University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3
1	NO PRE									-	101	207	308
	NO POST									-			
2	NO PRE									-	102	201	306
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1482.7 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
3	NO PRE									-	103	210	312
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	1484.0 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
4	NO PRE									-	104	208	304
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	15 GAL/AC	1.055 mL/mx	1483.9 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	105	202	303
	NO POST									-			
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	106	203	302
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1482.7 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	107	212	307
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	1484.0 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	108	205	310
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	15 GAL/AC	1.055 mL/mx	1483.9 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
9	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	109	204	309
	NO POST									-			
10	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	110	211	305
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1482.7 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
11	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	111	206	311
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	1484.0 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
12	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	112	209	301
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	15 GAL/AC	1.055 mL/mx	1483.9 mL			
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				

Sort Order: Treatment

Trial Comments

HARVEST MOISTURE: 16.63%
YIELDS ADJUSTED TO 15.5%

SUMMARY:

1) ON APRIL 18 (21 DAP), DUAL II MAGNUM PROVIDED BETTER CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES THAN WARRANT. BUT, BOTH HERBICIDES WERE NOT EFFECTIVE ON WILD RADISH (<45% CONTROL).

2) ON APRIL 28 (8 DAT), SHIELDEX CAUSED MORE BLEACHING THAN LAUDIS OR IMPACT.

3) ON APRIL 28 (8 DAT), WILD RADISH CONTROL WAS EQUIVALENT BETWEEN LAUDIS, IMPACT, AND SHIELDEX.

4) ON JUNE 13 (77 DAP), THE FOLLOWING OBSERVATIONS WERE MADE:

A) PALMER AMARANTH AND ANNUAL GRASS CONTROL WAS BETTER WHEN DUAL II OR WARRANT WERE APPLIED PRE. ANNUAL GRASS CONTROL WITH DUAL II WAS BETTER THAN WARRANT.

B) PALMER AMARANTH CONTROL WAS AS FOLLOWS: SHIELDEX (90%) > IMPACT (78%) > LAUDIS (53%).

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Trial ID:	CN-04-22	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

C) NO DIFFERENCES IN ANNUAL GRASS CONTROL BETWEEN LAUDIS, IMPACT, OR SHIELDEX.

5) ALL TREATMENTS RESULTED IN GREATER YIELDS THAN THE NTC. CORN YIELDS WERE LOWER WHEN LAUDIS WAS APPLIED ALONE (NO PRE) IN COMPARISON TO OTHER TREATMENTS. DUAL II FB SHIELDEX YIELDS WERE GREATER THAN DUAL II FB LAUDIS YIELDS.

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Trial ID: CN-04-22 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/.CROW/CRAB/GOOSE
3.	RAPRA	**WI**	LD RADISH
4.	MOLVE	**CA**	RPETWEED
5.	SPEAR	**CO**	RN SPURRY
6.	LAMAM	**HE**	NBIT

Crop 1: ZEAMA FIELD CORN **Variety:** DKC-6895
Planting Date: Mar-28-22 **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:** NORMAL **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 TONS/A LIME-PREPLANT (03/16/22)
700 LBS/A 5-15-30-PREPLANT (03/28/22)
131-0-0-16 SIDEDRESS ON 04/21/22 AND 05/04/22

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WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
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AXILO BMZ @ 2 LBS/A ON 04/26/22

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

SOIL DESCRIPTION

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

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-29-22		0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-31-22		1.65	IN	RAINFALL		
3.	Apr-5-22		1.36	IN	RAINFALL		
4.	Apr-6-22		0.43	IN	RAINFALL		
5.	Apr-17-22		0.16	IN	RAINFALL		
6.	Apr-18-22		0.53	IN	RAINFALL		
7.	Apr-27-22		0.3	IN	SPRINKLER - LATERAL MOVE		
8.	Apr-28-22		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-2-22		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-3-22		0.3	IN	SPRINKLER - LATERAL MOVE		
11.	May-5-22		0.3	IN	SPRINKLER - LATERAL MOVE		
12.	May-6-22		0.45	IN	RAINFALL		
13.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
14.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
15.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-24-22		0.5	IN	SPRINKLER - LATERAL MOVE		
17.	May-24-22		1.8	IN	RAINFALL		
18.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions: _____

Closest Weather Station: _____ **Distance:** _____ **Unit:** __

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Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

	A	B
Application Date:	Mar-29-22	Apr-20-22
Time of Day:	8:50 am	7:57 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	54 F	46 F
% Relative Humidity:	72	84
Wind Velocity, Unit:	2 MPH	2 MPH
Dew Presence (Y/N):		Y
Water Hardness:	--	--
Soil Temp., Unit:	58 F	50 F
Soil Moisture:	ADEQUATE	OPTIMUM
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V4
Height, Unit:		7, 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:		1-3"
Density, Unit:		
Weed 3 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		1-3"
Density, Unit:		
Weed 4 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		
Weed 5 Code, Stage:	SPEAR,	SPEAR,
Stage Scale:		1-3"
Density, Unit:		
Weed 6 Code, Stage:	LAMAM,	LAMAM,
Stage Scale:		
Density, Unit:		

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME
Operating Pressure:	35	
Nozzle Type:	AIXR	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	20 IN	
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:	60 IN	
Boom Height, Unit:	20 IN	
Ground Speed, Unit:	3.5 MPH	
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	WATER	
Spray Volume, Unit:	15 GPA	
Spray pH:		
Propellant:	CO2	
Tank Mix (Y/N):		

Trt No	Treatment Application Comment

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
Weed Code								Zeama	Zeama	Amapa	Agrass	Rapra	Lamam
Crop Code													
Part Rated													
Rating Data Type								Stunting	Stunting	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Rating Date								Apr-11-22	Apr-18-22	Apr-18-22	Apr-18-22	Apr-18-22	Apr-18-22
TABLE OF R MEANS													
Replicate 1								0.8	0.8	59.8	31.6	20.0	62.8
Replicate 2								0.0	0.4	51.3	35.4	32.5	62.3
Replicate 3								0.0	0.0	60.8	50.8	26.3	62.8
TABLE OF A (PRE) MEANS													
1	NO PRE							0.0 a	0.0 a	0.0 c	0.0 b	0.0 a	0.0 c
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.4 a	1.3 a	94.0 a	87.8 a	44.6 a	95.7 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.4 a	0.0 a	77.9 b	30.0 b	34.2 a	92.3 b
LSD P=.10								0.73	1.26	11.45	32.81	42.99	2.80
Standard Deviation								0.83	1.44	13.15	37.70	49.39	3.21
CV								300.00	346.41	22.95	95.99	188.16	5.13
TABLE OF B (POST) MEANS													
1	NO POST							0.6 a	1.1 a	54.9 a	34.9 a	38.9 a	63.8 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	0.6 a	0.6 a	57.8 a	41.1 a	25.6 a	62.7 a
2	AGRIDEX			1.0	% v/v	POST	B						
3	IMPACT	2.8	SC	1.25	oz/a	POST	B	0.0 a	0.0 a	57.2 a	37.2 a	25.6 a	60.4 a
3	AGRIDEX			1.0	% v/v	POST	B						
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	0.0 a	0.0 a	59.3 a	43.9 a	15.0 a	63.8 a
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								0.88	0.99	5.15	10.66	25.90	3.41
Standard Deviation								0.96	1.08	5.63	11.63	28.27	3.73
CV								346.41	258.20	9.82	29.61	107.70	5.95
TABLE OF A (PRE) B (POST) MEANS													
1	NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
1	NO POST												
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 a	3.3 a	93.0 a	88.0 a	56.7 a	95.0 a
1	NO POST												
3	WARRANT	3	ME	48.0	oz/a	PRE	A	1.7 a	0.0 a	71.7 a	16.7 a	60.0 a	96.3 a
1	NO POST												
1	NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	1.7 a	1.7 a	95.0 a	85.0 a	48.3 a	96.3 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 a	0.0 a	78.3 a	38.3 a	28.3 a	91.7 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 a	0.0 a	91.7 a	90.0 a	28.3 a	96.3 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	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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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
Weed Code								Zeama	Zeama	Amapa	Agrass	Rapra	Lamam
Crop Code													
Part Rated													
Rating Data Type								Stunting	Stunting	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Rating Date								Apr-11-22	Apr-18-22	Apr-18-22	Apr-18-22	Apr-18-22	Apr-18-22
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 a	0.0 a	80.0 a	21.7 a	48.3 a	85.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 a	0.0 a	96.3 a	88.3 a	45.0 a	95.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 a	0.0 a	81.7 a	43.3 a	0.0 a	96.3 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								1.85	1.57	6.42	17.00	55.24	5.68
Standard Deviation								1.27	1.08	4.41	11.68	37.96	3.90
CV								458.26	258.20	7.69	29.74	144.61	6.23

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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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Spurry Control % Apr-18-22 (7)	Zeama Stunting % Apr-28-22 (8)	Zeama Bleaching % Apr-28-22 (9)	Zeama Necrosis % Apr-28-22 (10)	Amapa Control % Apr-28-22 (11)	Rapra Control % Apr-28-22 (12)
TABLE OF R MEANS													
Replicate 1								63.6	4.2	0.4	0.0	80.8	79.0
Replicate 2								64.0	7.5	2.9	0.0	81.2	61.4
Replicate 3								62.0	6.7	2.1	0.0	83.7	74.3
TABLE OF A (PRE) MEANS													
1	NO PRE							0.0 b	5.0 a	1.7 a	0.0 a	63.3 c	61.1 a
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	94.8 a	7.5 a	1.7 a	0.0 a	94.3 a	80.2 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	94.8 a	5.8 a	2.1 a	0.0 a	88.2 b	73.5 a
LSD P=.10								2.24	3.63	1.45	.	5.12	20.08
Standard Deviation								2.57	4.17	1.67	0.00	5.89	23.08
CV								4.07	68.18	92.31	0.00	7.19	32.24
TABLE OF B (POST) MEANS													
1	NO POST							63.1 a	4.4 a	0.0 b	0.0 a	47.1 c	22.0 b
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	62.1 a	7.8 a	0.6 b	0.0 a	87.4 b	83.2 a
2	AGRIDEX			1.0	% v/v	POST	B						
3	IMPACT	2.8	SC	1.25	oz/a	POST	B	63.8 a	3.9 a	0.6 b	0.0 a	94.9 a	91.7 a
3	AGRIDEX			1.0	% v/v	POST	B						
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	63.8 a	8.3 a	6.1 a	0.0 a	98.1 a	89.4 a
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								3.09	4.99	2.92	.	7.42	12.36
Standard Deviation								3.37	5.44	3.19	0.00	8.10	13.49
CV								5.33	89.07	176.76	0.00	9.90	18.85
TABLE OF A (PRE) B (POST) MEANS													
1	NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 e	0.0 a
1	NO POST												
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	93.0 a	6.7 a	0.0 a	0.0 a	81.3 b	33.0 a
1	NO POST												
3	WARRANT	3	ME	48.0	oz/a	PRE	A	96.3 a	6.7 a	0.0 a	0.0 a	60.0 d	33.0 a
1	NO POST												
1	NO PRE							0.0 a	10.0 a	1.7 a	0.0 a	70.0 c	71.7 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	94.7 a	10.0 a	0.0 a	0.0 a	97.7 a	89.7 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	91.7 a	3.3 a	0.0 a	0.0 a	94.7 a	88.3 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							0.0 a	3.3 a	0.0 a	0.0 a	86.7 b	83.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	96.3 a	5.0 a	0.0 a	0.0 a	99.0 a	99.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	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 NO ATRAZINE, ROUNDUP, OR
PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Spurry Control % Apr-18-22	Zeama Stunting % Apr-28-22	Zeama Bleaching % Apr-28-22	Zeama Necrosis % Apr-28-22	Amapa Control % Apr-28-22	Rapra Control % Apr-28-22
	Weed Code							Spurry	Zeama	Zeama	Zeama	Amapa	Rapra
	Crop Code												
	Part Rated												
	Rating Data Type							Control	Stunting	Bleaching	Necrosis	Control	Control
	Rating Unit							%	%	%	%	%	%
	Rating Date							Apr-18-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22
								7	8	9	10	11	12
3	WARRANT	3	ME	48.0	oz/a	PRE	A	95.0 a	3.3 a	1.7 a	0.0 a	99.0 a	93.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							0.0 a	6.7 a	5.0 a	0.0 a	96.3 a	89.7 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	95.0 a	8.3 a	6.7 a	0.0 a	99.0 a	99.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	96.3 a	10.0 a	6.7 a	0.0 a	99.0 a	79.7 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								4.64	9.37	3.13	.	6.22	41.90
Standard Deviation								3.19	6.44	2.15	0.00	4.27	28.79
CV								5.05	105.33	119.17	0.00	5.22	40.22

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 NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Agrass Control % Apr-28-22	Molve Control % Apr-28-22	SPEAR Control % Apr-28-22	Zeama Stunting % May-5-22	Zeama Bleaching % May-5-22	Zeama Necrosis % May-5-22
								13	14	15	16	17	18
TABLE OF R MEANS													
Replicate 1								80.2	78.1	90.8	0.0	2.5	0.0
Replicate 2								74.9	79.7	90.8	0.0	0.8	0.0
Replicate 3								82.2	83.6	90.8	0.0	2.1	0.0
TABLE OF A (PRE) MEANS													
1	NO PRE							63.8 c	72.8 b	74.3 b	0.0 a	1.7 a	0.0 a
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	92.5 a	79.3 b	99.0 a	0.0 a	1.3 a	0.0 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	81.0 b	89.3 a	99.0 a	0.0 a	2.5 a	0.0 a
LSD P=.10								3.89	9.65	.	.	1.45	.
Standard Deviation								4.47	11.08	0.00	0.00	1.67	0.00
CV								5.65	13.78	0.00	0.00	92.31	0.00
TABLE OF B (POST) MEANS													
1	NO POST							45.0 b	27.2 b	66.0 b	0.0 a	0.0 b	0.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	87.7 a	98.6 a	99.0 a	0.0 a	0.0 b	0.0 a
2	AGRIDEX			1.0	% v/v	POST	B						
3	IMPACT	2.8	SC	1.25	oz/a	POST	B	91.9 a	97.0 a	99.0 a	0.0 a	1.7 b	0.0 a
3	AGRIDEX			1.0	% v/v	POST	B						
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	91.8 a	99.0 a	99.0 a	0.0 a	5.6 a	0.0 a
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								5.23	12.13	.	.	2.29	.
Standard Deviation								5.70	13.24	0.00	0.00	2.50	0.00
CV								7.21	16.46	0.00	0.00	138.46	0.00
TABLE OF A (PRE) B (POST) MEANS													
1	NO PRE							0.0 d	0.0 d	0.0 b	0.0 a	0.0 c	0.0 a
1	NO POST												
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	88.3 ab	21.7 c	99.0 a	0.0 a	0.0 c	0.0 a
1	NO POST												
3	WARRANT	3	ME	48.0	oz/a	PRE	A	46.7 c	60.0 b	99.0 a	0.0 a	0.0 c	0.0 a
1	NO POST												
1	NO PRE							80.0 b	99.0 a	99.0 a	0.0 a	0.0 c	0.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	93.0 a	97.7 a	99.0 a	0.0 a	0.0 c	0.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	90.0 a	99.0 a	99.0 a	0.0 a	0.0 c	0.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							88.3 ab	93.0 a	99.0 a	0.0 a	0.0 c	0.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	94.3 a	99.0 a	99.0 a	0.0 a	1.7 bc	0.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Agrass Control % Apr-28-22	Molve Control % Apr-28-22	SPEAR Control % Apr-28-22	Zeama Stunting % May-5-22	Zeama Bleaching % May-5-22	Zeama Necrosis % May-5-22
								13	14	15	16	17	18
3	WARRANT	3	ME	48.0	oz/a	PRE	A	93.0 a	99.0 a	99.0 a	0.0 a	3.3 b	0.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							86.7 ab	99.0 a	99.0 a	0.0 a	6.7 a	0.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	94.3 a	99.0 a	99.0 a	0.0 a	3.3 b	0.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	94.3 a	99.0 a	99.0 a	0.0 a	6.7 a	0.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								8.45	15.41	.	.	1.72	.
Standard Deviation								5.81	10.59	0.00	0.00	1.18	0.00
CV								7.35	13.17	0.00	0.00	65.27	0.00

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University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
Weed Code								Amapa	Agrass	Zeama	Amapa	Agrass	Amapa
Crop Code										Plant, -			
Part Rated													
Rating Data Type								Control	Control	Stunting	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Rating Date								May-5-22	May-5-22	May-19-22	May-19-22	May-19-22	Jun-13-22
TABLE OF R MEANS													
Replicate 1								75.8	74.6	0.8	66.5	66.2	55.0
Replicate 2								72.0	70.0	2.1	54.5	55.0	50.0
Replicate 3								80.7	79.2	1.3	72.3	71.3	71.3
TABLE OF A (PRE) MEANS													
1	NO PRE							58.3 c	55.8 c	1.7 a	44.6 b	44.6 c	37.1 b
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	88.6 a	88.8 a	1.3 a	80.2 a	83.7 a	71.3 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	81.5 b	79.2 b	1.3 a	68.5 a	64.2 b	67.9 a
LSD P=.10								6.42	7.43	2.46	12.35	8.20	13.56
Standard Deviation								7.37	8.54	2.83	14.19	9.42	15.58
CV								9.68	11.45	203.47	22.03	14.69	26.52
TABLE OF B (POST) MEANS													
1	NO POST							43.2 c	38.9 b	2.8 a	22.2 d	27.8 b	13.9 d
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	78.9 b	85.6 a	2.2 ab	64.4 c	72.2 a	52.8 c
2	AGRIDEX			1.0	% v/v	POST	B						
3	IMPACT	2.8	SC	1.25	oz/a	POST	B	88.1 a	88.9 a	0.6 bc	79.8 b	79.9 a	78.3 b
3	AGRIDEX			1.0	% v/v	POST	B						
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	94.3 a	85.0 a	0.0 c	91.2 a	76.7 a	90.0 a
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								8.40	8.60	1.82	9.96	12.00	11.31
Standard Deviation								9.16	9.39	1.98	10.88	13.10	12.35
CV								12.04	12.59	142.83	16.88	20.42	21.02
TABLE OF A (PRE) B (POST) MEANS													
1	NO PRE							0.0 f	0.0 e	0.0 a	0.0 a	0.0 g	0.0 a
1	NO POST												
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	74.7 c	73.3 c	5.0 a	48.3 a	66.7 cde	35.0 a
1	NO POST												
3	WARRANT	3	ME	48.0	oz/a	PRE	A	55.0 e	43.3 d	3.3 a	18.3 a	16.7 f	6.7 a
1	NO POST												
1	NO PRE							65.0 d	75.0 c	6.7 a	40.0 a	56.7 e	20.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	90.0 ab	91.7 ab	0.0 a	80.0 a	85.0 ab	68.3 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	81.7 bc	90.0 ab	0.0 a	73.3 a	75.0 bcd	70.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B						
2	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							76.7 c	80.0 bc	0.0 a	58.3 a	63.3 de	50.0 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	94.7 a	95.0 a	0.0 a	94.7 a	93.0 a	88.3 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	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 NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
Weed Code								Amapa	Agrass		Amapa	Agrass	Amapa
Crop Code										Zeama			
Part Rated										Plant, -			
Rating Data Type								Control	Control	Stunting	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Rating Date								May-5-22	May-5-22	May-19-22	May-19-22	May-19-22	Jun-13-22
3	WARRANT	3	ME	48.0	oz/a	PRE	A	93.0 a	91.7 ab	1.7 a	86.3 a	83.3 ab	96.7 a
3	IMPACT	2.8	SC	1.25	oz/a	POST	B						
3	AGRIDEX			1.0	% v/v	POST	B						
1	NO PRE							91.7 a	68.3 c	0.0 a	80.0 a	58.3 e	78.3 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	95.0 a	95.0 a	0.0 a	97.7 a	90.0 ab	93.3 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
3	WARRANT	3	ME	48.0	oz/a	PRE	A	96.3 a	91.7 ab	0.0 a	96.0 a	81.7 abc	98.3 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B						
4	AGRIDEX			1.0	% v/v	POST	B						
LSD P=.10								8.72	12.43	4.88	19.38	16.42	22.10
Standard Deviation								5.99	8.54	3.35	13.32	11.28	15.19
CV								7.87	11.45	241.25	20.68	17.59	25.85

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

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	25	26	27
	Weed Code							Agrass	-----	-----
	Crop Code								ZEAMA	ZEAMA
	Part Rated								PLOT, -	PLOT, -
	Rating Data Type							Control	YIELD	YIELD
	Rating Unit							%	LBS/PLOT	BU/A
	Rating Date							Jun-13-22	Aug-31-22	Aug-31-22
	TABLE OF R MEANS									
	Replicate 1							57.5	32.9	168.4
	Replicate 2							47.9	30.1	153.9
	Replicate 3							65.8	35.6	182.1
	TABLE OF A (PRE) MEANS									
1	NO PRE							33.8 c	30.4 b	155.6 b
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	77.9 a	34.4 a	176.1 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	59.6 b	33.8 a	172.7 a
	LSD P=.10							4.44	1.25	6.41
	Standard Deviation							5.10	1.44	7.36
	CV							8.94	4.38	4.38
	TABLE OF B (POST) MEANS									
1	NO POST							28.3 b	30.3 b	155.2 b
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	65.0 a	30.8 b	157.5 b
2	AGRIDEX			1.0	% v/v	POST	B			
3	IMPACT	2.8	SC	1.25	oz/a	POST	B	71.1 a	34.8 a	177.9 a
3	AGRIDEX			1.0	% v/v	POST	B			
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	63.9 a	35.6 a	181.9 a
4	AGRIDEX			1.0	% v/v	POST	B			
	LSD P=.10							10.23	2.02	10.32
	Standard Deviation							11.17	2.20	11.27
	CV							19.57	6.70	6.70
	TABLE OF A (PRE) B (POST) MEANS									
1	NO PRE							0.0 g	22.7 e	116.0 e
1	NO POST									
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	61.7 cde	33.3 abc	170.5 abc
1	NO POST									
3	WARRANT	3	ME	48.0	oz/a	PRE	A	23.3 f	35.0 abc	179.1 abc
1	NO POST									
1	NO PRE							46.7 e	28.3 d	145.0 d
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B			
2	AGRIDEX			1.0	% v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	80.0 ab	32.7 bc	167.1 bc
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B			
2	AGRIDEX			1.0	% v/v	POST	B			
3	WARRANT	3	ME	48.0	oz/a	PRE	A	68.3 bcd	31.3 cd	160.3 cd
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B			
2	AGRIDEX			1.0	% v/v	POST	B			
1	NO PRE							58.3 de	34.7 abc	177.4 abc
3	IMPACT	2.8	SC	1.25	oz/a	POST	B			
3	AGRIDEX			1.0	% v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	85.0 a	34.3 abc	175.7 abc
3	IMPACT	2.8	SC	1.25	oz/a	POST	B			
3	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 NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	25	26	27
	Weed Code							Agrass	-----	-----
	Crop Code								ZEAMA	ZEAMA
	Part Rated								PLOT, -	PLOT, -
	Rating Data Type							Control	YIELD	YIELD
	Rating Unit							%	LBS/PLOT	BU/A
	Rating Date							Jun-13-22	Aug-31-22	Aug-31-22
3	WARRANT	3	ME	48.0	oz/a	PRE	A	70.0 a-d	35.3 abc	180.8 abc
3	IMPACT	2.8	SC	1.25	oz/a	POST	B			
3	AGRIDEX			1.0	% v/v	POST	B			
1	NO PRE							30.0 f	36.0 ab	184.2 ab
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B			
4	AGRIDEX			1.0	% v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	85.0 a	37.3 a	191.0 a
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B			
4	AGRIDEX			1.0	% v/v	POST	B			
3	WARRANT	3	ME	48.0	oz/a	PRE	A	76.7 abc	33.3 abc	170.5 abc
4	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B			
4	AGRIDEX			1.0	% v/v	POST	B			
	LSD P=.10							16.37	4.15	21.25
	Standard Deviation							11.25	2.85	14.60
	CV							19.70	8.68	8.68

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University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)
Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-11-22 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	47.222222				
R	2	5.555556	2.777778	1.714	0.2214	
A	2	1.388889	0.694444	1.000	0.4444	0.7
RA	4	2.777778	0.694444			
B	3	2.777778	0.925926	1.000	0.4547	0.9
RB	6	5.555556	0.925926			
AB	6	9.722222	1.620370	1.000	0.4682	1.9
RAB	12	19.444444	1.620370			

COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-18-22 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	68.750000				
R	2	4.166667	2.083333	1.800	0.2072	
A	2	12.500000	6.250000	3.000	0.1600	1.3
RA	4	8.333333	2.083333			
B	3	7.638889	2.546296	2.200	0.1889	1.0
RB	6	6.944444	1.157407			
AB	6	15.277778	2.546296	2.200	0.1155	1.6
RAB	12	13.888889	1.157407			

COMPLETE FACTORIAL AOV For Amapa Control % Apr-18-22 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	62655.638889				
R	2	666.055556	333.027778	17.135	0.0003	
A	2	60662.722222	30331.361111	175.298	0.0001	11.4
RA	4	692.111111	173.027778			
B	3	91.638889	30.546296	0.965	0.4681	5.2
RB	6	189.944444	31.657407			
AB	6	119.944444	19.990741	1.029	0.4528	6.4
RAB	12	233.222222	19.435185			

COMPLETE FACTORIAL AOV For Agrass Control % Apr-18-22 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	59987.222222				
R	2	2491.722222	1245.861111	9.128	0.0039	
A	2	47837.555556	23918.777778	16.827	0.0113	32.8
RA	4	5685.944444	1421.486111			
B	3	433.000000	144.333333	1.067	0.4306	10.7
RB	6	811.833333	135.305556			
AB	6	1089.333333	181.555556	1.330	0.3166	17.0
RAB	12	1637.833333	136.486111			

COMPLETE FACTORIAL AOV For Rapra Control % Apr-18-22 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	53318.750000				
R	2	937.500000	468.750000	0.325	0.7285	
A	2	13054.166667	6527.083333	2.675	0.1830	43.0
RA	4	9758.333333	2439.583333			
B	3	2585.416667	861.805556	1.078	0.4266	25.9
RB	6	4795.833333	799.305556			
AB	6	4895.833333	815.972222	0.566	0.7498	55.2
RAB	12	17291.666667	1440.972222			

COMPLETE FACTORIAL AOV For Lamam Control % Apr-18-22 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	71328.000000				
R	2	2.000000	1.000000	0.066	0.9368	
A	2	70754.666667	35377.333333	3423.613	0.0001	2.8
RA	4	41.333333	10.333333			
B	3	66.666667	22.222222	1.600	0.2853	3.4
RB	6	83.333333	13.888889			
AB	6	197.333333	32.888889	2.161	0.1207	5.7
RAB	12	182.666667	15.222222			

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Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Spurry Control % Apr-18-22 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	72187.638889				
R	2	26.722222	13.361111	1.314	0.3047	
A	2	71883.722222	35941.861111	5436.585	0.0001	2.2
RA	4	26.444444	6.611111			
B	3	16.750000	5.583333	0.491	0.7011	3.1
RB	6	68.166667	11.361111			
AB	6	43.833333	7.305556	0.719	0.6426	4.6
RAB	12	122.000000	10.166667			

COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-28-22 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	1155.555556				
R	2	72.222222	36.111111	0.872	0.4432	
A	2	38.888889	19.444444	1.120	0.4109	3.6
RA	4	69.444444	17.361111			
B	3	138.888889	46.296296	1.563	0.2933	5.0
RB	6	177.777778	29.629630			
AB	6	161.111111	26.851852	0.648	0.6916	9.4
RAB	12	497.222222	41.435185			

COMPLETE FACTORIAL AOV For Zeama Bleaching % Apr-28-22 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	407.638889				
R	2	38.888889	19.444444	4.200	0.0414	
A	2	1.388889	0.694444	0.250	0.7901	1.5
RA	4	11.111111	2.777778			
B	3	224.305556	74.768519	7.341	0.0197	2.9
RB	6	61.111111	10.185185			
AB	6	15.277778	2.546296	0.550	0.7614	3.1
RAB	12	55.555556	4.629630			

COMPLETE FACTORIAL AOV For Zeama Necrosis % Apr-28-22 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	2	0.000000	0.000000	0.000	1.0000	.
RA	4	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	.
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Amapa Control % Apr-28-22 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	28233.555556				
R	2	57.555556	28.777778	1.576	0.2468	
A	2	6475.388889	3237.694444	93.432	0.0004	5.1
RA	4	138.611111	34.652778			
B	3	15052.666667	5017.555556	76.409	0.0001	7.4
RB	6	394.000000	65.666667			
AB	6	5896.166667	982.694444	53.805	0.0001	6.2
RAB	12	219.166667	18.263889			

COMPLETE FACTORIAL AOV For Rapra Control % Apr-28-22 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	48742.750000				
R	2	1991.166667	995.583333	1.201	0.3346	
A	2	2251.166667	1125.583333	2.114	0.2364	20.1
RA	4	2130.166667	532.541667			
B	3	29846.972222	9948.990741	54.634	0.0001	12.4
RB	6	1092.611111	182.101852			
AB	6	1483.277778	247.212963	0.298	0.9261	41.9
RAB	12	9947.388889	828.949074			

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COMPLETE FACTORIAL AOV For Agrass Control % Apr-28-22 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	27232.750000				
R	2	336.500000	168.250000	4.987	0.0265	
A	2	5025.500000	2512.750000	125.638	0.0002	3.9
RA	4	80.000000	20.000000			
B	3	14044.305556	4681.435185	143.839	0.0001	5.2
RB	6	195.277778	32.546296			
AB	6	7146.277778	1191.046296	35.300	0.0001	8.5
RAB	12	404.888889	33.740741			

COMPLETE FACTORIAL AOV For Molve Control % Apr-28-22 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	42706.888889				
R	2	192.388889	96.194444	0.857	0.4487	
A	2	1655.722222	827.861111	6.740	0.0524	9.6
RA	4	491.277778	122.819444			
B	3	34011.111111	11337.037037	64.697	0.0001	12.1
RB	6	1051.388889	175.231481			
AB	6	3958.722222	659.787037	5.881	0.0046	15.4
RAB	12	1346.277778	112.189815			

COMPLETE FACTORIAL AOV For SPEAR Control % Apr-28-22 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26952.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	2	4900.500000	2450.250000	0.000	1.0000	.
RA	4	0.000000	0.000000			
B	3	7350.750000	2450.250000	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	6	14701.500000	2450.250000	0.000	1.0000	.
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Zeama Stunting % May-5-22 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	2	0.000000	0.000000	0.000	1.0000	.
RA	4	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	.
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Zeama Bleaching % May-5-22 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	307.638889				
R	2	18.055556	9.027778	6.500	0.0122	
A	2	9.722222	4.861111	1.750	0.2844	1.5
RA	4	11.111111	2.777778			
B	3	185.416667	61.805556	9.889	0.0097	2.3
RB	6	37.500000	6.250000			
AB	6	29.166667	4.861111	3.500	0.0308	1.7
RAB	12	16.666667	1.388889			

COMPLETE FACTORIAL AOV For Zeama Necrosis % May-5-22 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	2	0.000000	0.000000	0.000	1.0000	.
RA	4	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	.
RAB	12	0.000000	0.000000			

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COMPLETE FACTORIAL AOV For Amapa Control % May-5-22 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26282.305556				
R	2	453.388889	226.694444	6.308	0.0134	
A	2	6007.722222	3003.861111	55.258	0.0012	6.4
RA	4	217.444444	54.361111			
B	3	14088.972222	4696.324074	55.915	0.0001	8.4
RB	6	503.944444	83.990741			
AB	6	4579.611111	763.268519	21.240	0.0001	8.7
RAB	12	431.222222	35.935185			

COMPLETE FACTORIAL AOV For Agrass Control % May-5-22 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	27868.750000				
R	2	504.166667	252.083333	3.457	0.0652	
A	2	6879.166667	3439.583333	47.171	0.0017	7.4
RA	4	291.666667	72.916667			
B	3	15368.750000	5122.916667	58.087	0.0001	8.6
RB	6	529.166667	88.194444			
AB	6	3420.833333	570.138889	7.819	0.0014	12.4
RAB	12	875.000000	72.916667			

COMPLETE FACTORIAL AOV For Zeama Plant Stunting % May-19-22 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	380.555556				
R	2	9.722222	4.861111	0.433	0.6583	
A	2	1.388889	0.694444	0.087	0.9184	2.5
RA	4	31.944444	7.986111			
B	3	47.222222	15.740741	4.000	0.0701	1.8
RB	6	23.611111	3.935185			
AB	6	131.944444	21.990741	1.959	0.1515	4.9
RAB	12	134.722222	11.226852			

COMPLETE FACTORIAL AOV For Amapa Control % May-19-22 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	39298.750000				
R	2	1968.500000	984.250000	5.547	0.0197	
A	2	7897.166667	3948.583333	19.612	0.0086	12.3
RA	4	805.333333	201.333333			
B	3	24613.861111	8204.620370	69.362	0.0001	10.0
RB	6	709.722222	118.287037			
AB	6	1175.055556	195.842593	1.104	0.4145	19.4
RAB	12	2129.111111	177.425926			

COMPLETE FACTORIAL AOV For Agrass Control % May-19-22 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	32154.305556				
R	2	1658.388889	829.194444	6.514	0.0121	
A	2	9165.055556	4582.527778	51.618	0.0014	8.2
RA	4	355.111111	88.777778			
B	3	16132.305556	5377.435185	31.337	0.0005	12.0
RB	6	1029.611111	171.601852			
AB	6	2286.277778	381.046296	2.993	0.0501	16.4
RAB	12	1527.555556	127.296296			

COMPLETE FACTORIAL AOV For Amapa Control % Jun-13-22 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	49568.750000				
R	2	2962.500000	1481.250000	6.421	0.0127	
A	2	8516.666667	4258.333333	17.545	0.0105	13.6
RA	4	970.833333	242.708333			
B	3	30674.305556	10224.768519	67.027	0.0001	11.3
RB	6	915.277778	152.546296			
AB	6	2761.111111	460.185185	1.995	0.1454	22.1
RAB	12	2768.055556	230.671296			

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COMPLETE FACTORIAL AOV For Agrass Control % Jun-13-22 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	28368.750000				
R	2	1929.166667	964.583333	7.625	0.0073	
A	2	11816.666667	5908.333333	226.880	0.0001	4.4
RA	4	104.166667	26.041667			
B	3	10190.972222	3396.990741	27.226	0.0007	10.2
RB	6	748.611111	124.768519			
AB	6	2061.111111	343.518519	2.715	0.0665	16.4
RAB	12	1518.055556	126.504630			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-31-22 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	836.305556				
R	2	181.555556	90.777778	11.147	0.0018	
A	2	110.222222	55.111111	26.631	0.0049	1.3
RA	4	8.277778	2.069444			
B	3	194.972222	64.990741	13.395	0.0046	2.0
RB	6	29.111111	4.851852			
AB	6	214.444444	35.740741	4.389	0.0141	4.2
RAB	12	97.722222	8.143519			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD BU/A Aug-31-22 (Data Column 27)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	21892.146023				
R	2	4752.617877	2376.308938	11.147	0.0018	
A	2	2885.310241	1442.655120	26.631	0.0049	6.4
RA	4	216.689126	54.172281			
B	3	5103.828775	1701.276258	13.395	0.0046	10.3
RB	6	762.047664	127.007944			
AB	6	5613.557223	935.592870	4.389	0.0141	21.2
RAB	12	2558.095118	213.174593			

Part Rated
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.11636686*[26]

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Zeama Stunting % Apr-11-22	Zeama Stunting % Apr-18-22	Amapa Control % Apr-18-22	Agrass Control % Apr-18-22	Rapra Control % Apr-18-22	Lamam Control % Apr-18-22
									1	2	3	4	5	6
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							207	0.0	0.0	0.0	0.0	0.0	0.0
								308	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	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	0.0	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	306	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
3	NO PRE							103	0.0	0.0	0.0	0.0	0.0	0.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	0.0	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	312	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
4	NO PRE							104	0.0	0.0	0.0	0.0	0.0	0.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	208	0.0	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	304	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
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	0.0	5.0	99.0	99.0	95.0	95.0
	NO POST							202	0.0	5.0	85.0	75.0	75.0	95.0
								303	0.0	0.0	95.0	90.0	0.0	95.0
								Mean =	0.0	3.3	93.0	88.0	56.7	95.0
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	5.0	5.0	95.0	95.0	95.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	0.0	0.0	95.0	65.0	50.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	302	0.0	0.0	95.0	95.0	0.0	95.0
								Mean =	1.7	1.7	95.0	85.0	48.3	96.3
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	107	0.0	0.0	95.0	90.0	0.0	95.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	212	0.0	0.0	85.0	85.0	0.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	307	0.0	0.0	95.0	95.0	85.0	95.0
								Mean =	0.0	0.0	91.7	90.0	28.3	96.3
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	0.0	0.0	99.0	95.0	50.0	95.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	205	0.0	0.0	95.0	85.0	85.0	95.0
	AGRIDEX			1.0	% v/v	POST	B	310	0.0	0.0	95.0	85.0	0.0	95.0
								Mean =	0.0	0.0	96.3	88.3	45.0	95.0
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	5.0	0.0	85.0	0.0	0.0	99.0
	NO POST							204	0.0	0.0	50.0	0.0	85.0	95.0
								309	0.0	0.0	80.0	50.0	95.0	95.0
								Mean =	1.7	0.0	71.7	16.7	60.0	96.3
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	0.0	0.0	85.0	0.0	0.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	211	0.0	0.0	65.0	50.0	0.0	95.0
	AGRIDEX			1.0	% v/v	POST	B	305	0.0	0.0	85.0	65.0	85.0	85.0
								Mean =	0.0	0.0	78.3	38.3	28.3	91.7
11	WARRANT	3	ME	48.0	oz/a	PRE	A	111	0.0	0.0	85.0	0.0	0.0	85.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	0.0	0.0	65.0	0.0	95.0	75.0
	AGRIDEX			1.0	% v/v	POST	B	311	0.0	0.0	90.0	65.0	50.0	95.0
								Mean =	0.0	0.0	80.0	21.7	48.3	85.0
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	0.0	0.0	75.0	0.0	0.0	95.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	209	0.0	0.0	75.0	65.0	0.0	95.0
	AGRIDEX			1.0	% v/v	POST	B	301	0.0	0.0	95.0	65.0	0.0	99.0
								Mean =	0.0	0.0	81.7	43.3	0.0	96.3

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Spurry Control % Apr-18-22	Zeama Stunting % Apr-28-22	Zeama Bleaching % Apr-28-22	Zeama Necrosis % Apr-28-22	Amapa Control % Apr-28-22	Rapra Control % Apr-28-22
									7	8	9	10	11	12
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							207	0.0	0.0	0.0	0.0	0.0	0.0
								308	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	0.0	75.0	65.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	0.0	15.0	5.0	0.0	70.0	65.0
	AGRIDEX			1.0	% v/v	POST	B	306	0.0	15.0	0.0	0.0	65.0	85.0
								Mean =	0.0	10.0	1.7	0.0	70.0	71.7
3	NO PRE							103	0.0	0.0	0.0	0.0	90.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	0.0	10.0	0.0	0.0	85.0	65.0
	AGRIDEX			1.0	% v/v	POST	B	312	0.0	0.0	0.0	0.0	85.0	85.0
								Mean =	0.0	3.3	0.0	0.0	86.7	83.0
4	NO PRE							104	0.0	10.0	0.0	0.0	95.0	99.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	208	0.0	10.0	10.0	0.0	99.0	85.0
	AGRIDEX			1.0	% v/v	POST	B	304	0.0	0.0	5.0	0.0	95.0	85.0
								Mean =	0.0	6.7	5.0	0.0	96.3	89.7
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	99.0	10.0	0.0	0.0	70.0	99.0
	NO POST							202	95.0	10.0	0.0	0.0	75.0	0.0
								303	85.0	0.0	0.0	0.0	99.0	0.0
								Mean =	93.0	6.7	0.0	0.0	81.3	33.0
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	90.0	10.0	0.0	0.0	99.0	99.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	99.0	10.0	0.0	0.0	99.0	85.0
	AGRIDEX			1.0	% v/v	POST	B	302	95.0	10.0	0.0	0.0	95.0	85.0
								Mean =	94.7	10.0	0.0	0.0	97.7	89.7
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	107	95.0	0.0	0.0	0.0	99.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	212	99.0	0.0	0.0	0.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	307	95.0	15.0	0.0	0.0	99.0	99.0
								Mean =	96.3	5.0	0.0	0.0	99.0	99.0
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	95.0	0.0	0.0	0.0	99.0	99.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	205	95.0	15.0	10.0	0.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	310	95.0	10.0	10.0	0.0	99.0	99.0
								Mean =	95.0	8.3	6.7	0.0	99.0	99.0
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	99.0	10.0	0.0	0.0	50.0	0.0
	NO POST							204	95.0	0.0	0.0	0.0	60.0	0.0
								309	95.0	10.0	0.0	0.0	70.0	99.0
								Mean =	96.3	6.7	0.0	0.0	60.0	33.0
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	95.0	0.0	0.0	0.0	95.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	211	95.0	0.0	0.0	0.0	90.0	75.0
	AGRIDEX			1.0	% v/v	POST	B	305	85.0	10.0	0.0	0.0	99.0	95.0
								Mean =	91.7	3.3	0.0	0.0	94.7	88.3
11	WARRANT	3	ME	48.0	oz/a	PRE	A	111	95.0	0.0	0.0	0.0	99.0	95.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	95.0	10.0	5.0	0.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	311	95.0	0.0	0.0	0.0	99.0	85.0
								Mean =	95.0	3.3	1.7	0.0	99.0	93.0
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	95.0	10.0	5.0	0.0	99.0	99.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	209	95.0	10.0	5.0	0.0	99.0	65.0
	AGRIDEX			1.0	% v/v	POST	B	301	99.0	10.0	10.0	0.0	99.0	75.0
								Mean =	96.3	10.0	6.7	0.0	99.0	79.7

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Agrass Control % Apr-28-22	Molve Control % Apr-28-22	SPEAR Control % Apr-28-22	Zeama Stunting % May-5-22	Zeama Bleaching % May-5-22	Zeama Necrosis % May-5-22
									13	14	15	16	17	18
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							207	0.0	0.0	0.0	0.0	0.0	0.0
								308	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	85.0	99.0	99.0	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	70.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	306	85.0	99.0	99.0	0.0	0.0	0.0
								Mean =	80.0	99.0	99.0	0.0	0.0	0.0
3	NO PRE							103	85.0	95.0	99.0	0.0	0.0	0.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	85.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	312	95.0	85.0	99.0	0.0	0.0	0.0
								Mean =	88.3	93.0	99.0	0.0	0.0	0.0
4	NO PRE							104	85.0	99.0	99.0	0.0	10.0	0.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	208	90.0	99.0	99.0	0.0	5.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	304	85.0	99.0	99.0	0.0	5.0	0.0
								Mean =	86.7	99.0	99.0	0.0	6.7	0.0
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	85.0	0.0	99.0	0.0	0.0	0.0
	NO POST							202	85.0	0.0	99.0	0.0	0.0	0.0
								303	95.0	65.0	99.0	0.0	0.0	0.0
								Mean =	88.3	21.7	99.0	0.0	0.0	0.0
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	99.0	99.0	99.0	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	85.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	302	95.0	95.0	99.0	0.0	0.0	0.0
								Mean =	93.0	97.7	99.0	0.0	0.0	0.0
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	107	85.0	99.0	99.0	0.0	0.0	0.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	212	99.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	307	99.0	99.0	99.0	0.0	5.0	0.0
								Mean =	94.3	99.0	99.0	0.0	1.7	0.0
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	99.0	99.0	99.0	0.0	5.0	0.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	205	85.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	310	99.0	99.0	99.0	0.0	5.0	0.0
								Mean =	94.3	99.0	99.0	0.0	3.3	0.0
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	50.0	50.0	99.0	0.0	0.0	0.0
	NO POST							204	40.0	65.0	99.0	0.0	0.0	0.0
								309	50.0	65.0	99.0	0.0	0.0	0.0
								Mean =	46.7	60.0	99.0	0.0	0.0	0.0
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	95.0	99.0	99.0	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	211	90.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	305	85.0	99.0	99.0	0.0	0.0	0.0
								Mean =	90.0	99.0	99.0	0.0	0.0	0.0
11	WARRANT	3	ME	48.0	oz/a	PRE	A	111	95.0	99.0	99.0	0.0	5.0	0.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	85.0	99.0	99.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	311	99.0	99.0	99.0	0.0	5.0	0.0
								Mean =	93.0	99.0	99.0	0.0	3.3	0.0
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	99.0	99.0	99.0	0.0	10.0	0.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	209	85.0	99.0	99.0	0.0	5.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	301	99.0	99.0	99.0	0.0	5.0	0.0
								Mean =	94.3	99.0	99.0	0.0	6.7	0.0

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Amapa Control % May-5-22	Agrass Control % May-5-22	Zeama Plant, - Stunting % May-19-22	Amapa Control % May-19-22	Agrass Control % May-19-22	Amapa Control % Jun-13-22
									19	20	21	22	23	24
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							207	0.0	0.0	0.0	0.0	0.0	0.0
								308	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	65.0	75.0	0.0	60.0	60.0	20.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	65.0	65.0	10.0	30.0	50.0	20.0
	AGRIDEX			1.0	% v/v	POST	B	306	65.0	85.0	10.0	30.0	60.0	20.0
								Mean =	65.0	75.0	6.7	40.0	56.7	20.0
3	NO PRE							103	85.0	70.0	0.0	65.0	60.0	50.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	70.0	85.0	0.0	50.0	65.0	40.0
	AGRIDEX			1.0	% v/v	POST	B	312	75.0	85.0	0.0	60.0	65.0	60.0
								Mean =	76.7	80.0	0.0	58.3	63.3	50.0
4	NO PRE							104	90.0	70.0	0.0	85.0	60.0	80.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	208	90.0	70.0	0.0	65.0	50.0	65.0
	AGRIDEX			1.0	% v/v	POST	B	304	95.0	65.0	0.0	90.0	65.0	90.0
								Mean =	91.7	68.3	0.0	80.0	58.3	78.3
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	60.0	60.0	0.0	30.0	60.0	10.0
	NO POST							202	65.0	65.0	10.0	25.0	50.0	0.0
								303	99.0	95.0	5.0	90.0	90.0	95.0
								Mean =	74.7	73.3	5.0	48.3	66.7	35.0
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	90.0	95.0	0.0	75.0	95.0	60.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	85.0	85.0	0.0	75.0	65.0	65.0
	AGRIDEX			1.0	% v/v	POST	B	302	95.0	95.0	0.0	90.0	95.0	80.0
								Mean =	90.0	91.7	0.0	80.0	85.0	68.3
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	107	95.0	95.0	0.0	95.0	99.0	85.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	212	90.0	95.0	0.0	90.0	90.0	80.0
	AGRIDEX			1.0	% v/v	POST	B	307	99.0	95.0	0.0	99.0	90.0	100.0
								Mean =	94.7	95.0	0.0	94.7	93.0	88.3
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	95.0	95.0	0.0	99.0	95.0	90.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	205	95.0	95.0	0.0	95.0	85.0	90.0
	AGRIDEX			1.0	% v/v	POST	B	310	95.0	95.0	0.0	99.0	90.0	100.0
								Mean =	95.0	95.0	0.0	97.7	90.0	93.3
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	50.0	50.0	10.0	20.0	0.0	0.0
	NO POST							204	50.0	20.0	0.0	10.0	0.0	0.0
								309	65.0	60.0	0.0	25.0	50.0	20.0
								Mean =	55.0	43.3	3.3	18.3	16.7	6.7
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	85.0	95.0	0.0	80.0	85.0	70.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	211	70.0	90.0	0.0	50.0	75.0	50.0
	AGRIDEX			1.0	% v/v	POST	B	305	90.0	85.0	0.0	90.0	65.0	90.0
								Mean =	81.7	90.0	0.0	73.3	75.0	70.0
11	WARRANT	3	ME	48.0	oz/a	PRE	A	111	99.0	95.0	0.0	99.0	90.0	100.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	85.0	85.0	5.0	65.0	65.0	90.0
	AGRIDEX			1.0	% v/v	POST	B	311	95.0	95.0	0.0	95.0	95.0	100.0
								Mean =	93.0	91.7	1.7	86.3	83.3	96.7
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	95.0	95.0	0.0	90.0	90.0	95.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	209	99.0	85.0	0.0	99.0	65.0	100.0
	AGRIDEX			1.0	% v/v	POST	B	301	95.0	95.0	0.0	99.0	90.0	100.0
								Mean =	96.3	91.7	0.0	96.0	81.7	98.3

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID: CN-04-22 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	Agrass Control % Jun-13-22 (25)	----- ZEAMA PLOT, - YIELD LBS/PLOT Aug-31-22 (26)	----- ZEAMA PLOT, - YIELD BU/A Aug-31-22 (27)
1	NO PRE							101	0.0	20.0	102.3
	NO POST							207	0.0	24.0	122.8
								308	0.0	24.0	122.8
								Mean =	0.0	22.7	116.0
2	NO PRE							102	50.0	29.0	148.4
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	30.0	25.0	127.9
	AGRIDEX			1.0	% v/v	POST	B	306	60.0	31.0	158.6
								Mean =	46.7	28.3	145.0
3	NO PRE							103	50.0	36.0	184.2
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	50.0	29.0	148.4
	AGRIDEX			1.0	% v/v	POST	B	312	75.0	39.0	199.5
								Mean =	58.3	34.7	177.4
4	NO PRE							104	30.0	39.0	199.5
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	208	30.0	33.0	168.8
	AGRIDEX			1.0	% v/v	POST	B	304	30.0	36.0	184.2
								Mean =	30.0	36.0	184.2
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	50.0	37.0	189.3
	NO POST							202	50.0	26.0	133.0
								303	85.0	37.0	189.3
								Mean =	61.7	33.3	170.5
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	85.0	33.0	168.8
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	65.0	30.0	153.5
	AGRIDEX			1.0	% v/v	POST	B	302	90.0	35.0	179.1
								Mean =	80.0	32.7	167.1
7	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	107	85.0	34.0	174.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	212	85.0	30.0	153.5
	AGRIDEX			1.0	% v/v	POST	B	307	85.0	39.0	199.5
								Mean =	85.0	34.3	175.7
8	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	108	95.0	34.0	174.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	205	75.0	38.0	194.4
	AGRIDEX			1.0	% v/v	POST	B	310	85.0	40.0	204.7
								Mean =	85.0	37.3	191.0
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	20.0	34.0	174.0
	NO POST							204	0.0	32.0	163.7
								309	50.0	39.0	199.5
								Mean =	23.3	35.0	179.1
10	WARRANT	3	ME	48.0	oz/a	PRE	A	110	80.0	31.0	158.6
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	211	65.0	28.0	143.3
	AGRIDEX			1.0	% v/v	POST	B	305	60.0	35.0	179.1
								Mean =	68.3	31.3	160.3
11	WARRANT	3	ME	48.0	oz/a	PRE	A	111	65.0	35.0	179.1
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	60.0	33.0	168.8
	AGRIDEX			1.0	% v/v	POST	B	311	85.0	38.0	194.4
								Mean =	70.0	35.3	180.8
12	WARRANT	3	ME	48.0	oz/a	PRE	A	112	80.0	33.0	168.8
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	B	209	65.0	33.0	168.8
	AGRIDEX			1.0	% v/v	POST	B	301	85.0	34.0	174.0
								Mean =	76.7	33.3	170.5

University of Georgia

WEED CONTROL IN FIELD CORN WITH NO ATRAZINE, ROUNDUP, OR PROWL (DUAL II OR WARRANT - PRE FB LAUDIS OR IMPACT OR SHIELDEX - POST)

Trial ID:	CN-04-22	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Part Rated
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.11636686*[26]