

University of Georgia

WEED CONTROL IN ENLIST FIELD CORN

Trial ID: CN-12-18 Study Dir.: JOHN RICHBURG/BO MATHIS
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Spray vol: 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	Rep 1	2	3	4
1	NTC								101	209	306	407
2	NTC								102	210	307	405
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	A	25.0 mL/mx	103	207	310	408
	ATRAZINE	4	L	64.0	oz/a	POST	A	49.99 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
4	LIBERTY	2.34	SL	29.0	oz/a	POST	A	22.65 mL/mx	104	208	303	406
	ATRAZINE	4	L	64.0	oz/a	POST	A	49.99 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
5	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	105	204	308	404
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	A	25.0 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
6	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	106	202	309	402
	LIBERTY	2.34	SL	29.0	oz/a	POST	A	22.65 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
7	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	107	203	304	401
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	A	25.0 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
8	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	108	206	302	409
	LIBERTY	2.34	SL	29.0	oz/a	POST	A	22.65 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				
9	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	109	205	301	410
	LIBERTY	2.34	SL	22.0	oz/a	POST	A	17.19 mL/mx				
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST	A	17.19 mL/mx				
10	ENLIST ONE	3.8	SL	24.0	oz/a	POST	A	18.75 mL/mx	110	201	305	403
	LIBERTY	2.34	SL	22.0	oz/a	POST	A	17.19 mL/mx				
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST	A	17.19 mL/mx				
	PROWL H2O	3.8	SC	32.0	oz/a	POST	A	25.0 mL/mx				

Sort Order: Treatment

Trial Comments

AVERAGE HARVEST MOISTURE: 15.575%
YIELDS ADJUSTED TO 15.5% MOISTURE

SUMMARY:

- 1) NO SIGNIFICANT CROP INJURY WAS OBSERVED FROM ANY TREATMENT.
- 2) GENERALLY, ENLIST ONE WEED CONTROL TREATMENTS WERE COMPARABLE TO CURRENT STANDARDS OF ROUNDUP P-MAX OR LIBERTY + ATRAZINE + PROWL H2O.
- 3) PALMER AMARANTH CONTROL WAS EXCELLENT WITH ALL TREATMENTS (>93%).
- 4) ANNUAL GRASS CONTROL AT HARVEST WAS GREATER THAN 92% WITH ALL TREATMENTS EXCEPT FOR ENLIST ONE @ 24 OZ/A + LIBERTY @ 22 OZ/A + ROUNDUP P-MAX @ 22 OZ/A (60% CONTROL).
- 5) THE MOST LIKELY ENLIST ONE TREATMENT FOR GEORGIA WOULD BE ENLIST ONE + ROUNDUP OR LIBERTY + PROWL H2O.
- 5) THERE WERE STATISTICAL DIFFERENCES IN CORN YIELD BETWEEN THE NTC AND CERTAIN POST TREATMENTS.

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WEED CONTROL IN ENLIST FIELD CORN

Trial ID: CN-12-18 Study Dir.: JOHN RICHBURG/BO MATHIS
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JOHN RICHBURG/BO MATHIS **Title:** _____ **Postal Code:** _____
Affiliation: _____
Investigator: Eric P. Prostko **Title:** _____ **Postal Code:** _____
Affiliation: _____
Trial Status: _____ **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Objective: _____
Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** AGRASS TX PANICUM;CRAB;CROW;GOOSE

Crop 1: ZEAMA FIELD CORN **Variety:** MYCOGEN MY13C99 **Planting Date:** Mar-27-18
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 1.75 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:** RACOB
Trial Initiation Comments: _____

Previous: Crops **Pesticides** **Year**
1. PEANUT 2017 _____

MAINTENANCE

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.57 **% Sand:** 96 **% Silt:** 0 **% Clay:** 4
pH: 6.5 **CEC:** 2.4 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Mar-29-18		0.4	IN	SPRINKLER - LATERAL MOVE		
2. Mar-30-18		1.03	IN	RAINFALL		
3. Apr-4-18		0.03	IN	RAINFALL		
4. Apr-5-18		0.5	IN	SPRINKLER - LATERAL MOVE		
5. Apr-7-18		0.36	IN	RAINFALL		
6. Apr-12-18		0.5	IN	SPRINKLER - LATERAL MOVE		
7. Apr-15-18		1.0	IN	RAINFALL		
8. Apr-22-18		0.33	IN	RAINFALL		
9. Apr-23-18		1.18	IN	RAINFALL		
10. Apr-27-18		0.5	IN	SPRINKLER - LATERAL MOVE		
11. May-4-18		0.5	IN	SPRINKLER - LATERAL MOVE		
12. May-7-18		0.5	IN	SPRINKLER - LATERAL MOVE		
13. May-9-18		0.5	IN	SPRINKLER - LATERAL MOVE		

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

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APPLICATION DESCRIPTION		A	B	C	D	E	F
Application Date:	Apr-17-18						
Time of Day:	8:00 AM						
Application Method:	BROADCAST						
Application Timing:	POST						
Applic. Placement:	FOLIAGE						
Air Temp., Unit:	44 F						
% Relative Humidity:	91						
Wind Velocity, Unit:	1 MPH						
Dew Presence (Y/N):	Y						
Water Hardness:	--						
Soil Temp., Unit:	52 F						
Soil Moisture:	OPTIMUM						
% Cloud Cover:	0						

CROP STAGE AT EACH APPLICATION		A	B	C	D	E	F
Crop 1	Stage: ZEAMA						
Stage Scale:	V3;4-5LF						
Height, Unit:	5 IN						

WEED STAGE AT EACH APPLICATION		A	B	C	D	E	F
Weed 1	Stage: AMAPA 0.5-1"						
Stage Scale:	4-6 LF						
Density, Unit:							
Weed 2	Stage: AGRASS 0.5-1"						
Stage Scale:	1-4 LF						
Density, Unit:							

APPLICATION EQUIPMENT		A	B	C	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:	43						
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 CONTROL IN ENLIST FIELD CORN											
Trial ID: CN-12-18		Study Dir.: JOHN RICHBURG/BO MATHIS									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code				-----	AMAPA	AGRASS	-----	AMAPA	AGRASS	AMAPA	
Crop Code				ZEAMA	-----	-----	ZEAMA	-----	-----	-----	
Part Rated				PLANT C			PLANT C				
Rating Data Type				STUNT	CONTROL	CONTROL	STUNT	CONTROL	CONTROL	CONTROL	
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date				Apr-27-18	Apr-27-18	Apr-27-18	May-16-18	May-16-18	May-16-18	Jun-6-18	
PRM Data Type											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4
1	NTC							0.0 a	0.0 b	0.0 b	0.0 a
2	NTC							0.0 a	0.0 b	0.0 b	0.0 a
3	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST A			7.5 a	99.0 a	99.0 a	1.3 a
	ATRAZINE	4 L		64.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
4	LIBERTY	2.34 SL		29.0 oz/a	POST A			5.0 a	99.0 a	99.0 a	3.8 a
	ATRAZINE	4 L		64.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
5	ENLIST ONE	3.8 SL		24.0 oz/a	POST A			6.3 a	99.0 a	99.0 a	5.0 a
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
6	ENLIST ONE	3.8 SL		24.0 oz/a	POST A			5.0 a	99.0 a	99.0 a	0.0 a
	LIBERTY	2.34 SL		29.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
7	ENLIST ONE	3.8 SL		32.0 oz/a	POST A			5.0 a	99.0 a	99.0 a	5.0 a
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
8	ENLIST ONE	3.8 SL		32.0 oz/a	POST A			7.5 a	99.0 a	99.0 a	6.3 a
	LIBERTY	2.34 SL		29.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
9	ENLIST ONE	3.8 SL		24.0 oz/a	POST A			2.5 a	99.0 a	99.0 a	3.8 a
	LIBERTY	2.34 SL		22.0 oz/a	POST A						
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST A						
10	ENLIST ONE	3.8 SL		24.0 oz/a	POST A			2.5 a	99.0 a	99.0 a	2.5 a
	LIBERTY	2.34 SL		22.0 oz/a	POST A						
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST A						
	PROWL H20	3.8 SC		32.0 oz/a	POST A						
Tukey's HSD P=.10				12.05	.	.		8.67	4.61	.	.
Standard Deviation				5.47	0.00	0.00		3.93	2.09	0.00	0.00
CV				132.52	0.0	0.0		142.99	2.65	0.0	0.0
Grand Mean				4.13	79.20	79.20		2.75	78.75	76.80	79.20
Levene's F				2.412	0.00	0.00		3.333		0.00	0.00
Levene's Prob(F)				0.034*	0.00*	0.00*		0.006*		0.00*	0.00*
Replicate F				1.806	0.000	0.000		1.778	1.000	0.000	0.000
Replicate Prob(F)				0.1700	1.0000	1.0000		0.1750	0.4079	1.0000	1.0000
Treatment F				1.025	0.000	0.000		1.419	1579.809	0.000	0.000
Treatment Prob(F)				0.4459	1.0000	1.0000		0.2290	0.0001	1.0000	1.0000

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

Could not calculate Tukey's HSD (% mean diff) for columns 2,3,6,7 because error mean square = 0.

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Weed Code							AGRASS	AMAPA	AGRASS	-----	-----
Crop Code							-----	-----	-----	ZEAMA	ZEAMA
Part Rated										PLOT -	PLOT -
Rating Data Type							CONTROL	CONTROL	CONTROL	YIELD	YIELD
Rating Unit							PERCENT	PERCENT	PERCENT	LBS/PLOT	BU/A
Rating Date							Jun-6-18	Aug-3-18	Aug-3-18	Aug-27-18	Aug-27-18
PRM Data Type											TY1
# Subsamples, Dec.											- 0
Trt Treatment	Form Form	Rate Grow	Appl								
No. Name	Conc Type Rate Unit Stg Code						8	9	10	11	12
1 NTC							0.0 c	0.0 c	0.0 c	37.3 b	193 b
2 NTC							0.0 c	0.0 c	0.0 c	39.5 ab	205 ab
3 ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST A				83.8 a	99.0 a	95.0 a	41.8 ab	216 ab
ATRAZINE	4 L	64.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
4 LIBERTY	2.34 SL	29.0 oz/a	POST A				92.5 a	99.0 a	95.0 a	44.0 a	228 a
ATRAZINE	4 L	64.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
5 ENLIST ONE	3.8 SL	24.0 oz/a	POST A				92.5 a	99.0 a	95.0 a	43.0 a	223 a
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
6 ENLIST ONE	3.8 SL	24.0 oz/a	POST A				90.0 a	97.0 ab	93.8 a	44.0 a	228 a
LIBERTY	2.34 SL	29.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
7 ENLIST ONE	3.8 SL	32.0 oz/a	POST A				90.0 a	98.0 a	92.5 a	41.5 ab	215 ab
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
8 ENLIST ONE	3.8 SL	32.0 oz/a	POST A				90.0 a	98.0 a	92.5 a	41.3 ab	214 ab
LIBERTY	2.34 SL	29.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
9 ENLIST ONE	3.8 SL	24.0 oz/a	POST A				62.5 b	93.5 b	60.0 b	43.5 a	225 a
LIBERTY	2.34 SL	22.0 oz/a	POST A								
ROUNDUP P-MAX	5.5 SL	22.0 oz/a	POST A								
10 ENLIST ONE	3.8 SL	24.0 oz/a	POST A				91.0 a	98.0 a	92.5 a	43.5 a	225 a
LIBERTY	2.34 SL	22.0 oz/a	POST A								
ROUNDUP P-MAX	5.5 SL	22.0 oz/a	POST A								
PROWL H2O	3.8 SC	32.0 oz/a	POST A								
Tukey's HSD P=.10							19.17	4.26	7.37	5.55	28.8
Standard Deviation							8.70	1.93	3.34	2.52	13.0
CV							12.56	2.47	4.67	6.01	6.01
Grand Mean							69.23	78.15	71.63	41.93	217.2
Levene's F							0.585	3.34	1.444	1.751	1.751
Levene's Prob(F)							0.799	0.006*	0.214	0.121	0.121
Replicate F							2.222	0.722	1.248	3.316	3.316
Replicate Prob(F)							0.1085	0.5473	0.3117	0.0348	0.0348
Treatment F							74.602	1818.675	549.820	3.024	3.024
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0124	0.0124

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

Could not calculate Tukey's HSD (% mean diff) for columns 2,3,6,7 because error mean square = 0.

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WEED CONTROL IN ENLIST FIELD CORN	
Trial ID: CN-12-18	Study Dir.: JOHN RICHBURG/BO MATHIS
Location: PONDER FARM	Investigator: Eric P. Prostko
<u>Weed Code</u> AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS. <u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) C = Crop is Part Rated <u>PRM Data Type</u> TY1 = 5.181112*[C11]	

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WEED CONTROL IN ENLIST FIELD CORN

Trial ID: CN-12-18 Study Dir.: JOHN RICHBURG/BO MATHIS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	AMAPA	AGRASS	-----	AMAPA	AGRASS		
Crop Code							ZEAMA	-----	-----	ZEAMA	-----	-----		
Part Rated							PLANT C	CONTROL	CONTROL	PLANT C	CONTROL	CONTROL		
Rating Data Type							STUNT	PERCENT	PERCENT	STUNT	PERCENT	PERCENT		
Rating Unit							PERCENT	Apr-27-18	Apr-27-18	PERCENT	May-16-18	May-16-18		
Rating Date							Apr-27-18	Apr-27-18	Apr-27-18	May-16-18	May-16-18	May-16-18		
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
1	NTC						101		0.0	0.0	0.0	0.0	0.0	0.0
							209		0.0	0.0	0.0	0.0	0.0	0.0
							306		0.0	0.0	0.0	0.0	0.0	0.0
							407		0.0	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0
2	NTC						102		0.0	0.0	0.0	0.0	0.0	0.0
							210		0.0	0.0	0.0	0.0	0.0	0.0
							307		0.0	0.0	0.0	0.0	0.0	0.0
							405		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
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	103		10.0	99.0	99.0	0.0	99.0	99.0
							207		10.0	99.0	99.0	5.0	99.0	99.0
							310		0.0	99.0	99.0	0.0	99.0	99.0
							408		10.0	99.0	99.0	0.0	99.0	99.0
							Mean =		7.5	99.0	99.0	1.3	99.0	99.0
4	LIBERTY	2.34	SL	29.0	oz/a	POST A	104		0.0	99.0	99.0	0.0	99.0	99.0
							208		10.0	99.0	99.0	5.0	99.0	99.0
							303		10.0	99.0	99.0	10.0	99.0	99.0
							406		0.0	99.0	99.0	0.0	99.0	99.0
							Mean =		5.0	99.0	99.0	3.8	99.0	99.0
5	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	105		0.0	99.0	99.0	0.0	99.0	99.0
							204		0.0	99.0	99.0	10.0	99.0	99.0
							308		10.0	99.0	99.0	0.0	99.0	99.0
							404		15.0	99.0	99.0	10.0	99.0	99.0
							Mean =		6.3	99.0	99.0	5.0	99.0	99.0
6	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	106		0.0	99.0	99.0	0.0	99.0	99.0
							202		0.0	99.0	99.0	0.0	99.0	99.0
							309		10.0	99.0	99.0	0.0	99.0	99.0
							402		10.0	99.0	99.0	0.0	99.0	99.0
							Mean =		5.0	99.0	99.0	0.0	99.0	99.0
7	ENLIST ONE	3.8	SL	32.0	oz/a	POST A	107		0.0	99.0	99.0	0.0	99.0	99.0
							203		10.0	99.0	99.0	10.0	99.0	99.0
							304		10.0	99.0	99.0	10.0	99.0	99.0
							401		0.0	99.0	99.0	0.0	99.0	99.0
							Mean =		5.0	99.0	99.0	5.0	99.0	99.0
8	ENLIST ONE	3.8	SL	32.0	oz/a	POST A	108		0.0	99.0	99.0	0.0	99.0	99.0
							206		0.0	99.0	99.0	5.0	99.0	99.0
							302		10.0	99.0	99.0	10.0	99.0	99.0
							409		20.0	99.0	99.0	10.0	99.0	99.0
							Mean =		7.5	99.0	99.0	6.3	99.0	99.0
9	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	109		0.0	99.0	99.0	5.0	85.0	75.0
							205		10.0	99.0	99.0	10.0	99.0	75.0
							301		0.0	99.0	99.0	0.0	95.0	75.0
							410		0.0	99.0	99.0	0.0	99.0	75.0
							Mean =		2.5	99.0	99.0	3.8	94.5	75.0
10	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	110		0.0	99.0	99.0	0.0	99.0	99.0
							201		0.0	99.0	99.0	0.0	99.0	99.0
							305		0.0	99.0	99.0	0.0	99.0	99.0
							403		10.0	99.0	99.0	10.0	99.0	99.0
							Mean =		2.5	99.0	99.0	2.5	99.0	99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							AMAPA ----- CONTROL PERCENT Jun-6-18	AGRASS ----- CONTROL PERCENT Jun-6-18	AMAPA ----- CONTROL PERCENT Aug-3-18	AGRASS ----- CONTROL PERCENT Aug-3-18	----- ZEAMA PLOT - YIELD LBS/PLOT Aug-27-18	----- ZEAMA PLOT - YIELD BU/A Aug-27-18 TY1 - 0		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NTC						101		0.0	0.0	0.0	0.0	34.0	176
							209		0.0	0.0	0.0	0.0	43.0	223
							306		0.0	0.0	0.0	0.0	35.0	181
							407		0.0	0.0	0.0	0.0	37.0	192
							Mean =		0.0	0.0	0.0	0.0	37.3	193
2	NTC						102		0.0	0.0	0.0	0.0	35.0	181
							210		0.0	0.0	0.0	0.0	45.0	233
							307		0.0	0.0	0.0	0.0	36.0	187
							405		0.0	0.0	0.0	0.0	42.0	218
							Mean =		0.0	0.0	0.0	0.0	39.5	205
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	103		99.0	95.0	99.0	95.0	41.0	212
	ATRAZINE	4	L	64.0	oz/a	POST A	207		99.0	95.0	99.0	95.0	45.0	233
	PROWL H20	3.8	SC	32.0	oz/a	POST A	310		99.0	95.0	99.0	95.0	44.0	228
							408		99.0	50.0	99.0	95.0	37.0	192
							Mean =		99.0	83.8	99.0	95.0	41.8	216
4	LIBERTY	2.34	SL	29.0	oz/a	POST A	104		99.0	95.0	99.0	95.0	43.0	223
	ATRAZINE	4	L	64.0	oz/a	POST A	208		99.0	95.0	99.0	95.0	44.0	228
	PROWL H20	3.8	SC	32.0	oz/a	POST A	303		99.0	95.0	99.0	95.0	42.0	218
							406		99.0	85.0	99.0	95.0	47.0	244
							Mean =		99.0	92.5	99.0	95.0	44.0	228
5	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	105		99.0	95.0	99.0	95.0	43.0	223
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	204		99.0	95.0	99.0	95.0	44.0	228
	PROWL H20	3.8	SC	32.0	oz/a	POST A	308		99.0	85.0	99.0	95.0	42.0	218
							404		99.0	95.0	99.0	95.0	43.0	223
							Mean =		99.0	92.5	99.0	95.0	43.0	223
6	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	106		99.0	95.0	95.0	95.0	45.0	233
	LIBERTY	2.34	SL	29.0	oz/a	POST A	202		99.0	95.0	95.0	95.0	46.0	238
	PROWL H20	3.8	SC	32.0	oz/a	POST A	309		99.0	85.0	99.0	95.0	42.0	218
							402		99.0	85.0	99.0	90.0	43.0	223
							Mean =		99.0	90.0	97.0	93.8	44.0	228
7	ENLIST ONE	3.8	SL	32.0	oz/a	POST A	107		99.0	95.0	99.0	95.0	42.0	218
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	203		99.0	95.0	99.0	95.0	40.0	207
	PROWL H20	3.8	SC	32.0	oz/a	POST A	304		99.0	95.0	99.0	95.0	41.0	212
							401		99.0	75.0	95.0	85.0	43.0	223
							Mean =		99.0	90.0	98.0	92.5	41.5	215
8	ENLIST ONE	3.8	SL	32.0	oz/a	POST A	108		99.0	95.0	99.0	95.0	42.0	218
	LIBERTY	2.34	SL	29.0	oz/a	POST A	206		99.0	85.0	95.0	85.0	43.0	223
	PROWL H20	3.8	SC	32.0	oz/a	POST A	302		99.0	95.0	99.0	95.0	43.0	223
							409		99.0	85.0	99.0	95.0	37.0	192
							Mean =		99.0	90.0	98.0	92.5	41.3	214
9	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	109		99.0	65.0	90.0	65.0	43.0	223
	LIBERTY	2.34	SL	22.0	oz/a	POST A	205		99.0	65.0	95.0	65.0	45.0	233
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST A	301		99.0	60.0	90.0	60.0	43.0	223
							410		99.0	60.0	99.0	50.0	43.0	223
							Mean =		99.0	62.5	93.5	60.0	43.5	225
10	ENLIST ONE	3.8	SL	24.0	oz/a	POST A	110		99.0	95.0	99.0	90.0	44.0	228
	LIBERTY	2.34	SL	22.0	oz/a	POST A	201		99.0	75.0	95.0	90.0	46.0	238
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST A	305		99.0	95.0	99.0	95.0	44.0	228
	PROWL H20	3.8	SC	32.0	oz/a	POST A	403		99.0	99.0	99.0	95.0	40.0	207
							Mean =		99.0	91.0	98.0	92.5	43.5	225

University of Georgia

WEED CONTROL IN ENLIST FIELD CORN	
Trial ID: CN-12-18	Study Dir.: JOHN RICHBURG/BO MATHIS
Location: PONDER FARM	Investigator: Eric P. Prostko
<u>Weed Code</u> AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS. <u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) C = Crop is Part Rated <u>PRM Data Type</u> TY1 = 5.181112*[C11]	