

University of Georgia

FIELD CORN WEED CONTROL WITH BAYER HERBICIDES

Trial ID: CN-09B-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3
1	NTC							-	101	210	304
2	WARRANT ATRAZINE	3 ME 4 L		48.0 oz/a 64.0 oz/a	PRE PRE	A A	37.5 mL/mx 49.99 mL/mx	1412.5 mL	102	207	313
3	CORVUS ATRAZINE	2.63 SC 4 L		5.6 oz/a 32.0 oz/a	PRE PRE	A A	4.375 mL/mx 25.0 mL/mx	1470.6 mL	103	213	314
4	CORVUS ATRAZINE WARRANT	2.63 SC 4 L 3 ME		5.6 oz/a 32.0 oz/a 48.0 oz/a	PRE PRE PRE	A A A	4.375 mL/mx 25.0 mL/mx 37.5 mL/mx	1433.1 mL	104	214	311
5	ACURON	3.44 SC		80.0 oz/a	PRE	A	62.49 mL/mx	1437.5 mL	105	204	312
6	ROUNDUP P-MAX II WARRANT ATRAZINE N-PAK AMS	5.5 SL 3 ME 4 L		32.0 oz/a 48.0 oz/a 32.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST	B B B B	25.0 mL/mx 37.5 mL/mx 25.0 mL/mx 37.5 mL/mx	1375 mL	106	209	307
7	ROUNDUP P-MAX II HARNESS MAX ATRAZINE N-PAK AMS	5.5 SL 3.85 SC 4 L		32.0 oz/a 40.0 oz/a 32.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST	B B B B	25.0 mL/mx 31.25 mL/mx 25.0 mL/mx 37.5 mL/mx	1381.3 mL	107	203	302
8	ROUNDUP P-MAX II CAPRENO ATRAZINE N-PAK AMS	5.5 SL 3.45 SC 4 L		32.0 oz/a 3.0 oz/a 32.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST	B B B B	25.0 mL/mx 2.343 mL/mx 25.0 mL/mx 37.5 mL/mx	1410.2 mL	108	211	306
9	ROUNDUP P-MAX II CAPRENO ATRAZINE WARRANT N-PAK AMS	5.5 SL 3.45 SC 4 L 3 ME		32.0 oz/a 3.0 oz/a 32.0 oz/a 48.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	25.0 mL/mx 2.343 mL/mx 25.0 mL/mx 37.5 mL/mx 37.5 mL/mx	1372.7 mL	109	206	303
10	ROUNDUP P-MAX II LAUDIS ATRAZINE N-PAK AMS	5.5 SL 3.5 SC 4 L		32.0 oz/a 3.0 oz/a 32.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST	B B B B	25.0 mL/mx 2.343 mL/mx 25.0 mL/mx 37.5 mL/mx	1410.2 mL	110	208	305
11	ROUNDUP P-MAX II LAUDIS ATRAZINE WARRANT N-PAK AMS	5.5 SL 3.5 SC 4 L 3 ME		32.0 oz/a 3.0 oz/a 32.0 oz/a 48.0 oz/a 2.5 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	25.0 mL/mx 2.343 mL/mx 25.0 mL/mx 37.5 mL/mx 37.5 mL/mx	1372.7 mL	111	201	308
12	HALEX GT ATRAZINE NIS N-PAK AMS	4.39 SC 4 L		58.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	EPOST EPOST EPOST EPOST	B B B B	45.31 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1388.4 mL	112	202	301
13	ROUNDUP P-MAX II ATRAZINE PROWL H20	5.5 SL 4 L 3.8 SC		32.0 oz/a 64.0 oz/a 32.0 oz/a	EPOST EPOST EPOST	B B B	25.0 mL/mx 49.99 mL/mx 25.0 mL/mx	1400.0 mL	113	205	309
14	NTC	5.5 SL		32.0 oz/a	EPOST	B	25.0 mL/mx	1475 mL	114	212	310

Sort Order: Replicate 1

Trial Comments

NIS = INDUCE

HARNESS MAX = ACETOCHLOR (3.52 LBS/GAL) + MEOSTRIONE (0.33 LBS/GAL)

CORVUS = THIENCARBAZONE (0.75 LBS/GAL) + ISOXAFLUTOLE (1.88 LBS/GAL)

ACURON = ATRAZINE (1.0 LBS/GAL) + BICYCLOPYRONE (0.06 LBS/GAL) + MESOTRIONE (0.24 LBS/GAL) + S-METOLACHLOR (2.14 LBS/GAL)

CAPRENO = THIENCARBAZONE (0.57 LBS/GAL) + TEMBOTRIONE (2.88 LBS/GAL)

LAST TILLAGE: APRIL 8

HARVEST MOISTURE: 19.97%

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YIELDS ADJUSTED TO 15.5% MOISTURE.

MISSING YIELD DATA IN PLOT#114 DUE TO EXCESSIVE WEED GROWTH WHICH PREVENTED MECHANICAL HARVESTING.
 MISSING YIELD DATA IN PLOT# 214 DUE TO OPERATOR ERROR.

SUMMARY:

- 1) PRE APPLICATIONS OF CORVUS CAUSED SIGNIFICANT CORN INJURY (STUNTING AND LEAF CHLOROSIS).
- 2) POST APPLICATIONS OF ROUNDUP + HARNESS MAX + ATRAZINE AND ROUNDUP + CAPRENO + ATRAZINE WERE MORE INJURIOUS THAN OTHER POST TREATMENTS.
- 3) ON JUNE 16 (68 DAP) THE FOLLOWING WEED CONTROL OBSERVATIONS WERE MADE:
 - A) ALL TREATMENTS PROVIDED EXCELLENT CONTROL (>96%) OF PALMER AMARANTH EXCEPT PRE APPLIED CORVUS + ATRAZINE (75% CONTROL).
 - B) ALL TREATMENTS PROVIDED AT LEAST 83% CONTROL OF WILD RADISH EXCEPT PRE APPLIED WARRANT + ATRAZINE (70% CONTROL).
 - C) ALL TREATMENT PROVIDED AT LEAST 90% CONTROL OF ANNUAL GRASSES.
- 4) GENERALLY, ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC PLOTS. YIELDS FROM CORVUS TREATED PLOTS WERE LOWER THAN A FEW OTHER TREATMENTS BUT NOT ALL. SOME OTHER YIELD DIFFERENCES BETWEEN TREATMENTS WERE OBSERVED.

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 GOOSE:CROW:CRAB:TX PANICUM
 Weed 3. RAPRA WILD RADISH 4. _____
 Crop 1: ZEAMA FIELD CORN Variety: DKC 6208 Planting Date: Apr-9-20
 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: 3
 Site Type: _____
 Tillage Type: CONVENTIONAL Study Design: RACOB
 Trial Initiation Comments: 1 TON/A LIME - PREPLANT; 800 LBS/A 5-15-30 PREPLANT;
 254 LBS/A NITROGEN SIDEDRESS IN 2 APPS; AXILO-BMZ @ 2 LBS/A POST

Previous: Crops Pesticides Year
 1. SOYBEAN _____ 2019

MAINTENANCE

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

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SOIL DESCRIPTION

Texture: SAND % OM: 0.82 % Sand: 96 % Silt: 2 % Clay: 2
 pH: 6.0 CEC: 2.9 Soil Name: TIFTON Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-8-20		0.3		IN RAINFALL		
2. Apr-13-20		0.9		IN RAINFALL		
3. Apr-18-20		0.04		IN RAINFALL		
4. Apr-19-20		0.80		IN RAINFALL		
5. Apr-20-20		0.65		IN RAINFALL		
6. Apr-23-20		2.4		IN RAINFALL		
7. Apr-30-20		0.9		IN RAINFALL		
8. May-7-20		0.5		IN SPRINKLER - LATERAL MOVE		
9. May-14-20		0.5		IN SPRINKLER - LATERAL MOVE		
10. May-15-20		0.35		IN SPRINKLER - LATERAL MOVE		
11. May-17-20		0.11		IN RAINFALL		
12. May-20-20		1.3		IN RAINFALL		
13. May-22-20		1.2		IN RAINFALL		
14. May-26-20		0.26		IN RAINFALL		
15. May-28-20		0.41		IN RAINFALL		
16. May-29-20		0.19		IN RAINFALL		
17. Jun-1-20		0.5		IN SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station: Distance: Unit:

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Apr-11-20	Apr-29-20				
Time of Day:	7:30 am	7:30 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	PRE	EPOST				
Applic. Placement:	SOIL	FOLIAGE				
Air Temp., Unit:	42 F	62 F				
% Relative Humidity:	79	85				
Wind Velocity, Unit:	1 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Water Hardness:	--	--				
Soil Temp., Unit:	57 F	68 F				
Soil Moisture:	OPTIMUM	OPTIMUM				
% Cloud Cover:	0	100				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage: ZEAMA						
Stage Scale:		V4-V5;6"				
Height, Unit:						

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Stage: AMAPA		0.5-2"				
Stage Scale:						
Density, Unit:						
Weed 2 Stage: AGRASS		1-2"				
Stage Scale:						
Density, Unit:						
Weed 3 Stage: RAPRA		1-4"				
Stage Scale:						
Density, Unit:						

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		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	30	42					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	15	IN 20	IN				
Nozzles/Row:	2						
Band Width, Unit:							
Boom Length, Unit:	60	IN 60	IN				
Boom Height, Unit:	20	IN 20	IN				
Ground Speed, Unit:	3.5	MPH 3.5	MPH				
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA 15	GPA				
Spray pH:							
Propellant:	CO2	CO2					
Tank Mix (Y/N):	-	-	-	-	-	-	-
Trt No	Treatment Application Comment						

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Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code		-----	-----	RAPRA	AMAPA	-----	-----	AMAPA	RAPRA	
Crop Code		ZEAMA	ZEAMA	-----	-----	ZEAMA	ZEAMA	-----	-----	
Part Rated		-	-			-				
Rating Data Type		STUNTING	CHLORSIS	CONTROL	CONTROL	STUNTING	CHLORSIS	CONTROL	CONTROL	
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date		Apr-17-20	Apr-17-20	Apr-17-20	Apr-17-20	Apr-21-20	Apr-21-20	Apr-21-20	Apr-21-20	
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 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
2 WARRANT	48.0 oz/a	A	0.0 b	0.0 c	91.7 c	99.0 a	0.0 b	0.0 b	99.0 a	93.0 c
ATRAZINE	64.0 oz/a	A								
3 CORVUS	5.6 oz/a	A	10.0 a	36.7 b	96.3 b	99.0 a	11.7 a	21.7 a	99.0 a	96.3 b
ATRAZINE	32.0 oz/a	A								
4 CORVUS	5.6 oz/a	A	10.0 a	40.0 a	97.7 ab	99.0 a	11.7 a	21.7 a	99.0 a	95.0 bc
ATRAZINE	32.0 oz/a	A								
WARRANT	48.0 oz/a	A								
5 ACURON	80.0 oz/a	A	0.0 b	0.0 c	99.0 a	99.0 a	0.0 b	0.0 b	99.0 a	99.0 a
6 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
WARRANT	48.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
7 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
HARNESS MAX	40.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
8 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
CAPRENO	3.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
9 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
CAPRENO	3.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
WARRANT	48.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
10 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
LAUDIS	3.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
11 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
LAUDIS	3.0 oz/a	B								
ATRAZINE	32.0 oz/a	B								
WARRANT	48.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
12 HALEX GT	58.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
ATRAZINE	32.0 oz/a	B								
NIS	0.25 % v/v	B								
N-PAK AMS	2.5 % v/v	B								
13 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
ATRAZINE	64.0 oz/a	B								
PROWL H20	32.0 oz/a	B								
14 NTC	32.0 oz/a	B	0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 d
LSD P=.10				2.15	2.54		1.46	1.46		2.15
Standard Deviation			0.00	1.54	1.83	0.00	1.05	1.05	0.00	1.54
CV			0.0	28.18	6.64	0.0	62.9	33.87	0.0	5.63
Grand Mean			1.43	5.48	27.48	28.29	1.67	3.10	28.29	27.38
Levene's F			0.00		0.888	0.00	0.00	0.00	0.00	0.943
Levene's Prob(F)			0.00*		0.574	0.00*	0.00*	0.00*	0.00*	0.525
Replicate F			0.000	1.000	0.200	0.000	2.167	2.167	0.000	0.611
Replicate Prob(F)			1.0000	0.3816	0.8200	1.0000	0.1348	0.1348	1.0000	0.5502
Treatment F			0.000	244.692	1831.396	0.000	49.000	169.000	0.000	2550.998
Treatment Prob(F)			1.0000	0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	0.0001

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

Missing data estimates are included in columns: Yates=21,22

Could not calculate LSD (% mean diff) for columns 1,4,7,11,12,13,15 because error mean square = 0.

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Trial ID: CN-09B-20		Study Dir.: KEITH RUCKER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code			-----	-----	AMAPA	RAPRA	AGRASS	-----	AMAPA	RAPRA	AGRASS
Crop Code			ZEAMA	ZEAMA	-----	-----	-----	ZEAMA	-----	-----	-----
Part Rated				Leaf -				Plant -			
Rating Data Type			Stunting	Necrosis	Control	Control	Control	Stunting	Control	Control	Control
Rating Unit			Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date			May-6-20	May-6-20	May-6-20	May-6-20	May-6-20	May-21-20	May-21-20	May-21-20	May-21-20
PRM Data Type											
# Subsamples, Dec.											
Trt Treatment	Rate	Appl									
No. Name	Rate Unit	Code	9	10	11	12	13	14	15	16	17
1 NTC			0.0 d	0.0 c	0.0 b	0.0 b	0.0 b	0.0 d	0.0 b	0.0 c	0.0 c
2 WARRANT	48.0 oz/a	A	0.0 d	0.0 c	99.0 a	99.0 a	99.0 a	3.3 bcd	99.0 a	88.0 b	93.0 b
ATRAZINE	64.0 oz/a	A									
3 CORVUS	5.6 oz/a	A	21.7 a	0.0 c	99.0 a	99.0 a	99.0 a	6.7 b	99.0 a	96.0 a	99.0 a
ATRAZINE	32.0 oz/a	A									
4 CORVUS	5.6 oz/a	A	26.7 a	0.0 c	99.0 a	99.0 a	99.0 a	13.3 a	99.0 a	97.7 a	97.7 a
ATRAZINE	32.0 oz/a	A									
WARRANT	48.0 oz/a	A									
5 ACURON	80.0 oz/a	A	0.0 d	0.0 c	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
6 ROUNDUP P-MAX II	32.0 oz/a	B	1.7 cd	0.0 c	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
WARRANT	48.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
7 ROUNDUP P-MAX II	32.0 oz/a	B	3.3 bcd	10.0 a	99.0 a	99.0 a	99.0 a	1.7 cd	99.0 a	99.0 a	99.0 a
HARNESS MAX	40.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
8 ROUNDUP P-MAX II	32.0 oz/a	B	8.3 b	0.0 c	99.0 a	99.0 a	99.0 a	3.3 bcd	99.0 a	99.0 a	99.0 a
CAPRENO	3.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
9 ROUNDUP P-MAX II	32.0 oz/a	B	6.7 bc	3.3 b	99.0 a	99.0 a	99.0 a	5.0 bc	99.0 a	99.0 a	99.0 a
CAPRENO	3.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
WARRANT	48.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
10 ROUNDUP P-MAX II	32.0 oz/a	B	3.3 bcd	0.0 c	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
LAUDIS	3.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
11 ROUNDUP P-MAX II	32.0 oz/a	B	1.7 cd	0.0 c	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
LAUDIS	3.0 oz/a	B									
ATRAZINE	32.0 oz/a	B									
WARRANT	48.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
12 HALEX GT	58.0 oz/a	B	3.3 bcd	3.3 b	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
ATRAZINE	32.0 oz/a	B									
NIS	0.25 % v/v	B									
N-PAK AMS	2.5 % v/v	B									
13 ROUNDUP P-MAX II	32.0 oz/a	B	0.0 d	0.0 c	99.0 a	99.0 a	99.0 a	0.0 d	99.0 a	99.0 a	99.0 a
ATRAZINE	64.0 oz/a	B									
PROWL H20	32.0 oz/a	B									
14 NTC	32.0 oz/a	B	0.0 d	0.0 c	0.0 b	0.0 b	0.0 b	0.0 d	0.0 b	0.0 c	0.0 c
LSD P=.10			5.07	2.92	.	.	.	4.95	.	6.32	2.86
Standard Deviation			3.64	2.10	0.00	0.00	0.00	3.55	0.00	4.54	2.06
CV			66.54	176.11	0.0	0.0	0.0	149.31	0.0	5.42	2.44
Grand Mean			5.48	1.19	84.86	84.86	84.86	2.38	84.86	83.76	84.33
Levene's F			0.705	0.00	0.00	0.00	0.00	1.513	0.00	1.371	2.211
Levene's Prob(F)			0.743	0.00*	0.00*	0.00*	0.00*	0.174	0.00*	0.234	0.038*
Replicate F			7.710	2.167	0.000	0.000	0.000	0.188	0.000	0.556	0.563
Replicate Prob(F)			0.0023	0.1348	1.0000	1.0000	1.0000	0.8294	1.0000	0.5803	0.5761
Treatment F			15.876	5.375	0.000	0.000	0.000	3.522	0.000	184.593	907.780
Treatment Prob(F)			0.0001	0.0001	1.0000	1.0000	1.0000	0.0030	1.0000	0.0001	0.0001

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

Missing data estimates are included in columns: Yates=21,22

Could not calculate LSD (% mean diff) for columns 1,4,7,11,12,13,15 because error mean square = 0.

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Trial ID: CN-09B-20		Study Dir.: KEITH RUCKER				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		AMAPA	RAPRA	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-16-20	Jun-16-20	Jun-16-20	Aug-26-20	Aug-26-20
PRM Data Type						TY1
# Subsamples, Dec.						- 1
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code	18	19	20	21
1 NTC			0.0 c	0.0 d	0.0 e	23.0 e
2 WARRANT	48.0 oz/a	A	99.0 a	70.0 c	90.0 d	37.3 a
ATRAZINE	64.0 oz/a	A				190.2 a
3 CORVUS	5.6 oz/a	A	75.0 b	83.3 b	91.7 cd	31.3 cd
ATRAZINE	32.0 oz/a	A				159.7 cd
4 CORVUS	5.6 oz/a	A	99.0 a	91.3 ab	97.7 ab	32.2 bcd
ATRAZINE	32.0 oz/a	A				164.2 bcd
WARRANT	48.0 oz/a	A				
5 ACURON	80.0 oz/a	A	96.3 a	97.7 a	97.7 ab	32.3 a-d
						164.8 a-d
6 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	97.7 a	99.0 a	37.0 ab
WARRANT	48.0 oz/a	B				188.5 ab
ATRAZINE	32.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
7 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	94.3 ab	99.0 a	34.3 abc
HARNESSE MAX	40.0 oz/a	B				174.9 abc
ATRAZINE	32.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
8 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	99.0 a	96.3 ab	31.0 cd
CAPRENO	3.0 oz/a	B				158.0 cd
ATRAZINE	32.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
9 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	99.0 a	99.0 a	35.0 abc
CAPRENO	3.0 oz/a	B				178.3 abc
ATRAZINE	32.0 oz/a	B				
WARRANT	48.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
10 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	97.7 a	96.0 ab	36.7 ab
LAUDIS	3.0 oz/a	B				186.8 ab
ATRAZINE	32.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
11 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	96.0 a	99.0 a	33.0 a-d
LAUDIS	3.0 oz/a	B				168.2 a-d
ATRAZINE	32.0 oz/a	B				
WARRANT	48.0 oz/a	B				
N-PAK AMS	2.5 % v/v	B				
12 HALEX GT	58.0 oz/a	B	99.0 a	89.7 ab	94.7 bc	33.3 abc
ATRAZINE	32.0 oz/a	B				169.9 abc
NIS	0.25 % v/v	B				
N-PAK AMS	2.5 % v/v	B				
13 ROUNDUP P-MAX II	32.0 oz/a	B	99.0 a	94.7 ab	97.7 ab	31.0 cd
ATRAZINE	64.0 oz/a	B				158.0 cd
PROWL H20	32.0 oz/a	B				
14 NTC	32.0 oz/a	B	0.0 c	0.0 d	0.0 e	28.1 de
						143.0 de
LSD P=.10			8.63	12.54	4.27	5.11
Standard Deviation			6.20	9.00	3.07	3.66
CV			7.47	11.35	3.71	11.24
Grand Mean			82.95	79.31	82.69	32.54
Levene's F			2.914	1.253	0.806	0.595
Levene's Prob(F)			0.009*	0.297	0.65	0.836
Replicate F			0.800	0.290	0.488	3.045
Replicate Prob(F)			0.4602	0.7506	0.6193	0.0663
Treatment F			99.559	44.001	393.440	3.231
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0063

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

Missing data estimates are included in columns: Yates=21,22

Could not calculate LSD (% mean diff) for columns 1,4,7,11,12,13,15 because error mean square = 0.

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FIELD CORN WEED CONTROL WITH BAYER HERBICIDES										
Trial ID: CN-09B-20		Study Dir.: KEITH RUCKER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L. AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS. Part Rated Leaf = LEAF / FOLIAGE Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) C = Crop is Part Rated PRM Data Type TY1 = 5.095501*[21]										
Weed Code				-----	-----	RAPRA	AMAPA	-----	-----	AMAPA
Crop Code				ZEAMA	ZEAMA	-----	-----	ZEAMA	ZEAMA	-----
Part Rated				- C				- C		
Rating Data Type				STUNTING	CHLORSIS	CONTROL	CONTROL	STUNTING	CHLORSIS	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				Apr-17-20	Apr-17-20	Apr-17-20	Apr-17-20	Apr-21-20	Apr-21-20	Apr-21-20
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
			210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			304	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	WARRANT	48.0 oz/a	A 102	0.0	0.0	85.0	99.0	0.0	0.0	99.0
	ATRAZINE	64.0 oz/a	A 207	0.0	0.0	95.0	99.0	0.0	0.0	99.0
			313	0.0	0.0	95.0	99.0	0.0	0.0	99.0
			Mean =	0.0	0.0	91.7	99.0	0.0	0.0	99.0
3	CORVUS	5.6 oz/a	A 103	10.0	40.0	99.0	99.0	15.0	20.0	99.0
	ATRAZINE	32.0 oz/a	A 213	10.0	40.0	95.0	99.0	10.0	25.0	99.0
			314	10.0	30.0	95.0	99.0	10.0	20.0	99.0
			Mean =	10.0	36.7	96.3	99.0	11.7	21.7	99.0
4	CORVUS	5.6 oz/a	A 104	10.0	40.0	99.0	99.0	15.0	20.0	99.0
	ATRAZINE	32.0 oz/a	A 214	10.0	40.0	95.0	99.0	10.0	25.0	99.0
	WARRANT	48.0 oz/a	A 311	10.0	40.0	99.0	99.0	10.0	20.0	99.0
			Mean =	10.0	40.0	97.7	99.0	11.7	21.7	99.0
5	ACURON	80.0 oz/a	A 105	0.0	0.0	99.0	99.0	0.0	0.0	99.0
			204	0.0	0.0	99.0	99.0	0.0	0.0	99.0
			312	0.0	0.0	99.0	99.0	0.0	0.0	99.0
			Mean =	0.0	0.0	99.0	99.0	0.0	0.0	99.0
6	ROUNDUP P-MAX II	32.0 oz/a	B 106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WARRANT	48.0 oz/a	B 209	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	32.0 oz/a	B 307	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-PAK AMS	2.5 % v/v	B							
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	ROUNDUP P-MAX II	32.0 oz/a	B 107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HARNESS MAX	40.0 oz/a	B 203	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	32.0 oz/a	B 302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-PAK AMS	2.5 % v/v	B							
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	ROUNDUP P-MAX II	32.0 oz/a	B 108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CAPRENO	3.0 oz/a	B 211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	32.0 oz/a	B 306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-PAK AMS	2.5 % v/v	B							
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	ROUNDUP P-MAX II	32.0 oz/a	B 109	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CAPRENO	3.0 oz/a	B 206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	32.0 oz/a	B 303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WARRANT	48.0 oz/a	B							
	N-PAK AMS	2.5 % v/v	B							
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	ROUNDUP P-MAX II	32.0 oz/a	B 110	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LAUDIS	3.0 oz/a	B 208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	32.0 oz/a	B 305	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-PAK AMS	2.5 % v/v	B							
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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FIELD CORN WEED CONTROL WITH BAYER HERBICIDES										
Trial ID: CN-09B-20		Study Dir.: KEITH RUCKER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code				-----	-----	RAPRA	AMAPA	-----	-----	AMAPA
Crop Code				ZEAMA	ZEAMA	-----	-----	ZEAMA	ZEAMA	-----
Part Rated				- C				- C		
Rating Data Type				STUNTING	CHLORSIS	CONTROL	CONTROL	STUNTING	CHLORSIS	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				Apr-17-20	Apr-17-20	Apr-17-20	Apr-17-20	Apr-21-20	Apr-21-20	Apr-21-20
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code Plot		1	2	3	4	5	6	7
11 ROUNDUP P-MAX II	32.0 oz/a	B 111		0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAUDIS	3.0 oz/a	B 201		0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATRAZINE	32.0 oz/a	B 308		0.0	0.0	0.0	0.0	0.0	0.0	0.0
WARRANT	48.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
Mean =				0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 HALEX GT	58.0 oz/a	B 112		0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATRAZINE	32.0 oz/a	B 202		0.0	0.0	0.0	0.0	0.0	0.0	0.0
NIS	0.25 % v/v	B 301		0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-PAK AMS	2.5 % v/v	B								
Mean =				0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 ROUNDUP P-MAX II	32.0 oz/a	B 113		0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATRAZINE	64.0 oz/a	B 205		0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROWL H20	32.0 oz/a	B 309		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
14 NTC	32.0 oz/a	B 114		0.0	0.0	0.0	0.0	0.0	0.0	0.0
		212		0.0	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	0.0
Mean =				0.0	0.0	0.0	0.0	0.0	0.0	0.0

FIELD CORN WEED CONTROL WITH BAYER HERBICIDES			
Trial ID:	CN-09B-20	Study Dir.:	KEITH RUCKER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code				RAPRA	-----	-----	AMAPA	RAPRA	AGRASS	-----	AMAPA
Crop Code				-----	ZEAMA	ZEAMA	-----	-----	-----	ZEAMA	-----
Part Rated						Leaf -				Plant -	
Rating Data Type				CONTROL	Stunting	Necrosis	Control	Control	Control	Stunting	Control
Rating Unit				PERCENT	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date				Apr-21-20	May-6-20	May-6-20	May-6-20	May-6-20	May-6-20	May-21-20	May-21-20
PRM Data Type											
# Subsamples, Dec.											
Trt Treatment	Rate	Appl									
No. Name	Rate Unit	Code Plot		8	9	10	11	12	13	14	15
1 NTC			101	0.0	0.0	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	0.0	0.0
			304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 WARRANT	48.0 oz/a	A	102	90.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
ATRAZINE	64.0 oz/a	A	207	99.0	0.0	0.0	99.0	99.0	99.0	10.0	99.0
			313	90.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
			Mean =	93.0	0.0	0.0	99.0	99.0	99.0	3.3	99.0
3 CORVUS	5.6 oz/a	A	103	99.0	30.0	0.0	99.0	99.0	99.0	15.0	99.0
ATRAZINE	32.0 oz/a	A	213	95.0	20.0	0.0	99.0	99.0	99.0	5.0	99.0
			314	95.0	15.0	0.0	99.0	99.0	99.0	0.0	99.0
			Mean =	96.3	21.7	0.0	99.0	99.0	99.0	6.7	99.0
4 CORVUS	5.6 oz/a	A	104	95.0	30.0	0.0	99.0	99.0	99.0	15.0	99.0
ATRAZINE	32.0 oz/a	A	214	95.0	20.0	0.0	99.0	99.0	99.0	5.0	99.0
WARRANT	48.0 oz/a	A	311	95.0	30.0	0.0	99.0	99.0	99.0	20.0	99.0
			Mean =	95.0	26.7	0.0	99.0	99.0	99.0	13.3	99.0
5 ACURON	80.0 oz/a	A	105	99.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
			204	99.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
			312	99.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
			Mean =	99.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
6 ROUNDUP P-MAX II	32.0 oz/a	B	106	0.0	5.0	0.0	99.0	99.0	99.0	0.0	99.0
WARRANT	48.0 oz/a	B	209	0.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
ATRAZINE	32.0 oz/a	B	307	0.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
N-PAK AMS	2.5 % v/v	B									
			Mean =	0.0	1.7	0.0	99.0	99.0	99.0	0.0	99.0
7 ROUNDUP P-MAX II	32.0 oz/a	B	107	0.0	10.0	10.0	99.0	99.0	99.0	0.0	99.0
HARNESS MAX	40.0 oz/a	B	203	0.0	0.0	10.0	99.0	99.0	99.0	5.0	99.0
ATRAZINE	32.0 oz/a	B	302	0.0	0.0	10.0	99.0	99.0	99.0	0.0	99.0
N-PAK AMS	2.5 % v/v	B									
			Mean =	0.0	3.3	10.0	99.0	99.0	99.0	1.7	99.0
8 ROUNDUP P-MAX II	32.0 oz/a	B	108	0.0	15.0	0.0	99.0	99.0	99.0	5.0	99.0
CAPRENO	3.0 oz/a	B	211	0.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
ATRAZINE	32.0 oz/a	B	306	0.0	10.0	0.0	99.0	99.0	99.0	5.0	99.0
N-PAK AMS	2.5 % v/v	B									
			Mean =	0.0	8.3	0.0	99.0	99.0	99.0	3.3	99.0
9 ROUNDUP P-MAX II	32.0 oz/a	B	109	0.0	10.0	10.0	99.0	99.0	99.0	5.0	99.0
CAPRENO	3.0 oz/a	B	206	0.0	5.0	0.0	99.0	99.0	99.0	5.0	99.0
ATRAZINE	32.0 oz/a	B	303	0.0	5.0	0.0	99.0	99.0	99.0	5.0	99.0
WARRANT	48.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
			Mean =	0.0	6.7	3.3	99.0	99.0	99.0	5.0	99.0
10 ROUNDUP P-MAX II	32.0 oz/a	B	110	0.0	10.0	0.0	99.0	99.0	99.0	0.0	99.0
LAUDIS	3.0 oz/a	B	208	0.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
ATRAZINE	32.0 oz/a	B	305	0.0	0.0	0.0	99.0	99.0	99.0	0.0	99.0
N-PAK AMS	2.5 % v/v	B									
			Mean =	0.0	3.3	0.0	99.0	99.0	99.0	0.0	99.0

[illegible]

University of Georgia

FIELD CORN WEED CONTROL WITH BAYER HERBICIDES

Trial ID: CN-09B-20 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				RAPRA	AGRASS	AMAPA	RAPRA	AGRASS	ZEAMA	ZEAMA
Crop Code				-----	-----	-----	-----	-----	-----	-----
Part Rated										
Rating Data Type				Control	Control	Control	Control	Control	YIELD	YIELD
Rating Unit				Percent	Percent	Percent	Percent	Percent	LBS/PLOT	BU/A
Rating Date				May-21-20	May-21-20	Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20	Aug-26-20
PRM Data Type										TY1
# Subsamples, Dec.										- 1
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code Plot		16	17	18	19	20	21	22
1 NTC		101		0.0	0.0	0.0	0.0	0.0	16.0	81.5
		210		0.0	0.0	0.0	0.0	0.0	24.0	122.3
		304		0.0	0.0	0.0	0.0	0.0	29.0	147.8
		Mean =		0.0	0.0	0.0	0.0	0.0	23.0	117.2
2 WARRANT	48.0 oz/a	A 102		70.0	85.0	99.0	50.0	85.0	34.0	173.2
ATRAZINE	64.0 oz/a	A 207		99.0	95.0	99.0	95.0	90.0	39.0	198.7
		313		95.0	99.0	99.0	65.0	95.0	39.0	198.7
		Mean =		88.0	93.0	99.0	70.0	90.0	37.3	190.2
3 CORVUS	5.6 oz/a	A 103		99.0	99.0	95.0	95.0	95.0	33.0	168.2
ATRAZINE	32.0 oz/a	A 213		99.0	99.0	80.0	90.0	95.0	31.0	158.0
		314		90.0	99.0	50.0	65.0	85.0	30.0	152.9
		Mean =		96.0	99.0	75.0	83.3	91.7	31.3	159.7
4 CORVUS	5.6 oz/a	A 104		99.0	99.0	99.0	95.0	99.0	29.0	147.8
ATRAZINE	32.0 oz/a	A 214		95.0	99.0	99.0	80.0	95.0	33.6*	171.5*
WARRANT	48.0 oz/a	A 311		99.0	95.0	99.0	99.0	99.0	34.0	173.2
		Mean =		97.7	97.7	99.0	91.3	97.7	32.2	164.2
5 ACURON	80.0 oz/a	A 105		99.0	99.0	95.0	99.0	99.0	28.0	142.7
		204		99.0	99.0	95.0	95.0	95.0	37.0	188.5
		312		99.0	99.0	99.0	99.0	99.0	32.0	163.1
		Mean =		99.0	99.0	96.3	97.7	97.7	32.3	164.8
6 ROUNDUP P-MAX II	32.0 oz/a	B 106		99.0	99.0	99.0	99.0	99.0	38.0	193.6
WARRANT	48.0 oz/a	B 209		99.0	99.0	99.0	95.0	99.0	39.0	198.7
ATRAZINE	32.0 oz/a	B 307		99.0	99.0	99.0	99.0	99.0	34.0	173.2
N-PAK AMS	2.5 % v/v	B								
		Mean =		99.0	99.0	99.0	97.7	99.0	37.0	188.5
7 ROUNDUP P-MAX II	32.0 oz/a	B 107		99.0	99.0	99.0	99.0	99.0	34.0	173.2
HARNESS MAX	40.0 oz/a	B 203		99.0	99.0	99.0	85.0	99.0	37.0	188.5
ATRAZINE	32.0 oz/a	B 302		99.0	99.0	99.0	99.0	99.0	32.0	163.1
N-PAK AMS	2.5 % v/v	B								
		Mean =		99.0	99.0	99.0	94.3	99.0	34.3	174.9
8 ROUNDUP P-MAX II	32.0 oz/a	B 108		99.0	99.0	99.0	99.0	95.0	30.0	152.9
CAPRENO	3.0 oz/a	B 211		99.0	99.0	99.0	99.0	95.0	34.0	173.2
ATRAZINE	32.0 oz/a	B 306		99.0	99.0	99.0	99.0	99.0	29.0	147.8
N-PAK AMS	2.5 % v/v	B								
		Mean =		99.0	99.0	99.0	99.0	96.3	31.0	158.0
9 ROUNDUP P-MAX II	32.0 oz/a	B 109		99.0	99.0	99.0	99.0	99.0	32.0	163.1
CAPRENO	3.0 oz/a	B 206		99.0	99.0	99.0	99.0	99.0	38.0	193.6
ATRAZINE	32.0 oz/a	B 303		99.0	99.0	99.0	99.0	99.0	35.0	178.3
WARRANT	48.0 oz/a	B								
N-PAK AMS	2.5 % v/v	B								
		Mean =		99.0	99.0	99.0	99.0	99.0	35.0	178.3
10 ROUNDUP P-MAX II	32.0 oz/a	B 110		99.0	99.0	99.0	99.0	99.0	36.0	183.4
LAUDIS	3.0 oz/a	B 208		99.0	99.0	99.0	95.0	90.0	39.0	198.7
ATRAZINE	32.0 oz/a	B 305		99.0	99.0	99.0	99.0	99.0	35.0	178.3
N-PAK AMS	2.5 % v/v	B								
		Mean =		99.0	99.0	99.0	97.7	96.0	36.7	186.8

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FIELD CORN WEED CONTROL WITH BAYER HERBICIDES											
Trial ID: CN-09B-20		Study Dir.: KEITH RUCKER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code				RAPRA	AGRASS	AMAPA	RAPRA	AGRASS		----	----
Crop Code				-----	-----	-----	-----	-----		ZEAMA	ZEAMA
Part Rated										PLOT -	PLOT -
Rating Data Type				Control	Control	Control	Control	Control		YIELD	YIELD
Rating Unit				Percent	Percent	Percent	Percent	Percent		LBS/PLOT	BU/A
Rating Date				May-21-20	May-21-20	Jun-16-20	Jun-16-20	Jun-16-20		Aug-26-20	Aug-26-20
PRM Data Type											TY1
# Subsamples, Dec.											- 1
Trt Treatment	Rate	Appl									
No. Name	Rate Unit	Code Plot		16	17	18	19	20	21	22	
11 ROUNDUP P-MAX II	32.0 oz/a	B 111		99.0	99.0	99.0	99.0	99.0	37.0	188.5	
LAUDIS	3.0 oz/a	B 201		99.0	99.0	99.0	90.0	99.0	27.0	137.6	
ATRAZINE	32.0 oz/a	B 308		99.0	99.0	99.0	99.0	99.0	35.0	178.3	
WARRANT	48.0 oz/a	B									
N-PAK AMS	2.5 % v/v	B									
		Mean =		99.0	99.0	99.0	96.0	99.0	33.0	168.2	
12 HALEX GT	58.0 oz/a	B 112		99.0	99.0	99.0	99.0	99.0	33.0	168.2	
ATRAZINE	32.0 oz/a	B 202		99.0	99.0	99.0	85.0	95.0	32.0	163.1	
NIS	0.25 % v/v	B 301		99.0	99.0	99.0	85.0	90.0	35.0	178.3	
N-PAK AMS	2.5 % v/v	B									
		Mean =		99.0	99.0	99.0	89.7	94.7	33.3	169.9	
13 ROUNDUP P-MAX II	32.0 oz/a	B 113		99.0	99.0	99.0	99.0	99.0	23.0	117.2	
ATRAZINE	64.0 oz/a	B 205		99.0	99.0	99.0	95.0	99.0	37.0	188.5	
PROWL H20	32.0 oz/a	B 309		99.0	99.0	99.0	90.0	95.0	33.0	168.2	
		Mean =		99.0	99.0	99.0	94.7	97.7	31.0	158.0	
14 NTC	32.0 oz/a	B 114		0.0	0.0	0.0	0.0	0.0	26.2*	133.3*	
		212		0.0	0.0	0.0	0.0	0.0	28.0	142.7	
		310		0.0	0.0	0.0	0.0	0.0	30.0	152.9	
		Mean =		0.0	0.0	0.0	0.0	0.0	28.1	143.0	

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FIELD CORN WEED CONTROL WITH BAYER HERBICIDES

Trial ID: CN-09B-20 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

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

Part Rated

Leaf = LEAF / FOLIAGE

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

C = Crop is Part Rated

PRM Data Type

TY1 = 5.095501*[21]