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GRASS HERBICIDES WITH ROUNDUP + ATRAZINE POST IN FIELD CORN	
Trial ID: CN-02-18	Study Dir.:
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 to Measure	Product	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC									101	211	305	408
2	ROUNDUP P-MAX ATRAZINE	5.5 4	SL L	32.0 64.0	oz/a oz/a	POST POST	A A	25.0 mL/mx 49.99 mL/mx		102	208	311	407
3	ROUNDUP P-MAX ATRAZINE DUAL MAGNUM	5.5 4 7.62	SL L EC	32.0 64.0 16.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 49.99 mL/mx 12.5 mL/mx		103	204	306	403
4	ROUNDUP P-MAX ATRAZINE WARRANT	5.5 4 3	SL L ME	32.0 64.0 48.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 49.99 mL/mx 37.5 mL/mx		104	202	308	411
5	ROUNDUP P-MAX ATRAZINE ZIDUA	5.5 4 4.17	SL L SC	32.0 64.0 2.45	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 49.99 mL/mx 1.914 mL/mx		105	207	312	401
6	ROUNDUP P-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	25.0 mL/mx 49.99 mL/mx 25.0 mL/mx		106	210	303	410
7	ROUNDUP P-MAX ATRAZINE OUTLOOK	5.5 4 6	SL L EC	32.0 64.0 16.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 49.99 mL/mx 12.5 mL/mx		107	203	302	405
8	ROUNDUP P-MAX ATRAZINE ANTHEM	5.5 4 2.15	SL L SC	32.0 64.0 5.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 49.99 mL/mx 3.906 mL/mx		108	201	309	406
9	ROUNDUP P-MAX LIBERTY ATRAZINE	5.5 2.34 4	SL SL L	32.0 22.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 17.19 mL/mx 49.99 mL/mx		109	205	307	412
10	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4	SL SC L	32.0 3.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 2.343 mL/mx 49.99 mL/mx		110	212	304	409
11	ROUNDUP P-MAX STATUS ATRAZINE	5.5 61.1 4	SL WG L	32.0 5.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	25.0 mL/mx 3.745 g/mx 49.99 mL/mx		111	209	301	404
12	NTC									112	206	310	402

Sort Order: Treatment

Trial Comments

ANTHEM = PYROXASULFONE (2.087 LBS/GAL) + FLUTHIACET (0.063 LBS/GAL)

STATUS = DICAMBA-NA (44%) + DIFLUFENZOPYR (17.1%) + ISOXADIFEN

APRIL 21, 2018- POST APPLICATION- SUNRISE = 6:59 AM

HARVEST DATE: AUGUST 28

HARVEST MOSITURE: 15.05%

YIELDS ADJUSTED TO 15.5%

AGRASS = NON-UNIFORM MIXTURE OF ANNUAL GRASSES (TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, GOOSEGRASS)

SUMMARY:

- 1) ADDITIONS OF DUAL MAGNUM OR OUTLOOK TO ROUNDUP + ATRAZINE INCREASED CROP INJURY. OTHER GRASS HERBICIDES DID NOT (WARRANT, ZIDUA, PROWL, ANTHEM).
- 2) ALL TREATMENTS PROVIDED > 92% CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES. GRASS HERBICIDE ADDITIONS TO ROUNDUP + ATRAZINE DID NOT INCREASE CONTROL.
- 3) THE ONLY TREATMENT THAT RESULTED IN STATISTICALLY HIGHER YIELDS THAN THE NTC WAS ROUNDUP + ATRAZINE (225 BU/A VS. 180 BU/A).

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GRASS HERBICIDES WITH ROUNDUP + ATRAZINE
 POST IN FIELD CORN
 Trial ID: CN-02-18 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: _____ **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 TXPAN;CROW;CRAB;GOOSE
Weed 3. ARAHY VOLUNTEER PEANUT **4.** LAMAM HENBIT
Weed 5. RAPRA WILD RADISH **6.** IPOSP ANNUAL MG

Crop 1: ZEAMA FIELD CORN **Variety:** MYCOGEN 2C797 **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:** RACOBL
Trial Initiation Comments: _____

Previous: Crops Pesticides Year
1. PEANUT 2017 _____

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: 6.3 **CEC:** 2.6 **Soil Name:** DOTHAN **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	_____	0.50	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-21-18	_____	_____	_____	_____	_____	_____
Time of Day:	7:08 AM	_____	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____	_____
Application Timing:	POST	_____	_____	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	_____	_____	_____	_____	_____	_____
Air Temp., Unit:	55 F	_____	_____	_____	_____	_____	_____
% Relative Humidity:	48	_____	_____	_____	_____	_____	_____
Wind Velocity, Unit:	5 MPH	_____	_____	_____	_____	_____	_____
Dew Presence (Y/N):	N	_____	_____	_____	_____	_____	_____
Water Hardness:	--	_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	64 F	_____	_____	_____	_____	_____	_____
Soil Moisture:	OPTIM	_____	_____	_____	_____	_____	_____
% Cloud Cover:	50	_____	_____	_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA	_____	_____	_____	_____	_____	_____
Stage Scale:	V4:5-6LF	_____	_____	_____	_____	_____	_____
Height, Unit:	6 IN	_____	_____	_____	_____	_____	_____

		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 1-2"	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 3	Stage: ARAHY 1-3"	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 4	Stage: LAMAM 1"	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 5	Stage: RAPRA 1-3"	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____
Weed 6	Stage: IPOSP 1-2"	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	_____	_____	_____	_____	_____	_____
Density, Unit:	_____	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	39	_____	_____	_____	_____	_____	_____
Nozzle Type:	TTI60	_____	_____	_____	_____	_____	_____
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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GRASS HERBICIDES WITH ROUNDUP + ATRAZINE POST IN FIELD CORN							
Trial ID: CN-02-18		Study Dir.:					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	-----	AMAPA	AGRASS	-----	AMAPA	AGRASS	-----
Crop Code	ZEAMA	-----	-----	ZEAMA	-----	-----	ZEAMA
Part Rated	PLANT -	- P	-----	PLANT -	- P	-----	PLANT -
Rating Data Type	STUNTING	CONTROL	CONTROL	STUNTING	CONTROL	CONTROL	STUNTING
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Apr-27-18	Apr-27-18	Apr-27-18	May-11-18	May-11-18	May-11-18	Jun-5-18
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-A	20 DA-A	20 DA-A	20 DA-A	45 DA-A
PRM Data Type							
# Subsamples, Dec.							
Trt No.	Treatment	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code
1	2	3	4	5	6	7	
1	NTC						
2	ROUNDUP P-MAX ATRAZINE	5.5 4 L	SL L	32.0 oz/a 64.0 oz/a	POST A POST A		
3	ROUNDUP P-MAX ATRAZINE DUAL MAGNUM	5.5 4 L 7.62	SL L EC	32.0 oz/a 64.0 oz/a 16.0 oz/a	POST A POST A POST A		
4	ROUNDUP P-MAX ATRAZINE WARRANT	5.5 4 L 3	SL L ME	32.0 oz/a 64.0 oz/a 48.0 oz/a	POST A POST A POST A		
5	ROUNDUP P-MAX ATRAZINE ZIDUA	5.5 4 L 4.17	SL L SC	32.0 oz/a 64.0 oz/a 2.45 oz/a	POST A POST A POST A		
6	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 L 3.8	SL L SC	32.0 oz/a 64.0 oz/a 32.0 oz/a	POST A POST A POST A		
7	ROUNDUP P-MAX ATRAZINE OUTLOOK	5.5 4 L 6	SL L EC	32.0 oz/a 64.0 oz/a 16.0 oz/a	POST A POST A POST A		
8	ROUNDUP P-MAX ATRAZINE ANTHEM	5.5 4 L 2.15	SL L SC	32.0 oz/a 64.0 oz/a 5.0 oz/a	POST A POST A POST A		
9	ROUNDUP P-MAX LIBERTY ATRAZINE	5.5 2.34 4 L	SL SL L	32.0 oz/a 22.0 oz/a 64.0 oz/a	POST A POST A POST A		
10	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4 L	SL SC L	32.0 oz/a 3.0 oz/a 64.0 oz/a	POST A POST A POST A		
11	ROUNDUP P-MAX STATUS ATRAZINE	5.5 61.1 4 L	SL WG L	32.0 oz/a 5.0 oz/a 64.0 oz/a	POST A POST A POST A		
12	NTC						
	Tukey's HSD P=.10	9.58	.	11.17	6.91	.	1.88
	Standard Deviation	4.23	0.00	4.93	3.05	0.00	0.83
	CV	106.78	0.0	6.12	112.48	0.0	1.01
	Grand Mean	3.96	82.50	80.56	2.71	82.50	82.33
	Levene's F	1.079	0.00	0.564	0.315	0.00	0.00
	Levene's Prob(F)	0.404	0.00*	0.845	0.978	0.00*	0.00*
	Replicate F	6.025	0.000	0.671	9.204	0.000	0.647
	Replicate Prob(F)	0.0022	1.0000	0.5761	0.0001	1.0000	0.5904
	Treatment F	1.961	0.000	233.523	3.286	0.000	8613.883
	Treatment Prob(F)	0.0666	1.0000	0.0001	0.0039	1.0000	0.0001

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 2,5,7,8 because error mean square = 0.

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Weed Code						AMAPA	AGRASS	-----	-----		
Crop Code						-----	-----	ZEAMA	ZEAMA		
Part Rated						- P		PLOT C	PLOT C		
Rating Data Type						CONTROL	CONTROL	YIELD	YIELD		
Rating Unit						PERCENT	PERCENT	LBS/PLOT	BU/A		
Rating Date						Jun-5-18	Jun-5-18	Aug-28-18	Aug-28-18		
Trt-Eval Interval						45 DA-A	45 DA-A	129 DA-A	129 DA-A		
PRM Data Type									TY1		
# Subsamples, Dec.									- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	8	9	10	11
1	NTC							0.0 b	0.0 b	39.0 ab	203 ab
2	ROUNDUP P-MAX ATRAZINE	5.5 4	SL L	32.0 64.0	oz/a oz/a	POST POST	A A	99.0 a	95.0 a	43.3 a	225 a
3	ROUNDUP P-MAX ATRAZINE DUAL MAGNUM	5.5 4 7.62	SL L EC	32.0 64.0 16.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	40.0 ab	209 ab
4	ROUNDUP P-MAX ATRAZINE WARRANT	5.5 4 3	SL L ME	32.0 64.0 48.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	41.5 ab	216 ab
5	ROUNDUP P-MAX ATRAZINE ZIDUA	5.5 4 4.17	SL L SC	32.0 64.0 2.45	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	42.8 ab	223 ab
6	ROUNDUP P-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	99.0 a	95.0 a	40.5 ab	211 ab
7	ROUNDUP P-MAX ATRAZINE OUTLOOK	5.5 4 6	SL L EC	32.0 64.0 16.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	41.8 ab	218 ab
8	ROUNDUP P-MAX ATRAZINE ANTHEM	5.5 4 2.15	SL L SC	32.0 64.0 5.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	41.8 ab	218 ab
9	ROUNDUP P-MAX LIBERTY ATRAZINE	5.5 2.34 4	SL SL L	32.0 22.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	92.5 a	40.3 ab	210 ab
10	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4	SL SC L	32.0 3.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	40.5 ab	211 ab
11	ROUNDUP P-MAX STATUS ATRAZINE	5.5 61.1 4	SL WG L	32.0 5.0 64.0	oz/a oz/a oz/a	POST POST POST	A A A	99.0 a	95.0 a	42.5 ab	222 ab
12	NTC							0.0 b	0.0 b	34.5 b	180 b
Tukey's HSD P=.10						.	3.27	8.28	43.2		
Standard Deviation						0.00	1.44	3.65	19.1		
CV						0.0	1.83	8.98	8.98		
Grand Mean						82.50	78.96	40.69	212.1		
Levene's F						0.00		0.728	0.728		
Levene's Prob(F)						0.00*		0.704	0.704		
Replicate F						0.000	1.000	0.800	0.800		
Replicate Prob(F)						1.0000	0.4051	0.5026	0.5026		
Treatment F						0.000	2612.637	1.604	1.604		
Treatment Prob(F)						1.0000	0.0001	0.1436	0.1436		

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 2,5,7,8 because error mean square = 0.

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GRASS HERBICIDES WITH ROUNDUP + ATRAZINE
POST IN FIELD CORN
Trial ID: CN-02-18 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
P = Pest is Part Rated
C = Crop is Part Rated
PRM Data Type
TY1 = 5.21333*[10]

University of Georgia

GRASS HERBICIDES WITH ROUNDUP + ATRAZINE
 POST IN FIELD CORN
 Trial ID: CN-02-18 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

					----- ZEAMA PLANT - STUNTING PERCENT Apr-27-18 6 DA-A	AMAPA - P CONTROL PERCENT Apr-27-18 6 DA-A	AGRASS ----- CONTROL PERCENT Apr-27-18 6 DA-A	----- ZEAMA PLANT - STUNTING PERCENT May-11-18 20 DA-A	AMAPA - P CONTROL PERCENT May-11-18 20 DA-A	AGRASS ----- CONTROL PERCENT May-11-18 20 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
1	NTC					101		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
						305		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
						Mean =		0.0	0.0	0.0	0.0	0.0	0.0
2	ROUNDUP P-MAX ATRAZINE	5.5 SL	32.0 oz/a	POST A	102		0.0	99.0	95.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	208		0.0	99.0	99.0	0.0	99.0	99.0	
						311		0.0	99.0	95.0	0.0	99.0	99.0
						407		0.0	99.0	95.0	0.0	99.0	99.0
						Mean =		0.0	99.0	96.0	0.0	99.0	99.0
3	ROUNDUP P-MAX ATRAZINE DUAL MAGNUM	5.5 SL	32.0 oz/a	POST A	103		10.0	99.0	95.0	5.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	204		10.0	99.0	99.0	10.0	99.0	99.0	
		7.62 EC	16.0 oz/a	POST A	306		0.0	99.0	99.0	10.0	99.0	99.0	
						403		10.0	99.0	95.0	10.0	99.0	99.0
						Mean =		7.5	99.0	97.0	8.8	99.0	99.0
4	ROUNDUP P-MAX ATRAZINE WARRANT	5.5 SL	32.0 oz/a	POST A	104		0.0	99.0	99.0	0.0	99.0	95.0	
		4 L	64.0 oz/a	POST A	202		0.0	99.0	99.0	0.0	99.0	99.0	
		3 ME	48.0 oz/a	POST A	308		0.0	99.0	99.0	0.0	99.0	99.0	
						411		10.0	99.0	99.0	10.0	99.0	99.0
						Mean =		2.5	99.0	99.0	2.5	99.0	98.0
5	ROUNDUP P-MAX ATRAZINE ZIDUA	5.5 SL	32.0 oz/a	POST A	105		0.0	99.0	99.0	5.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	207		0.0	99.0	99.0	0.0	99.0	99.0	
		4.17 SC	2.45 oz/a	POST A	312		10.0	99.0	85.0	0.0	99.0	99.0	
						401		10.0	99.0	99.0	0.0	99.0	99.0
						Mean =		5.0	99.0	95.5	1.3	99.0	99.0
6	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 SL	32.0 oz/a	POST A	106		0.0	99.0	75.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	210		0.0	99.0	99.0	0.0	99.0	99.0	
		3.8 SC	32.0 oz/a	POST A	303		0.0	99.0	99.0	0.0	99.0	99.0	
						410		15.0	99.0	99.0	10.0	99.0	99.0
						Mean =		3.8	99.0	93.0	2.5	99.0	99.0
7	ROUNDUP P-MAX ATRAZINE OUTLOOK	5.5 SL	32.0 oz/a	POST A	107		10.0	99.0	99.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	203		0.0	99.0	99.0	10.0	99.0	99.0	
		6 EC	16.0 oz/a	POST A	302		10.0	99.0	99.0	10.0	99.0	99.0	
						405		10.0	99.0	90.0	10.0	99.0	99.0
						Mean =		7.5	99.0	96.8	7.5	99.0	99.0
8	ROUNDUP P-MAX ATRAZINE ANTHEM	5.5 SL	32.0 oz/a	POST A	108		10.0	99.0	99.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	201		0.0	99.0	99.0	0.0	99.0	99.0	
		2.15 SC	5.0 oz/a	POST A	309		0.0	99.0	99.0	0.0	99.0	99.0	
						406		10.0	99.0	85.0	10.0	99.0	99.0
						Mean =		5.0	99.0	95.5	2.5	99.0	99.0
9	ROUNDUP P-MAX LIBERTY ATRAZINE	5.5 SL	32.0 oz/a	POST A	109		10.0	99.0	99.0	0.0	99.0	99.0	
		2.34 SL	22.0 oz/a	POST A	205		0.0	99.0	99.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	307		10.0	99.0	95.0	0.0	99.0	99.0	
						412		10.0	99.0	99.0	10.0	99.0	95.0
						Mean =		7.5	99.0	98.0	2.5	99.0	98.0
10	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 SL	32.0 oz/a	POST A	110		0.0	99.0	99.0	0.0	99.0	99.0	
		3.5 SC	3.0 oz/a	POST A	212		10.0	99.0	95.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	304		0.0	99.0	99.0	0.0	99.0	99.0	
						409		15.0	99.0	99.0	10.0	99.0	99.0
						Mean =		6.3	99.0	98.0	2.5	99.0	99.0
11	ROUNDUP P-MAX STATUS ATRAZINE	5.5 SL	32.0 oz/a	POST A	111		0.0	99.0	99.0	0.0	99.0	99.0	
		61.1 WG	5.0 oz/a	POST A	209		0.0	99.0	99.0	0.0	99.0	99.0	
		4 L	64.0 oz/a	POST A	301		0.0	99.0	99.0	0.0	99.0	99.0	
						404		10.0	99.0	95.0	10.0	99.0	99.0
						Mean =		2.5	99.0	98.0	2.5	99.0	99.0

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	----- ZEAMA PLANT - STUNTING PERCENT Apr-27-18 6 DA-A	AMAPA ----- - P CONTROL PERCENT Apr-27-18 6 DA-A	AGRASS ----- CONTROL PERCENT Apr-27-18 6 DA-A	----- ZEAMA PLANT - STUNTING PERCENT May-11-18 20 DA-A	AMAPA ----- - P CONTROL PERCENT May-11-18 20 DA-A	AGRASS ----- CONTROL PERCENT May-11-18 20 DA-A						
Trt Treatment	Form	Form	Rate	Grow	Appl							
No. Name	Conc	Type	Rate	Unit	Stg	Code Plot						
						1						
						2						
						3						
						4						
						5						
						6						
12 NTC						112	0.0	0.0	0.0	0.0	0.0	0.0
						206	0.0	0.0	0.0	0.0	0.0	0.0
						310	0.0	0.0	0.0	0.0	0.0	0.0
						402	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

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Weed Code						-----	AMAPA	AGRASS	-----	-----		
Crop Code						ZEAMA	- P	-----	ZEAMA	ZEAMA		
Part Rated						PLANT -	- P	-----	PLOT C	PLOT C		
Rating Data Type						STUNTING	CONTROL	CONTROL	YIELD	YIELD		
Rating Unit						PERCENT	PERCENT	PERCENT	LBS/PLOT	BU/A		
Rating Date						Jun-5-18	Jun-5-18	Jun-5-18	Aug-28-18	Aug-28-18		
Trt-Eval Interval						45 DA-A	45 DA-A	45 DA-A	129 DA-A	129 DA-A		
PRM Data Type										TY1		
# Subsamples, Dec.										- 0		
Trt No.	Treatment	Form	Form	Rate	Grow	Appl						
		Conc	Type	Rate	Unit	Stg	Code	Plot				
									7	8		
									9	10		
									11			
1	NTC						101	0.0	0.0	0.0	36.0	188
							211	0.0	0.0	0.0	36.0	188
							305	0.0	0.0	0.0	40.0	209
							408	0.0	0.0	0.0	44.0	229
							Mean =	0.0	0.0	0.0	39.0	203
2	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	102	0.0	99.0	95.0	40.0	209
	ATRAZINE	4	L	64.0	oz/a	POST A	208	0.0	99.0	95.0	44.0	229
							311	0.0	99.0	95.0	43.0	224
							407	0.0	99.0	95.0	46.0	240
							Mean =	0.0	99.0	95.0	43.3	225
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	103	0.0	99.0	95.0	41.0	214
	ATRAZINE	4	L	64.0	oz/a	POST A	204	0.0	99.0	95.0	41.0	214
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	306	0.0	99.0	95.0	36.0	188
							403	0.0	99.0	95.0	42.0	219
							Mean =	0.0	99.0	95.0	40.0	209
4	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	104	0.0	99.0	95.0	40.0	209
	ATRAZINE	4	L	64.0	oz/a	POST A	202	0.0	99.0	95.0	43.0	224
	WARRANT	3	ME	48.0	oz/a	POST A	308	0.0	99.0	95.0	44.0	229
							411	0.0	99.0	95.0	39.0	203
							Mean =	0.0	99.0	95.0	41.5	216
5	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	105	0.0	99.0	95.0	40.0	209
	ATRAZINE	4	L	64.0	oz/a	POST A	207	0.0	99.0	95.0	45.0	235
	ZIDUA	4.17	SC	2.45	oz/a	POST A	312	0.0	99.0	95.0	37.0	193
							401	0.0	99.0	95.0	49.0	255
							Mean =	0.0	99.0	95.0	42.8	223
6	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	106	0.0	99.0	95.0	35.0	182
	ATRAZINE	4	L	64.0	oz/a	POST A	210	0.0	99.0	95.0	43.0	224
	PROWL H20	3.8	SC	32.0	oz/a	POST A	303	0.0	99.0	95.0	42.0	219
							410	0.0	99.0	95.0	42.0	219
							Mean =	0.0	99.0	95.0	40.5	211
7	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	107	0.0	99.0	95.0	46.0	240
	ATRAZINE	4	L	64.0	oz/a	POST A	203	0.0	99.0	95.0	40.0	209
	OUTLOOK	6	EC	16.0	oz/a	POST A	302	0.0	99.0	95.0	41.0	214
							405	0.0	99.0	95.0	40.0	209
							Mean =	0.0	99.0	95.0	41.8	218
8	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	108	0.0	99.0	95.0	42.0	219
	ATRAZINE	4	L	64.0	oz/a	POST A	201	0.0	99.0	95.0	44.0	229
	ANTHEM	2.15	SC	5.0	oz/a	POST A	309	0.0	99.0	95.0	43.0	224
							406	0.0	99.0	95.0	38.0	198
							Mean =	0.0	99.0	95.0	41.8	218
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	109	0.0	99.0	95.0	40.0	209
	LIBERTY	2.34	SL	22.0	oz/a	POST A	205	0.0	99.0	95.0	41.0	214
	ATRAZINE	4	L	64.0	oz/a	POST A	307	0.0	99.0	95.0	44.0	229
							412	0.0	99.0	85.0	36.0	188
							Mean =	0.0	99.0	92.5	40.3	210
10	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	110	0.0	99.0	95.0	42.0	219
	LAUDIS	3.5	SC	3.0	oz/a	POST A	212	0.0	99.0	95.0	33.0	172
	ATRAZINE	4	L	64.0	oz/a	POST A	304	0.0	99.0	95.0	42.0	219
							409	0.0	99.0	95.0	45.0	235
							Mean =	0.0	99.0	95.0	40.5	211
11	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST A	111	0.0	99.0	95.0	43.0	224
	STATUS	61.1	WG	5.0	oz/a	POST A	209	0.0	99.0	95.0	42.0	219
	ATRAZINE	4	L	64.0	oz/a	POST A	301	0.0	99.0	95.0	44.0	229
							404	0.0	99.0	95.0	41.0	214
							Mean =	0.0	99.0	95.0	42.5	222

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	----- ZEAMA PLANT - STUNTING PERCENT Jun-5-18 45 DA-A	AMAPA ----- - P CONTROL PERCENT Jun-5-18 45 DA-A	AGRASS ----- CONTROL PERCENT Jun-5-18 45 DA-A	----- ZEAMA PLOT C YIELD LBS/PLOT Aug-28-18 129 DA-A	----- ZEAMA PLOT C YIELD BU/A Aug-28-18 129 DA-A TY1 - 0					
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg					
					Code Plot					
					7					
					8					
					9					
					10					
					11					
12 NTC					112	0.0	0.0	0.0	33.0	172
					206	0.0	0.0	0.0	28.0	146
					310	0.0	0.0	0.0	37.0	193
					402	0.0	0.0	0.0	40.0	209
					Mean =	0.0	0.0	0.0	34.5	180

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GRASS HERBICIDES WITH ROUNDUP + ATRAZINE
POST IN FIELD CORN
Trial ID: CN-02-18 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

P = Pest is Part Rated

C = Crop is Part Rated

PRM Data Type

TY1 = 5.21333*[10]