University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 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	4
1	NO PRE									-	101	212	301	407
	NO POST									-				
2	NO PRE									-	102	208	303	406
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1457.7 mL				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
3	NO PRE									-	103	205	306	409
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1480.7 mL				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	104	207	302	411
	NO POST									-				
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	105	210	305	402
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1457.7 mL				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	106	204	310	408
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1480.7 mL				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
7	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	107	211	308	404
	NO POST									-				
8	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	108	209	304	410
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1457.7 mL				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx					
	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	202	309	401
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1480.7 mL				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	15 GPA	10.0 mL/mx	1490 mL	110	203	311	412
	NO POST									-				
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	15 GPA	10.0 mL/mx	1490 mL	111	201	307	405
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1457.7 mL				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	15 GPA	10.0 mL/mx	1490 mL	112	206	312	403
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	1480.7 mL				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx					
	AGRIDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx					

Sort Order: Replicate 1

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Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

HARVEST DATE: 08/28/23
HARVEST MOISTURE: 13.4%
YIELDS ADJUSTED TO 15.5%.

MISSING YIELD DATA IN PLOTS 101 AND 107 DUE TO COMBINE PROBLEMS.

SUMMARY:

1) DUAL II MAGNUM AND WARRANT DID NOT PROVIDE ACCEPTABLE RESIDUAL CONTROL OF WILD RADISH (<60%). OUTLOOK PROVIDED FAIR CONTROL (72%).

2) RESIDUAL CONTROL OF HENBIT, ANNUAL GRASSES AND PALMER AMARANTH WITH DUAL II MAGNUM, OUTLOOK, AND WARRANT WAS SIMILAR.

3) LAUDIS PROVIDED GOOD POST CONTROL OF WILD RADISH (82%).

4) GENERALLY, ANNUAL GRASS AND PIGWEED CONTROL WERE BETTER WITH PRE + POST COMBINATIONS THAN EITHER PRE OR POST TREATMENTS APPLIED ALONE.

5) ALL HERBICIDE TREATED PLOTS HAD HIGHER YIELDS THAN THE NTC EXCEPT FOR OUTLOOK (PRE) FB LAUDIS + ZIDUA (POST). SOME OTHER DIFFERENCES IN YIELD WERE OBSERVED.

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: N. SHAY **Title:** _____
Affiliation: _____
Postal Code: _____

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

TRIAL LOCATION

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

COOPERATOR/LANDOWNER

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

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

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/GOOSE/CROW/CRAB/SANDBUR
4.	DEDTO	FL	ORIDA BEGGARWEED
5.	LAMAM	HE	NBIT

Crop 1: ZEAMA FIELD CORN **Variety:** DKC-6835
Planting Date: Mar-22-23 **Planting Method:** MONOSEM VACUUM
Rate: 33880 SEED/A **Depth:** 2 IN **Perennial Age:** ____ _____
Row Spacing: 36 IN **Spacing Within Row:** ____ _____ **Seed Bed:** _____
Soil Temperature: ____ _ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2022

MAINTENANCE

Field Prep./Maintenance: 1 TON/A LIME - PREPLANT
800 LBS/A 5-25-30 - PREPLANT
2 SIDEDRESS APPLICATIONS OF 122-0-015
AXILO BMZ @ 2 LBS/A (MICRONUTRIENTS (04/20/23)
ACCELERON SEED TRT

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

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SOIL DESCRIPTION

% Sand: 92	**% OM:** 0.51	**Texture:**	SAND
% Silt: 4	**pH:** 6.0	**Soil Name:**	FUQUAY
% Clay: 4	**CEC:** 2.5	**Fert. Level:**	GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-24-23		0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-25-23		0.4	IN	RAINFALL		
3.	Mar-27-23		0.125	IN	RAINFALL		
4.	Mar-28-23		0.75	IN	RAINFALL		
5.	Apr-3-23		0.83	IN	RAINFALL		
6.	Apr-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
7.	Apr-8-23		0.42	IN	RAINFALL		
8.	Apr-14-23		0.11	IN	RAINFALL		
9.	Apr-21-23		0.3	IN	SPRINKLER - LATERAL MOVE		
10.	Apr-25-23		0.25	IN	SPRINKLER - LATERAL MOVE		
11.	Apr-27-23		1.0	IN	RAINFALL		
12.	Apr-29-23		0.65	IN	RANFALL		
13.	May-11-23		0.5	IN	RAINFALL		
14.	May-12-23		2.5	IN	RAINFALL		
15.	May-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-20-23		0.1	IN	RAINFALL		

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** ____ **Unit:** __

APPLICATION DESCRIPTION

	A	B
Application Date:	Mar-23-23	Apr-12-23
Time of Day:	8:00 AM	8:00 AM
Application Method:	BROADCAST	BRODCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	56 F	60 F
% Relative Humidity:	94	81
Wind Velocity, Unit:	1 MPH	2 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	60 F	60 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	5	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V2
Height, Unit:		5, IN

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		0.5-1"
Density, Unit:		
Weed 2 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		1-2"
Density, Unit:		
Weed 3 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		0.5-2"
Density, Unit:		
Weed 4 Code, Stage:	DEDTO,	DEDTO,
Stage Scale:		NOT UP
Density, Unit:		
Weed 5 Code, Stage:	LAMAM,	LAMAM,
Stage Scale:		0.25-0.50
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	38	
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	7	8	9	10
	Weed Code							-----	Agrass	-----	Rapra	Amapa	Agrass	Lamam	-----	-----	-----
	Crop Code							Zeama	-----	Zeama	-----	-----	-----	-----	Zeama	Zeama	Zeama
	Part Rated																
	Rating Data Type							Stunting	Control	Stunting	Control	Control	Control	Control	Stunting	Chlorosis	Bleaching
	Rating Unit							%	%	%	%	%	%	%	%	%	%
	Rating Date							Apr-5-23	Apr-5-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-20-23	Apr-20-23	Apr-20-23
	TABLE OF R MEANS																
	Replicate 1							0.0	55.0	5.8	41.3	70.2	58.6	71.8	6.3	5.8	0.0
	Replicate 2							0.0	54.2	4.6	45.8	73.6	49.6	73.2	4.6	5.8	0.0
	Replicate 3							0.0	68.3	1.3	56.2	74.3	66.3	73.6	4.6	4.2	0.0
	Replicate 4							0.0	68.3	1.3	44.8	74.3	66.6	74.3	2.9	1.7	0.0
	TABLE OF A (PRE) MEANS																
1	NO PRE							0.0 -	0.0 b	0.0 b	0.0 c	0.0 b	0.0 b	0.0 b	3.8 -	3.3 b	0.0 -
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 -	82.9 a	2.1 b	57.0 b	94.6 a	79.1 a	97.6 a	3.3 -	3.3 b	0.0 -
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 -	82.1 a	3.3 b	59.1 ab	99.0 a	79.1 a	97.3 a	3.8 -	4.2 b	0.0 -
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	0.0 -	80.8 a	7.5 a	72.0 a	98.7 a	82.8 a	98.0 a	7.5 -	6.7 a	0.0 -
	LSD P=.10							.	8.14	3.81	14.39	5.22	9.95	1.35	3.10	2.31	.
	Standard Deviation							0.00	10.88	5.10	19.23	6.97	13.30	1.80	4.14	3.08	0.00
	CV							0.00	17.70	157.86	40.89	9.55	22.07	2.46	90.30	70.42	0.00
	TABLE OF B (POST) MEANS																
1	NO POST							0.0 -	59.7 -	2.5 -	42.4 -	74.3 -	57.8 -	73.2 -	2.8 -	2.5 -	0.0 -
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	0.0 -	63.4 -	1.3 -	50.5 -	74.3 -	60.6 -	73.5 -	2.8 -	4.7 -	0.0 -
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 -	61.3 -	5.9 -	48.1 -	70.7 -	62.4 -	72.9 -	8.1 -	5.9 -	0.0 -
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
	LSD P=.10							.	7.48	4.50	12.86	4.66	9.09	1.60	6.27	2.91	.
	Standard Deviation							0.00	10.89	6.55	18.72	6.78	13.24	2.33	9.12	4.23	0.00
	CV							0.00	17.72	202.79	39.81	9.27	21.97	3.18	198.96	96.66	0.00
	TABLE OF A (PRE) B (POST) MEANS																
1	NO PRE							0.0 -	0.0 -	0.0 -	0.0 -	0.0 -	0.0 d	0.0 -	0.0 -	0.0 -	0.0 -
1	NO POST																
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 -	73.8 -	0.0 -	48.8 -	99.0 -	62.5 c	98.0 -	1.3 -	3.8 -	0.0 -
1	NO POST																
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 -	85.0 -	1.3 -	61.0 -	99.0 -	81.0 ab	96.8 -	0.0 -	1.3 -	0.0 -
1	NO POST																
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	0.0 -	80.0 -	8.8 -	60.0 -	99.0 -	87.5 ab	98.0 -	10.0 -	5.0 -	0.0 -
1	NO POST																
1	NO PRE							0.0 -	0.0 -	0.0 -	0.0 -	0.0 -	0.0 d	0.0 -	1.3 -	3.8 -	0.0 -
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B										
2	AGRIDEX			1.0	% v/v	POST	B										
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	0.0 -	90.0 -	1.3 -	73.5 -	99.0 -	82.5 ab	99.0 -	3.8 -	3.8 -	0.0 -
2	LAUDIS	3.5	SC	3.0	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	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 -	83.8 -	2.5 -	55.0 -	99.0 -	82.5 ab	97.0 -	3.8 -	3.8 -	0.0 -
2	LAUDIS	3.5	SC	3.0	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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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9	10
	Weed Code							-----	Agrass	-----	Rapra	Amapa	Agrass	Lamam	-----	-----	-----
	Crop Code							Zeama	-----	Zeama	-----	-----	-----	-----	Zeama	Zeama	Zeama
	Part Rated																
	Rating Data Type							Stunting	Control	Stunting	Control	Control	Control	Control	Stunting	Chlorosis	Bleaching
	Rating Unit							%	%	%	%	%	%	%	%	%	%
	Rating Date							Apr-5-23	Apr-5-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-20-23	Apr-20-23	Apr-20-23
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	0.0 -	80.0 -	1.3 -	73.5 -	99.0 -	77.3 b	98.0 -	2.5 -	7.5 -	0.0 -
2	LAUDIS	3.5	SC	3.0	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							0.0 -	0.0 -	0.0 -	0.0 -	0.0 -	0.0 d	0.0 -	10.0 -	6.3 -	0.0 -
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	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 -	85.0 -	5.0 -	48.8 -	85.8 -	92.3 a	95.8 -	5.0 -	2.5 -	0.0 -
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
3	WARRANT	3	ME	48.0	oz/a	PRE	A	0.0 -	77.5 -	6.3 -	61.3 -	99.0 -	73.8 bc	98.0 -	7.5 -	7.5 -	0.0 -
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	0.0 -	82.5 -	12.5 -	82.5 -	98.0 -	83.8 ab	98.0 -	10.0 -	7.5 -	0.0 -
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
LSD P=.10								.	12.22	5.45	46.96	8.55	14.66	2.78	8.45	5.64	.
Standard Deviation								0.00	9.97	4.44	38.30	6.97	11.88	2.27	6.89	4.60	0.00
CV								0.00	16.22	137.57	81.45	9.55	19.71	3.10	150.39	105.05	0.00

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19	20
Weed Code								Rapra	Amapa	Agrass	-----	-----	Amapa	Rapra	Agrass	All	Amapa
Crop Code								-----	----	-----	Zeama	Zeama	-----	-----	-----	TOTAL	-----
Part Rated																WEED, -	
Rating Data Type								Control	Control	Control	Stunting	Chlorosis	Control	Control	Control	COVER	Control
Rating Unit								%	%	%	%	%	%	%	%	%	%
Rating Date								Apr-20-23	Apr-20-23	Apr-20-23	May-4-23	May-4-23	May-4-23	May-4-23	May-4-23	Aug-14-23	Aug-14-23
TABLE OF R MEANS																	
Replicate 1								76.8	90.8	75.7	4.6	0.0	89.7	74.9	68.1	89.6	87.1
Replicate 2								73.6	90.8	79.3	4.6	0.0	89.6	74.3	72.3	92.5	89.4
Replicate 3								82.5	89.6	86.1	2.5	0.0	89.7	82.2	80.1	79.6	84.6
Replicate 4								74.3	90.8	88.7	2.5	0.0	90.0	73.2	85.9	71.7	86.3
TABLE OF A (PRE) MEANS																	
1	NO PRE							60.3 -	64.8 b	55.9 b	3.8 -	0.0 -	64.9 c	61.8 -	49.8 b	89.6 -	59.9 b
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	82.2 -	99.0 a	87.8 a	1.3 -	0.0 -	98.7 a	78.4 -	83.3 a	80.4 -	94.8 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	82.5 -	99.0 a	94.8 a	3.3 -	0.0 -	99.0 a	82.2 -	85.3 a	77.9 -	96.7 a
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	82.2 -	99.0 a	91.3 a	5.8 -	0.0 -	96.3 b	82.2 -	87.9 a	85.4 -	95.9 a
LSD P=.10								25.45	1.51	13.25	3.69	.	1.85	22.62	13.16	12.87	3.61
Standard Deviation								34.01	2.02	17.71	4.93	0.00	2.47	30.23	17.59	17.20	4.82
CV								44.29	2.23	21.48	139.20	0.00	2.76	39.71	22.96	20.64	5.55
TABLE OF B (POST) MEANS																	
1	NO POST							37.1 b	74.3 b	62.4 b	1.3 b	0.0 -	72.0 b	33.8 b	53.8 c	94.7 a	71.3 c
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	94.2 a	98.1 a	91.5 a	1.9 b	0.0 -	98.2 a	96.4 a	84.1 b	74.1 b	93.0 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	99.0 a	99.0 a	93.4 a	7.5 a	0.0 -	99.0 a	98.1 a	91.9 a	81.3 b	96.2 a
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
LSD P=.10								14.56	1.39	7.36	4.58	.	1.40	9.65	6.76	8.38	3.01
Standard Deviation								21.19	2.02	10.72	6.67	0.00	2.04	14.05	9.84	12.20	4.38
CV								27.60	2.23	13.00	188.24	0.00	2.27	18.46	12.85	14.64	5.05
TABLE OF A (PRE) B (POST) MEANS																	
1	NO PRE							0.0 -	0.0 c	0.0 c	0.0 -	0.0 -	0.0 d	0.0 -	0.0 e	100.0 -	0.0 c
1	NO POST																
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	49.5 -	99.0 a	67.5 b	0.0 -	0.0 -	98.0 ab	37.3 -	57.5 d	91.3 -	93.5 a
1	NO POST																
3	WARRANT	3	ME	48.0	oz/a	PRE	A	49.5 -	99.0 a	88.5 a	0.0 -	0.0 -	99.0 a	49.5 -	72.5 bcd	91.3 -	97.0 a
1	NO POST																
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	49.5 -	99.0 a	93.5 a	5.0 -	0.0 -	91.0 c	48.5 -	85.0 abc	96.3 -	94.8 a
1	NO POST																
1	NO PRE							81.8 -	95.5 b	84.5 ab	1.3 -	0.0 -	95.8 b	89.8 -	66.3 cd	88.8 -	85.0 b
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B										
2	AGRIDEX			1.0	% v/v	POST	B										
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	98.0 -	99.0 a	98.0 a	0.0 -	0.0 -	99.0 a	99.0 -	98.0 a	62.5 -	95.0 a
2	LAUDIS	3.5	SC	3.0	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	WARRANT	3	ME	48.0	oz/a	PRE	A	99.0 -	99.0 a	99.0 a	3.8 -	0.0 -	99.0 a	98.0 -	92.5 ab	73.8 -	96.0 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B										
2	AGRIDEX			1.0	% v/v	POST	B										

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University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Rapra ----- Control % Apr-20-23 11	Amapa ---- Control % Apr-20-23 12	Agrass ----- Control % Apr-20-23 13	----- Zeama Stunting % May-4-23 14	----- Zeama Chlorosis % May-4-23 15	Amapa ----- Control % May-4-23 16	Rapra ----- Control % May-4-23 17	Agrass ----- Control % May-4-23 18	All TOTAL WEED, - COVER % Aug-14-23 19	Amapa ----- Control % Aug-14-23 20
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	98.0 -	99.0 a	84.5 ab	2.5 -	0.0 -	99.0 a	99.0 -	79.8 abc	71.3 -	96.0 a
2	LAUDIS	3.5	SC	3.0	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 -	99.0 a	83.3 ab	10.0 -	0.0 -	99.0 a	95.5 -	83.3 abc	80.0 -	94.8 a
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	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	99.0 -	99.0 a	98.0 a	3.8 -	0.0 -	99.0 a	99.0 -	94.5 a	87.5 -	96.0 a
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
3	WARRANT	3	ME	48.0	oz/a	PRE	A	99.0 -	99.0 a	96.8 a	6.3 -	0.0 -	99.0 a	99.0 -	91.0 ab	68.8 -	97.0 a
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	99.0 -	99.0 a	95.8 a	10.0 -	0.0 -	99.0 a	99.0 -	99.0 a	88.8 -	97.0 a
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B										
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B										
3	AGRIDEX			1.0	% v/v	POST	B										
LSD P=.10								40.16	2.48	17.23	6.54	.	2.70	37.07	21.26	16.26	5.43
Standard Deviation								32.75	2.02	14.05	5.34	0.00	2.21	30.23	17.34	13.26	4.43
CV								42.66	2.23	17.04	150.66	0.00	2.46	39.71	22.64	15.91	5.10

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University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	21	22	23	24
Weed Code								Agrass	Dedto	-----	-----
Crop Code								-----	-----	ZEAMA	ZEAMA
Part Rated										PLOT, -	PLOT, -
Rating Data Type								Control	CONTROL	YIELD	YIELD
Rating Unit								%	%	LBS/PLOT	BU/A
Rating Date								Aug-14-23	Aug-14-23	Aug-28-23	Aug-28-23
TABLE OF R MEANS											
Replicate 1								10.0	81.5	35.2	187
Replicate 2								9.2	60.3	34.7	184
Replicate 3								53.3	64.5	38.8	206
Replicate 4								60.8	65.4	44.3	235
TABLE OF A (PRE) MEANS											
1	NO PRE							12.9 -	78.6 a	36.8 b	195 b
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	43.3 -	62.9 b	39.3 a	209 a
3	WARRANT	3	ME	48.0	oz/a	PRE	A	38.8 -	76.9 a	40.2 a	214 a
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	38.3 -	53.3 b	36.6 b	194 b
LSD P=.10								23.90	12.23	2.31	12.3
Standard Deviation								31.94	16.34	3.09	16.4
CV								95.81	24.06	8.09	8.1
TABLE OF B (POST) MEANS											
1	NO POST							22.5 -	77.0 a	37.6 -	200 -
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B	38.4 -	83.0 a	39.8 -	212 -
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	39.1 -	43.8 b	37.3 -	198 -
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B				
3	AGRIDEX			1.0	% v/v	POST	B				
LSD P=.10								15.79	18.63	3.64	19.4
Standard Deviation								22.98	27.11	5.30	28.2
CV								68.93	39.92	13.88	13.9
TABLE OF A (PRE) B (POST) MEANS											
1	NO PRE							0.0 -	98.3 a	32.0 e	170 e
1	NO POST										
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	37.5 -	75.0 bc	40.0 abc	213 abc
1	NO POST										
3	WARRANT	3	ME	48.0	oz/a	PRE	A	26.3 -	86.0 abc	40.7 ab	216 ab
1	NO POST										
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	26.3 -	48.8 de	37.8 bcd	201 bcd
1	NO POST										
1	NO PRE							5.0 -	87.5 abc	41.8 a	222 a
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B				
2	AGRIDEX			1.0	% v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	55.0 -	76.3 bc	39.3 abc	209 abc
2	LAUDIS	3.5	SC	3.0	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	WARRANT	3	ME	48.0	oz/a	PRE	A	47.5 -	77.3 bc	41.0 ab	218 ab
2	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
2	PROWL H20	3.8	SC	32.0	oz/a	POST	B				
2	AGRIDEX			1.0	% v/v	POST	B				

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University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Agrass ----- Control % Aug-14-23 21	Dedto ----- CONTROL % Aug-14-23 22	----- ZEAMA PLOT, - YIELD LBS/PLOT Aug-28-23 23	----- ZEAMA PLOT, - YIELD BU/A Aug-28-23 24
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	46.3 -	91.0 ab	37.3 bcd	198 bcd
2	LAUDIS	3.5	SC	3.0	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							33.8 -	50.0 de	36.5 cd	194 cd
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
3	ZIDUA	4.17	SC	2.5	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	37.5 -	37.5 ef	38.8 abc	206 abc
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B				
3	AGRIDEX			1.0	% v/v	POST	B				
3	WARRANT	3	ME	48.0	oz/a	PRE	A	42.5 -	67.5 cd	39.0 abc	207 abc
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B				
3	AGRIDEX			1.0	% v/v	POST	B				
4	OUTLOOK	6	EC	12.8	oz/a	PRE	A	42.5 -	20.0 f	34.8 de	185 de
3	LAUDIS	3.5	SC	3.0	oz/a	POST	B				
3	ZIDUA	4.17	SC	2.5	oz/a	POST	B				
3	AGRIDEX			1.0	% v/v	POST	B				
LSD P=.10								27.01	20.65	3.95	21.0
Standard Deviation								22.03	16.84	3.20	17.0
CV								66.09	24.80	8.38	8.4

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University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-5-23 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	2	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	18	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass ----- Control % Apr-5-23 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	66997.916667				
R	3	2272.916667	757.638889	7.625	0.0017	
A	3	60460.416667	20153.472222	170.378	0.0001	8.1
RA	9	1064.583333	118.287037			
B	2	113.541667	56.770833	0.479	0.6413	7.5
RB	6	711.458333	118.576389			
AB	6	586.458333	97.743056	0.984	0.4647	12.2
RAB	18	1788.541667	99.363426			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-11-23 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1774.479167				
R	3	197.395833	65.798611	3.334	0.0428	
A	3	359.895833	119.965278	4.617	0.0321	3.8
RA	9	233.854167	25.983796			
B	2	188.541667	94.270833	2.198	0.1922	4.5
RB	6	257.291667	42.881944			
AB	6	182.291667	30.381944	1.540	0.2219	5.4
RAB	18	355.208333	19.733796			

COMPLETE FACTORIAL AOV For Rapra ----- Control % Apr-11-23 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	73026.979167				
R	3	1477.729167	492.576389	0.336	0.7996	
A	3	36960.062500	12320.020833	33.326	0.0001	14.4
RA	9	3327.187500	369.687500			
B	2	549.291667	274.645833	0.784	0.4984	12.9
RB	6	2102.708333	350.451389			
AB	6	2210.375000	368.395833	0.251	0.9525	47.0
RAB	18	26399.625000	1466.645833			

COMPLETE FACTORIAL AOV For Amapa ----- Control % Apr-11-23 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	87752.812500				
R	3	137.729167	45.909722	0.944	0.4403	
A	3	85555.229167	28518.409722	586.190	0.0001	5.2
RA	9	437.854167	48.650463			
B	2	135.375000	67.687500	1.474	0.3014	4.7
RB	6	275.458333	45.909722			
AB	6	335.458333	55.909722	1.149	0.3750	8.6
RAB	18	875.708333	48.650463			

COMPLETE FACTORIAL AOV For Agrass ----- Control % Apr-11-23 (Data Column 6) Missing values in column 6 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	45	67635.000000				
R	3	2312.000000	770.666667	5.464	0.0089	
A	3	58193.500000	19397.833333	109.742	0.0001	9.9
RA	9	1590.833333	176.759259			
B	2	178.125000	89.062500	0.508	0.6253	9.1
RB	6	1051.375000	175.229167			
AB	6	2052.375000	342.062500	2.425	0.0734	14.7
RAB	16	2256.791667	141.049479			

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WEED CONTROL IN FIELD CORN WITH LAUDIS
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Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Lamam ----- Control % Apr-11-23 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	85971.916667				
R	3	37.416667	12.472222	2.426	0.0991	
A	3	85754.750000	28584.916667	8845.762	0.0001	1.3
RA	9	29.083333	3.231481			
B	2	2.541667	1.270833	0.235	0.7976	1.6
RB	6	32.458333	5.409722			
AB	6	23.125000	3.854167	0.750	0.6176	2.8
RAB	18	92.541667	5.141204			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-20-23 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2241.666667				
R	3	66.666667	22.222222	0.468	0.7084	
A	3	137.500000	45.833333	2.676	0.1103	3.1
RA	9	154.166667	17.129630			
B	2	301.041667	150.520833	1.810	0.2426	6.3
RB	6	498.958333	83.159722			
AB	6	228.125000	38.020833	0.800	0.5823	8.5
RAB	18	855.208333	47.511574			

COMPLETE FACTORIAL AOV For ----- Zeama Chlorosis % Apr-20-23 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	981.250000				
R	3	139.583333	46.527778	2.203	0.1230	
A	3	89.583333	29.861111	3.146	0.0794	2.3
RA	9	85.416667	9.490741			
B	2	96.875000	48.437500	2.709	0.1451	2.9
RB	6	107.291667	17.881944			
AB	6	82.291667	13.715278	0.649	0.6903	5.6
RAB	18	380.208333	21.122685			

COMPLETE FACTORIAL AOV For ----- Zeama Bleaching % Apr-20-23 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	2	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	18	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Rapra ----- Control % Apr-20-23 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	79084.479167				
R	3	592.062500	197.354167	0.184	0.9059	
A	3	4367.895833	1455.965278	1.259	0.3454	25.4
RA	9	10407.187500	1156.354167			
B	2	37908.291667	18954.145833	42.216	0.0003	14.6
RB	6	2693.875000	448.979167			
AB	6	3810.541667	635.090278	0.592	0.7326	40.2
RAB	18	19304.625000	1072.479167			

COMPLETE FACTORIAL AOV For Amapa ---- Control % Apr-20-23 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35897.916667				
R	3	12.250000	4.083333	1.000	0.4155	
A	3	10506.250000	3502.083333	857.653	0.0001	1.5
RA	9	36.750000	4.083333			
B	2	6311.166667	3155.583333	772.796	0.0001	1.4
RB	6	24.500000	4.083333			
AB	6	18933.500000	3155.583333	772.796	0.0001	2.5
RAB	18	73.500000	4.083333			

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 LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Agrass ----- Control % Apr-20-23 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	41667.812500				
R	3	1290.895833	430.298611	2.180	0.1257	
A	3	11540.729167	3846.909722	12.268	0.0016	13.3
RA	9	2822.187500	313.576389			
B	2	9690.125000	4845.062500	42.159	0.0003	7.4
RB	6	689.541667	114.923611			
AB	6	12081.708333	2013.618056	10.202	0.0001	17.2
RAB	18	3552.625000	197.368056			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % May-4-23 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1647.916667				
R	3	52.083333	17.361111	0.610	0.6173	
A	3	127.083333	42.361111	1.743	0.2277	3.7
RA	9	218.750000	24.305556			
B	2	379.166667	189.583333	4.266	0.0704	4.6
RB	6	266.666667	44.444444			
AB	6	91.666667	15.277778	0.537	0.7736	6.5
RAB	18	512.500000	28.472222			

COMPLETE FACTORIAL AOV For ----- Zeama Chlorosis % May-4-23 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	2	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	18	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Amapa ----- Control % May-4-23 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	35549.479167				
R	3	1.229167	0.409722	0.084	0.9678	
A	3	9901.229167	3300.409722	539.863	0.0001	1.9
RA	9	55.020833	6.113426			
B	2	7549.041667	3774.520833	907.397	0.0001	1.4
RB	6	24.958333	4.159722			
AB	6	17930.458333	2988.409722	614.466	0.0001	2.7
RAB	18	87.541667	4.863426			

COMPLETE FACTORIAL AOV For Rapra ----- Control % May-4-23 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	76195.250000				
R	3	602.750000	200.916667	0.220	0.8813	
A	3	3418.750000	1139.583333	1.247	0.3490	22.6
RA	9	8222.416667	913.601852			
B	2	42991.125000	21495.562500	108.896	0.0001	9.7
RB	6	1184.375000	197.395833			
AB	6	3326.875000	554.479167	0.607	0.7218	37.1
RAB	18	16448.958333	913.831019			

COMPLETE FACTORIAL AOV For Agrass ----- Control % May-4-23 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	43939.479167				
R	3	2276.062500	758.687500	2.523	0.0903	
A	3	11593.562500	3864.520833	12.497	0.0015	13.2
RA	9	2783.187500	309.243056			
B	2	13023.791667	6511.895833	67.205	0.0001	6.8
RB	6	581.375000	96.895833			
AB	6	8267.875000	1377.979167	4.582	0.0054	21.3
RAB	18	5413.625000	300.756944			

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 LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For All TOTAL WEED COVER % Aug-14-23 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	16166.666667				
R	3	3279.166667	1093.055556	6.215	0.0044	
A	3	975.000000	325.000000	1.099	0.3989	12.9
RA	9	2662.500000	295.833333			
B	2	3507.291667	1753.645833	11.786	0.0084	8.4
RB	6	892.708333	148.784722			
AB	6	1684.375000	280.729167	1.596	0.2054	16.3
RAB	18	3165.625000	175.868056			

COMPLETE FACTORIAL AOV For Amapa ----- Control % Aug-14-23 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	34190.666667				
R	3	145.666667	48.555556	2.480	0.0941	
A	3	11612.500000	3870.833333	166.554	0.0001	3.6
RA	9	209.166667	23.240741			
B	2	5862.791667	2931.395833	152.666	0.0001	3.0
RB	6	115.208333	19.201389			
AB	6	15892.875000	2648.812500	135.275	0.0001	5.4
RAB	18	352.458333	19.581019			

COMPLETE FACTORIAL AOV For Agrass ----- Control % Aug-14-23 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	60716.666667				
R	3	27416.666667	9138.888889	18.829	0.0001	
A	3	6854.166667	2284.722222	2.240	0.1528	23.9
RA	9	9179.166667	1019.907407			
B	2	2819.791667	1409.895833	2.671	0.1481	15.8
RB	6	3167.708333	527.951389			
AB	6	2542.708333	423.784722	0.873	0.5335	27.0
RAB	18	8736.458333	485.358796			

COMPLETE FACTORIAL AOV For Dedto ----- CONTROL % Aug-14-23 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	40171.666667				
R	3	3134.500000	1044.833333	3.684	0.0315	
A	3	5218.666667	1739.555556	6.517	0.0124	12.2
RA	9	2402.500000	266.944444			
B	2	14304.666667	7152.333333	9.731	0.0131	18.6
RB	6	4410.000000	735.000000			
AB	6	5596.333333	932.722222	3.289	0.0230	20.6
RAB	18	5105.000000	283.611111			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-28-23 (Data Column 23) Missing values in column 23 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	45	1462.740741				
R	3	699.055556	233.018519	22.709	0.0001	
A	3	121.055556	40.351852	4.217	0.0404	2.3
RA	9	86.111111	9.567901			
B	2	61.699074	30.849537	1.096	0.3928	3.6
RB	6	168.819444	28.136574			
AB	6	161.819444	26.969907	2.628	0.0573	4.0
RAB	16	164.180556	10.261285			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD BU/A Aug-28-23 (Data Column 24) Missing values in column 24 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	45	41314.917951				
R	3	19744.731323	6581.577108	22.709	0.0001	
A	3	3419.198089	1139.732696	4.217	0.0404	12
RA	9	2432.196897	270.244100			
B	2	1742.682153	871.341076	1.096	0.3928	19
RB	6	4768.282787	794.713798			
AB	6	4570.568717	761.761453	2.628	0.0573	21
RAB	16	4637.257986	289.828624			

Rating Unit

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 LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

% = PERCENT
ARM Action Codes
TY1 = 5.31459003*[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.

University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7	8	9
	Weed Code								-----	Agrass	-----	Rapra	Amapa	Agrass	Lamam	-----	-----
	Crop Code								Zeama	-----	Zeama	-----	-----	-----	-----	Zeama	Zeama
	Part Rated																
	Rating Data Type								Stunting	Control	Stunting	Control	Control	Control	Control	Stunting	Chlorosis
	Rating Unit								%	%	%	%	%	%	%	%	%
	Rating Date								Apr-5-23	Apr-5-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-20-23	Apr-20-23
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							212	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
								301	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO PRE							102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	208	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	AGRIDEX			1.0	% v/v	POST	B	406	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.8
3	NO PRE							103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	205	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	306	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	5.0
	AGRIDEX			1.0	% v/v	POST	B	409	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.3
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	104	0.0	65.0	0.0	0.0	99.0	50.0	99.0	0.0	0.0
	NO POST							207	0.0	50.0	0.0	50.0	99.0	30.0	99.0	0.0	10.0
								302	0.0	90.0	0.0	95.0	99.0	85.0	95.0	0.0	0.0
								411	0.0	90.0	0.0	50.0	99.0	85.0	99.0	5.0	5.0
								Mean =	0.0	73.8	0.0	48.8	99.0	62.5	98.0	1.3	3.8
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	0.0	85.0	0.0	50.0	99.0	75.0	99.0	0.0	5.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	210	0.0	85.0	0.0	50.0	99.0	65.0	99.0	0.0	0.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	305	0.0	95.0	5.0	99.0	99.0	95.0	99.0	15.0	10.0
	AGRIDEX			1.0	% v/v	POST	B	402	0.0	95.0	0.0	95.0	99.0	95.0	99.0	0.0	0.0
								Mean =	0.0	90.0	1.3	73.5	99.0	82.5	99.0	3.8	3.8
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	0.0	65.0	15.0	50.0	50.0	99.0	90.0	20.0	10.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	204	0.0	85.0	0.0	95.0	95.0	85.0	95.0	0.0	0.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	310	0.0	95.0	0.0	50.0	99.0	95.0	99.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	408	0.0	95.0	5.0	0.0	99.0	90.0	99.0	0.0	0.0
								Mean =	0.0	85.0	5.0	48.8	85.8	92.3	95.8	5.0	2.5
7	WARRANT	3	ME	48.0	oz/a	PRE	A	107	0.0	65.0	0.0	50.0	99.0	50.0	99.0	0.0	5.0
	NO POST							211	0.0	85.0	5.0	0.0	99.0	85.0	90.0	0.0	0.0
								308	0.0	95.0	0.0	95.0	99.0	90.0	99.0	0.0	0.0
								404	0.0	95.0	0.0	99.0	99.0	99.0	99.0	0.0	0.0
								Mean =	0.0	85.0	1.3	61.0	99.0	81.0	96.8	0.0	1.3
8	WARRANT	3	ME	48.0	oz/a	PRE	A	108	0.0	80.0	0.0	75.0	99.0	85.0	95.0	0.0	5.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	209	0.0	65.0	10.0	95.0	99.0	65.0	99.0	15.0	10.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	304	0.0	95.0	0.0	0.0	99.0	85.0	95.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	410	0.0	95.0	0.0	50.0	99.0	95.0	99.0	0.0	0.0
								Mean =	0.0	83.8	2.5	55.0	99.0	82.5	97.0	3.8	3.8
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	0.0	65.0	20.0	50.0	99.0	75.0	95.0	20.0	10.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	202	0.0	65.0	0.0	50.0	99.0	65.0	99.0	0.0	10.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	309	0.0	95.0	5.0	95.0	99.0	90.0	99.0	10.0	10.0
	AGRIDEX			1.0	% v/v	POST	B	401	0.0	85.0	0.0	50.0	99.0	65.0	99.0	0.0	0.0
								Mean =	0.0	77.5	6.3	61.3	99.0	73.8	98.0	7.5	7.5
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	110	0.0	65.0	10.0	95.0	99.0	85.0	95.0	5.0	0.0
	NO POST							203	0.0	85.0	20.0	95.0	99.0	80.0	99.0	20.0	10.0
								311	0.0	95.0	5.0	50.0	99.0	95.0	99.0	15.0	10.0
								412	0.0	75.0	0.0	0.0	99.0	90.0	99.0	0.0	0.0
								Mean =	0.0	80.0	8.8	60.0	99.0	87.5	98.0	10.0	5.0
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	111	0.0	95.0	5.0	50.0	99.0	99.0	95.0	0.0	5.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	0.0	65.0	0.0	50.0	99.0	60.0	99.0	0.0	10.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	0.0	65.0	0.0	95.0	99.0	65.0	99.0	0.0	10.0
	AGRIDEX			1.0	% v/v	POST	B	405	0.0	95.0	0.0	99.0	99.0	85.0	99.0	10.0	5.0
								Mean =	0.0	80.0	1.3	73.5	99.0	77.3	98.0	2.5	7.5

University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7	8	9
	Weed Code								-----	Agrass	-----	Rapra	Amapa	Agrass	Lamam	-----	-----
	Crop Code								Zeama	-----	Zeama	-----	-----	-----	-----	Zeama	Zeama
	Part Rated																
	Rating Data Type								Stunting	Control	Stunting	Control	Control	Control	Control	Stunting	Chlorosis
	Rating Unit								%	%	%	%	%	%	%	%	%
	Rating Date								Apr-5-23	Apr-5-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-20-23	Apr-20-23
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	0.0	75.0	20.0	75.0	99.0	85.0	95.0	15.0	10.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	206	0.0	65.0	20.0	65.0	95.0	60.0	99.0	10.0	10.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	312	0.0	95.0	0.0	95.0	99.0	95.0	99.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	403	0.0	95.0	10.0	95.0	99.0	95.0	99.0	15.0	10.0
								Mean =	0.0	82.5	12.5	82.5	98.0	83.8	98.0	10.0	7.5

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WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	10	11	12	13	14	15	16	17	18
	Weed Code								-----	Rapra	Amapa	Agrass	-----	-----	Amapa	Rapra	Agrass
	Crop Code								Zeama	-----	----	-----	Zeama	Zeama	-----	-----	-----
	Part Rated																
	Rating Data Type								Bleaching	Control	Control	Control	Stunting	Chlorosis	Control	Control	Control
	Rating Unit								%	%	%	%	%	%	%	%	%
	Rating Date								Apr-20-23	Apr-20-23	Apr-20-23	Apr-20-23	May-4-23	May-4-23	May-4-23	May-4-23	May-4-23
1	NO PRE							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NO POST							212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO PRE							102	0.0	30.0	99.0	50.0	0.0	0.0	95.0	75.0	30.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	208	0.0	99.0	99.0	90.0	0.0	0.0	99.0	99.0	60.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	303	0.0	99.0	85.0	99.0	0.0	0.0	90.0	95.0	85.0
	AGRIDEX			1.0	% v/v	POST	B	406	0.0	99.0	99.0	99.0	5.0	0.0	99.0	90.0	90.0
								Mean =	0.0	81.8	95.5	84.5	1.3	0.0	95.8	89.8	66.3
3	NO PRE							103	0.0	99.0	99.0	50.0	15.0	0.0	99.0	85.0	40.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	205	0.0	99.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	306	0.0	99.0	99.0	85.0	15.0	0.0	99.0	99.0	95.0
	AGRIDEX			1.0	% v/v	POST	B	409	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	99.0	99.0	83.3	10.0	0.0	99.0	95.5	83.3
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	104	0.0	99.0	99.0	50.0	0.0	0.0	99.0	50.0	30.0
	NO POST							207	0.0	0.0	99.0	30.0	0.0	0.0	99.0	0.0	30.0
								302	0.0	99.0	99.0	95.0	0.0	0.0	95.0	99.0	85.0
								411	0.0	0.0	99.0	95.0	0.0	0.0	99.0	0.0	85.0
								Mean =	0.0	49.5	99.0	67.5	0.0	0.0	98.0	37.3	57.5
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	210	0.0	95.0	99.0	95.0	0.0	0.0	99.0	99.0	95.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	305	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	402	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	98.0	99.0	98.0	0.0	0.0	99.0	99.0	98.0
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	0.0	99.0	99.0	99.0	15.0	0.0	99.0	99.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	204	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0	85.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	310	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	408	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	99.0	99.0	98.0	3.8	0.0	99.0	99.0	94.5
7	WARRANT	3	ME	48.0	oz/a	PRE	A	107	0.0	0.0	99.0	65.0	0.0	0.0	99.0	0.0	60.0
	NO POST							211	0.0	0.0	99.0	95.0	0.0	0.0	99.0	0.0	90.0
								308	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	50.0
								404	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0	90.0
								Mean =	0.0	49.5	99.0	88.5	0.0	0.0	99.0	49.5	72.5
8	WARRANT	3	ME	48.0	oz/a	PRE	A	108	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	209	0.0	99.0	99.0	99.0	15.0	0.0	99.0	99.0	85.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	304	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	95.0
	AGRIDEX			1.0	% v/v	POST	B	410	0.0	99.0	99.0	99.0	0.0	0.0	99.0	95.0	95.0
								Mean =	0.0	99.0	99.0	99.0	3.8	0.0	99.0	98.0	92.5
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	0.0	99.0	99.0	99.0	15.0	0.0	99.0	99.0	95.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	202	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	85.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	309	0.0	99.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	401	0.0	99.0	99.0	90.0	0.0	0.0	99.0	99.0	85.0
								Mean =	0.0	99.0	99.0	96.8	6.3	0.0	99.0	99.0	91.0
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	110	0.0	99.0	99.0	99.0	0.0	0.0	90.0	95.0	75.0
	NO POST							203	0.0	99.0	99.0	85.0	15.0	0.0	85.0	99.0	75.0
								311	0.0	0.0	99.0	95.0	5.0	0.0	99.0	0.0	95.0
								412	0.0	0.0	99.0	95.0	0.0	0.0	90.0	0.0	95.0
								Mean =	0.0	49.5	99.0	93.5	5.0	0.0	91.0	48.5	85.0
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	111	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	0.0	95.0	99.0	75.0	0.0	0.0	99.0	99.0	65.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	0.0	99.0	99.0	65.0	0.0	0.0	99.0	99.0	60.0
	AGRIDEX			1.0	% v/v	POST	B	405	0.0	99.0	99.0	99.0	10.0	0.0	99.0	99.0	95.0
								Mean =	0.0	98.0	99.0	84.5	2.5	0.0	99.0	99.0	79.8

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WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	10	11	12	13	14	15	16	17	18
	Weed Code								-----	Rapra	Amapa	Agrass	-----	-----	Amapa	Rapra	Agrass
	Crop Code								Zeama	-----	----	-----	Zeama	Zeama	-----	-----	-----
	Part Rated																
	Rating Data Type								Bleaching	Control	Control	Control	Stunting	Chlorosis	Control	Control	Control
	Rating Unit								%	%	%	%	%	%	%	%	%
	Rating Date								Apr-20-23	Apr-20-23	Apr-20-23	Apr-20-23	May-4-23	May-4-23	May-4-23	May-4-23	May-4-23
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	0.0	99.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	206	0.0	99.0	99.0	90.0	15.0	0.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	312	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	B	403	0.0	99.0	99.0	95.0	15.0	0.0	99.0	99.0	99.0
								Mean =	0.0	99.0	99.0	95.8	10.0	0.0	99.0	99.0	99.0

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WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	All TOTAL WEED, - COVER % Aug-14-23	Amapa ----- Control % Aug-14-23	Agrass ----- Control % Aug-14-23	Dedto ----- CONTROL % Aug-14-23	----- ZEAMA PLOT, - YIELD LBS/PLOT Aug-28-23	----- ZEAMA PLOT, - YIELD BU/A Aug-28-23
									19	20	21	22	23	24
1	NO PRE							101	100.0	0.0	0.0	100.0	.	.
	NO POST							212	100.0	0.0	0.0	99.0	27.0	143
								301	100.0	0.0	0.0	99.0	33.0	175
								407	100.0	0.0	0.0	95.0	36.0	191
								Mean =	100.0	0.0	0.0	98.3	32.0	170
2	NO PRE							102	95.0	85.0	0.0	100.0	39.0	207
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	208	100.0	95.0	0.0	95.0	43.0	229
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	303	85.0	65.0	0.0	95.0	40.0	213
	AGRIDEX			1.0	% v/v	POST	B	406	75.0	95.0	20.0	60.0	45.0	239
								Mean =	88.8	85.0	5.0	87.5	41.8	222
3	NO PRE							103	95.0	90.0	0.0	100.0	37.0	197
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	205	100.0	99.0	0.0	0.0	27.0	143
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	306	65.0	95.0	50.0	50.0	34.0	181
	AGRIDEX			1.0	% v/v	POST	B	409	60.0	95.0	85.0	50.0	48.0	255
								Mean =	80.0	94.8	33.8	50.0	36.5	194
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	104	95.0	90.0	0.0	95.0	37.0	197
	NO POST							207	100.0	99.0	0.0	95.0	36.0	191
								302	85.0	95.0	65.0	50.0	42.0	223
								411	85.0	90.0	85.0	60.0	45.0	239
								Mean =	91.3	93.5	37.5	75.0	40.0	213
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	90.0	95.0	0.0	95.0	33.0	175
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	210	70.0	95.0	50.0	75.0	41.0	218
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	305	45.0	95.0	85.0	60.0	40.0	213
	AGRIDEX			1.0	% v/v	POST	B	402	45.0	95.0	85.0	75.0	43.0	229
								Mean =	62.5	95.0	55.0	76.3	39.3	209
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	100.0	95.0	0.0	50.0	37.0	197
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	204	100.0	99.0	0.0	0.0	29.0	154
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	310	85.0	95.0	65.0	50.0	40.0	213
	AGRIDEX			1.0	% v/v	POST	B	408	65.0	95.0	85.0	50.0	49.0	260
								Mean =	87.5	96.0	37.5	37.5	38.8	206
7	WARRANT	3	ME	48.0	oz/a	PRE	A	107	100.0	99.0	0.0	99.0	.	.
	NO POST							211	85.0	99.0	0.0	95.0	38.0	202
								308	95.0	95.0	85.0	75.0	41.0	218
								404	85.0	95.0	20.0	75.0	43.0	229
								Mean =	91.3	97.0	26.3	86.0	40.7	216
8	WARRANT	3	ME	48.0	oz/a	PRE	A	108	85.0	99.0	20.0	99.0	38.0	202
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	209	85.0	95.0	30.0	75.0	39.0	207
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	304	60.0	95.0	65.0	75.0	39.0	207
	AGRIDEX			1.0	% v/v	POST	B	410	65.0	95.0	75.0	60.0	48.0	255
								Mean =	73.8	96.0	47.5	77.3	41.0	218
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	75.0	99.0	20.0	75.0	34.0	181
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	202	75.0	99.0	30.0	60.0	40.0	213
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	309	40.0	95.0	90.0	75.0	40.0	213
	AGRIDEX			1.0	% v/v	POST	B	401	85.0	95.0	30.0	60.0	42.0	223
								Mean =	68.8	97.0	42.5	67.5	39.0	207
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	110	100.0	99.0	0.0	50.0	35.0	186
	NO POST							203	100.0	95.0	0.0	30.0	34.0	181
								311	100.0	95.0	30.0	50.0	37.0	197
								412	85.0	90.0	75.0	65.0	45.0	239
								Mean =	96.3	94.8	26.3	48.8	37.8	201
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	111	40.0	95.0	80.0	95.0	30.0	159
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	201	100.0	99.0	0.0	99.0	37.0	197
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	95.0	95.0	20.0	95.0	39.0	207
	AGRIDEX			1.0	% v/v	POST	B	405	50.0	95.0	85.0	75.0	43.0	229
								Mean =	71.3	96.0	46.3	91.0	37.3	198

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WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	All TOTAL WEED, - COVER % Aug-14-23	Amapa ----- Control % Aug-14-23	Agrass ----- Control % Aug-14-23	Dedto ----- CONTROL % Aug-14-23	----- ZEAMA PLOT, - YIELD LBS/PLOT Aug-28-23	----- ZEAMA PLOT, - YIELD BU/A Aug-28-23
									19	20	21	22	23	24
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	100.0	99.0	0.0	20.0	30.0	159
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	206	95.0	99.0	0.0	0.0	25.0	133
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	312	100.0	95.0	85.0	0.0	40.0	213
	AGRIDEX			1.0	% v/v	POST	B	403	60.0	95.0	85.0	60.0	44.0	234
								Mean =	88.8	97.0	42.5	20.0	34.8	185

University of Georgia

WEED CONTROL IN FIELD CORN WITH LAUDIS
NO ATRAZINE/ROUNDUP/LIBERTY
Trial ID: CN-09-23 Study Dir.: N. SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.31459003*[23]