

University of Georgia

LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES

Trial ID: CN-02-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	209	305	404
2	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1432.7 mL	102	207	310	409
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
3	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1420.2 mL	103	212	301	411
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A		12.5 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
4	ROUNDUP WEATHERMAX	5.5 SL		32.0 oz/a		EPOST A		25.0 mL/mx	1400.0 mL	104	206	308	405
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	PROWL H2O	3.8 SC		32.0 oz/a		EPOST A		25.0 mL/mx					
5	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1395.2 mL	105	203	307	403
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	WARRANT	3 ME		48.0 oz/a		EPOST A		37.5 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
6	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1430.7 mL	106	210	303	407
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	ZIDUA	4.17 SC		2.5 oz/a		EPOST A		1.953 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
7	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1422.7 mL	107	205	306	401
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	OUTLOOK	6 EC		12.8 oz/a		EPOST A		9.999 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
8	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1430.3 mL	108	204	311	412
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	ANTHEM MAX	4.3 SC		3.0 oz/a		EPOST A		2.343 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
9	LAUDIS	3.45 SC		3.0 oz/a		EPOST A		2.343 mL/mx	1407.7 mL	109	208	309	402
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
	PROWL H2O	3.8 SC		32.0 oz/a		EPOST A		25.0 mL/mx					
	MSO			1.0 % v/v		EPOST A		15.0 mL/mx					
10	REALM Q	38.7 DG		4.0 oz/a		EPOST A		2.996 g/mx	1472.0 mL	110	201	312	410
	ROUNDUP WEATHERMAX	5.5 SL		32.0 oz/a		EPOST A		25.0 mL/mx					
11	ROUNDUP WEATHERMAX	5.5 SL		32.0 oz/a		EPOST A		25.0 mL/mx	1422.0 mL	111	202	304	406
	REALM Q	38.7 DG		4.0 oz/a		EPOST A		2.996 g/mx					
	ATRAZINE	4 L		64.0 oz/a		EPOST A		49.99 mL/mx					
12	NTC								-	112	211	302	408

Sort Order: Replicate 1

Trial Comments

ANTHEM MAX = PYROXASULFONE (4.174 LBS/GAL) + FLUTHIACET (0.126 LBS/GAL)
 REALM Q = RIMSULFURON (7.5%) + MESOTRIONE (31.25%) + ISOXADIFEN

MSO = MES 100 (DREXEL)

HARVEST MOISTURE = 19.0%
 YIELDS ADJUSTED TO 15.5%

SUMMARY

1) LAUDIS + ATRAZINE + DUAL MAGNUM + MSO, LAUDIS + ATRAZINE + OUTLOOK + MSO, AND LAUDIS + ATRAZINE + ANTHEM MAX + MSO CAUSED SLIGHT CORN LEAF BURN (8-15%).

2) PALMER AMARANTH AND ANNUAL GRASS CONTROL WAS EXCELLENT WITH ALL TREATMENTS (>95%).

3) WILD RADISH CONTROL WAS VARIABLE (71-92%) WITH THE LOWEST CONTROL FROM REALM Q + ROUNDUP WEATHERMAX (71% CONTROL)

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 Location: PONDER FARM Investigator: Eric P. Prostko

4) CORN YIELDS WERE NOT INFLUENCED BY ANY TREATMENT (P=0.7978)

GENERAL TRIAL INFORMATION

Study Director: KEITH RUCKER Title: _____
 Affiliation: _____ Postal Code: _____

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

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

Objective:

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH 2. AGRASS TX PAN;CRAB;CROW;GOOSE
 Weed 3. RAPRA WILD RADISH 4. ARAHY VOLUNTEER PEANUT
 Weed 5. CYPES YELLOW NUTSEDGE 6. _____

Crop 1: ZEAMA FIELD CORN Variety: DKC 6869 Planting Date: Mar-23-20
 Planting Method: MONOSEM Rate: 363000 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: _____ Study Design: RACOB
 Tillage Type: CONVENTIONAL
 Trial Initiation Comments: 800 LBS/A 5-15-30 PREPLANT;SIDEDRESS N 2 254 LBS/A
 TOTAL; AXILO-BMZ @ 2 LBS/A

Previous: Crops Pesticides Year
 1. PEANUT _____ 2019

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.53 % Sand: 92 % Silt: 6 % Clay: 2
 pH: 6.0 CEC: 2.6 Soil Name: DOTHAN Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Mar-25-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. Mar-31-20	_____	0.7	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. Apr-6-20	_____	0.6	IN	RAINFALL	_____	_____
4. Apr-13-20	_____	0.9	IN	RAINFALL	_____	_____
5. Apr-18-20	_____	0.04	IN	RAINFALL	_____	_____
6. Apr-19-20	_____	0.80	IN	RAINFALL	_____	_____
7. Apr-20-20	_____	0.65	IN	RAINFALL	_____	_____
8. Apr-23-20	_____	2.4	IN	RAINFALL	_____	_____
9. Apr-30-20	_____	0.9	IN	RAINFALL	_____	_____
10. May-5-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
11. May-7-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
12. May-13-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
13. May-14-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
14. May-17-20	_____	0.11	IN	RAINFALL	_____	_____
15. May-20-20	_____	1.3	IN	RAINFALL	_____	_____
16. May-22-20	_____	1.2	IN	RAINFALL	_____	_____
17. May-26-20	_____	0.26	IN	RAINFALL	_____	_____
18. May-28-20	_____	0.41	IN	RAINFALL	_____	_____
19. May-29-20	_____	0.19	IN	RAINFALL	_____	_____

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

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 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION		A	B	C	D	E	F
Application Date:	Apr-14-20						
Time of Day:	8:11 AM						
Application Method:	BROADCAST						
Application Timing:	EPOST						
Applic. Placement:	FOLIAGE						
Air Temp., Unit:	60 F						
% Relative Humidity:	86						
Wind Velocity, Unit:	4 MPH						
Dew Presence (Y/N):	Y						
Water Hardness:	--						
Soil Temp., Unit:	65 F						
Soil Moisture:	OPTIMUM						
% Cloud Cover:	20						

CROP STAGE AT EACH APPLICATION		A	B	C	D	E	F
Crop 1	Stage: ZEAMA						
Stage Scale:	6":V5						
Height, Unit:							

WEED STAGE AT EACH APPLICATION		A	B	C	D	E	F
Weed 1	Stage: AMAPA 1-2"						
Stage Scale:							
Density, Unit:							
Weed 2	Stage: AGRASS 1-3"						
Stage Scale:							
Density, Unit:							
Weed 3	Stage: RAPRA 1-3"						
Stage Scale:							
Density, Unit:							
Weed 4	Stage: ARAHY 2-3"						
Stage Scale:							
Density, Unit:							
Weed 5	Stage: CYPES 2-4"						
Stage Scale:							
Density, Unit:							

APPLICATION EQUIPMENT		A	B	C	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:	40						
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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Trial ID: CN-02-20		Study Dir.: KEITH RUCKER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code		-----	Amapa	Rapra	Agrass	-----	Amapa	Rapra	Agrass	
Crop Code		Zeama	-----	-----	-----	Zeama	-----	-----	-----	
Part Rated		Leaf -				INJURY -				
Rating Data Type		Injury	Control	Control	Control	STUNTING	Control	Control	Control	
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date		Apr-21-20	Apr-28-20	Apr-21-20	Apr-21-20	Apr-30-20	Apr-30-20	Apr-30-20	Apr-30-20	
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code	1	2	3	4	5	6	7	8
1 NTC			0.0 e	0.0 c	0.0 c	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
2 LAUDIS	3.0 oz/a A		0.0 e	99.0 a	99.0 a	99.0 a	1.3 b	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
MSO	1.0 % v/v A									
3 LAUDIS	3.0 oz/a A		10.0 b	99.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
DUAL MAGNUM	16.0 oz/a A									
MSO	1.0 % v/v A									
4 ROUNDUP WEATHERMAX	32.0 oz/a A		0.0 e	99.0 a	98.0 ab	99.0 a	1.3 b	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
PROWL H20	32.0 oz/a A									
5 LAUDIS	3.0 oz/a A		3.8 d	74.3 b	99.0 a	99.0 a	1.3 b	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
WARRANT	48.0 oz/a A									
MSO	1.0 % v/v A									
6 LAUDIS	3.0 oz/a A		0.0 e	99.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
ZIDUA	2.5 oz/a A									
MSO	1.0 % v/v A									
7 LAUDIS	3.0 oz/a A		7.5 c	99.0 a	98.0 ab	99.0 a	2.5 ab	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
OUTLOOK	12.8 oz/a A									
MSO	1.0 % v/v A									
8 LAUDIS	3.0 oz/a A		15.0 a	99.0 a	99.0 a	99.0 a	2.5 ab	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
ANTHEM MAX	3.0 oz/a A									
MSO	1.0 % v/v A									
9 LAUDIS	3.0 oz/a A		1.3 e	99.0 a	99.0 a	99.0 a	2.5 ab	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a A									
PROWL H20	32.0 oz/a A									
MSO	1.0 % v/v A									
10 REALM Q	4.0 oz/a A		1.3 e	99.0 a	96.8 b	99.0 a	2.5 ab	99.0 a	99.0 a	99.0 a
ROUNDUP WEATHERMAX	32.0 oz/a A									
11 ROUNDUP WEATHERMAX	32.0 oz/a A		0.0 e	99.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	99.0 a
REALM Q	4.0 oz/a A									
ATRAZINE	64.0 oz/a A									
12 NTC			0.0 e	0.0 c	0.0 c	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
LSD P=.10			1.86	17.10	1.70	.	3.04	.	.	.
Standard Deviation			1.55	14.29	1.42	0.00	2.54	0.00	0.00	0.00
CV			48.12	17.76	1.73	0.0	106.05	0.0	0.0	0.0
Grand Mean			3.23	80.44	82.15	82.50	2.40	82.50	82.50	82.50
Levene's F			1.788		0.858	0.00	2.487	0.00	0.00	0.00
Levene's Prob(F)			0.093		0.586	0.00*	0.019*	0.00*	0.00*	0.00*
Replicate F			0.216	1.000	2.979	0.000	7.396	0.000	0.000	0.000
Replicate Prob(F)			0.8848	0.4051	0.0455	1.0000	0.0006	1.0000	1.0000	1.0000
Treatment F			41.157	28.636	2915.145	0.000	2.017	0.000	0.000	0.000
Treatment Prob(F)			0.0001	0.0001	0.0001	1.0000	0.0590	1.0000	1.0000	1.0000

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

Could not calculate LSD (% mean diff) for columns 4,6,7,8,9 because error mean square = 0.

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LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES						
Trial ID: CN-02-20		Study Dir.: KEITH RUCKER				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code			Amapa	Agrass	Rapra	
Crop Code						
Part Rated						
Rating Data Type			Control	Control	Control	-----
Rating Unit			Percent	Percent	Percent	ZEAMA
Rating Date			May-27-20	May-27-20	May-27-20	PLOT -
Trt-Eval Interval						YIELD
PRM Data Type						LBS/PLOT
# Subsamples, Dec.						Aug-17-20
						125 DA-A
						TY1
						- 0
Trt	Treatment	Rate	Appl			
No.	Name	Rate Unit	Code	9	10	11
1	NTC			0.0 b	0.0 c	0.0 f
2	LAUDIS	3.0 oz/a	A	99.0 a	99.0 a	88.8 ab
	ATRAZINE	64.0 oz/a	A			
	MSO	1.0 % v/v	A			
3	LAUDIS	3.0 oz/a	A	99.0 a	98.0 ab	77.5 b-e
	ATRAZINE	64.0 oz/a	A			
	DUAL MAGNUM	16.0 oz/a	A			
	MSO	1.0 % v/v	A			
4	ROUNDUP WEATHERMAX	32.0 oz/a	A	99.0 a	99.0 a	75.0 de
	ATRAZINE	64.0 oz/a	A			
	PROWL H20	32.0 oz/a	A			
5	LAUDIS	3.0 oz/a	A	99.0 a	98.0 ab	87.5 abc
	ATRAZINE	64.0 oz/a	A			
	WARRANT	48.0 oz/a	A			
	MSO	1.0 % v/v	A			
6	LAUDIS	3.0 oz/a	A	99.0 a	98.0 ab	92.0 a
	ATRAZINE	64.0 oz/a	A			
	ZIDUA	2.5 oz/a	A			
	MSO	1.0 % v/v	A			
7	LAUDIS	3.0 oz/a	A	99.0 a	98.0 ab	80.0 a-e
	ATRAZINE	64.0 oz/a	A			
	OUTLOOK	12.8 oz/a	A			
	MSO	1.0 % v/v	A			
8	LAUDIS	3.0 oz/a	A	99.0 a	99.0 a	76.3 cde
	ATRAZINE	64.0 oz/a	A			
	ANTHEM MAX	3.0 oz/a	A			
	MSO	1.0 % v/v	A			
9	LAUDIS	3.0 oz/a	A	99.0 a	99.0 a	77.5 b-e
	ATRAZINE	64.0 oz/a	A			
	PROWL H20	32.0 oz/a	A			
	MSO	1.0 % v/v	A			
10	REALM Q	4.0 oz/a	A	99.0 a	98.0 ab	71.3 e
	ROUNDUP WEATHERMAX	32.0 oz/a	A			
11	ROUNDUP WEATHERMAX	32.0 oz/a	A	99.0 a	97.0 b	83.5 a-d
	REALM Q	4.0 oz/a	A			
	ATRAZINE	64.0 oz/a	A			
12	NTC			0.0 b	0.0 c	0.0 f
LSD P=.10				1.77	12.22	4.37
Standard Deviation			0.00	1.48	10.21	3.66
CV			0.0	1.81	15.14	7.36
Grand Mean			82.50	81.92	67.44	49.65
Levene's F			0.00	1.073	1.733	0.738
Levene's Prob(F)			0.00*	0.409	0.105	0.696
Replicate F			0.000	0.558	5.990	1.170
Replicate Prob(F)			1.0000	0.6467	0.0022	0.3359
Treatment F			0.000	2672.447	39.492	0.621
Treatment Prob(F)			1.0000	0.0001	0.0001	0.7978

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

Could not calculate LSD (% mean diff) for columns 4,6,7,8,9 because error mean square = 0.

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Weed Code

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

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

Leaf = LEAF / FOLIAGE

PRM Data Type

TY1 = 4.970922*[C12]

Weed Code				----- Zeama Leaf - Injury Percent Apr-21-20	Amapa ----- Control Percent Apr-28-20	Rapra ----- Control Percent Apr-21-20	Agrass ----- Control Percent Apr-21-20	----- Zeama INJURY - STUNTING Percent Apr-30-20	Amapa ----- Control Percent Apr-30-20	Rapra ----- Control Percent Apr-30-20
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code Plot		1	2	3	4	5	6	7
1 NTC		101		0.0	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	0.0
		305		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
		Mean =		0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 LAUDIS	3.0 oz/a A	102		0.0	99.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	207		0.0	99.0	99.0	99.0	5.0	99.0	99.0
MSO	1.0 % v/v A	310		0.0	99.0	99.0	99.0	0.0	99.0	99.0
		409		0.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		0.0	99.0	99.0	99.0	1.3	99.0	99.0
3 LAUDIS	3.0 oz/a A	103		10.0	99.0	99.0	99.0	5.0	99.0	99.0
ATRAZINE	64.0 oz/a A	212		10.0	99.0	99.0	99.0	5.0	99.0	99.0
DUAL MAGNUM	16.0 oz/a A	301		10.0	99.0	99.0	99.0	10.0	99.0	99.0
MSO	1.0 % v/v A	411		10.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		10.0	99.0	99.0	99.0	5.0	99.0	99.0
4 ROUNDUP WEATHERMAX	32.0 oz/a A	104		0.0	99.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	206		0.0	99.0	95.0	99.0	0.0	99.0	99.0
PROWL H20	32.0 oz/a A	308		0.0	99.0	99.0	99.0	5.0	99.0	99.0
		405		0.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		0.0	99.0	98.0	99.0	1.3	99.0	99.0
5 LAUDIS	3.0 oz/a A	105		0.0	0.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	203		5.0	99.0	99.0	99.0	0.0	99.0	99.0
WARRANT	48.0 oz/a A	307		5.0	99.0	99.0	99.0	5.0	99.0	99.0
MSO	1.0 % v/v A	403		5.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		3.8	74.3	99.0	99.0	1.3	99.0	99.0
6 LAUDIS	3.0 oz/a A	106		0.0	99.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	210		0.0	99.0	99.0	99.0	5.0	99.0	99.0
ZIDUA	2.5 oz/a A	303		0.0	99.0	99.0	99.0	10.0	99.0	99.0
MSO	1.0 % v/v A	407		0.0	99.0	99.0	99.0	5.0	99.0	99.0
		Mean =		0.0	99.0	99.0	99.0	5.0	99.0	99.0
7 LAUDIS	3.0 oz/a A	107		10.0	99.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	205		10.0	99.0	95.0	99.0	0.0	99.0	99.0
OUTLOOK	12.8 oz/a A	306		5.0	99.0	99.0	99.0	5.0	99.0	99.0
MSO	1.0 % v/v A	401		5.0	99.0	99.0	99.0	5.0	99.0	99.0
		Mean =		7.5	99.0	98.0	99.0	2.5	99.0	99.0
8 LAUDIS	3.0 oz/a A	108		15.0	99.0	99.0	99.0	5.0	99.0	99.0
ATRAZINE	64.0 oz/a A	204		15.0	99.0	99.0	99.0	0.0	99.0	99.0
ANTHEM MAX	3.0 oz/a A	311		15.0	99.0	99.0	99.0	5.0	99.0	99.0
MSO	1.0 % v/v A	412		15.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		15.0	99.0	99.0	99.0	2.5	99.0	99.0
9 LAUDIS	3.0 oz/a A	109		5.0	99.0	99.0	99.0	0.0	99.0	99.0
ATRAZINE	64.0 oz/a A	208		0.0	99.0	99.0	99.0	5.0	99.0	99.0
PROWL H20	32.0 oz/a A	309		0.0	99.0	99.0	99.0	5.0	99.0	99.0
MSO	1.0 % v/v A	402		0.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		1.3	99.0	99.0	99.0	2.5	99.0	99.0
10 REALM Q	4.0 oz/a A	110		0.0	99.0	99.0	99.0	0.0	99.0	99.0
ROUNDUP WEATHERMAX	32.0 oz/a A	201		0.0	99.0	90.0	99.0	5.0	99.0	99.0
		312		0.0	99.0	99.0	99.0	5.0	99.0	99.0
		410		5.0	99.0	99.0	99.0	0.0	99.0	99.0
		Mean =		1.3	99.0	96.8	99.0	2.5	99.0	99.0

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LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES

Trial ID: CN-02-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	Amapa	Rapra	Agrass	-----	Amapa	Rapra	
Crop Code	Zeama	-----	-----	-----	Zeama	-----	-----	
Part Rated	Leaf -				INJURY -			
Rating Data Type	Injury	Control	Control	Control	STUNTING	Control	Control	
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date	Apr-21-20	Apr-28-20	Apr-21-20	Apr-21-20	Apr-30-20	Apr-30-20	Apr-30-20	
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								
Trt Treatment	Rate Appl							
No. Name	Rate Unit Code Plot	1	2	3	4	5	6	7
11 ROUNDUP WEATHERMAX	32.0 oz/a A 111	0.0	99.0	99.0	99.0	0.0	99.0	99.0
REALM Q	4.0 oz/a A 202	0.0	99.0	99.0	99.0	10.0	99.0	99.0
ATRAZINE	64.0 oz/a A 304	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	406	0.0	99.0	99.0	99.0	0.0	99.0	99.0
	Mean =	0.0	99.0	99.0	99.0	5.0	99.0	99.0
12 NTC	112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	408	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

University of Georgia

LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES

Trial ID: CN-02-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Agrass	Amapa	Agrass	Rapra	----- ZEAMA PLOT - YIELD LBS/PLOT Aug-17-20 125 DA-A	----- ZEAMA PLOT - YIELD BU Aug-17-20 125 DA-A TY1 - 0
Crop Code				Control Percent Apr-30-20	Control Percent May-27-20	Control Percent May-27-20	Control Percent May-27-20		
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot		8	9	10	11	12	13
1 NTC		101		0.0	0.0	0.0	0.0	42.0	209
		209		0.0	0.0	0.0	0.0	54.0	268
		305		0.0	0.0	0.0	0.0	52.0	258
		404		0.0	0.0	0.0	0.0	49.0	244
		Mean =		0.0	0.0	0.0	0.0	49.3	245
2 LAUDIS	3.0 oz/a	A 102		99.0	99.0	99.0	95.0	45.0	224
ATRAZINE	64.0 oz/a	A 207		99.0	99.0	99.0	90.0	54.0	268
MSO	1.0 % v/v	A 310		99.0	99.0	99.0	85.0	50.0	249
		409		99.0	99.0	99.0	85.0	48.0	239
		Mean =		99.0	99.0	99.0	88.8	49.3	245
3 LAUDIS	3.0 oz/a	A 103		99.0	99.0	99.0	95.0	50.0	249
ATRAZINE	64.0 oz/a	A 212		99.0	99.0	95.0	85.0	49.0	244
DUAL MAGNUM	16.0 oz/a	A 301		99.0	99.0	99.0	65.0	40.0	199
MSO	1.0 % v/v	A 411		99.0	99.0	99.0	65.0	51.0	254
		Mean =		99.0	99.0	98.0	77.5	47.5	236
4 ROUNDUP WEATHERMAX	32.0 oz/a	A 104		99.0	99.0	99.0	75.0	48.0	239
ATRAZINE	64.0 oz/a	A 206		99.0	99.0	99.0	90.0	54.0	268
PROWL H20	32.0 oz/a	A 308		99.0	99.0	99.0	50.0	51.0	254
		405		99.0	99.0	99.0	85.0	50.0	249
		Mean =		99.0	99.0	99.0	75.0	50.8	252
5 LAUDIS	3.0 oz/a	A 105		99.0	99.0	99.0	85.0	47.0	234
ATRAZINE	64.0 oz/a	A 203		99.0	99.0	99.0	95.0	54.0	268
WARRANT	48.0 oz/a	A 307		99.0	99.0	95.0	85.0	51.0	254
MSO	1.0 % v/v	A 403		99.0	99.0	99.0	85.0	53.0	263
		Mean =		99.0	99.0	98.0	87.5	51.3	255
6 LAUDIS	3.0 oz/a	A 106		99.0	99.0	99.0	95.0	50.0	249
ATRAZINE	64.0 oz/a	A 210		99.0	99.0	99.0	99.0	50.0	249
ZIDUA	2.5 oz/a	A 303		99.0	99.0	95.0	75.0	48.0	239
MSO	1.0 % v/v	A 407		99.0	99.0	99.0	99.0	49.0	244
		Mean =		99.0	99.0	98.0	92.0	49.3	245
7 LAUDIS	3.0 oz/a	A 107		99.0	99.0	99.0	75.0	53.0	263
ATRAZINE	64.0 oz/a	A 205		99.0	99.0	99.0	95.0	49.0	244
OUTLOOK	12.8 oz/a	A 306		99.0	99.0	99.0	75.0	49.0	244
MSO	1.0 % v/v	A 401		99.0	99.0	95.0	75.0	40.0	199
		Mean =		99.0	99.0	98.0	80.0	47.8	237
8 LAUDIS	3.0 oz/a	A 108		99.0	99.0	99.0	50.0	51.0	254
ATRAZINE	64.0 oz/a	A 204		99.0	99.0	99.0	95.0	53.0	263
ANTHEM MAX	3.0 oz/a	A 311		99.0	99.0	99.0	75.0	50.0	249
MSO	1.0 % v/v	A 412		99.0	99.0	99.0	85.0	51.0	254
		Mean =		99.0	99.0	99.0	76.3	51.3	255
9 LAUDIS	3.0 oz/a	A 109		99.0	99.0	99.0	65.0	56.0	278
ATRAZINE	64.0 oz/a	A 208		99.0	99.0	99.0	85.0	51.0	254
PROWL H20	32.0 oz/a	A 309		99.0	99.0	99.0	85.0	52.0	258
MSO	1.0 % v/v	A 402		99.0	99.0	99.0	75.0	50.0	249
		Mean =		99.0	99.0	99.0	77.5	52.3	260
10 REALM Q	4.0 oz/a	A 110		99.0	99.0	99.0	65.0	54.0	268
ROUNDUP WEATHERMAX	32.0 oz/a	A 201		99.0	99.0	95.0	85.0	45.0	224
		312		99.0	99.0	99.0	50.0	45.0	224
		410		99.0	99.0	99.0	85.0	52.0	258
		Mean =		99.0	99.0	98.0	71.3	49.0	244

University of Georgia

LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES

Trial ID: CN-02-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Agrass	Amapa	Agrass	Rapra	-----	-----
Crop Code				-----				ZEAMA	ZEAMA
Part Rated								PLOT -	PLOT -
Rating Data Type				Control	Control	Control	Control	YIELD	YIELD
Rating Unit				Percent	Percent	Percent	Percent	LBS/PLOT	BU
Rating Date				Apr-30-20	May-27-20	May-27-20	May-27-20	Aug-17-20	Aug-17-20
Trt-Eval Interval								125 DA-A	125 DA-A
PRM Data Type									TY1
# Subsamples, Dec.									- 0
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot		8	9	10	11	12	13
11 ROUNDUP WEATHERMAX	32.0 oz/a	A 111		99.0	99.0	95.0	85.0	53.0	263
REALM Q	4.0 oz/a	A 202		99.0	99.0	95.0	99.0	49.0	244
ATRAZINE	64.0 oz/a	A 304		99.0	99.0	99.0	65.0	46.0	229
		406		99.0	99.0	99.0	85.0	48.0	239
		Mean =		99.0	99.0	97.0	83.5	49.0	244
12 NTC		112		0.0	0.0	0.0	0.0	50.0	249
		211		0.0	0.0	0.0	0.0	50.0	249
		302		0.0	0.0	0.0	0.0	45.0	224
		408		0.0	0.0	0.0	0.0	52.0	258
		Mean =		0.0	0.0	0.0	0.0	49.3	245

University of Georgia

LAUDIS + ATRAZINE + MSO + OTHER GRASS HERBICIDES

Trial ID:	CN-02-20	Study Dir.:	KEITH RUCKER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code

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

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

Leaf = LEAF / FOLIAGE

PRM Data Type

TY1 = 4.970922*[C12]