

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3

Plots: 6 by 25 feet

Appl. Amount: 15 GAL/AC

Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3
1	NO PRE NO POST							- -	101	211	303
2	NO PRE CALLISTO ATRAZINE PROWL H20 AGRIDEX	4 SC 4 L 3.8 SC		3.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	POST B POST B POST B POST B		2.344 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1407.7 mL	102	201	312
3	NO PRE LAUDIS ATRAZINE PROWL H20 AGRIDEX	3.5 SC 4 L 3.8 SC		3.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	POST B POST B POST B POST B		2.344 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1407.7 mL	103	206	302
4	NO PRE IMPACT ATRAZINE PROWL H20 AGRIDEX	2.8 SC 4 L 3.8 SC		1.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	POST B POST B POST B POST B		0.7812 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1409.2 mL	104	208	305
5	NO PRE SHIELDDEX ATRAZINE PROWL H20 AGRIDEX	3.33 SC 4 L 3.8 SC		1.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	POST B POST B POST B POST B		0.7812 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1409.2 mL	105	203	309
6	WARRANT NO POST	3 ME		48.0 oz/a	PRE A		37.5 mL/mx	1462.5 mL -	106	202	306
7	WARRANT CALLISTO ATRAZINE PROWL H20 AGRIDEX	3 ME 4 SC 4 L 3.8 SC		48.0 oz/a 3.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	PRE A POST B POST B POST B POST B		37.5 mL/mx 2.344 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1462.5 mL 1407.7 mL	107	212	308
8	WARRANT LAUDIS ATRAZINE PROWL H20 AGRIDEX	3 ME 3.5 SC 4 L 3.8 SC		48.0 oz/a 3.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	PRE A POST B POST B POST B POST B		37.5 mL/mx 2.344 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1462.5 mL 1407.7 mL	108	210	311
9	WARRANT IMPACT ATRAZINE PROWL H20 AGRIDEX	3 ME 2.8 SC 4 L 3.8 SC		48.0 oz/a 1.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	PRE A POST B POST B POST B POST B		37.5 mL/mx 0.7812 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1462.5 mL 1409.2 mL	109	205	304
10	WARRANT SHIELDDEX ATRAZINE PROWL H20 AGRIDEX	3 ME 3.33 SC 4 L 3.8 SC		48.0 oz/a 1.0 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	PRE A POST B POST B POST B POST B		37.5 mL/mx 0.7812 mL/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1462.5 mL 1409.2 mL	110	207	301
11	NO PRE REVULIN Q ATRAZINE PROWL H20 AGRIDEX	51.2 DG 4 L 3.8 SC		3.5 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	POST B POST B POST B POST B		2.621 g/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1407.4 mL	111	204	310
12	WARRANT REVULIN Q ATRAZINE PROWL H20 AGRIDEX	3 ME 51.2 DG 4 L 3.8 SC		48.0 oz/a 3.5 oz/a 64.0 oz/a 32.0 oz/a 1.0 % v/v	PRE A POST B POST B POST B POST B		37.5 mL/mx 2.621 g/mx 50.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1462.5 mL 1407.4 mL	112	209	307

Sort Order: Treatment

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22

Study Dir.:

Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

REVULIN Q = NICOSULFURON (14.4%) + MESOTRIONE (36.8%)

HARVEST DATE: 08/30/22

HARVEST MOISTURE: 18.7%

YIELDS ADJUSTED TO 15.5%

SUMMARY:

1) CORN INJURY WAS <7% WITH ALL TREATMENTS.

2) GENERALLY, PALMER AMARANTH AND ANNUAL GRASS WEED CONTROL WERE BETTER WHEN WARRANT WAS APPLIED PRE VS. NO PRE.

3) NO DIFFERENCES IN WEED CONTROL WERE OBSERVED BETWEEN THE HPPD'S.

4) NO DIFFERENCES IN CORN YIELD WERE OBSERVED.

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22 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 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.	AGRASS	TX	PAN/GOOSE/CRAB/CROW

Crop 1: ZEAMA FIELD CORN Variety: PIONEER 1870

Planting Date: Apr-4-22 Planting Method: MONOSEM

Rate: 36300 S/A Depth: 2 IN Perennial Age: _____

Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____

Soil Temperature: _____ Soil Moisture: WET Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 3

Site Type: _____

Tillage Type: CONVENTIONAL Study Design: FACTOR

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2021

MAINTENANCE

Field Prep./Maintenance: 1.5 TON/A LIME-PREPLANT

300 LBS/A 5-15-30-PREPLANT

131-0-0-16 SIDEDRESS

AXILO BMZ @ 2 LBS/A

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

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Trial ID: CN-01B-22

Study Dir.:

Location: PONDER FARM Investigator: Eric P. Prostko

SOIL DESCRIPTION

% Sand: 94 % OM: 0.8 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.8 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-5-22		1.36	IN	RAINFALL		
2.	Apr-6-22		0.43	IN	RAINFALL		
3.	Apr-12-22		0.5	IN	SPRINKLER - LATERAL MOVE		
4.	Apr-14-22		0.3	IN	SPRINKLER - LATERAL MOVE		
5.	Apr-17-22		0.16	IN	RAINFALL		
6.	Apr-18-22		0.53	IN	RAINFALL		
7.	Apr-27-22		0.75	IN	SPRINKLER - LATERAL MOVE		
8.	May-3-22		0.6	IN	SPRINKLER - LATERAL MOVE		
9.	May-5-22		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-6-22		0.45	IN	RAINFALL		
11.	May-10-22		0.25	IN	SPRINKLER - LATERAL MOVE		
12.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
13.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
14.	May-23-22		0.5	IN	SPRINKLER - LATERAL MOVE		
15.	May-24-22		1.8	IN	RAINFALL		
16.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
17.	Jun-8-22		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-4-22	Apr-26-22
Time of Day:	10:10 AM	7:30 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	65 F	65 F
% Relative Humidity:	37	91
Wind Velocity, Unit:	6 MPH	1 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	--	--
Soil Temp., Unit:	59 F	68 F
Soil Moisture:	WET	DRY
% Cloud Cover:	0	40

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID:

CN-01B-22

Study Dir.:

Location:

PONDER FARM

Investigator:

Eric P. Prostko

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V4
Height, Unit:		6, IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		1-2"
Density, Unit:		
Weed 2 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		0.5-1"
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	35	35
Nozzle Type:	AIXR	AIXR
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:		
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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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2														
Trial ID:		CN-01B-22		Study Dir.:										
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							-----	Amapa	Agrass	-----	Amapa	Agrass	-----	
Crop Code							Zeama	-----	-----	Zeama	-----	-----	Zeama	
Part Rated													Plant, -	
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control	Stunting	
Rating Unit							%	%	%	%	%	%	%	
Rating Date							Apr-21-22	Apr-21-22	Apr-21-22	May-6-22	May-6-22	May-6-22	May-19-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	1	2	3	4	5	6	
TABLE OF R MEANS														
Replicate 1								0.0	49.5	48.8	5.0	90.8	89.6	4.2
Replicate 2								0.4	49.5	49.2	5.4	89.6	89.6	1.3
Replicate 3								0.0	49.5	49.5	4.2	90.8	90.8	1.7
TABLE OF A (PRE) MEANS														
1	NO PRE							0.0 a	0.0 b	0.0 b	3.9 a	82.5 b	82.5 b	1.1 a
2	WARRANT	3	ME	48.0	oz/a	PRE	A	0.3 a	99.0 a	98.3 a	5.8 a	98.2 a	97.4 a	3.6 a
LSD P=.10								0.81	.	1.27	3.54	2.27	2.27	4.21
Standard Deviation								0.83	0.00	1.30	3.63	2.33	2.33	4.33
CV								600.00	0.00	2.65	74.72	2.58	2.59	183.39
TABLE OF B (POST) MEANS														
1	NO POST							0.8 a	49.5 a	48.0 a	3.3 a	47.2 b	44.8 b	2.5 a
2	CALLISTO	4	SC	3.0	oz/a	POST	B	0.0 a	49.5 a	49.5 a	4.2 a	99.0 a	99.0 a	3.3 a
2	ATRAZINE	4	L	64.0	oz/a	POST	B							
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
2	AGRIDEX			1.0	% v/v	POST	B							
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B	0.0 a	49.5 a	49.5 a	5.8 a	99.0 a	99.0 a	0.0 a
3	ATRAZINE	4	L	64.0	oz/a	POST	B							
3	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
3	AGRIDEX			1.0	% v/v	POST	B							
4	IMPACT	2.8	SC	1.0	oz/a	POST	B	0.0 a	49.5 a	48.8 a	5.0 a	99.0 a	99.0 a	2.5 a
4	ATRAZINE	4	L	64.0	oz/a	POST	B							
4	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
4	AGRIDEX			1.0	% v/v	POST	B							
5	SHIELDX	3.33	SC	1.0	oz/a	POST	B	0.0 a	49.5 a	49.5 a	6.7 a	99.0 a	99.0 a	3.3 a
5	ATRAZINE	4	L	64.0	oz/a	POST	B							
5	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
5	AGRIDEX			1.0	% v/v	POST	B							
6	REVULIN Q	51.2	DG	3.5	oz/a	POST	B	0.0 a	49.5 a	49.5 a	4.2 a	99.0 a	99.0 a	2.5 a
6	ATRAZINE	4	L	64.0	oz/a	POST	B							
6	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
6	AGRIDEX			1.0	% v/v	POST	B							
LSD P=.10								0.87	.	1.78	4.15	2.44	2.44	5.04
Standard Deviation								0.83	0.00	1.70	3.96	2.33	2.33	4.82
CV								600.00	0.00	3.46	81.50	2.58	2.59	203.97
TABLE OF A (PRE) B (POST) MEANS														
1	NO PRE							0.0 a	0.0 b	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
1	NO POST													
2	WARRANT	3	ME	48.0	oz/a	PRE	A	1.7 a	99.0 a	96.0 a	6.7 a	94.3 b	89.7 b	5.0 a
1	NO POST													
1	NO PRE							0.0 a	0.0 b	0.0 a	1.7 a	99.0 a	99.0 a	0.0 a
2	CALLISTO	4	SC	3.0	oz/a	POST	B							
2	ATRAZINE	4	L	64.0	oz/a	POST	B							
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
2	AGRIDEX			1.0	% v/v	POST	B							

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.

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2													
Trial ID:		CN-01B-22		Study Dir.:									
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							-----	Amapa	Agrass	-----	Amapa	Agrass	-----
Crop Code							Zeama	----	----	Zeama	----	----	Zeama
Part Rated													Plant, -
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control	Stunting
Rating Unit							%	%	%	%	%	%	%
Rating Date							Apr-21-22	Apr-21-22	Apr-21-22	May-6-22	May-6-22	May-6-22	May-19-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
2	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 a	99.0 a	99.0 a	6.7 a	99.0 a	99.0 a	6.7 a
2	CALLISTO	4 SC		3.0 oz/a	POST	B							
2	ATRAZINE	4 L		64.0 oz/a	POST	B							
2	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
2	AGRIDEX			1.0 % v/v	POST	B							
1	NO PRE						0.0 a	0.0 b	0.0 a	5.0 a	99.0 a	99.0 a	0.0 a
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B							
3	ATRAZINE	4 L		64.0 oz/a	POST	B							
3	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
3	AGRIDEX			1.0 % v/v	POST	B							
2	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 a	99.0 a	99.0 a	6.7 a	99.0 a	99.0 a	0.0 a
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B							
3	ATRAZINE	4 L		64.0 oz/a	POST	B							
3	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
3	AGRIDEX			1.0 % v/v	POST	B							
1	NO PRE						0.0 a	0.0 b	0.0 a	3.3 a	99.0 a	99.0 a	0.0 a
4	IMPACT	2.8 SC		1.0 oz/a	POST	B							
4	ATRAZINE	4 L		64.0 oz/a	POST	B							
4	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
4	AGRIDEX			1.0 % v/v	POST	B							
2	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 a	99.0 a	97.7 a	6.7 a	99.0 a	99.0 a	5.0 a
4	IMPACT	2.8 SC		1.0 oz/a	POST	B							
4	ATRAZINE	4 L		64.0 oz/a	POST	B							
4	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
4	AGRIDEX			1.0 % v/v	POST	B							
1	NO PRE						0.0 a	0.0 b	0.0 a	10.0 a	99.0 a	99.0 a	6.7 a
5	SHIELDEX	3.33 SC		1.0 oz/a	POST	B							
5	ATRAZINE	4 L		64.0 oz/a	POST	B							
5	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
5	AGRIDEX			1.0 % v/v	POST	B							
2	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 a	99.0 a	99.0 a	3.3 a	99.0 a	99.0 a	0.0 a
5	SHIELDEX	3.33 SC		1.0 oz/a	POST	B							
5	ATRAZINE	4 L		64.0 oz/a	POST	B							
5	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
5	AGRIDEX			1.0 % v/v	POST	B							
1	NO PRE						0.0 a	0.0 b	0.0 a	3.3 a	99.0 a	99.0 a	0.0 a
6	REVULIN Q	51.2 DG		3.5 oz/a	POST	B							
6	ATRAZINE	4 L		64.0 oz/a	POST	B							
6	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
6	AGRIDEX			1.0 % v/v	POST	B							
2	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	5.0 a
6	REVULIN Q	51.2 DG		3.5 oz/a	POST	B							
6	ATRAZINE	4 L		64.0 oz/a	POST	B							
6	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
6	AGRIDEX			1.0 % v/v	POST	B							
LSD P=.10							1.23	.	2.52	5.54	3.45	3.45	7.46
Standard Deviation							0.83	0.00	1.70	3.75	2.33	2.33	5.04
CV							600.00	0.00	3.46	77.05	2.58	2.59	213.52

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.

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2											
Trial ID:		CN-01B-22		Study Dir.:							
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							Amapa	Amapa	Agrass	-----	-----
Crop Code							-----	-----		Zeama	Zeama
Part Rated											
Rating Data Type							Control	Control	Control	Yield	YIELD
Rating Unit							%	%	%	Lbs/plot	Bu/A
Rating Date							May-19-22	Jun-6-22	Jun-6-22	Aug-30-22	Aug-30-22
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	8	9	10	
										11	12
TABLE OF R MEANS											
Replicate 1								90.8	91.3	85.4	28.6
Replicate 2								90.4	90.8	86.3	27.2
Replicate 3								90.0	91.3	91.3	25.3
TABLE OF A (PRE) MEANS											
1	NO PRE							82.5 b	83.1 b	82.8 b	25.0 a
2	WARRANT	3 ME	48.0 oz/a	PRE	A		98.3 a	99.2 a	92.5 a	29.1 a	
LSD P=.10							1.27	2.15	9.03	7.81	
Standard Deviation							1.30	2.20	9.28	8.02	
CV							1.44	2.42	10.59	29.66	
TABLE OF B (POST) MEANS											
1	NO POST							47.3 b	48.3 b	30.8 b	21.8 a
2	CALLISTO	4 SC	3.0 oz/a	POST	B		99.0 a	99.2 a	99.2 a	26.3 a	
2	ATRAZINE	4 L	64.0 oz/a	POST	B						
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
2	AGRIDEX		1.0 % v/v	POST	B						
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B		99.0 a	100.0 a	100.0 a	27.7 a	
3	ATRAZINE	4 L	64.0 oz/a	POST	B						
3	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
3	AGRIDEX		1.0 % v/v	POST	B						
4	IMPACT	2.8 SC	1.0 oz/a	POST	B		99.0 a	99.2 a	96.7 a	28.3 a	
4	ATRAZINE	4 L	64.0 oz/a	POST	B						
4	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
4	AGRIDEX		1.0 % v/v	POST	B						
5	SHIELDDEX	3.33 SC	1.0 oz/a	POST	B		99.0 a	100.0 a	99.2 a	28.2 a	
5	ATRAZINE	4 L	64.0 oz/a	POST	B						
5	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
5	AGRIDEX		1.0 % v/v	POST	B						
6	REVULIN Q	51.2 DG	3.5 oz/a	POST	B		99.0 a	100.0 a	100.0 a	30.0 a	
6	ATRAZINE	4 L	64.0 oz/a	POST	B						
6	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
6	AGRIDEX		1.0 % v/v	POST	B						
LSD P=.10							1.36	1.61	8.72	4.79	
Standard Deviation							1.30	1.54	8.33	4.57	
CV							1.44	1.69	9.51	16.92	
TABLE OF A (PRE) B (POST) MEANS											
1	NO PRE							0.0 c	0.0 c	0.0 c	19.0 a
1	NO POST										94.8 a
2	WARRANT	3 ME	48.0 oz/a	PRE	A		94.7 b	96.7 b	61.7 b	24.5 a	
1	NO POST										122.2 a
1	NO PRE							99.0 a	98.3 ab	98.3 a	24.7 a
2	CALLISTO	4 SC	3.0 oz/a	POST	B						
2	ATRAZINE	4 L	64.0 oz/a	POST	B						
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B						
2	AGRIDEX		1.0 % v/v	POST	B						

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2										
Trial ID:		CN-01B-22		Study Dir.:						
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code					Amapa		Amapa	Agrass	-----	-----
Crop Code					-----		-----		Zeama	Zeama
Part Rated										
Rating Data Type					Control		Control	Control	Yield	YIELD
Rating Unit					%		%	%	Lbs/plot	Bu/A
Rating Date					May-19-22		Jun-6-22	Jun-6-22	Aug-30-22	Aug-30-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	8	9	10	11
2	WARRANT	3	ME	48.0 oz/a	PRE	A	99.0 a	100.0 a	100.0 a	28.0 a
2	CALLISTO	4	SC	3.0 oz/a	POST	B				139.7 a
2	ATRAZINE	4	L	64.0 oz/a	POST	B				
2	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
2	AGRIDEX			1.0 % v/v	POST	B				
1	NO PRE						99.0 a	100.0 a	100.0 a	24.3 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				121.4 a
3	ATRAZINE	4	L	64.0 oz/a	POST	B				
3	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
3	AGRIDEX			1.0 % v/v	POST	B				
2	WARRANT	3	ME	48.0 oz/a	PRE	A	99.0 a	100.0 a	100.0 a	31.0 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				154.7 a
3	ATRAZINE	4	L	64.0 oz/a	POST	B				
3	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
3	AGRIDEX			1.0 % v/v	POST	B				
1	NO PRE						99.0 a	100.0 a	100.0 a	27.7 a
4	IMPACT	2.8	SC	1.0 oz/a	POST	B				138.0 a
4	ATRAZINE	4	L	64.0 oz/a	POST	B				
4	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
4	AGRIDEX			1.0 % v/v	POST	B				
2	WARRANT	3	ME	48.0 oz/a	PRE	A	99.0 a	98.3 ab	93.3 a	29.0 a
4	IMPACT	2.8	SC	1.0 oz/a	POST	B				144.7 a
4	ATRAZINE	4	L	64.0 oz/a	POST	B				
4	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
4	AGRIDEX			1.0 % v/v	POST	B				
1	NO PRE						99.0 a	100.0 a	98.3 a	25.0 a
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B				124.7 a
5	ATRAZINE	4	L	64.0 oz/a	POST	B				
5	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
5	AGRIDEX			1.0 % v/v	POST	B				
2	WARRANT	3	ME	48.0 oz/a	PRE	A	99.0 a	100.0 a	100.0 a	31.3 a
5	SHIELDEX	3.33	SC	1.0 oz/a	POST	B				156.3 a
5	ATRAZINE	4	L	64.0 oz/a	POST	B				
5	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
5	AGRIDEX			1.0 % v/v	POST	B				
1	NO PRE						99.0 a	100.0 a	100.0 a	29.3 a
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B				146.4 a
6	ATRAZINE	4	L	64.0 oz/a	POST	B				
6	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
6	AGRIDEX			1.0 % v/v	POST	B				
2	WARRANT	3	ME	48.0 oz/a	PRE	A	99.0 a	100.0 a	100.0 a	30.7 a
6	REVULIN Q	51.2	DG	3.5 oz/a	POST	B				153.0 a
6	ATRAZINE	4	L	64.0 oz/a	POST	B				
6	PROWL H20	3.8	SC	32.0 oz/a	POST	B				
6	AGRIDEX			1.0 % v/v	POST	B				
LSD P=.10							1.93	1.83	12.91	7.62
Standard Deviation							1.30	1.24	8.72	5.09
CV							1.44	1.36	9.95	18.83

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2						
Trial ID:	CN-01B-22	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-21-22 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	24.305556				
R	2	1.388889	0.694444	1.000	0.4019	
A	1	0.694444	0.694444	1.000	0.4226	0.8
RA	2	1.388889	0.694444			
B	5	3.472222	0.694444	1.000	0.4651	0.9
RB	10	6.944444	0.694444			
AB	5	3.472222	0.694444	1.000	0.4651	1.2
RAB	10	6.944444	0.694444			

COMPLETE FACTORIAL AOV For Amapa ----- Control % Apr-21-22 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	88209.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	1	88209.000000	88209.000000	0.000	1.0000	.
RA	2	0.000000	0.000000			
B	5	0.000000	0.000000	0.000	1.0000	.
RB	10	0.000000	0.000000			
AB	5	0.000000	0.000000	0.000	1.0000	.
RAB	10	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass ---- Control % Apr-21-22 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	87014.305556				
R	2	3.388889	1.694444	0.585	0.5749	
A	1	86926.694444	86926.694444	51301.005	0.0001	1.3
RA	2	3.388889	1.694444			
B	5	11.472222	2.294444	0.793	0.5786	1.8
RB	10	28.944444	2.894444			
AB	5	11.472222	2.294444	0.793	0.5786	2.5
RAB	10	28.944444	2.894444			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % May-6-22 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	574.305556				
R	2	9.722222	4.861111	0.347	0.7153	
A	1	34.027778	34.027778	2.579	0.2495	3.5
RA	2	26.388889	13.194444			
B	5	45.138889	9.027778	0.575	0.7185	4.1
RB	10	156.944444	15.694444			
AB	5	161.805556	32.361111	2.307	0.1221	5.5
RAB	10	140.277778	14.027778			

COMPLETE FACTORIAL AOV For Amapa ---- Control % May-6-22 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26912.305556				
R	2	10.888889	5.444444	1.000	0.4019	
A	1	2224.694444	2224.694444	408.617	0.0024	2.3
RA	2	10.888889	5.444444			
B	5	13433.472222	2686.694444	493.475	0.0001	2.4
RB	10	54.444444	5.444444			
AB	5	11123.472222	2224.694444	408.617	0.0001	3.5
RAB	10	54.444444	5.444444			

COMPLETE FACTORIAL AOV For Agrass ----- Control % May-6-22 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26860.972222				
R	2	10.888889	5.444444	1.000	0.4019	
A	1	2010.027778	2010.027778	369.189	0.0027	2.3
RA	2	10.888889	5.444444			
B	5	14670.138889	2934.027778	538.903	0.0001	2.4
RB	10	54.444444	5.444444			
AB	5	10050.138889	2010.027778	369.189	0.0001	3.5
RAB	10	54.444444	5.444444			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2							
Trial ID:	CN-01B-22	Study Dir.:					
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For ----- Zeama Plant Stunting % May-19-22 (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	874.305556					
R	2	59.722222	29.861111	1.175	0.3481		
A	1	56.250000	56.250000	3.000	0.2254		4.2
RA	2	37.500000	18.750000				
B	5	45.138889	9.027778	0.389	0.8453		5.0
RB	10	231.944444	23.194444				
AB	5	189.583333	37.916667	1.492	0.2756		7.5
RAB	10	254.166667	25.416667				
COMPLETE FACTORIAL AOV For Amapa ----- Control % May-19-22 (Data Column 8)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	26830.555556					
R	2	3.388889	1.694444	1.000	0.4019		
A	1	2240.444444	2240.444444	1322.230	0.0008		1.3
RA	2	3.388889	1.694444				
B	5	13347.222222	2669.444444	1575.410	0.0001		1.4
RB	10	16.944444	1.694444				
AB	5	11202.222222	2240.444444	1322.230	0.0001		1.9
RAB	10	16.944444	1.694444				
COMPLETE FACTORIAL AOV For Amapa ----- Control % Jun-6-22 (Data Column 9)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	27255.555556					
R	2	1.388889	0.694444	0.455	0.6472		
A	1	2336.111111	2336.111111	480.571	0.0021		2.1
RA	2	9.722222	4.861111				
B	5	13180.555556	2636.111111	1116.471	0.0001		1.6
RB	10	23.611111	2.361111				
AB	5	11688.888889	2337.777778	1530.182	0.0001		1.8
RAB	10	15.277778	1.527778				
COMPLETE FACTORIAL AOV For Agrass Control % Jun-6-22 (Data Column 10)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	35	30924.305556					
R	2	238.888889	119.444444	1.569	0.2554		
A	1	850.694444	850.694444	9.879	0.0881		9.0
RA	2	172.222222	86.111111				
B	5	23278.472222	4655.694444	67.042	0.0001		8.7
RB	10	69.444444	6.944444				
AB	5	4928.472222	985.694444	12.951	0.0004		12.9
RAB	10	76.111111	7.611111				
COMPLETE FACTORIAL AOV For ----- Zeama Yield Lbs/plot Aug-30-22 (Data Column 11) Missing values in column 11 results in unbalanced data, Least Squares Analysis is preferred							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	34	1074.187500					
R	2	65.291667	32.645833	1.259	0.3294		
A	1	150.062500	150.062500	2.333	0.2662		7.8
RA	2	128.625000	64.312500				
B	5	243.479167	48.695833	2.327	0.1198		4.8
RB	10	209.291667	20.929167				
AB	5	44.145833	8.829167	0.341	0.8759		7.6
RAB	9	233.291667	25.921296				
COMPLETE FACTORIAL AOV For ----- Zeama YIELD Bu/A Aug-30-22 (Data Column 12) Missing values in column 12 results in unbalanced data, Least Squares Analysis is preferred							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	34	26740.217678					
R	2	1625.333919	812.666960	1.259	0.3294		
A	1	3735.571225	3735.571225	2.333	0.2662		38.9
RA	2	3201.918193	1600.959096				
B	5	6061.033029	1212.206606	2.327	0.1198		23.9
RB	10	5209.988689	520.998869				
AB	5	1098.941472	219.788294	0.341	0.8759		38.0
RAB	9	5807.431151	645.270128				

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES		
NO ROUNDUP OR LIBERTY - TEST 2		
Trial ID:	CN-01B-22	Study Dir.:
Location:	PONDER FARM	Investigator: Eric P. Prostko
<u>Part Rated</u>		
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)		
<u>Rating Data Type</u>		
Yield = YIELD		
<u>Rating Unit</u>		
% = PERCENT		
<u>ARM Action Codes</u>		
TY1 = 4.98933221*[11]		

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES														
NO ROUNDUP OR LIBERTY - TEST 2														
Trial ID:		CN-01B-22		Study Dir.:										
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							-----	Amapa	Agrass	-----	Amapa	Agrass		
Crop Code							Zeama	-----	-----	Zeama	-----	-----		
Part Rated														
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control		
Rating Unit							%	%	%	%	%	%		
Rating Date							Apr-21-22	Apr-21-22	Apr-21-22	May-6-22	May-6-22	May-6-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
1	NO PRE						101		0.0	0.0	0.0	0.0	0.0	0.0
	NO POST						211		0.0	0.0	0.0	0.0	0.0	0.0
							303		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	NO PRE						102		0.0	0.0	0.0	5.0	99.0	99.0
	CALLISTO	4 SC		3.0 oz/a		POST B	201		0.0	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B	312		0.0	0.0	0.0	0.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	0.0	0.0	1.7	99.0	99.0
3	NO PRE						103		0.0	0.0	0.0	5.0	99.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	206		0.0	0.0	0.0	5.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B	302		0.0	0.0	0.0	5.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	0.0	0.0	5.0	99.0	99.0
4	NO PRE						104		0.0	0.0	0.0	5.0	99.0	99.0
	IMPACT	2.8 SC		1.0 oz/a		POST B	208		0.0	0.0	0.0	5.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B	305		0.0	0.0	0.0	0.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	0.0	0.0	3.3	99.0	99.0
5	NO PRE						105		0.0	0.0	0.0	10.0	99.0	99.0
	SHIELDEX	3.33 SC		1.0 oz/a		POST B	203		0.0	0.0	0.0	5.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B	309		0.0	0.0	0.0	15.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	0.0	0.0	10.0	99.0	99.0
6	WARRANT	3 ME		48.0 oz/a		PRE	A	106	0.0	99.0	90.0	10.0	99.0	85.0
	NO POST							202	5.0	99.0	99.0	5.0	85.0	85.0
								306	0.0	99.0	99.0	5.0	99.0	99.0
							Mean =		1.7	99.0	96.0	6.7	94.3	89.7
7	WARRANT	3 ME		48.0 oz/a		PRE	A	107	0.0	99.0	99.0	5.0	99.0	99.0
	CALLISTO	4 SC		3.0 oz/a		POST B		212	0.0	99.0	99.0	5.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B		308	0.0	99.0	99.0	10.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	99.0	99.0	6.7	99.0	99.0
8	WARRANT	3 ME		48.0 oz/a		PRE	A	108	0.0	99.0	99.0	5.0	99.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B		210	0.0	99.0	99.0	10.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B		311	0.0	99.0	99.0	5.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	99.0	99.0	6.7	99.0	99.0
9	WARRANT	3 ME		48.0 oz/a		PRE	A	109	0.0	99.0	99.0	10.0	99.0	99.0
	IMPACT	2.8 SC		1.0 oz/a		POST B		205	0.0	99.0	95.0	5.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a		POST B		304	0.0	99.0	99.0	5.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B								
	AGRIDEX			1.0 % v/v		POST B								
							Mean =		0.0	99.0	97.7	6.7	99.0	99.0

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	Amapa	Agrass	-----	Amapa	Agrass		
Crop Code							Zeama	-----	-----	Zeama	-----	-----		
Part Rated														
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control		
Rating Unit							%	%	%	%	%	%		
Rating Date							Apr-21-22	Apr-21-22	Apr-21-22	May-6-22	May-6-22	May-6-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	0.0	99.0	99.0	5.0	99.0	99.0
	SHIELDEX	3.33	SC	1.0	oz/a	POST	B	207	0.0	99.0	99.0	5.0	99.0	99.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	301	0.0	99.0	99.0	0.0	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
	Mean =								0.0	99.0	99.0	3.3	99.0	99.0
11	NO PRE							111	0.0	0.0	0.0	0.0	99.0	99.0
	REVULIN Q	51.2	DG	3.5	oz/a	POST	B	204	0.0	0.0	0.0	5.0	99.0	99.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	310	0.0	0.0	0.0	5.0	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
	Mean =								0.0	0.0	0.0	3.3	99.0	99.0
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	0.0	99.0	99.0	0.0	99.0	99.0
	REVULIN Q	51.2	DG	3.5	oz/a	POST	B	209	0.0	99.0	99.0	15.0	99.0	99.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	307	0.0	99.0	99.0	0.0	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
	Mean =								0.0	99.0	99.0	5.0	99.0	99.0

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES NO ROUNDUP OR LIBERTY - TEST 2											
Trial ID: CN-01B-22		Study Dir.:									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Plant, - Stunting % May-19-22	Amapa ----- Control % May-19-22	Amapa ----- Control % Jun-6-22	Agrass Control % Jun-6-22	----- Zeama Yield Lbs/plot Aug-30-22	----- Zeama YIELD Bu/A Aug-30-22
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NO PRE							101	0.0	0.0	64.9
	NO POST							211	0.0	0.0	134.7
								303	0.0	0.0	84.8
								Mean =	0.0	0.0	94.8
2	NO PRE							102	0.0	99.0	104.8
	CALLISTO	4 SC		3.0 oz/a		POST B		201	0.0	99.0	129.7
	ATRAZINE	4 L		64.0 oz/a		POST B		312	0.0	99.0	134.7
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	0.0	99.0	123.1
3	NO PRE							103	0.0	99.0	119.7
	LAUDIS	3.5 SC		3.0 oz/a		POST B		206	0.0	99.0	109.8
	ATRAZINE	4 L		64.0 oz/a		POST B		302	0.0	99.0	134.7
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	0.0	99.0	121.4
4	NO PRE							104	0.0	99.0	124.7
	IMPACT	2.8 SC		1.0 oz/a		POST B		208	0.0	99.0	139.7
	ATRAZINE	4 L		64.0 oz/a		POST B		305	0.0	99.0	149.7
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	0.0	99.0	138.0
5	NO PRE							105	10.0	99.0	109.8
	SHIELDEX	3.33 SC		1.0 oz/a		POST B		203	0.0	99.0	124.7
	ATRAZINE	4 L		64.0 oz/a		POST B		309	10.0	99.0	139.7
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	6.7	99.0	124.7
6	WARRANT	3 ME		48.0 oz/a		PRE A		106	15.0	99.0	129.7
	NO POST							202	0.0	95.0	114.8
								306	0.0	90.0	122.2
								Mean =	5.0	94.7	122.2
7	WARRANT	3 ME		48.0 oz/a		PRE A		107	10.0	99.0	154.7
	CALLISTO	4 SC		3.0 oz/a		POST B		212	0.0	99.0	149.7
	ATRAZINE	4 L		64.0 oz/a		POST B		308	10.0	99.0	114.8
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	6.7	99.0	139.7
8	WARRANT	3 ME		48.0 oz/a		PRE A		108	0.0	99.0	184.6
	LAUDIS	3.5 SC		3.0 oz/a		POST B		210	0.0	99.0	154.7
	ATRAZINE	4 L		64.0 oz/a		POST B		311	0.0	99.0	124.7
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	0.0	99.0	154.7
9	WARRANT	3 ME		48.0 oz/a		PRE A		109	15.0	99.0	184.6
	IMPACT	2.8 SC		1.0 oz/a		POST B		205	0.0	99.0	134.7
	ATRAZINE	4 L		64.0 oz/a		POST B		304	0.0	99.0	114.8
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	AGRIDEX			1.0 % v/v		POST B					
								Mean =	5.0	99.0	144.7

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WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date								----- Zeama Plant, - Stunting % May-19-22	Amapa ----- Control % May-19-22	Amapa ----- Control % Jun-6-22	Agrass Control % Jun-6-22	----- Zeama Yield Lbs/plot Aug-30-22	----- Zeama YIELD Bu/A Aug-30-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	0.0	99.0	100.0	100.0	35.0	174.6
	SHIELDEX	3.33	SC	1.0	oz/a	POST	B	207	0.0	99.0	100.0	100.0	32.0	159.7
	ATRAZINE	4	L	64.0	oz/a	POST	B	301	0.0	99.0	100.0	100.0	27.0	134.7
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
								Mean =	0.0	99.0	100.0	100.0	31.3	156.3
11	NO PRE							111	0.0	99.0	100.0	100.0	41.0	204.6
	REVULIN Q	51.2	DG	3.5	oz/a	POST	B	204	0.0	99.0	100.0	100.0	22.0	109.8
	ATRAZINE	4	L	64.0	oz/a	POST	B	310	0.0	99.0	100.0	100.0	25.0	124.7
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
								Mean =	0.0	99.0	100.0	100.0	29.3	146.4
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	0.0	99.0	100.0	100.0	33.0	164.6
	REVULIN Q	51.2	DG	3.5	oz/a	POST	B	209	15.0	99.0	100.0	100.0	30.0	149.7
	ATRAZINE	4	L	64.0	oz/a	POST	B	307	0.0	99.0	100.0	100.0	29.0	144.7
	PROWL H20	3.8	SC	32.0	oz/a	POST	B							
	AGRIDEX			1.0	% v/v	POST	B							
								Mean =	5.0	99.0	100.0	100.0	30.7	153.0

University of Georgia

WEED CONTROL IN FIELD CORN WITH HPPD HERBICIDES

NO ROUNDUP OR LIBERTY - TEST 2

Trial ID: CN-01B-22 Study Dir.:

Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Rating Data Type

Yield = YIELD

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 4.98933221*[11]