: _____
 Form Form Form Rate
No. Date Treatment Name Conc Unit Type Rate Unit
 1. _____

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.77 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6.1 **CEC:** 2.6 **Soil Name:** TIFTON **Fertility Level:** _____

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-4-19		0.25	IN	SPRINKLER - LATERAL MOVE		
2. Apr-4-19		0.02	IN	RAIN		
3. Apr-5-19		0.02	IN	RAIN		
4. Apr-6-19		0.21	IN	RAIN		
5. Apr-9-19		0.17	IN	RAIN		
6. Apr-11-19		0.50	IN	SPRINKLER - LATERAL MOVE		
7. Apr-14-19		0.83	IN	RAINFALL		
8. Apr-19-19		1.43	IN	RAINFALL		
9. Apr-25-19		0.5	IN	SPRINKLER - LATERAL MOVE		
10. Apr-25-19		0.05	IN	RAINFALL		
11. Apr-26-19		0.03	IN	RAINFALL		
12. Apr-29-19		0.5	IN	SPRINKLER - LATERAL MOVE		
13. May-6-19		0.75	IN	SPRINKLER - LATERAL MOVE		
14. May-9-19		0.195	IN	RAINFALL		

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

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Trial ID: CN-08-19 Study Dir.:
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APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	Apr-10-19	Apr-22-19	Apr-30-19			
Time of Day:	7:55 AM	8:15 AM	7:45 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	9 DAP	21 DAP	29 DAP			
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE			
Air Temp., Unit:	62 F	53 F	61 F			
% Relative Humidity:	96	87	95			
Wind Velocity, Unit:	2 MPH	0 MPH	0 MPH			
Dew Presence (Y/N):	Y	Y	Y			
Water Hardness:						
Soil Temp., Unit:	66 F	59 F	68 F			
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM			
% Cloud Cover:	5	0	0			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ZEAMA					
Stage Scale:	V1;2 LF	V4: 7"	V6: 12"			
Height, Unit:	2 IN					

WEED STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Weed 1 Stage:	RAPRA 0.5" TALL	2" TALL	2-4"			
Stage Scale:	COTYLEDON 2-4 LF					
Density, Unit:						
Weed 2 Stage:	AMAPA 0.25" TAL	1-2"	1-8"			
Stage Scale:	COTYLEDON					
Density, Unit:						
Weed 3 Stage:	IPOSP 0.5" TALL	1-2"	1-2"			
Stage Scale:	COTYLEDON					
Density, Unit:						
Weed 4 Stage:	PANTE 0.25" TAL	1-2"	1-2"			
Stage Scale:	1 LF					
Density, Unit:						

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME	SAME			
Operating Pressure:	38					
Nozzle Type:	AIXR					
Nozzle Size:	11002					
Nozzle Spacing, Unit:	20	IN				
Nozzles/Row:						
Band Width, Unit:						
Boom Length, Unit:	60	IN				
Boom Height, Unit:	20	IN				
Ground Speed, Unit:	3.5	MPH				
Incorporation Equip.:						
Hours to Incorp.:						
Incorp. Depth, Unit:						
Carrier:	WATER					
Spray Volume, Unit:	15	GPA				
Spray pH:						
Propellant:	CO2					
Tank Mix (Y/N):	-	-	-	-	-	-

Trt No	Treatment Application Comment

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Weed Code	----- Zeama	Amapa	Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code							
Part Rated							
Rating Data Type	Injury	Control	Control	Control	Stunt	Lean	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	Apr-19-19	Apr-19-19	Apr-19-19	Apr-19-19	Apr-26-19	Apr-26-19	Apr-26-19
Trt-Eval Interval	9 DA-A	9 DA-A	9 DA-A	16 DA-A	16 DA-A	16 DA-A	16 DA-A
PRM Data Type							
# Subsamples, Dec.							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code
2	21 DAP (V4)						
3	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST	A	
3	ENGENIA	5	SL	6.4 oz/a	POST	A	
3	PROWL H20	3.8	SC	32.0 oz/a	POST	A	
3	29 DAP (V6)						
3	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST	A	
3	ENGENIA	5	SL	6.4 oz/a	POST	A	
3	PROWL H20	3.8	SC	32.0 oz/a	POST	A	
1	9 DAP (V1)						
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST	A	
4	STATUS	61.1	WG	5.0 oz/a	POST	A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST	A	
2	21 DAP (V4)						
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST	A	
4	STATUS	61.1	WG	5.0 oz/a	POST	A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST	A	
3	29 DAP (V6)						
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST	A	
4	STATUS	61.1	WG	5.0 oz/a	POST	A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST	A	
LSD	P=.10	1.67					
Standard Deviation		1.36	0.00	0.00	0.00	2.15	4.67
CV		326.60	0.00	0.00	0.00	103.28	52.75

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-08-19		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	Agrass	Rapra	Zeama	Amapa	Rapra	Agrass	Zeama
Crop Code							
Part Rated							
Rating Data Type	Control Percent	Control Percent	Stunting Percent	Control Percent	Control Percent	Control Percent	Stunting Percent
Rating Unit	Apr-26-19	Apr-26-19	May-10-19	May-10-19	May-10-19	May-10-19	May-20-19
Rating Date							
Trt-Eval Interval	16 DA-A	16 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	40 DA-A
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code		
						8	9
						10	11
						12	13
						14	
TABLE OF R MEANS							
Replicate 1			2.1	69.5	74.3	74.3	1.7
Replicate 2			2.9	71.2	74.3	74.3	2.5
Replicate 3			0.8	69.1	73.9	74.3	0.4
Replicate 4			0.8	70.3	71.6	73.9	2.5
TABLE OF A (TIME) MEANS							
1 9 DAP (V1)			1.3 -	74.3 a	72.0 -	74.0 -	0.6 b
2 21 DAP (V4)			0.9 -	74.3 a	74.3 -	74.3 -	1.6 ab
3 29 DAP (V6)			2.8 -	61.6 b	74.3 -	74.3 -	3.1 a
LSD P=.10			1.92	2.20	3.06	0.40	1.59
Standard Deviation			2.80	3.20	4.46	0.58	2.32
CV			167.71	4.57	6.07	0.78	131.01
TABLE OF B (TREATMENT) MEANS							
1 NTC			0.0 c	0.0 c	0.0 b	0.0 b	0.0 b
2 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
2 ATRAZINE	4 L		64.0 oz/a	POST A			
2 PROWL H20	3.8 SC		32.0 oz/a	POST A			
3 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
3 ENGENIA	5 SL		6.4 oz/a	POST A			
3 PROWL H20	3.8 SC		32.0 oz/a	POST A			
4 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
4 STATUS	61.1 WG		5.0 oz/a	POST A			
4 PROWL H20	3.8 SC		32.0 oz/a	POST A			
LSD P=.10			1.76	2.50	1.65	0.43	2.45
Standard Deviation			2.36	3.34	2.20	0.58	3.27
CV			141.42	4.77	3.00	0.78	184.77
TABLE OF A (TIME) B (TREATMENT) MEANS							
1 9 DAP (V1)			0.0 b	0.0 b	0.0 -	0.0 d	0.0 -
1 NTC							
2 21 DAP (V4)			0.0 b	0.0 b	0.0 -	0.0 d	0.0 -
1 NTC							
3 29 DAP (V6)			0.0 b	0.0 b	0.0 -	0.0 d	0.0 -
1 NTC							
1 9 DAP (V1)			99.0 a	99.0 a	1.3 -	99.0 a	95.5 -
2 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
2 ATRAZINE	4 L		64.0 oz/a	POST A			
2 PROWL H20	3.8 SC		32.0 oz/a	POST A			
2 21 DAP (V4)			0.0 -	99.0 a	99.0 -	99.0 -	1.3 -
2 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
2 ATRAZINE	4 L		64.0 oz/a	POST A			
2 PROWL H20	3.8 SC		32.0 oz/a	POST A			
3 29 DAP (V6)			0.0 b	0.0 b	0.0 -	87.5 b	99.0 -
2 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
2 ATRAZINE	4 L		64.0 oz/a	POST A			
2 PROWL H20	3.8 SC		32.0 oz/a	POST A			
1 9 DAP (V1)			99.0 a	99.0 a	2.5 -	99.0 a	97.0 -
3 ROUNDUP W-MAX	5.5 SL		32.0 oz/a	POST A			
3 ENGENIA	5 SL		6.4 oz/a	POST A			
3 PROWL H20	3.8 SC		32.0 oz/a	POST 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.

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Trial ID: CN-08-19		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	Agrass	Rapra	Zeama	Amapa	Rapra	Agrass	Zeama
	Control Percent Apr-26-19	Control Percent Apr-26-19	Stunting Percent May-10-19	Control Percent May-10-19	Control Percent May-10-19	Control Percent May-10-19	Stunting Percent May-20-19
	16 DA-A	16 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	40 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	
	8	9	10	11	12	13	14
2 21 DAP (V4) 3 ROUNDUP W-MAX 3 ENGENIA 3 PROWL H20	5.5 SL 5 SL 3.8 SC	32.0 oz/a 6.4 oz/a 32.0 oz/a	POST A POST A POST A			 2.5 - 99.0 a 99.0 - 99.0 - 3.8 -
3 29 DAP (V6) 3 ROUNDUP W-MAX 3 ENGENIA 3 PROWL H20	5.5 SL 5 SL 3.8 SC	32.0 oz/a 6.4 oz/a 32.0 oz/a	POST A POST A POST A				0.0 b 0.0 b 7.5 - 80.0 c 99.0 - 99.0 - 99.0 - 8.8 -
1 9 DAP (V1) 4 ROUNDUP W-MAX 4 STATUS 4 PROWL H20	5.5 SL 61.1 WG 3.8 SC	32.0 oz/a 5.0 oz/a 32.0 oz/a	POST A POST A POST A				99.0 a 99.0 a 1.3 - 99.0 a 95.5 - 99.0 - 99.0 - 0.0 -
2 21 DAP (V4) 4 ROUNDUP W-MAX 4 STATUS 4 PROWL H20	5.5 SL 61.1 WG 3.8 SC	32.0 oz/a 5.0 oz/a 32.0 oz/a	POST A POST A POST A			 1.3 - 99.0 a 99.0 - 99.0 - 99.0 - 1.3 -
3 29 DAP (V6) 4 ROUNDUP W-MAX 4 STATUS 4 PROWL H20	5.5 SL 61.1 WG 3.8 SC	32.0 oz/a 5.0 oz/a 32.0 oz/a	POST A POST A POST A				0.0 b 0.0 b 3.8 - 78.8 c 99.0 - 99.0 - 99.0 - 2.5 -
LSD P=.10				3.11	4.10	2.70	0.71
Standard Deviation	0.00	0.00	2.53	3.34	2.20	0.58	2.11
CV	0.00	0.00	152.07	4.77	3.00	0.78	119.21

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Trial ID: CN-08-19		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator:					
Weed Code	Amapa	Rapra	Agrass	Zeama Stalk - Abnormal 1-2	Amapa	Agrass	----- ZEAMA PLOT - YIELD LBS
Crop Code	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	Aug-29-19
Part Rated	May-20-19	May-20-19	May-20-19	May-20-19	Jun-14-19	Jun-14-19	
Rating Data Type							
Rating Unit							
Rating Date							
Trt-Eval Interval	40 DA-A	40 DA-A	40 DA-A	40 DA-A	65 DA-A	65 DA-A	141 DA-A
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	
	15	16	17	18	19	20	21
TABLE OF R MEANS							
Replicate 1	68.8	74.3	74.3	1.08	69.2	73.6	44.3
Replicate 2	72.5	74.3	73.9	1.13	72.0	72.6	46.1
Replicate 3	71.6	71.9	74.3	1.08	70.8	70.4	47.3
Replicate 4	73.5	68.4	72.5	1.17	71.6	71.2	48.1
TABLE OF A (TIME) MEANS							
1 9 DAP (V1)	72.7 a	69.3 -	72.9 -	1.00 b	71.9 -	71.3 -	47.8 -
2 21 DAP (V4)	74.3 a	74.3 -	74.0 -	1.09 b	72.8 -	72.0 -	46.1 -
3 29 DAP (V6)	67.8 b	73.1 -	74.3 -	1.25 a	68.0 -	72.5 -	45.5 -
LSD P=.10	4.72	4.52	1.45	0.095	5.22	1.50	1.93
Standard Deviation	6.87	6.57	2.11	0.138	7.60	2.19	2.81
CV	9.59	9.10	2.86	12.399	10.73	3.05	6.06
TABLE OF B (TREATMENT) MEANS							
1 NTC	0.0 c	0.0 b	0.0 b	1.00 b	0.0 b	0.0 b	42.7 b
2 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A	99.0 a	96.8 a	98.7 a	1.00 b
2 ATRAZINE	4 L	64.0 oz/a	POST A				94.7 a
2 PROWL H20	3.8 SC	32.0 oz/a	POST A				95.5 a
3 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A	94.1 b	95.9 a	98.0 a	1.38 a
3 ENGENIA	5 SL	6.4 oz/a	POST A				93.5 a
3 PROWL H20	3.8 SC	32.0 oz/a	POST A				95.6 a
4 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A	93.3 b	96.2 a	98.3 a	1.08 b
4 STATUS	61.1 WG	5.0 oz/a	POST A				95.4 a
4 PROWL H20	3.8 SC	32.0 oz/a	POST A				96.7 a
LSD P=.10	3.38	3.56	0.93	0.240	3.37	1.88	2.55
Standard Deviation	4.51	4.76	1.24	0.320	4.50	2.51	3.41
CV	6.31	6.59	1.68	28.715	6.35	3.49	7.33
TABLE OF A (TIME) B (TREATMENT) MEANS							
1 9 DAP (V1)	0.0 c	0.0 -	0.0 -	1.00 c	0.0 -	0.0 -	42.5 -
1 NTC							
2 21 DAP (V4)	0.0 c	0.0 -	0.0 -	1.00 c	0.0 -	0.0 -	44.3 -
1 NTC							
3 29 DAP (V6)	0.0 c	0.0 -	0.0 -	1.00 c	0.0 -	0.0 -	41.3 -
1 NTC							
1 9 DAP (V1)	99.0 a	93.3 -	98.0 -	1.00 c	97.0 -	94.5 -	50.0 -
2 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A				
2 ATRAZINE	4 L	64.0 oz/a	POST A				
2 PROWL H20	3.8 SC	32.0 oz/a	POST A				
2 21 DAP (V4)	99.0 a	99.0 -	99.0 -	1.00 c	97.0 -	96.0 -	46.3 -
2 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A				
2 ATRAZINE	4 L	64.0 oz/a	POST A				
2 PROWL H20	3.8 SC	32.0 oz/a	POST A				
3 29 DAP (V6)	99.0 a	98.0 -	99.0 -	1.00 c	90.0 -	96.0 -	48.8 -
2 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A				
2 ATRAZINE	4 L	64.0 oz/a	POST A				
2 PROWL H20	3.8 SC	32.0 oz/a	POST A				
1 9 DAP (V1)	97.0 a	93.3 -	97.0 -	1.00 c	96.0 -	94.8 -	48.5 -
3 ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A				
3 ENGENIA	5 SL	6.4 oz/a	POST A				
3 PROWL H20	3.8 SC	32.0 oz/a	POST 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 ENGENIA AND STATUS														
Trial ID: CN-08-19		Study Dir.: Eric P. Prostko												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Amapa	Rapra	Agrass	Zeama Stalk - Abnormal 1-2	Amapa	Agrass	----- ZEAMA PLOT - YIELD LBS Aug-29-19		
Trt-Eval Interval PRM Data Type # Subsamples, Dec.						40 DA-A	40 DA-A	40 DA-A	40 DA-A	65 DA-A	65 DA-A	141 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	15	16	17	18	19	20	21
2	21 DAP (V4)													
3	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	99.0 a	99.0 -	98.0 -	1.38 b	97.0 -	96.0 -	45.3 -
3	ENGENIA	5	SL	6.4	oz/a	POST	A							
3	PROWL H20	3.8	SC	32.0	oz/a	POST	A							
3	29 DAP (V6)													
3	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	86.3 b	95.5 -	99.0 -	1.75 a	87.5 -	96.0 -	45.5 -
3	ENGENIA	5	SL	6.4	oz/a	POST	A							
3	PROWL H20	3.8	SC	32.0	oz/a	POST	A							
1	9 DAP (V1)													
4	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	94.8 a	90.5 -	96.8 -	1.00 c	94.8 -	96.0 -	50.0 -
4	STATUS	61.1	WG	5.0	oz/a	POST	A							
4	PROWL H20	3.8	SC	32.0	oz/a	POST	A							
2	21 DAP (V4)													
4	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	99.0 a	99.0 -	99.0 -	1.00 c	97.0 -	96.0 -	48.8 -
4	STATUS	61.1	WG	5.0	oz/a	POST	A							
4	PROWL H20	3.8	SC	32.0	oz/a	POST	A							
3	29 DAP (V6)													
4	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	86.0 b	99.0 -	99.0 -	1.25 bc	94.5 -	98.0 -	46.5 -
4	STATUS	61.1	WG	5.0	oz/a	POST	A							
4	PROWL H20	3.8	SC	32.0	oz/a	POST	A							
LSD P=.10						5.41	6.95	1.71	0.302	5.69	2.86	4.83		
Standard Deviation						4.41	5.67	1.40	0.247	4.64	2.33	3.94		
CV						6.17	7.85	1.90	22.116	6.54	3.24	8.49		

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 ENGENIA AND STATUS			
Trial ID:	CN-08-19	Study Dir.:	Eric P. Prostko
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code	-----				ZEAMA			
Crop Code					PLOT -			
Part Rated					YIELD			
Rating Data Type					BU/A			
Rating Unit					Aug-29-19			
Rating Date					141 DA-A			
Trt-Eval Interval					TY1			
PRM Data Type					- 0			
# Subsamples, Dec.								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	
								22
TABLE OF R MEANS								
Replicate 1								229
Replicate 2								238
Replicate 3								245
Replicate 4								248
TABLE OF A (TIME) MEANS								
1 9 DAP (V1)								247 -
2 21 DAP (V4)								238 -
3 29 DAP (V6)								235 -
LSD P=.10								10.0
Standard Deviation								14.5
CV								6.1
TABLE OF B (TREATMENT) MEANS								
1 NTC								220 b
2 ROUNDUP W-MAX								250 a
2 ATRAZINE								
2 PROWL H20								
3 ROUNDUP W-MAX								240 a
3 ENGENIA								
3 PROWL H20								
4 ROUNDUP W-MAX								250 a
4 STATUS								
4 PROWL H20								
LSD P=.10								13.2
Standard Deviation								17.6
CV								7.3
TABLE OF A (TIME) B (TREATMENT) MEANS								
1 9 DAP (V1)								220 -
1 NTC								
2 21 DAP (V4)								229 -
1 NTC								
3 29 DAP (V6)								213 -
1 NTC								
1 9 DAP (V1)								258 -
2 ROUNDUP W-MAX								
2 ATRAZINE								
2 PROWL H20								239 -
2 21 DAP (V4)								
2 ROUNDUP W-MAX								
2 ATRAZINE								252 -
2 PROWL H20								
3 29 DAP (V6)								
2 ROUNDUP W-MAX								251 -
2 ATRAZINE								
2 PROWL H20								
1 9 DAP (V1)								251 -
3 ROUNDUP W-MAX								
3 ENGENIA								
3 PROWL H20								

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 ENGENIA AND STATUS						
Trial ID:	CN-08-19	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code	-----					
Crop Code	ZEAMA					
Part Rated	PLOT -					
Rating Data Type	YIELD					
Rating Unit	BU/A					
Rating Date	Aug-29-19					
Trt-Eval Interval	141 DA-A					
PRM Data Type	TY1					
# Subsamples, Dec.	- 0					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code
						22
2	21 DAP (V4)	234 -				
3	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST A	
3	ENGENIA	5	SL	6.4 oz/a	POST A	
3	PROWL H20	3.8	SC	32.0 oz/a	POST A	
3	29 DAP (V6)	235 -				
3	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST A	
3	ENGENIA	5	SL	6.4 oz/a	POST A	
3	PROWL H20	3.8	SC	32.0 oz/a	POST A	
1	9 DAP (V1)	258 -				
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST A	
4	STATUS	61.1	WG	5.0 oz/a	POST A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST A	
2	21 DAP (V4)	252 -				
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST A	
4	STATUS	61.1	WG	5.0 oz/a	POST A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST A	
3	29 DAP (V6)	240 -				
4	ROUNDUP W-MAX	5.5	SL	32.0 oz/a	POST A	
4	STATUS	61.1	WG	5.0 oz/a	POST A	
4	PROWL H20	3.8	SC	32.0 oz/a	POST A	
LSD	P=.10					25.0
Standard Deviation					20.4	
CV					8.5	

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 CONTROL IN FIELD CORN WITH ENGENIA AND STATUS							
Trial ID:	CN-08-19	Study Dir.:					
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For ----- Zeama Injury Percent Apr-19-19 9 DA-A (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	91.666667					
R	3	4.166667	1.388889	0.750	0.5365		
A	2	16.666667	8.333333	6.000	0.0370	0.8	
RA	6	8.333333	1.388889				
B	3	4.166667	1.388889	0.750	0.5493	1.0	
RB	9	16.666667	1.851852				
AB	6	8.333333	1.388889	0.750	0.6174	1.7	
RAB	18	33.333333	1.851852				
COMPLETE FACTORIAL AOV For Amapa Control Percent Apr-19-19 9 DA-A (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	88209.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	2	58806.000000	29403.000000	0.000	1.0000	.	
RA	6	0.000000	0.000000				
B	3	9801.000000	3267.000000	0.000	1.0000	.	
RB	9	0.000000	0.000000				
AB	6	19602.000000	3267.000000	0.000	1.0000	.	
RAB	18	0.000000	0.000000				
COMPLETE FACTORIAL AOV For Agrass Control Percent Apr-19-19 9 DA-A (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	88209.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	2	58806.000000	29403.000000	0.000	1.0000	.	
RA	6	0.000000	0.000000				
B	3	9801.000000	3267.000000	0.000	1.0000	.	
RB	9	0.000000	0.000000				
AB	6	19602.000000	3267.000000	0.000	1.0000	.	
RAB	18	0.000000	0.000000				
COMPLETE FACTORIAL AOV For Rapra Control Percent Apr-19-19 16 DA-A (Data Column 4) Missing values in column 4 results in unbalanced data, Least Squares Analysis is preferred							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	46	88209.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	2	58806.000000	29403.000000	0.000	1.0000	.	
RA	6	0.000000	0.000000				
B	3	9801.000000	3267.000000	0.000	1.0000	.	
RB	9	0.000000	0.000000				
AB	6	19602.000000	3267.000000	0.000	1.0000	.	
RAB	17	0.000000	0.000000				
COMPLETE FACTORIAL AOV For Zeama Stunt Percent Apr-26-19 16 DA-A (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	791.666667					
R	3	8.333333	2.777778	0.600	0.6233		
A	2	416.666667	208.333333	75.000	0.0001	1.1	
RA	6	16.666667	2.777778				
B	3	75.000000	25.000000	5.400	0.0211	1.6	
RB	9	41.666667	4.629630				
AB	6	150.000000	25.000000	5.400	0.0024	2.6	
RAB	18	83.333333	4.629630				
COMPLETE FACTORIAL AOV For Zeama Lean Percent Apr-26-19 16 DA-A (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	23211.979167					
R	3	134.895833	44.965278	2.061	0.1413		
A	2	7526.041667	3763.020833	83.687	0.0001	4.6	
RA	6	269.791667	44.965278				
B	3	4897.395833	1632.465278	74.825	0.0001	3.5	
RB	9	196.354167	21.817130				
AB	6	9794.791667	1632.465278	74.825	0.0001	5.7	
RAB	18	392.708333	21.817130				

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 ENGENIA AND STATUS						
Trial ID:	CN-08-19	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Amapa Control Percent Apr-26-19 16 DA-A (Data Column 7) Missing factor A2 B2 levels prevents analyzing column 7 as Factorial design; Missing factor A2 B3 levels prevents analyzing column 7 as Factorial design; Missing factor A2 B4 levels prevents analyzing column 7 as Factorial design						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	78408.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	8	78408.000000	9801.000000	0.000	1.0000	
ERROR	24	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Agrass Control Percent Apr-26-19 16 DA-A (Data Column 8) Missing factor A2 B2 levels prevents analyzing column 8 as Factorial design; Missing factor A2 B3 levels prevents analyzing column 8 as Factorial design; Missing factor A2 B4 levels prevents analyzing column 8 as Factorial design						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	78408.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	8	78408.000000	9801.000000	0.000	1.0000	
ERROR	24	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Rapra Control Percent Apr-26-19 16 DA-A (Data Column 9) Missing factor A2 B2 levels prevents analyzing column 9 as Factorial design; Missing factor A2 B3 levels prevents analyzing column 9 as Factorial design; Missing factor A2 B4 levels prevents analyzing column 9 as Factorial design; Missing values in column 9 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	34	78408.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	8	78408.000000	9801.000000	0.000	1.0000	
ERROR	23	0.000000	0.000000			
COMPLETE FACTORIAL AOV For Zeama Stunting Percent May-10-19 30 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	466.666667				
R	3	37.500000	12.500000	1.946	0.1584	
A	2	32.291667	16.145833	2.067	0.2076	1.9
RA	6	46.875000	7.812500			
B	3	129.166667	43.055556	7.750	0.0073	1.8
RB	9	50.000000	5.555556			
AB	6	55.208333	9.201389	1.432	0.2566	3.1
RAB	18	115.625000	6.423611			
COMPLETE FACTORIAL AOV For Amapa Control Percent May-10-19 30 DA-A (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	81308.979167				
R	3	30.729167	10.243056	0.917	0.4524	
A	2	1717.041667	858.520833	83.815	0.0001	2.2
RA	6	61.458333	10.243056			
B	3	78506.395833	26168.798611	2342.989	0.0001	2.5
RB	9	100.520833	11.168981			
AB	6	691.791667	115.298611	10.323	0.0001	4.1
RAB	18	201.041667	11.168981			
COMPLETE FACTORIAL AOV For Rapra Control Percent May-10-19 30 DA-A (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	86824.000000				
R	3	59.666667	19.888889	4.099	0.0221	
A	2	54.000000	27.000000	1.358	0.3263	3.1
RA	6	119.333333	19.888889			
B	3	86438.000000	28812.666667	5938.489	0.0001	1.6
RB	9	43.666667	4.851852			
AB	6	22.000000	3.666667	0.756	0.6134	2.7
RAB	18	87.333333	4.851852			
COMPLETE FACTORIAL AOV For Agrass Control Percent May-10-19 30 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	88026.666667				
R	3	1.000000	0.333333	1.000	0.4155	
A	2	0.666667	0.333333	1.000	0.4219	0.4
RA	6	2.000000	0.333333			
B	3	88012.000000	29337.333333	88012.009	0.0001	0.4
RB	9	3.000000	0.333333			
AB	6	2.000000	0.333333	1.000	0.4552	0.7
RAB	18	6.000000	0.333333			

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University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS							
Trial ID:	CN-08-19	Study Dir.:					
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Stunting Percent May-20-19 40 DA-A (Data Column 14)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	524.479167					
R	3	34.895833	11.631944	2.610	0.0831		
A	2	51.041667	25.520833	4.742	0.0582	1.6	
RA	6	32.291667	5.381944				
B	3	176.562500	58.854167	5.497	0.0201	2.4	
RB	9	96.354167	10.706019				
AB	6	53.125000	8.854167	1.987	0.1210	2.6	
RAB	18	80.208333	4.456019				
COMPLETE FACTORIAL AOV For Amapa Control Percent May-20-19 40 DA-A (Data Column 15)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	83913.666667					
R	3	150.500000	50.166667	2.574	0.0860		
A	2	360.791667	180.395833	3.826	0.0849	4.7	
RA	6	282.875000	47.145833				
B	3	82218.500000	27406.166667	1345.394	0.0001	3.4	
RB	9	183.333333	20.370370				
AB	6	366.875000	61.145833	3.138	0.0277	5.4	
RAB	18	350.791667	19.488426				
COMPLETE FACTORIAL AOV For Rapra Control Percent May-20-19 40 DA-A (Data Column 16)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	85079.916667					
R	3	273.583333	91.194444	2.836	0.0673		
A	2	220.166667	110.083333	2.549	0.1581	4.5	
RA	6	259.166667	43.194444				
B	3	83429.083333	27809.694444	1227.400	0.0001	3.6	
RB	9	203.916667	22.657407				
AB	6	115.166667	19.194444	0.597	0.7291	7.0	
RAB	18	578.833333	32.157407				
COMPLETE FACTORIAL AOV For Agrass Control Percent May-20-19 40 DA-A (Data Column 17)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	87103.479167					
R	3	25.062500	8.354167	4.271	0.0192		
A	2	15.541667	7.770833	1.751	0.2517	1.4	
RA	6	26.625000	4.437500				
B	3	86978.562500	28992.854167	18834.458	0.0001	0.9	
RB	9	13.854167	1.539352				
AB	6	8.625000	1.437500	0.735	0.6281	1.7	
RAB	18	35.208333	1.956019				
COMPLETE FACTORIAL AOV For Zeama Stalk Abnormal 1-2 May-20-19 40 DA-A (Data Column 18)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	4.619792					
R	3	0.057292	0.019097	0.314	0.8148		
A	2	0.510417	0.255208	13.364	0.0062	0.09	
RA	6	0.114583	0.019097				
B	3	1.140625	0.380208	3.712	0.0549	0.24	
RB	9	0.921875	0.102431				
AB	6	0.781250	0.130208	2.143	0.0982	0.30	
RAB	18	1.093750	0.060764				
COMPLETE FACTORIAL AOV For Amapa Control Percent Jun-14-19 65 DA-A (Data Column 19)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	81778.479167					
R	3	56.229167	18.743056	0.871	0.4742		
A	2	206.541667	103.270833	1.786	0.2463	5.2	
RA	6	346.958333	57.826389				
B	3	80441.895833	26813.965278	1323.390	0.0001	3.4	
RB	9	182.354167	20.261574				
AB	6	157.291667	26.215278	1.219	0.3421	5.7	
RAB	18	387.208333	21.511574				

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 ENGENIA AND STATUS

Trial ID: CN-08-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Agrass Control Percent Jun-14-19 65 DA-A (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	83086.812500				
R	3	72.395833	24.131944	4.446	0.0166	
A	2	11.375000	5.687500	1.185	0.3683	1.5
RA	6	28.791667	4.798611			
B	3	82810.229167	27603.409722	4369.613	0.0001	1.9
RB	9	56.854167	6.317130			
AB	6	9.458333	1.576389	0.290	0.9338	2.9
RAB	18	97.708333	5.428241			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD LBS Aug-29-19 141 DA-A (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	887.916667				
R	3	96.750000	32.250000	2.074	0.1394	
A	2	43.166667	21.583333	2.726	0.1438	1.9
RA	6	47.500000	7.916667			
B	3	260.750000	86.916667	7.492	0.0081	2.5
RB	9	104.416667	11.601852			
AB	6	55.500000	9.250000	0.595	0.7305	4.8
RAB	18	279.833333	15.546296			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD BU/A Aug-29-19 141 DA-A TY1 0 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	23708.290112				
R	3	2583.324713	861.108238	2.074	0.1394	
A	2	1152.594489	576.297244	2.726	0.1438	10
RA	6	1268.298955	211.383159			
B	3	6962.293736	2320.764579	7.492	0.0081	13
RB	9	2788.032615	309.781402			
AB	6	1481.907200	246.984533	0.595	0.7305	25
RAB	18	7471.838404	415.102134			

Weed Code
 Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
 Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.
PRM Data Type
 TY1 = 5.167304*[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.

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WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS

Trial ID: CN-08-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Agrass	Rapra	Zeama	Amapa	Rapra	Agrass
Crop Code						
Part Rated						
Rating Data Type	Control	Control	Stunting	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	Apr-26-19	Apr-26-19	May-10-19	May-10-19	May-10-19	May-10-19
Trt-Eval Interval	16 DA-A	16 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form	Form	Rate	Grow	Appl	
No. Name	Conc	Type	Rate	Unit	Stg	Code Plot
						8
						9
						10
						11
						12
						13
12 29 DAP (V6)					112	0.0
ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST A 201	0.0
STATUS	61.1	WG	5.0	oz/a	POST A 307	0.0
PROWL H20	3.8	SC	32.0	oz/a	POST A 402	0.0
					Mean =	0.0

University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS			
Trial ID:	CN-08-19	Study Dir.:	Eric P. Prostko
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.						Zeama	Amapa	Rapra	Agrass	Zeama Stalk - Abnormal 1-2	Amapa Control Percent		
						Stunting Percent May-20-19 40 DA-A	Control Percent May-20-19 40 DA-A	Control Percent May-20-19 40 DA-A	Control Percent May-20-19 40 DA-A	Control Percent May-20-19 40 DA-A	Control Percent Jun-14-19 65 DA-A		
Trt Treatment	Form	Form	Rate	Grow	Appl								
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot						
1 9 DAP (V1) NTC							101 212 306 407 Mean =	14	15	16	17	18	19
2 9 DAP (V1) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	POST POST POST	A A A	102 203 305 404 Mean =	14	15	16	17	18	19
3 9 DAP (V1) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 5 3.8	SL SL SC	32.0 6.4 32.0	oz/a oz/a oz/a	POST POST POST	A A A	103 206 310 401 Mean =	14	15	16	17	18	19
4 9 DAP (V1) ROUNDUP W-MAX STATUS PROWL H20	5.5 61.1 3.8	SL WG SC	32.0 5.0 32.0	oz/a oz/a oz/a	POST POST POST	A A A	104 208 312 408 Mean =	14	15	16	17	18	19
5 21 DAP (V4) NTC							105 209 308 406 Mean =	14	15	16	17	18	19
6 21 DAP (V4) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	POST POST POST	A A A	106 202 301 412 Mean =	14	15	16	17	18	19
7 21 DAP (V4) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 5 3.8	SL SL SC	32.0 6.4 32.0	oz/a oz/a oz/a	POST POST POST	A A A	107 204 303 409 Mean =	14	15	16	17	18	19
8 21 DAP (V4) ROUNDUP W-MAX STATUS PROWL H20	5.5 61.1 3.8	SL WG SC	32.0 5.0 32.0	oz/a oz/a oz/a	POST POST POST	A A A	108 205 311 405 Mean =	14	15	16	17	18	19
9 29 DAP (V6) NTC							109 210 302 403 Mean =	14	15	16	17	18	19
10 29 DAP (V6) ROUNDUP W-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	POST POST POST	A A A	110 211 309 411 Mean =	14	15	16	17	18	19
11 29 DAP (V6) ROUNDUP W-MAX ENGENIA PROWL H20	5.5 5 3.8	SL SL SC	32.0 6.4 32.0	oz/a oz/a oz/a	POST POST POST	A A A	111 207 304 410 Mean =	14	15	16	17	18	19

University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS																																																																																																																																							
Trial ID: CN-08-19		Study Dir.: Eric P. Prostko																																																																																																																																					
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Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	Agrass	Control Percent	Jun-14-19 65 DA-A	Aug-29-19 141 DA-A	Aug-29-19 141 DA-A																																																																																																																										
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">ZEAMA</td> <td style="text-align: center;">ZEAMA</td> <td style="text-align: center;">ZEAMA</td> <td style="text-align: center;">ZEAMA</td> <td style="text-align: center;">ZEAMA</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">PLOT -</td> <td style="text-align: center;">PLOT -</td> <td style="text-align: center;">PLOT -</td> <td style="text-align: center;">PLOT -</td> <td style="text-align: center;">PLOT -</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">YIELD</td> <td style="text-align: center;">YIELD</td> <td style="text-align: center;">YIELD</td> <td style="text-align: center;">YIELD</td> <td style="text-align: center;">YIELD</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">LBS</td> <td style="text-align: center;">LBS</td> <td style="text-align: center;">LBS</td> <td style="text-align: center;">LBS</td> <td style="text-align: center;">LBS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">BU/A</td> <td style="text-align: center;">BU/A</td> <td style="text-align: center;">BU/A</td> <td style="text-align: center;">BU/A</td> <td style="text-align: center;">BU/A</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">TY1</td> <td style="text-align: center;">TY1</td> <td style="text-align: center;">TY1</td> <td style="text-align: center;">TY1</td> <td style="text-align: center;">TY1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">- 0</td> <td style="text-align: center;">- 0</td> <td style="text-align: center;">- 0</td> <td style="text-align: center;">- 0</td> <td style="text-align: center;">- 0</td> </tr> </table>																																	-----	-----	-----	-----	-----										ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA										PLOT -	PLOT -	PLOT -	PLOT -	PLOT -										YIELD	YIELD	YIELD	YIELD	YIELD										LBS	LBS	LBS	LBS	LBS										BU/A	BU/A	BU/A	BU/A	BU/A										TY1	TY1	TY1	TY1	TY1										- 0	- 0	- 0	- 0	- 0
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									ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA																																																																																																																										
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									LBS	LBS	LBS	LBS	LBS																																																																																																																										
									BU/A	BU/A	BU/A	BU/A	BU/A																																																																																																																										
									TY1	TY1	TY1	TY1	TY1																																																																																																																										
									- 0	- 0	- 0	- 0	- 0																																																																																																																										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	20	21	22																																																																																																																												
	1 9 DAP (V1)							101	0.0	35.0	181																																																																																																																												
	NTC							212	0.0	37.0	191																																																																																																																												
								306	0.0	52.0	269																																																																																																																												
								407	0.0	46.0	238																																																																																																																												
								Mean =	0.0	42.5	220																																																																																																																												
	2 9 DAP (V1)							102	99.0	48.0	248																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	203	99.0	49.0	253																																																																																																																												
	ATRAZINE	4	L	64.0	oz/a	POST	A	305	85.0	49.0	253																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	404	95.0	54.0	279																																																																																																																												
								Mean =	94.5	50.0	258																																																																																																																												
	3 9 DAP (V1)							103	99.0	45.0	233																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	206	95.0	52.0	269																																																																																																																												
	ENGENIA	5	SL	6.4	oz/a	POST	A	310	95.0	50.0	258																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	401	90.0	47.0	243																																																																																																																												
								Mean =	94.8	48.5	251																																																																																																																												
	4 9 DAP (V1)							104	99.0	50.0	258																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	208	95.0	53.0	274																																																																																																																												
	STATUS	61.1	WG	5.0	oz/a	POST	A	312	95.0	45.0	233																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	408	95.0	52.0	269																																																																																																																												
								Mean =	96.0	50.0	258																																																																																																																												
	5 21 DAP (V4)							105	0.0	39.0	202																																																																																																																												
	NTC							209	0.0	45.0	233																																																																																																																												
								308	0.0	47.0	243																																																																																																																												
								406	0.0	46.0	238																																																																																																																												
								Mean =	0.0	44.3	229																																																																																																																												
	6 21 DAP (V4)							106	99.0	50.0	258																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	202	95.0	47.0	243																																																																																																																												
	ATRAZINE	4	L	64.0	oz/a	POST	A	301	95.0	44.0	227																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	412	95.0	44.0	227																																																																																																																												
								Mean =	96.0	46.3	239																																																																																																																												
	7 21 DAP (V4)							107	95.0	44.0	227																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	204	99.0	48.0	248																																																																																																																												
	ENGENIA	5	SL	6.4	oz/a	POST	A	303	95.0	42.0	217																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	409	95.0	47.0	243																																																																																																																												
								Mean =	96.0	45.3	234																																																																																																																												
	8 21 DAP (V4)							108	95.0	50.0	258																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	205	99.0	46.0	238																																																																																																																												
	STATUS	61.1	WG	5.0	oz/a	POST	A	311	95.0	51.0	264																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	405	95.0	48.0	248																																																																																																																												
								Mean =	96.0	48.8	252																																																																																																																												
	9 29 DAP (V6)							109	0.0	39.0	202																																																																																																																												
	NTC							210	0.0	41.0	212																																																																																																																												
								302	0.0	38.0	196																																																																																																																												
								403	0.0	47.0	243																																																																																																																												
								Mean =	0.0	41.3	213																																																																																																																												
	10 29 DAP (V6)							110	99.0	46.0	238																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	211	95.0	49.0	253																																																																																																																												
	ATRAZINE	4	L	64.0	oz/a	POST	A	309	95.0	52.0	269																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	411	95.0	48.0	248																																																																																																																												
								Mean =	96.0	48.8	252																																																																																																																												
	11 29 DAP (V6)							111	99.0	42.0	217																																																																																																																												
	ROUNDUP W-MAX	5.5	SL	32.0	oz/a	POST	A	207	95.0	44.0	227																																																																																																																												
	ENGENIA	5	SL	6.4	oz/a	POST	A	304	95.0	49.0	253																																																																																																																												
	PROWL H20	3.8	SC	32.0	oz/a	POST	A	410	95.0	47.0	243																																																																																																																												
								Mean =	96.0	45.5	235																																																																																																																												

University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS

Trial ID: CN-08-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Agrass	-----	-----	
Crop Code		ZEAMA	ZEAMA	
Part Rated		PLOT -	PLOT -	
Rating Data Type	Control	YIELD	YIELD	
Rating Unit	Percent	LBS	BU/A	
Rating Date	Jun-14-19	Aug-29-19	Aug-29-19	
Trt-Eval Interval	65 DA-A	141 DA-A	141 DA-A	
PRM Data Type			TY1	
# Subsamples, Dec.			- 0	
Trt Treatment	Form Form	Rate Grow	Appl	
No. Name	Conc Type	Rate Unit	Stg Code Plot	
12 29 DAP (V6)			112	99.0
ROUNDUP W-MAX	5.5 SL	32.0 oz/a	POST A	201 99.0
STATUS	61.1 WG	5.0 oz/a	POST A	307 95.0
PROWL H20	3.8 SC	32.0 oz/a	POST A	402 99.0
			Mean =	98.0
				21 44.0
				22 227
				217
				253
				264
				240

University of Georgia

WEED CONTROL IN FIELD CORN WITH ENGENIA AND STATUS

Trial ID: CN-08-19 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

PRM Data Type

TY1 = 5.167304*[21]