

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	207	302	412
2	WARRANT	3 ME		48.0 oz/a		PRE	A	37.5 mL/mx	1412.5 mL	102	211	305	411
	ATRAZINE	4 L		64.0 oz/a		PRE	A	50.0 mL/mx					
3	CORVUS	2.63 SC		5.60 oz/a		PRE	A	4.375 mL/mx	1470.6 mL	103	204	306	405
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
4	CORVUS	2.63 SC		5.60 oz/a		PRE	A	4.375 mL/mx	1433.1 mL	104	201	312	409
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	WARRANT	3 ME		48.0 oz/a		PRE	A	37.5 mL/mx					
5	ACURON	3.44 SC		80.0 oz/a		PRE	A	62.5 mL/mx	1437.5 mL	105	203	304	401
6	ROUNDUP POWERMAX 3	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1382.8 mL	106	212	307	408
	WARRANT	3 ME		48.0 oz/a		EPOST B		37.5 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
7	ROUNDUP POWERMAX 3	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1389.1 mL	107	210	311	404
	HARNES MAX	3.85 ME		40.0 oz/a		EPOST B		31.25 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
8	ROUNDUP POWERMAX 3	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1418.0 mL	108	209	310	407
	CAPRENO	3.45 SC		3.0 oz/a		EPOST B		2.344 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
9	ROUNDUP POWERMAX3I	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1380.5 mL	109	205	308	410
	CAPRENO	3.45 SC		3.0 oz/a		EPOST B		2.344 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	WARRANT	3 ME		48.0 oz/a		EPOST B		37.5 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
10	ROUNDUP POWERMAX 3	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1418.0 mL	110	208	301	403
	LAUDIS	3.50 SC		3.0 oz/a		EPOST B		2.344 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
11	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		EPOST B		17.19 mL/mx	1380.5 mL	111	202	303	402
	LAUDIS	3.50 SC		3.0 oz/a		EPOST B		2.344 mL/mx					
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	WARRANT	3 ME		48.0 oz/a		EPOST B		37.5 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					
12	HALEX GT	4.39 SC		57.6 oz/a		EPOST B		45.0 mL/mx	1388.8 mL	112	206	309	406
	ATRAZINE	4 L		32.0 oz/a		EPOST B		25.0 mL/mx					
	INDUCE			0.25 % v/v		EPOST B		3.75 mL/mx					
	N-PAK AMS			2.5 % v/v		EPOST B		37.5 mL/mx					

Sort Order: Treatment

Trial Comments

CAPRENO = THIENCARBAZONE (0.57 LBS/GAL) + TEMBOTRIONE (2.88 LBS/A)
 CORVUS = THIENCARBAZONE (0.75 LBS/GAL) + ISOXAFLUTOLE (1.88 LBS/GAL)
 HALEX GT = S-METOLACHLOR (2.09 LBS/GAL) + GLYPHOSATE (2.09 LBS/GAL) + MESOTRIONE (0.209 LBS/GAL)
 ACURON = ATRAZINE (1 LB/GAL) + BICYCLOPYRONE (0.06 LBS/GAL) + MESOTRIONE (0.24 LBS/GAL) + S-METOLACHLOR (2.14 LBS/GAL)
 HARNES MAX = ACETOCHLOR (3.52 LBS/GAL) + MESOTRIONE (0.33 LBS/GAL)

04/07/2021: did not rate for injury due to frost that occurred from April 2-4

HARVEST MOISTURE: 17.32%
 YIELDS ADJUSTED TO 15.5%.

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Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

SUMMARY:

- 1) PRE APPLICATIONS OF CORVUS CAUSED SIGNIFICANT EARLY SEASON CORN STUNTING.
- 2) PRE APPLICATIONS OF CORVUS + ATRAZINE AND CORVUS + ATRAZINE + WARRANT PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES (>90%).
- 3) PRE APPLICATIONS OF ACURON CAUSED LITTLE CORN INJURY BUT PROVIDED EXCELLENT WEED CONTROL (>90%).
- 4) SLIGHT CORN INJURY WAS OBSERVED WITH EPOST APPLICATIONS OF ROUNDUP P-MAX3 + HARNESS MAX + ATRAZINE AND ROUNDUP P-MAX3 + CAPRENO + ATRAZINE (5-10%).
- 5) GENERALLY, ALL EPOST HERBICIDE APPLICATIONS PROVIDED AT LEAST 87% CONTROL OF ALL WEEDS WITH NO SIGNIFICANT DIFFERENCES BETWEEN TREATMENTS.
- 6) ALL HERBICIDE TREATED PLOTS HAD HIGHER CORN YIELDS THAN THE NTC.
- 7) WARRANT + ATRAZINE (PRE), CORVUS + ATRAZINE + WARRANT (EPOST), AND ROUNDUP + CAPRENO + ATRAZINE + AMS (EPOST) HAD LOWER CORN YIELDS THAN SOME OTHER TREATMENTS.

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

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

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

TRIAL LOCATION

City: _____ **Trial Status:** E
State/Prov.: _____ **Trial Reliability:** _____
Postal Code: _____ **Initiation Date:** _____
Country: _____ **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	AN	NUAL GRASS
4.	CYPSP	NU	TSEDGE
5.			

Crop 1: ZEAMA FIELD CORN **Variety:** PIONEER 1870YHR
Planting Date: Mar-23-21 **Planting Method:** MONOSEM
Rate: 36300 SEED/A **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: 36 IN **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

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	Previous Pesticides	Year
1.	PEANUT		2020

MAINTENANCE

Field Prep./Maintenance: 800 LBS/A 5-10-15 PREPLANT
 LUMIGEN SEED TRT
 127-0-0-16 SIDEDRESS ON APRIL 19 AND APRIL 29
 AXILO BMZ MICRONUTRIENTS APPLIED ON APRIL 20

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.5 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-24-21		0.4	IN	RAINFALL		
2.	Mar-28-21		0.1	IN	RAINFALL		
3.	Mar-31-21		0.6	IN	SPRINKLER - LATERAL MOVE		
4.	Mar-31-21		0.8	IN	RAINFALL		
5.	Apr-7-21		0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-9-21		0.27	IN	RAINFALL		
7.	Apr-10-21		0.05	IN	RAINFALL		
8.	Apr-11-21		0.08	IN	RAINFALL		
9.	Apr-17-21		0.10	IN	RAINFALL		
10.	Apr-18-21		0.01	IN	RAINFALL		
11.	Apr-20-21		0.35	IN	SPRINKLER - LATERAL MOVE		
12.	Apr-24-21		6.0	IN	RAINFALL		
13.	May-3-21		0.1	IN	RAINFALL		
14.	May-4-21		1.15	IN	RAINFALL		
15.	May-11-21		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-11-21		0.15	IN	RAINFALL		
17.	May-12-21		0.6	IN	RAINFALL		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B
Application Date:	Mar-23-21	Apr-13-21
Time of Day:	3:45 pm	7:30 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	74 F	56 F
% Relative Humidity:	46.3	84
Wind Velocity, Unit:	3.5 MPH	2 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	73.7 F	60 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	85	5

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CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA	ZEAMA
Stage Scale:		V4
Height, Unit:		5 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA	AMAPA
Stage Scale:		1" TALL
Density, Unit:		
Weed 2 Code, Stage:	RAPRA	RAPRA
Stage Scale:		3-4"
Density, Unit:		
Weed 3 Code, Stage:	AGRAS	AGRAS
Stage Scale:		1-2"
Density, Unit:		
Weed 4 Code, Stage:	CYPSP	CYPSP
Stage Scale:		4-6"
Density, Unit:		
Weed 5 Code, Stage:		
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	35	36
Nozzle Type:	AIXR	AIXR
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:		
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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Trial ID: CN-08-21		Study Dir.: KEITH RUCKER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Plant - Stunting Percent Mar-31-21	Rapra ----- Control Percent Apr-7-21	Agrass ----- Control Percent Apr-7-21	Amapa ----- Control Percent Apr-7-21	----- Zeama Plant - Stunting Percent Apr-21-21	Amapa ----- Control Percent Apr-21-21	Rapra ----- Control Percent Apr-21-21	
ARM Action Codes # Subsamples, Dec.						1	2	3	4	5	6	7	
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code								
1	NTC					0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 c
2	WARRANT ATRAZINE	3 ME 4 L	PRE PRE	PRE PRE	A A	0.0 b	72.5 c	99.0 a	99.0 a	0.0 b	99.0 a	95.8 b	
3	CORVUS ATRAZINE	2.63 SC 4 L	PRE PRE	PRE PRE	A A	13.8 a	92.5 b	99.0 a	99.0 a	13.8 a	99.0 a	99.0 a	
4	CORVUS ATRAZINE WARRANT	2.63 SC 4 L 3 ME	PRE PRE PRE	PRE PRE PRE	A A A	12.5 a	94.5 ab	99.0 a	99.0 a	16.3 a	99.0 a	99.0 a	
5	ACURON	3.44 SC	PRE	PRE	A	1.3 b	97.0 a	99.0 a	99.0 a	2.5 b	99.0 a	99.0 a	
6	ROUNDUP POWERMAX 3 WARRANT ATRAZINE N-PAK AMS	5.88 SL 3 ME 4 L	EPOST EPOST EPOST	EPOST EPOST EPOST	B B B	0.0 b	0.0 d	0.0 b	0.0 b	2.5 b	99.0 a	99.0 a	
7	ROUNDUP POWERMAX 3 HARNESSE MAX ATRAZINE N-PAK AMS	5.88 SL 3.85 ME 4 L	EPOST EPOST EPOST	EPOST EPOST EPOST	B B B	0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	99.0 a	99.0 a	
8	ROUNDUP POWERMAX 3 CAPRENO ATRAZINE N-PAK AMS	5.88 SL 3.45 SC 4 L	EPOST EPOST EPOST	EPOST EPOST EPOST	B B B	0.0 b	0.0 d	0.0 b	0.0 b	2.5 b	99.0 a	99.0 a	
9	ROUNDUP POWERMAX3I CAPRENO ATRAZINE WARRANT N-PAK AMS	5.88 SL 3.45 SC 4 L 3 ME	EPOST EPOST EPOST EPOST	EPOST EPOST EPOST EPOST	B B B B	0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	99.0 a	99.0 a	
10	ROUNDUP POWERMAX 3 LAUDIS ATRAZINE N-PAK AMS	5.88 SL 3.50 SC 4 L	EPOST EPOST EPOST	EPOST EPOST EPOST	B B B	0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	99.0 a	99.0 a	
11	ROUNDUP POWERMAX3 LAUDIS ATRAZINE WARRANT N-PAK AMS	5.88 SL 3.50 SC 4 L 3 ME	EPOST EPOST EPOST EPOST	EPOST EPOST EPOST EPOST	B B B B	0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	99.0 a	99.0 a	
12	HALEX GT ATRAZINE INDUCE N-PAK AMS	4.39 SC 4 L	EPOST EPOST EPOST	EPOST EPOST EPOST	B B B	0.0 b	0.0 d	0.0 b	0.0 b	0.0 b	99.0 a	99.0 a	
LSD P=.10						2.46	4.12	.	.	3.77	.	1.48	
Standard Deviation						2.06	3.44	0.00	0.00	3.15	0.00	1.23	
CV						89.74	11.59	0.0	0.0	100.74	0.0	1.36	
Grand Mean						2.29	29.71	33.00	33.00	3.13	90.75	90.48	
Bartlett's X2^						35.459	35.665	.	.	30.903	.	64.208	
P(Bartlett's X2)						0.00*	0.00*	.	.	0.001*	.	0.00*	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 3,4,6,12,16,17 because error mean square = 0.
 ^Calculated from residual.

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL												
Trial ID: CN-08-21		Study Dir.: KEITH RUCKER										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code	Agrass	-----	-----	-----	Amapa	Rapra						
Crop Code	-----	Zeama	Zeama	Zeama	----	----						
Part Rated	Control	Stunting	Chlorosis	Necrosis	Control	Control						
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent						
Rating Unit	Apr-21-21	Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21						
Rating Date												
ARM Action Codes												
# Subsamples, Dec.												
Trt Treatment	Form	Form	Grow	Appl	8	9	10	11	12	13		
No. Name	Conc	Type	Stg	Code								
1 NTC					0.0 c	0.0 d	0.0 a	0.0 a	0.0 b	0.0 d		
2 WARRANT	3 ME	PRE	A		98.0 b	1.3 cd	0.0 a	0.0 a	99.0 a	94.5 c		
ATRAZINE	4 L	PRE	A									
3 CORVUS	2.63 SC	PRE	A		99.0 a	17.5 a	0.0 a	0.0 a	99.0 a	98.0 ab		
ATRAZINE	4 L	PRE	A									
4 CORVUS	2.63 SC	PRE	A		99.0 a	18.8 a	0.0 a	0.0 a	99.0 a	98.0 ab		
ATRAZINE	4 L	PRE	A									
WARRANT	3 ME	PRE	A									
5 ACURON	3.44 SC	PRE	A		99.0 a	7.5 bc	0.0 a	1.3 a	99.0 a	98.0 ab		
6 ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		99.0 a	5.0 bcd	0.0 a	0.0 a	99.0 a	95.8 bc		
WARRANT	3 ME	EPOST	B									
ATRAZINE	4 L	EPOST	B									
N-PAK AMS		EPOST	B									
7 ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		99.0 a	10.0 b	0.0 a	0.0 a	99.0 a	99.0 a		
HARNES MAX	3.85 ME	EPOST	B									
ATRAZINE	4 L	EPOST	B									
N-PAK AMS		EPOST	B									
8 ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		99.0 a	7.5 bc	2.5 a	0.0 a	99.0 a	99.0 a		
CAPRENO	3.45 SC	EPOST	B									
ATRAZINE	4 L	EPOST	B									
N-PAK AMS		EPOST	B									
9 ROUNDUP POWERMAX3I	5.88 SL	EPOST	B		99.0 a	5.0 bcd	0.0 a	0.0 a	99.0 a	98.0 ab		
CAPRENO	3.45 SC	EPOST	B									
ATRAZINE	4 L	EPOST	B									
WARRANT	3 ME	EPOST	B									
N-PAK AMS		EPOST	B									
10 ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		99.0 a	2.5 cd	0.0 a	0.0 a	99.0 a	98.0 ab		
LAUDIS	3.50 SC	EPOST	B									
ATRAZINE	4 L	EPOST	B									
N-PAK AMS		EPOST	B									
11 ROUNDUP POWERMAX3	5.88 SL	EPOST	B		99.0 a	0.0 d	0.0 a	0.0 a	99.0 a	99.0 a		
LAUDIS	3.50 SC	EPOST	B									
ATRAZINE	4 L	EPOST	B									
WARRANT	3 ME	EPOST	B									
N-PAK AMS		EPOST	B									
12 HALEX GT	4.39 SC	EPOST	B		99.0 a	1.3 cd	0.0 a	0.0 a	99.0 a	98.0 ab		
ATRAZINE	4 L	EPOST	B									
INDUCE		EPOST	B									
N-PAK AMS		EPOST	B									
LSD P=.10					0.69	6.94	1.73	0.86	.	3.25		
Standard Deviation					0.58	5.80	1.44	0.72	0.00	2.71		
CV					0.64	91.23	692.82	692.82	0.0	3.03		
Grand Mean					90.67	6.35	0.21	0.10	90.75	89.60		
Bartlett's X2^					64.208	22.627	64.208	64.208	.	32.24		
P(Bartlett's X2)					0.00*	0.02*	0.00*	0.00*	.	0.001*		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 3,4,6,12,16,17 because error mean square = 0.
 ^Calculated from residual.

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Trial ID: CN-08-21		Study Dir.: KEITH RUCKER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Agrass ----- Control Percent Apr-29-21	----- Zeama Stunt Percent May-13-21	----- Zeama Chlorosi Percent May-13-21	----- Zeama Necrosis Percent May-13-21	Amapa ----- Control Percent May-13-21	Rapra ----- Control Percent May-13-21		
ARM Action Codes	# Subsamples, Dec.	Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	14	15	16	17	18	19
		1	NTC					0.0 c	0.0 a	0.0 a	0.0 a	0.0 c	0.0 c
		2	WARRANT ATRAZINE	3 ME 4 L		PRE PRE	A A	98.0 b	0.0 a	0.0 a	0.0 a	99.0 a	73.8 b
		3	CORVUS ATRAZINE	2.63 SC 4 L		PRE PRE	A A	99.0 a	6.3 a	0.0 a	0.0 a	96.0 b	92.3 a
		4	CORVUS ATRAZINE WARRANT	2.63 SC 4 L 3 ME		PRE PRE PRE	A A A	99.0 a	10.0 a	0.0 a	0.0 a	99.0 a	88.5 a
		5	ACURON	3.44 SC		PRE	A	99.0 a	1.3 a	0.0 a	0.0 a	99.0 a	91.0 a
		6	ROUNDUP POWERMAX 3 WARRANT ATRAZINE N-PAK AMS	5.88 SL 3 ME 4 L		EPOST EPOST EPOST	B B B	99.0 a	3.8 a	0.0 a	0.0 a	99.0 a	88.3 a
		7	ROUNDUP POWERMAX 3 HARNES MAX ATRAZINE N-PAK AMS	5.88 SL 3.85 ME 4 L		EPOST EPOST EPOST	B B B	99.0 a	5.0 a	0.0 a	0.0 a	99.0 a	97.0 a
		8	ROUNDUP POWERMAX 3 CAPRENO ATRAZINE N-PAK AMS	5.88 SL 3.45 SC 4 L		EPOST EPOST EPOST	B B B	99.0 a	5.0 a	0.0 a	0.0 a	99.0 a	94.8 a
		9	ROUNDUP POWERMAX3I CAPRENO ATRAZINE WARRANT N-PAK AMS	5.88 SL 3.45 SC 4 L 3 ME		EPOST EPOST EPOST EPOST	B B B B	99.0 a	5.0 a	0.0 a	0.0 a	99.0 a	98.0 a
		10	ROUNDUP POWERMAX 3 LAUDIS ATRAZINE N-PAK AMS	5.88 SL 3.50 SC 4 L		EPOST EPOST EPOST	B B B	99.0 a	2.5 a	0.0 a	0.0 a	99.0 a	93.5 a
		11	ROUNDUP POWERMAX3 LAUDIS ATRAZINE WARRANT N-PAK AMS	5.88 SL 3.50 SC 4 L 3 ME		EPOST EPOST EPOST EPOST	B B B B	99.0 a	0.0 a	0.0 a	0.0 a	99.0 a	95.5 a
		12	HALEX GT ATRAZINE INDUCE N-PAK AMS	4.39 SC 4 L		EPOST EPOST EPOST	B B B	99.0 a	0.0 a	0.0 a	0.0 a	99.0 a	87.3 a
		LSD P=.10						0.69	5.72	.	.	0.69	10.93
		Standard Deviation						0.58	4.78	0.00	0.00	0.58	9.13
		CV						0.64	148.09	0.0	0.0	0.64	10.96
		Grand Mean						90.67	3.23	0.00	0.00	90.50	83.31
		Bartlett's X2^						64.208	15.34	.	.	64.208	30.54
		P(Bartlett's X2)						0.00*	0.167	.	.	0.00*	0.001*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 3,4,6,12,16,17 because error mean square = 0.
 ^Calculated from residual.

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL						
Trial ID: CN-08-21		Study Dir.: KEITH RUCKER				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code			Agrass	-----	-----	
Crop Code			-----	ZEAMA	ZEAMA	
Part Rated			Control	PLOT -	PLOT -	
Rating Data Type			Percent	YIELD	YIELD	
Rating Unit			May-13-21	LBS/PLOT	BU/A	
Rating Date				Sep-7-21	Sep-7-21	
ARM Action Codes					TY1	
# Subsamples, Dec.					- 1	
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	
20	21	22				
1	NTC					0.0 c 34.0 d 172.5 d
2	WARRANT	3 ME	PRE	A		89.5 b 46.3 c 234.7 c
	ATRAZINE	4 L	PRE	A		
3	CORVUS	2.63 SC	PRE	A		98.0 a 54.0 ab 274.0 ab
	ATRAZINE	4 L	PRE	A		
4	CORVUS	2.63 SC	PRE	A		98.0 a 46.3 c 234.7 c
	ATRAZINE	4 L	PRE	A		
	WARRANT	3 ME	PRE	A		
5	ACURON	3.44 SC	PRE	A		95.0 a 54.8 ab 277.8 ab
6	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		98.0 a 51.5 abc 261.3 abc
	WARRANT	3 ME	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	N-PAK AMS		EPOST	B		
7	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		99.0 a 51.0 abc 258.8 abc
	HARNES MAX	3.85 ME	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	N-PAK AMS		EPOST	B		
8	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		94.5 a 46.5 c 235.9 c
	CAPRENO	3.45 SC	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	N-PAK AMS		EPOST	B		
9	ROUNDUP POWERMAX3I	5.88 SL	EPOST	B		97.0 a 51.3 abc 260.0 abc
	CAPRENO	3.45 SC	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	WARRANT	3 ME	EPOST	B		
	N-PAK AMS		EPOST	B		
10	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		98.0 a 55.3 a 280.3 a
	LAUDIS	3.50 SC	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	N-PAK AMS		EPOST	B		
11	ROUNDUP POWERMAX3	5.88 SL	EPOST	B		99.0 a 51.0 abc 258.8 abc
	LAUDIS	3.50 SC	EPOST	B		
	ATRAZINE	4 L	EPOST	B		
	WARRANT	3 ME	EPOST	B		
	N-PAK AMS		EPOST	B		
12	HALEX GT	4.39 SC	EPOST	B		97.0 a 49.8 bc 252.4 bc
	ATRAZINE	4 L	EPOST	B		
	INDUCE		EPOST	B		
	N-PAK AMS		EPOST	B		
LSD P=.10				4.76	5.49	27.88
Standard Deviation				3.97	4.59	23.30
CV				4.49	9.32	9.32
Grand Mean				88.58	49.29	250.11
Bartlett's X2^				36.749	12.067	12.067
P(Bartlett's X2)				0.00*	0.359	0.359

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 3,4,6,12,16,17 because error mean square = 0.
 ^Calculated from residual.

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL						
Trial ID:	CN-08-21	Study Dir.:	KEITH RUCKER			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting Percent Mar-31-21 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1297.916667				
Replicate	3	22.916667	7.638889	1.806	0.1653	
Treatment	11	1135.416667	103.219697	24.403	0.0001	
Error	33	139.583333	4.229798			
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-7-21 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	86689.916667				
Replicate	3	55.750000	18.583333	1.567	0.2158	
Treatment	11	86242.916667	7840.265152	661.288	0.0001	
Error	33	391.250000	11.856061			
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-7-21 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	104544.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	104544.000000	9504.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-7-21 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	104544.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	104544.000000	9504.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting Percent Apr-21-21 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1781.250000				
Replicate	3	35.416667	11.805556	1.191	0.3282	
Treatment	11	1418.750000	128.977273	13.013	0.0001	
Error	33	327.083333	9.911616			
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-21-21 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35937.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	35937.000000	3267.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-21-21 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35815.979167				
Replicate	3	4.562500	1.520833	1.000	0.4051	
Treatment	11	35761.229167	3251.020833	2137.658	0.0001	
Error	33	50.187500	1.520833			
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-21-21 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35886.666667				
Replicate	3	1.000000	0.333333	1.000	0.4051	
Treatment	11	35874.666667	3261.333333	9784.001	0.0001	
Error	33	11.000000	0.333333			
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting Percent Apr-29-21 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	2986.979167				
Replicate	3	97.395833	32.465278	0.966	0.4203	
Treatment	11	1780.729167	161.884470	4.818	0.0002	
Error	33	1108.854167	33.601641			
Randomized Complete Block (RCB) AOV For ----- Zeama Chlorosis Percent Apr-29-21 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	97.916667				
Replicate	3	6.250000	2.083333	1.000	0.4051	
Treatment	11	22.916667	2.083333	1.000	0.4671	
Error	33	68.750000	2.083333			

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL					
Trial ID:	CN-08-21	Study Dir.:	KEITH RUCKER		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis Percent Apr-29-21 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	24.479167			
Replicate	3	1.562500	0.520833	1.000	0.4051
Treatment	11	5.729167	0.520833	1.000	0.4671
Error	33	17.187500	0.520833		
Randomized Complete Block (RCB) AOV For Amapa ---- Control Percent Apr-29-21 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35937.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	35937.000000	3267.000000	0.000	1.0000
Error	33	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-29-21 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35371.479167			
Replicate	3	14.729167	4.909722	0.667	0.5785
Treatment	11	35113.729167	3192.157197	433.466	0.0001
Error	33	243.020833	7.364268		
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-29-21 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35886.666667			
Replicate	3	1.000000	0.333333	1.000	0.4051
Treatment	11	35874.666667	3261.333333	9784.001	0.0001
Error	33	11.000000	0.333333		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunt Percent May-13-21 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1324.479167			
Replicate	3	126.562500	42.187500	1.845	0.1583
Treatment	11	443.229167	40.293561	1.762	0.1025
Error	33	754.687500	22.869318		
Randomized Complete Block (RCB) AOV For ----- Zeama Chlorosi Percent May-13-21 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis Percent May-13-21 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent May-13-21 (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35784.000000			
Replicate	3	1.000000	0.333333	1.000	0.4051
Treatment	11	35772.000000	3252.000000	9756.001	0.0001
Error	33	11.000000	0.333333		
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-13-21 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35024.312500			
Replicate	3	176.062500	58.687500	0.704	0.5564
Treatment	11	32097.562500	2917.960227	35.007	0.0001
Error	33	2750.687500	83.354167		
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent May-13-21 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35171.666667			
Replicate	3	100.666667	33.555556	2.124	0.1160
Treatment	11	34549.666667	3140.878788	198.815	0.0001
Error	33	521.333333	15.797980		

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID:	CN-08-21	Study Dir.:	KEITH RUCKER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Sep-7-21 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	2217.916667			
Replicate	3	72.750000	24.250000	1.150	0.3434
Treatment	11	1449.416667	131.765152	6.250	0.0001
Error	33	695.750000	21.083333		

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD BU/A Sep-7-21 TY1 1 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	57101.815026			
Replicate	3	1872.999606	624.333202	1.150	0.3434
Treatment	11	37316.245303	3392.385937	6.250	0.0001
Error	33	17912.570116	542.805155		

Part Rated

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

ARM Action Codes

TY1 = 5.07402198*[21]

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL													
Trial ID: CN-08-21		Study Dir.: KEITH RUCKER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	ARM Action Codes	# Subsamples, Dec.	Rapra -----	Agrass -----	----- Zeama	----- Zeama	----- Zeama	Amapa -----
								Control Percent Apr-21-21	Control Percent Apr-21-21	Stunting Percent Apr-29-21	Chlorosis Percent Apr-29-21	Necrosis Percent Apr-29-21	Control Percent Apr-29-21
Trt	Treatment No. Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot		7	8	9	10	11	12
	1 NTC					101		0.0	0.0	0.0	0.0	0.0	0.0
						207		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
						412		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 WARRANT	3 ME		PRE	A	102		95.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4 L		PRE	A	211		99.0	95.0	0.0	0.0	0.0	99.0
						305		90.0	99.0	0.0	0.0	0.0	99.0
						411		99.0	99.0	5.0	0.0	0.0	99.0
						Mean =		95.8	98.0	1.3	0.0	0.0	99.0
	3 CORVUS	2.63 SC		PRE	A	103		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L		PRE	A	204		99.0	99.0	25.0	0.0	0.0	99.0
						306		99.0	99.0	20.0	0.0	0.0	99.0
						405		99.0	99.0	15.0	0.0	0.0	99.0
						Mean =		99.0	99.0	17.5	0.0	0.0	99.0
	4 CORVUS	2.63 SC		PRE	A	104		99.0	99.0	25.0	0.0	0.0	99.0
	ATRAZINE	4 L		PRE	A	201		99.0	99.0	20.0	0.0	0.0	99.0
	WARRANT	3 ME		PRE	A	312		99.0	99.0	10.0	0.0	0.0	99.0
						409		99.0	99.0	20.0	0.0	0.0	99.0
						Mean =		99.0	99.0	18.8	0.0	0.0	99.0
	5 ACURON	3.44 SC		PRE	A	105		99.0	99.0	0.0	0.0	5.0	99.0
						203		99.0	99.0	0.0	0.0	0.0	99.0
						304		99.0	99.0	10.0	0.0	0.0	99.0
						401		99.0	99.0	20.0	0.0	0.0	99.0
						Mean =		99.0	99.0	7.5	0.0	1.3	99.0
	6 ROUNDUP POWERMAX 3	5.88 SL		EPOST	B	106		99.0	99.0	0.0	0.0	0.0	99.0
	WARRANT	3 ME		EPOST	B	212		99.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4 L		EPOST	B	307		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B	408		99.0	99.0	20.0	0.0	0.0	99.0
						Mean =		99.0	99.0	5.0	0.0	0.0	99.0
	7 ROUNDUP POWERMAX 3	5.88 SL		EPOST	B	107		99.0	99.0	10.0	0.0	0.0	99.0
	HARNESS MAX	3.85 ME		EPOST	B	210		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L		EPOST	B	311		99.0	99.0	5.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B	404		99.0	99.0	15.0	0.0	0.0	99.0
						Mean =		99.0	99.0	10.0	0.0	0.0	99.0
	8 ROUNDUP POWERMAX 3	5.88 SL		EPOST	B	108		99.0	99.0	15.0	0.0	0.0	99.0
	CAPRENO	3.45 SC		EPOST	B	209		99.0	99.0	10.0	10.0	0.0	99.0
	ATRAZINE	4 L		EPOST	B	310		99.0	99.0	5.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B	407		99.0	99.0	0.0	0.0	0.0	99.0
						Mean =		99.0	99.0	7.5	2.5	0.0	99.0
	9 ROUNDUP POWERMAX3I	5.88 SL		EPOST	B	109		99.0	99.0	0.0	0.0	0.0	99.0
	CAPRENO	3.45 SC		EPOST	B	205		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L		EPOST	B	308		99.0	99.0	10.0	0.0	0.0	99.0
	WARRANT	3 ME		EPOST	B	410		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B								
						Mean =		99.0	99.0	5.0	0.0	0.0	99.0
	10 ROUNDUP POWERMAX 3	5.88 SL		EPOST	B	110		99.0	99.0	0.0	0.0	0.0	99.0
	LAUDIS	3.50 SC		EPOST	B	208		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L		EPOST	B	301		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B	403		99.0	99.0	0.0	0.0	0.0	99.0
						Mean =		99.0	99.0	2.5	0.0	0.0	99.0

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date ARM Action Codes # Subsamples, Dec.					Rapra ----- Control Percent Apr-21-21	Agrass ----- Control Percent Apr-21-21	----- Zeama Stunting Percent Apr-29-21	----- Zeama Chlorosis Percent Apr-29-21	----- Zeama Necrosis Percent Apr-29-21	Amapa ----- Control Percent Apr-29-21		
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
11	ROUNDUP POWERMAX3	5.88	SL	EPOST	B	111	99.0	99.0	0.0	0.0	0.0	99.0
	LAUDIS	3.50	SC	EPOST	B	202	99.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4	L	EPOST	B	303	99.0	99.0	0.0	0.0	0.0	99.0
	WARRANT	3	ME	EPOST	B	402	99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B							
						Mean =	99.0	99.0	0.0	0.0	0.0	99.0
12	HALEX GT	4.39	SC	EPOST	B	112	99.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4	L	EPOST	B	206	99.0	99.0	0.0	0.0	0.0	99.0
	INDUCE			EPOST	B	309	99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS			EPOST	B	406	99.0	99.0	5.0	0.0	0.0	99.0
						Mean =	99.0	99.0	1.3	0.0	0.0	99.0

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL													
Trial ID: CN-08-21		Study Dir.: KEITH RUCKER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	ARM Action Codes	# Subsamples, Dec.	Rapra ----- Control Percent Apr-29-21	Agrass ----- Control Percent Apr-29-21	----- Zeama Stunt Percent May-13-21	----- Zeama Chlorosi Percent May-13-21	----- Zeama Necrosis Percent May-13-21	Amapa ----- Control Percent May-13-21
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot		13	14	15	16	17	18
1	NTC					101		0.0	0.0	0.0	0.0	0.0	0.0
						207		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
						412		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	WARRANT	3 ME	PRE	A		102		99.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4 L	PRE	A		211		95.0	95.0	0.0	0.0	0.0	99.0
						305		85.0	99.0	0.0	0.0	0.0	99.0
						411		99.0	99.0	0.0	0.0	0.0	99.0
						Mean =		94.5	98.0	0.0	0.0	0.0	99.0
3	CORVUS	2.63 SC	PRE	A		103		99.0	99.0	0.0	0.0	0.0	95.0
	ATRAZINE	4 L	PRE	A		204		95.0	99.0	15.0	0.0	0.0	95.0
						306		99.0	99.0	0.0	0.0	0.0	95.0
						405		99.0	99.0	10.0	0.0	0.0	99.0
						Mean =		98.0	99.0	6.3	0.0	0.0	96.0
4	CORVUS	2.63 SC	PRE	A		104		99.0	99.0	15.0	0.0	0.0	99.0
	ATRAZINE	4 L	PRE	A		201		99.0	99.0	15.0	0.0	0.0	99.0
	WARRANT	3 ME	PRE	A		312		99.0	99.0	10.0	0.0	0.0	99.0
						409		95.0	99.0	0.0	0.0	0.0	99.0
						Mean =		98.0	99.0	10.0	0.0	0.0	99.0
5	ACURON	3.44 SC	PRE	A		105		99.0	99.0	0.0	0.0	0.0	99.0
						203		99.0	99.0	0.0	0.0	0.0	99.0
						304		95.0	99.0	0.0	0.0	0.0	99.0
						401		99.0	99.0	5.0	0.0	0.0	99.0
						Mean =		98.0	99.0	1.3	0.0	0.0	99.0
6	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		106		99.0	99.0	0.0	0.0	0.0	99.0
	WARRANT	3 ME	EPOST	B		212		95.0	99.0	0.0	0.0	0.0	99.0
	ATRAZINE	4 L	EPOST	B		307		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS		EPOST	B		408		90.0	99.0	15.0	0.0	0.0	99.0
						Mean =		95.8	99.0	3.8	0.0	0.0	99.0
7	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		107		99.0	99.0	0.0	0.0	0.0	99.0
	HARNES MAX	3.85 ME	EPOST	B		210		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L	EPOST	B		311		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS		EPOST	B		404		99.0	99.0	10.0	0.0	0.0	99.0
						Mean =		99.0	99.0	5.0	0.0	0.0	99.0
8	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		108		99.0	99.0	10.0	0.0	0.0	99.0
	CAPRENO	3.45 SC	EPOST	B		209		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L	EPOST	B		310		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS		EPOST	B		407		99.0	99.0	0.0	0.0	0.0	99.0
						Mean =		99.0	99.0	5.0	0.0	0.0	99.0
9	ROUNDUP POWERMAX3I	5.88 SL	EPOST	B		109		99.0	99.0	0.0	0.0	0.0	99.0
	CAPRENO	3.45 SC	EPOST	B		205		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L	EPOST	B		308		95.0	99.0	10.0	0.0	0.0	99.0
	WARRANT	3 ME	EPOST	B		410		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS		EPOST	B									
						Mean =		98.0	99.0	5.0	0.0	0.0	99.0
10	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		110		95.0	99.0	0.0	0.0	0.0	99.0
	LAUDIS	3.50 SC	EPOST	B		208		99.0	99.0	10.0	0.0	0.0	99.0
	ATRAZINE	4 L	EPOST	B		301		99.0	99.0	0.0	0.0	0.0	99.0
	N-PAK AMS		EPOST	B		403		99.0	99.0	0.0	0.0	0.0	99.0
						Mean =		98.0	99.0	2.5	0.0	0.0	99.0

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL											
Trial ID: CN-08-21		Study Dir.: KEITH RUCKER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date ARM Action Codes # Subsamples, Dec.											
	Rapra -----	Agrass -----	----- Zeama	----- Zeama	----- Zeama	----- Zeama	----- Zeama	----- Zeama	----- Zeama	----- Zeama	
	Control Percent Apr-29-21	Control Percent Apr-29-21	Stunt Percent May-13-21	Chlorosi Percent May-13-21	Necrosis Percent May-13-21	Necrosis Percent May-13-21	Necrosis Percent May-13-21	Necrosis Percent May-13-21	Necrosis Percent May-13-21	Control Percent May-13-21	
Trt Treatment No. Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot	13	14	15	16	17	18
11 ROUNDUP POWERMAX3	5.88	SL	EPOST	B	111	99.0	99.0	0.0	0.0	0.0	99.0
LAUDIS	3.50	SC	EPOST	B	202	99.0	99.0	0.0	0.0	0.0	99.0
ATRAZINE	4	L	EPOST	B	303	99.0	99.0	0.0	0.0	0.0	99.0
WARRANT	3	ME	EPOST	B	402	99.0	99.0	0.0	0.0	0.0	99.0
N-PAK AMS			EPOST	B							
			Mean =			99.0	99.0	0.0	0.0	0.0	99.0
12 HALEX GT	4.39	SC	EPOST	B	112	99.0	99.0	0.0	0.0	0.0	99.0
ATRAZINE	4	L	EPOST	B	206	99.0	99.0	0.0	0.0	0.0	99.0
INDUCE			EPOST	B	309	99.0	99.0	0.0	0.0	0.0	99.0
N-PAK AMS			EPOST	B	406	95.0	99.0	0.0	0.0	0.0	99.0
			Mean =			98.0	99.0	0.0	0.0	0.0	99.0

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					Rapra	Agrass	-----	-----		
Crop Code					-----	-----	ZEAMA	ZEAMA		
Part Rated							PLOT -	PLOT -		
Rating Data Type							YIELD	YIELD		
Rating Unit					Control	Control	LBS/PLOT	BU/A		
Rating Date					Percent	Percent	Sep-7-21	Sep-7-21		
ARM Action Codes					May-13-21	May-13-21		TY1		
# Subsamples, Dec.								- 1		
Trt	Treatment	Form	Form	Grow	Appl					
No.	Name	Conc	Type	Stg	Code	Plot	19	20		
							21	22		
1	NTC					101	0.0	0.0	31.0	157.3
						207	0.0	0.0	40.0	203.0
						302	0.0	0.0	40.0	203.0
						412	0.0	0.0	25.0	126.9
						Mean =	0.0	0.0	34.0	172.5
2	WARRANT	3 ME	PRE	A		102	70.0	99.0	47.0	238.5
	ATRAZINE	4 L	PRE	A		211	75.0	75.0	44.0	223.3
						305	65.0	85.0	50.0	253.7
						411	85.0	99.0	44.0	223.3
						Mean =	73.8	89.5	46.3	234.7
3	CORVUS	2.63 SC	PRE	A		103	99.0	99.0	55.0	279.1
	ATRAZINE	4 L	PRE	A		204	85.0	95.0	57.0	289.2
						306	90.0	99.0	56.0	284.1
						405	95.0	99.0	48.0	243.6
						Mean =	92.3	98.0	54.0	274.0
4	CORVUS	2.63 SC	PRE	A		104	99.0	99.0	52.0	263.8
	ATRAZINE	4 L	PRE	A		201	95.0	99.0	51.0	258.8
	WARRANT	3 ME	PRE	A		312	65.0	95.0	41.0	208.0
						409	95.0	99.0	41.0	208.0
						Mean =	88.5	98.0	46.3	234.7
5	ACURON	3.44 SC	PRE	A		105	99.0	95.0	53.0	268.9
						203	85.0	95.0	55.0	279.1
						304	90.0	95.0	55.0	279.1
						401	90.0	95.0	56.0	284.1
						Mean =	91.0	95.0	54.8	277.8
6	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		106	99.0	99.0	57.0	289.2
	WARRANT	3 ME	EPOST	B		212	65.0	95.0	46.0	233.4
	ATRAZINE	4 L	EPOST	B		307	99.0	99.0	50.0	253.7
	N-PAK AMS		EPOST	B		408	90.0	99.0	53.0	268.9
						Mean =	88.3	98.0	51.5	261.3
7	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		107	99.0	99.0	55.0	279.1
	HARNESS MAX	3.85 ME	EPOST	B		210	95.0	99.0	51.0	258.8
	ATRAZINE	4 L	EPOST	B		311	99.0	99.0	44.0	223.3
	N-PAK AMS		EPOST	B		404	95.0	99.0	54.0	274.0
						Mean =	97.0	99.0	51.0	258.8
8	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		108	95.0	95.0	53.0	268.9
	CAPRENO	3.45 SC	EPOST	B		209	95.0	85.0	39.0	197.9
	ATRAZINE	4 L	EPOST	B		310	90.0	99.0	49.0	248.6
	N-PAK AMS		EPOST	B		407	99.0	99.0	45.0	228.3
						Mean =	94.8	94.5	46.5	235.9
9	ROUNDUP POWERMAX3I	5.88 SL	EPOST	B		109	99.0	99.0	51.0	258.8
	CAPRENO	3.45 SC	EPOST	B		205	99.0	95.0	50.0	253.7
	ATRAZINE	4 L	EPOST	B		308	95.0	95.0	53.0	268.9
	WARRANT	3 ME	EPOST	B		410	99.0	99.0	51.0	258.8
	N-PAK AMS		EPOST	B						
						Mean =	98.0	97.0	51.3	260.0
10	ROUNDUP POWERMAX 3	5.88 SL	EPOST	B		110	95.0	95.0	59.0	299.4
	LAUDIS	3.50 SC	EPOST	B		208	90.0	99.0	52.0	263.8
	ATRAZINE	4 L	EPOST	B		301	99.0	99.0	55.0	279.1
	N-PAK AMS		EPOST	B		403	90.0	99.0	55.0	279.1
						Mean =	93.5	98.0	55.3	280.3

University of Georgia

1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					Rapra	Agrass	-----	-----		
Crop Code					-----	-----	ZEAMA	ZEAMA		
Part Rated							PLOT -	PLOT -		
Rating Data Type					Control	Control	YIELD	YIELD		
Rating Unit					Percent	Percent	LBS/PLOT	BU/A		
Rating Date					May-13-21	May-13-21	Sep-7-21	Sep-7-21		
ARM Action Codes								TY1		
# Subsamples, Dec.								- 1		
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot	19	20	21	22
11	ROUNDUP POWERMAX3	5.88	SL	EPOST	B	111	99.0	99.0	52.0	263.8
	LAUDIS	3.50	SC	EPOST	B	202	99.0	99.0	49.0	248.6
	ATRAZINE	4	L	EPOST	B	303	85.0	99.0	51.0	258.8
	WARRANT	3	ME	EPOST	B	402	99.0	99.0	52.0	263.8
	N-PAK AMS			EPOST	B					
						Mean =	95.5	99.0	51.0	258.8
12	HALEX GT	4.39	SC	EPOST	B	112	65.0	95.0	51.0	258.8
	ATRAZINE	4	L	EPOST	B	206	95.0	99.0	55.0	279.1
	INDUCE			EPOST	B	309	99.0	99.0	40.0	203.0
	N-PAK AMS			EPOST	B	406	90.0	95.0	53.0	268.9
						Mean =	87.3	97.0	49.8	252.4

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1-PASS PRE VS 1-PASS POST FIELD CORN WEED CONTROL

Trial ID: CN-08-21 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

ARM Action Codes

TY1 = 5.07402198*[21]