

# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

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

Trt No.	Treatment Name	Form Form		Rate	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep			
		Conc	Type							Rate	Unit	1	2
1	NO PRE NO POST								- -	101	212	301	
2	NO PRE	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	1459 mL	102	208	303
	IMPACT	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
	PROWL H20			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
3	NO PRE	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	1482.1 mL	103	205	306
	IMPACT	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx				
	ZIDUA			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
4	DUAL II MAGNUM NO POST	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	104	207	302
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
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
	AGRINDEX			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
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx				
	AGRINDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
7	WARRANT NO POST	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	107	211	308
8	WARRANT	3	ME	48.0	oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	108	209	304
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
	AGRINDEX			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
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx				
	AGRINDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				
10	OUTLOOK NO POST	6	EC	12.8	oz/a	PRE	A	15 GPA	10.0 mL/mx	1490 mL	110	203	311
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	15 GPA	10.0 mL/mx	1490 mL	111	201	307
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
	AGRINDEX			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
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	15 GAL/AC	1.953 mL/mx				
	AGRINDEX			1.0	% v/v	POST	B	15 GAL/AC	15.0 mL/mx				

Sort Order: Replicate 1

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WEED CONTROL IN FIELD CORN WITH IMPACT  
NO ATRAZINE/ROUNDUP/LIBERTY  
Trial ID: CN-07-23 Study Dir.: N. SHAY  
Location: PONDER FARM Investigator: Eric P. Prostko

## Trial Comments

GRAMOXONE 2SL @ 48 OZ/A + TASER @ 0.25% V/V - 04/05/23

HARVEST DATE: 09/07/23  
HARVEST MOISTURE: 14.6%  
YIELDS ADJUSTED TO 15.5%

MISSING YIELD DATA IN PLOT 209 DUE TO LODGING CAUSED BY HURRICANE IDALIA

### **SUMMARY:**

- 1) DUAL II MAGNUM, OUTLOOK, AND WARRANT DID NOT PROVIDE ACCEPTABLE RESIDUAL CONTROL OF WILD RADISH.
- 2) RESIDUAL CONTROL OF ANNUAL GRASSES AND PALMER AMARANTH WITH DUAL II MAGNUM, OUTLOOK, AND WARRANT WAS SIMILAR.
- 3) IMPACT PROVIDED POOR POST CONTROL OF WILD RADISH (<70%).
- 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. GENERALLY, NO DIFFERENCES IN YIELD WERE OBSERVED BETWEEN TREATMENTS WITH THE FOLLOWING EXCEPTIONS:
  - A) OUTLOOK (PRE) FB IMPACT + ZIDUA (POST) HAD LOWER YIELDS THAN IMPACT + PROWL (POST) OR IMPACT + ZIDUA (POST) OR OR WARRANT (PRE) FB IMPACT + PROWL (POST).

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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

**Crop 1:** ZEAMA FIELD CORN **Variety:** PIONEER P2042VYHR  
**Planting Date:** Apr-3-23 **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:** 3  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** FACTOR

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.	FALLOW/SOYBEAN		2022

### MAINTENANCE

**Field Prep./Maintenance:** 1 TON/A DOLOMITE LIME - PREPLANT  
 800 LBS/A 5-15-30 - PREPLANT  
 2 SIDEDRESS APPLICATIONS OF 122-0-0-15  
 AXILO BMZ @ 2 LBS/A (MICRONUTRIENTS) - 04/20/23

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

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**SOIL DESCRIPTION**

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

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-3-23		0.83	IN	RAINFALL		
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							

Overall Moisture Conditions: \_\_\_\_\_  
 Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_\_

**APPLICATION DESCRIPTION**

	A	B
Application Date:	Apr-5-23	Apr-25-23
Time of Day:	7:43 AM	7:47 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	65 F	58 F
% Relative Humidity:	95	74
Wind Velocity, Unit:	2 MPH	1 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	68 F	60 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	5	30

**CROP STAGE AT EACH APPLICATION**

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V4-V5
Height, Unit:		7, IN

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WEED STAGE AT EACH APPLICATION		
	A	B
<b>Weed 1 Code, Stage:</b>	AMAPA,	AMAPA,
<b>Stage Scale:</b>		1.5";4 LF
<b>Density, Unit:</b>		
<b>Weed 2 Code, Stage:</b>	RAPRA,	RAPRA,
<b>Stage Scale:</b>		2.5";3 LF
<b>Density, Unit:</b>		
<b>Weed 3 Code, Stage:</b>	AGRAS,	AGRAS,
<b>Stage Scale:</b>		1";1 LF
<b>Density, Unit:</b>		
<b>Weed 4 Code, Stage:</b>	DEDTO,	DEDTO,
<b>Stage Scale:</b>		
<b>Density, Unit:</b>		

APPLICATION EQUIPMENT		
	A	B
<b>Appl. Equipment:</b>	BACKPACK	SAME AS A
<b>Operating Pressure:</b>	38	
<b>Nozzle Type:</b>	AIXR	
<b>Nozzle Size:</b>	11002	
<b>Nozzle Spacing, Unit:</b>	20 IN	
<b>Nozzles/Row:</b>		
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>	60 IN	
<b>Boom Height, Unit:</b>	20 IN	
<b>Ground Speed, Unit:</b>	3.5 MPH	
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	WATER	
<b>Spray Volume, Unit:</b>	15 GPA	
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	
<b>Tank Mix (Y/N):</b>		

Trt No	Treatment Application Comment

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					-----	Rapra	Amapa	Agrass	-----	-----	Amapa	Rapra	Agrass	Amapa		
					Zeama	-----	-----	-----	Zeama	Zeama	-----	-----	-----	-----		
					Stunting	Control	Control	Control	Stunting	Bleaching	Control	Control	Control	Control		
					%	%	%	%	%	%	%	%	%	%		
					Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	May-3-23	May-3-23	May-3-23	May-3-23	May-3-23	Aug-15-23		
Trt	Treatment	Form	Form	Rate	Grow	Appl										
No.	Name	Conc	Type	Rate	Stg	Code	1	2	3	4	5	6	7	8	9	10
<b>TABLE OF R MEANS</b>																
Replicate 1																
							0.0	6.3	74.3	74.3	0.0	0.0	84.8	54.2	84.3	87.6
Replicate 2																
							0.0	21.7	74.3	74.3	0.8	0.0	84.8	54.1	81.6	88.8
Replicate 3																
							0.0	8.3	74.3	72.9	2.5	0.0	87.6	50.0	81.2	89.0
<b>TABLE OF A (PRE) MEANS</b>																
1 NO PRE																
							0.0 -	0.0 -	0.0 b	0.0 b	0.0 -	0.0 -	46.7 b	44.4 -	44.4 b	58.9 b
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 -	26.1 -	99.0 a	98.1 a	1.7 -	0.0 -	98.6 a	64.3 -	95.8 a	98.6 a
3	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 -	5.6 -	99.0 a	98.6 a	1.7 -	0.0 -	98.6 a	51.7 -	93.8 a	98.2 a
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	16.7 -	99.0 a	98.6 a	1.1 -	0.0 -	99.0 a	50.6 -	95.3 a	98.1 a
LSD P=.10																
Standard Deviation																
							0.00	25.95	0.00	1.00	2.16	0.00	4.47	17.22	2.49	4.47
CV																
							0.00	28.33	0.00	1.09	2.36	0.00	4.88	18.80	2.71	4.88
							0.00	234.45	0.00	1.48	212.13	0.00	5.69	35.63	3.30	5.52
<b>TABLE OF B (POST) MEANS</b>																
1 NO POST																
							0.0 -	14.6 -	74.3 -	73.6 -	0.0 -	0.0 -	73.9 b	7.5 b	71.1 b	73.3 b
2	IMPACT	2.8 SC		1.25 oz/a	POST	B	0.0 -	5.4 -	74.3 -	74.3 -	0.8 -	0.0 -	91.0 a	71.7 a	87.4 a	95.1 a
2	PROWL H20	3.8 SC		32.0 oz/a	POST	B										
2	AGRIDEX			1.0 % v/v	POST	B										
3	IMPACT	2.8 SC		1.25 oz/a	POST	B	0.0 -	16.3 -	74.3 -	73.6 -	2.5 -	0.0 -	92.2 a	79.1 a	88.5 a	97.0 a
3	ZIDUA	4.17 SC		2.5 oz/a	POST	B										
3	AGRIDEX			1.0 % v/v	POST	B										
LSD P=.10																
Standard Deviation																
							0.00	18.67	0.00	1.16	2.29	0.00	2.43	18.36	3.11	4.99
CV																
							0.00	21.46	0.00	1.33	2.64	0.00	2.79	21.10	3.58	5.73
							0.00	177.58	0.00	1.81	237.17	0.00	3.25	40.00	4.34	6.48
<b>TABLE OF A (PRE) B (POST) MEANS</b>																
1 NO PRE																
							0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 -	0.0 c	0.0 -	0.0 c	0.0 c
1 NO POST																
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 -	25.0 -	99.0 a	97.7 -	0.0 -	0.0 -	97.7 a	30.0 -	94.7 a	97.7 a
1 NO POST																
3	WARRANT	3 ME		48.0 oz/a	PRE	A	0.0 -	16.7 -	99.0 a	97.7 -	0.0 -	0.0 -	99.0 a	0.0 -	93.3 a	97.7 a
1 NO POST																
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	16.7 -	99.0 a	99.0 -	0.0 -	0.0 -	99.0 a	0.0 -	96.3 a	97.7 a
1 NO POST																
1	NO PRE						0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 -	68.3 b	65.0 -	65.0 b	83.3 b
2	IMPACT	2.8 SC		1.25 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 -	21.7 -	99.0 a	99.0 -	0.0 -	0.0 -	99.0 a	76.7 -	96.3 a	99.0 a
2	IMPACT	2.8 SC		1.25 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 -	0.0 -	99.0 a	99.0 -	3.3 -	0.0 -	97.7 a	73.3 -	93.3 a	99.0 a
2	IMPACT	2.8 SC		1.25 oz/a	POST	B										
2	PROWL H20	3.8 SC		32.0 oz/a	POST	B										
2	AGRIDEX			1.0 % v/v	POST	B										
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	99.0 -	0.0 -	0.0 -	99.0 a	71.7 -	95.0 a	99.0 a
2	IMPACT	2.8 SC		1.25 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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Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					-----	Rapra	Amapa	Agrass	-----	-----	Amapa	Rapra	Agrass	Amapa		
Crop Code					Zeama	-----	-----	-----	Zeama	Zeama	-----	-----	-----	-----		
Part Rated					Stunting	Control	Control	Control	Stunting	Bleaching	Control	Control	Control	Control		
Rating Data Type					%	%	%	%	%	%	%	%	%	%		
Rating Unit					Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	May-3-23	May-3-23	May-3-23	May-3-23	May-3-23	Aug-15-23		
Rating Date					Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	May-3-23	May-3-23	May-3-23	May-3-23	May-3-23	Aug-15-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9	10
1	NO PRE						0.0 -	0.0 -	0.0 b	0.0 -	0.0 -	0.0 -	71.7 b	68.3 -	68.3 b	93.3 a
3	IMPACT	2.8	SC	1.25 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 -	31.7 -	99.0 a	97.7 -	5.0 -	0.0 -	99.0 a	86.3 -	96.3 a	99.0 a
3	IMPACT	2.8	SC	1.25 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 -	0.0 -	99.0 a	99.0 -	1.7 -	0.0 -	99.0 a	81.7 -	94.7 a	98.0 a
3	IMPACT	2.8	SC	1.25 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 -	33.3 -	99.0 a	97.7 -	3.3 -	0.0 -	99.0 a	80.0 -	94.7 a	97.7 a
3	IMPACT	2.8	SC	1.25 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							.	40.40	.	1.58	5.15	.	4.53	20.74	4.02	7.20
Standard Deviation							0.00	27.76	0.00	1.09	3.54	0.00	3.12	14.25	2.76	4.95
CV							0.00	229.74	0.00	1.48	318.20	0.00	3.64	27.02	3.35	5.59

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

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Weed Code	Dedto	Agrass	TOTAL WEED	ZEAMA PLOT, - YIELD LBS/PLOT	ZEAMA PLOT, - YIELD BU/A
Crop Code	-----	-----	-----	-----	-----
Part Rated	Control %	Control %	Cover %		
Rating Data Type	Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23
Rating Unit					
Rating Date					
Trt Treatment	Form Form	Rate	Grow	Appl	
No. Name	Conc Type	Rate Unit	Stg	Code	
	11	12	13	14	15
<b>TABLE OF R MEANS</b>					
Replicate 1	46.3	76.7	62.9	43.8	229
Replicate 2	49.3	70.4	62.5	45.4	238
Replicate 3	59.6	37.5	64.2	44.0	231
<b>TABLE OF A (PRE) MEANS</b>					
1 NO PRE	75.2 a	16.1 b	73.9 a	41.8 -	219 -
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A	41.7 c	81.1 a	57.2 bc	45.6 -	239 -
3 WARRANT 3 ME 48.0 oz/a PRE A	52.8 b	78.3 a	52.8 c	45.6 -	239 -
4 OUTLOOK 6 EC 12.8 oz/a PRE A	37.2 c	70.6 a	68.9 ab	44.7 -	234 -
LSD P=.10	5.98	17.23	12.14	3.86	20.2
Standard Deviation	6.53	18.81	13.25	4.22	22.1
CV	12.63	30.58	20.97	9.50	9.5
<b>TABLE OF B (POST) MEANS</b>					
1 NO POST	42.5 b	44.2 -	85.0 a	41.0 -	215 -
2 IMPACT 2.8 SC 1.25 oz/a POST B	57.7 a	69.6 -	51.7 b	46.4 -	243 -
2 PROWL H20 3.8 SC 32.0 oz/a POST B					
2 AGRIDEX 1.0 % v/v POST B					
3 IMPACT 2.8 SC 1.25 oz/a POST B	55.0 a	70.8 -	52.9 b	45.8 -	240 -
3 ZIDUA 4.17 SC 2.5 oz/a POST B					
3 AGRIDEX 1.0 % v/v POST B					
LSD P=.10	7.10	33.07	10.35	4.29	22.5
Standard Deviation	8.16	37.99	11.89	4.93	25.8
CV	15.77	61.75	18.81	11.11	11.1
<b>TABLE OF A (PRE) B (POST) MEANS</b>					
1 NO PRE	96.7 a	0.0 -	96.7 a	29.0 c	152 c
1 NO POST					
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A	23.3 d	60.0 -	83.3 b	46.3 ab	243 ab
1 NO POST					
3 WARRANT 3 ME 48.0 oz/a PRE A	50.0 c	53.3 -	66.7 c	43.3 b	227 b
1 NO POST					
4 OUTLOOK 6 EC 12.8 oz/a PRE A	0.0 e	63.3 -	93.3 ab	45.3 ab	238 ab
1 NO POST					
1 NO PRE	70.7 b	0.0 -	70.0 c	48.3 a	253 a
2 IMPACT 2.8 SC 1.25 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	51.7 bc	91.7 -	43.3 f	44.0 ab	231 ab
2 IMPACT 2.8 SC 1.25 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	55.0 bc	95.0 -	45.0 ef	48.0 a	252 a
2 IMPACT 2.8 SC 1.25 oz/a POST B					
2 PROWL H20 3.8 SC 32.0 oz/a POST B					
2 AGRIDEX 1.0 % v/v POST B					
4 OUTLOOK 6 EC 12.8 oz/a PRE A	53.3 bc	91.7 -	48.3 ef	45.3 ab	238 ab
2 IMPACT 2.8 SC 1.25 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).  
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# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Dedto	Agrass	TOTAL	-----	-----	
Crop Code						-----	-----	WEED	ZEAMA	ZEAMA	
Part Rated						Control	Control	Cover	PLOT, -	PLOT, -	
Rating Data Type						%	%	%	YIELD	YIELD	
Rating Unit						Aug-15-23	Aug-15-23	Aug-15-23	LBS/PLOT	BU/A	
Rating Date						Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	11	12	13	14	15
1	NO PRE						58.3 bc	48.3 -	55.0 de	48.0 a	252 a
3	IMPACT	2.8	SC	1.25 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	50.0 c	91.7 -	45.0 ef	46.3 ab	243 ab
3	IMPACT	2.8	SC	1.25 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	53.3 bc	86.7 -	46.7 ef	45.3 ab	238 ab
3	IMPACT	2.8	SC	1.25 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	58.3 bc	56.7 -	65.0 cd	43.3 b	227 b
3	IMPACT	2.8	SC	1.25 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							19.65	34.67	11.34	4.47	23.4
Standard Deviation							13.50	23.82	7.80	3.05	16.0
CV							26.11	38.72	12.34	6.86	6.9

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# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-19-23 (Data Column 1)

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	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	2	0.000000	0.000000	0.000	1.0000	
RB	4	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Rapra ----- Control % Apr-19-23 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	23618.750000				
R	2	1679.166667	839.583333	1.090	0.3675	
A	3	3657.638889	1219.212963	1.519	0.3028	26.0
RA	6	4815.277778	802.546296			
B	2	816.666667	408.333333	0.887	0.4800	18.7
RB	4	1841.666667	460.416667			
AB	6	1561.111111	260.185185	0.338	0.9039	40.4
RAB	12	9247.222222	770.601852			

COMPLETE FACTORIAL AOV For Amapa ----- Control % Apr-19-23 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	66156.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	66156.750000	22052.250000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	2	0.000000	0.000000	0.000	1.0000	
RB	4	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Agrass ----- Control % Apr-19-23 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	65421.638889				
R	2	14.222222	7.111111	6.000	0.0156	
A	3	65368.305556	21789.435185	18384.836	0.0001	1.0
RA	6	7.111111	1.185185			
B	2	3.555556	1.777778	1.000	0.4444	1.2
RB	4	7.111111	1.777778			
AB	6	7.111111	1.185185	1.000	0.4682	1.6
RAB	12	14.222222	1.185185			

COMPLETE FACTORIAL AOV For ----- Zeama Stunting May-3-23 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	355.555556				
R	2	38.888889	19.444444	1.556	0.2508	
A	3	16.666667	5.555556	1.000	0.4547	2.2
RA	6	33.333333	5.555556			
B	2	38.888889	19.444444	2.800	0.1736	2.3
RB	4	27.777778	6.944444			
AB	6	50.000000	8.333333	0.667	0.6785	5.1
RAB	12	150.000000	12.500000			

COMPLETE FACTORIAL AOV For ----- Zeama Bleaching May-3-23 (Data Column 6)

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	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	2	0.000000	0.000000	0.000	1.0000	
RB	4	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	
RAB	12	0.000000	0.000000			

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# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
NO ATRAZINE/ROUNDUP/LIBERTY  
Trial ID: CN-07-23 Study Dir.: N. SHAY  
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Amapa ----- Control May-3-23 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	28457.638889				
R	2	64.222222	32.111111	3.309	0.0717	
A	3	18279.194444	6093.064815	255.852	0.0001	4.5
RA	6	142.888889	23.814815			
B	2	2505.055556	1252.527778	161.039	0.0002	2.4
RB	4	31.111111	7.777778			
AB	6	7318.722222	1219.787037	125.703	0.0001	4.5
RAB	12	116.444444	9.703704			

COMPLETE FACTORIAL AOV For Rapra ----- Control May-3-23 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	46428.750000				
R	2	136.166667	68.083333	0.335	0.7217	
A	3	1882.305556	627.435185	1.776	0.2515	17.2
RA	6	2119.611111	353.268519			
B	2	37186.166667	18593.083333	41.767	0.0021	18.4
RB	4	1780.666667	445.166667			
AB	6	886.277778	147.712963	0.727	0.6367	20.7
RAB	12	2437.555556	203.129630			

COMPLETE FACTORIAL AOV For Agrass ----- Control May-3-23 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26420.000000				
R	2	67.166667	33.583333	4.404	0.0368	
A	3	17246.666667	5748.888889	780.981	0.0001	2.5
RA	6	44.166667	7.361111			
B	2	2285.166667	1142.583333	89.322	0.0005	3.1
RB	4	51.166667	12.791667			
AB	6	6634.166667	1105.694444	145.009	0.0001	4.0
RAB	12	91.500000	7.625000			

COMPLETE FACTORIAL AOV For Amapa ----- Control % Aug-15-23 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	26830.888889				
R	2	13.722222	6.861111	0.280	0.7603	
A	3	10483.333333	3494.444444	146.449	0.0001	4.5
RA	6	143.166667	23.861111			
B	2	4177.722222	2088.861111	63.566	0.0009	5.0
RB	4	131.444444	32.861111			
AB	6	11587.833333	1931.305556	78.918	0.0001	7.2
RAB	12	293.666667	24.472222			

COMPLETE FACTORIAL AOV For Dedto ----- Control % Aug-15-23 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	21787.222222				
R	2	1169.388889	584.694444	3.207	0.0766	
A	3	7782.555556	2594.185185	60.814	0.0001	6.0
RA	6	255.944444	42.657407			
B	2	1573.555556	786.777778	11.819	0.0209	7.1
RB	4	266.277778	66.569444			
AB	6	8551.777778	1425.296296	7.818	0.0014	19.6
RAB	12	2187.722222	182.310185			

COMPLETE FACTORIAL AOV For Agrass ----- Control % Aug-15-23 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	62290.972222				
R	2	10626.388889	5313.194444	9.363	0.0035	
A	3	25290.972222	8430.324074	23.819	0.0010	17.2
RA	6	2123.611111	353.935185			
B	2	5434.722222	2717.361111	1.883	0.2653	33.1
RB	4	5773.611111	1443.402778			
AB	6	6231.944444	1038.657407	1.830	0.1756	34.7
RAB	12	6809.722222	567.476852			

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# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For TOTAL WEED Cover % Aug-15-23 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	14707.638889				
R	2	18.055556	9.027778	0.149	0.8635	
A	3	2618.750000	872.916667	4.968	0.0458	12.1
RA	6	1054.166667	175.694444			
B	2	8568.055556	4284.027778	30.314	0.0038	10.3
RB	4	565.277778	141.319444			
AB	6	1154.166667	192.361111	3.166	0.0423	11.3
RAB	12	729.166667	60.763889			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Sep-7-23 (Data Column 14) Missing values in column 14 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	34	1198.555556				
R	2	19.388889	9.694444	1.045	0.3842	
A	3	86.555556	28.851852	1.624	0.2804	3.9
RA	6	106.611111	17.768519			
B	2	209.388889	104.694444	4.305	0.1006	4.3
RB	4	97.277778	24.319444			
AB	6	577.277778	96.212963	10.370	0.0006	4.5
RAB	11	102.055556	9.277778			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD BU/A Sep-7-23 (Data Column 15) Missing values in column 15 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	34	32921.352093				
R	2	532.564748	266.282374	1.045	0.3842	
A	3	2377.466699	792.488900	1.624	0.2804	20
RA	6	2928.343129	488.057188			
B	2	5751.394087	2875.697044	4.305	0.1006	22
RB	4	2671.979583	667.994896			
AB	6	15856.390544	2642.731757	10.370	0.0006	23
RAB	11	2803.213303	254.837573			

Rating Unit  
 % = PERCENT  
ARM Action Codes  
 TY1 = 5.24094675\*[14]

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# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

						----- Zeama	Rapra -----	Amapa -----	Agrass -----	----- Zeama	----- Zeama	Amapa -----	Rapra -----	Agrass -----			
						Stunting %	Control %	Control %	Control %	Stunting	Bleaching	Control	Control	Control			
						Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	May-3-23	May-3-23	May-3-23	May-3-23	May-3-23			
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7	8	9
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
								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	65.0	65.0	65.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	208	0.0	0.0	0.0	0.0	0.0	0.0	65.0	65.0	65.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	303	0.0	0.0	0.0	0.0	0.0	75.0	65.0	65.0	
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	68.3	65.0	65.0
3	NO PRE							103	0.0	0.0	0.0	0.0	0.0	0.0	65.0	65.0	75.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	205	0.0	0.0	0.0	0.0	0.0	0.0	65.0	75.0	65.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	306	0.0	0.0	0.0	0.0	0.0	0.0	85.0	65.0	65.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	71.7	68.3	68.3
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	104	0.0	75.0	99.0	99.0	0.0	0.0	95.0	90.0	99.0
	NO POST							207	0.0	0.0	99.0	99.0	0.0	0.0	99.0	0.0	95.0
								302	0.0	0.0	99.0	95.0	0.0	0.0	99.0	0.0	90.0
								Mean =	0.0	25.0	99.0	97.7	0.0	0.0	97.7	30.0	94.7
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	0.0	0.0	99.0	99.0	0.0	0.0	99.0	75.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	0.0	65.0	99.0	99.0	0.0	0.0	99.0	85.0	95.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	305	0.0	0.0	99.0	99.0	0.0	0.0	99.0	70.0	95.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	21.7	99.0	99.0	0.0	0.0	99.0	76.7	96.3
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	0.0	0.0	99.0	99.0	0.0	0.0	99.0	85.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	204	0.0	95.0	99.0	99.0	0.0	0.0	99.0	99.0	95.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	310	0.0	0.0	99.0	95.0	15.0	0.0	99.0	75.0	95.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	31.7	99.0	97.7	5.0	0.0	99.0	86.3	96.3
7	WARRANT	3	ME	48.0	oz/a	PRE	A	107	0.0	0.0	99.0	99.0	0.0	0.0	99.0	0.0	95.0
	NO POST							211	0.0	50.0	99.0	99.0	0.0	0.0	99.0	0.0	95.0
								308	0.0	0.0	99.0	95.0	0.0	0.0	99.0	0.0	90.0
								Mean =	0.0	16.7	99.0	97.7	0.0	0.0	99.0	0.0	93.3
8	WARRANT	3	ME	48.0	oz/a	PRE	A	108	0.0	0.0	99.0	99.0	0.0	0.0	99.0	65.0	95.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	209	0.0	0.0	99.0	99.0	0.0	0.0	95.0	75.0	90.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	304	0.0	0.0	99.0	99.0	10.0	0.0	99.0	80.0	95.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	0.0	99.0	99.0	3.3	0.0	97.7	73.3	93.3
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	0.0	0.0	99.0	99.0	0.0	0.0	99.0	75.0	95.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	202	0.0	0.0	99.0	99.0	5.0	0.0	99.0	85.0	90.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	309	0.0	0.0	99.0	99.0	0.0	0.0	99.0	85.0	99.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	0.0	99.0	99.0	1.7	0.0	99.0	81.7	94.7
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	110	0.0	0.0	99.0	99.0	0.0	0.0	99.0	0.0	95.0
	NO POST							203	0.0	0.0	99.0	99.0	0.0	0.0	99.0	0.0	99.0
								311	0.0	50.0	99.0	99.0	0.0	0.0	99.0	0.0	95.0
								Mean =	0.0	16.7	99.0	99.0	0.0	0.0	99.0	0.0	96.3
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	111	0.0	0.0	99.0	99.0	0.0	0.0	99.0	65.0	95.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	201	0.0	0.0	99.0	99.0	0.0	0.0	99.0	75.0	95.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	0.0	0.0	99.0	99.0	0.0	0.0	99.0	75.0	95.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	0.0	99.0	99.0	0.0	0.0	99.0	71.7	95.0
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	0.0	0.0	99.0	99.0	0.0	0.0	99.0	65.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	0.0	50.0	99.0	99.0	5.0	0.0	99.0	90.0	95.0
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	312	0.0	50.0	99.0	95.0	5.0	0.0	99.0	85.0	90.0
	AGRIDEX			1.0	% v/v	POST	B										
								Mean =	0.0	33.3	99.0	97.7	3.3	0.0	99.0	80.0	94.7

# University of Georgia

WEED CONTROL IN FIELD CORN WITH IMPACT  
 NO ATRAZINE/ROUNDUP/LIBERTY  
 Trial ID: CN-07-23 Study Dir.: N. SHAY  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Amapa	Dedto	Agrass	TOTAL	-----	-----			
Crop Code						-----	-----	-----	WEED	ZEAMA	ZEAMA			
Part Rated						Control	Control	Control	Cover	PLOT, -	PLOT, -			
Rating Data Type						%	%	%	%	YIELD	YIELD			
Rating Unit						Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	LBS/PLOT	BU/A			
Rating Date						Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23			
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	10	11	12	13	14	15
1	NO PRE							101	0.0	100.0	0.0	100.0	31.0	162
	NO POST							212	0.0	100.0	0.0	100.0	25.0	131
								301	0.0	90.0	0.0	90.0	31.0	162
								Mean =	0.0	96.7	0.0	96.7	29.0	152
2	NO PRE							102	65.0	65.0	0.0	60.0	46.0	241
	IMPACT	2.8	SC	1.25	oz/a	POST	B	208	95.0	62.0	0.0	75.0	50.0	262
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	303	90.0	85.0	0.0	75.0	49.0	257
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	83.3	70.7	0.0	70.0	48.3	253
3	NO PRE							103	95.0	60.0	85.0	45.0	49.0	257
	IMPACT	2.8	SC	1.25	oz/a	POST	B	205	90.0	50.0	60.0	60.0	48.0	252
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	306	95.0	65.0	0.0	60.0	47.0	246
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	93.3	58.3	48.3	55.0	48.0	252
4	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	104	99.0	0.0	95.0	100.0	47.0	246
	NO POST							207	99.0	20.0	85.0	75.0	46.0	241
								302	95.0	50.0	0.0	75.0	46.0	241
								Mean =	97.7	23.3	60.0	83.3	46.3	243
5	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	105	99.0	50.0	95.0	40.0	41.0	215
	IMPACT	2.8	SC	1.25	oz/a	POST	B	210	99.0	45.0	90.0	55.0	42.0	220
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	305	99.0	60.0	90.0	35.0	49.0	257
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	99.0	51.7	91.7	43.3	44.0	231
6	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	106	99.0	50.0	95.0	50.0	46.0	241
	IMPACT	2.8	SC	1.25	oz/a	POST	B	204	99.0	50.0	95.0	35.0	50.0	262
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	310	99.0	50.0	85.0	50.0	43.0	225
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	99.0	50.0	91.7	45.0	46.3	243
7	WARRANT	3	ME	48.0	oz/a	PRE	A	107	99.0	40.0	95.0	60.0	46.0	241
	NO POST							211	95.0	60.0	65.0	75.0	38.0	199
								308	99.0	50.0	0.0	65.0	46.0	241
								Mean =	97.7	50.0	53.3	66.7	43.3	227
8	WARRANT	3	ME	48.0	oz/a	PRE	A	108	99.0	50.0	95.0	50.0	49.0	257
	IMPACT	2.8	SC	1.25	oz/a	POST	B	209	99.0	50.0	95.0	50.0	.	.
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	304	99.0	65.0	95.0	35.0	47.0	246
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	99.0	55.0	95.0	45.0	48.0	252
9	WARRANT	3	ME	48.0	oz/a	PRE	A	109	99.0	50.0	95.0	40.0	45.0	236
	IMPACT	2.8	SC	1.25	oz/a	POST	B	202	96.0	50.0	75.0	50.0	49.0	257
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	309	99.0	60.0	90.0	50.0	42.0	220
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	98.0	53.3	86.7	46.7	45.3	238
10	OUTLOOK	6	EC	12.8	oz/a	PRE	A	110	99.0	0.0	95.0	95.0	46.0	241
	NO POST							203	95.0	0.0	95.0	85.0	50.0	262
								311	99.0	0.0	0.0	100.0	40.0	210
								Mean =	97.7	0.0	63.3	93.3	45.3	238
11	OUTLOOK	6	EC	12.8	oz/a	PRE	A	111	99.0	50.0	95.0	55.0	39.0	204
	IMPACT	2.8	SC	1.25	oz/a	POST	B	201	99.0	60.0	90.0	40.0	51.0	267
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	99.0	50.0	90.0	50.0	46.0	241
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	99.0	53.3	91.7	48.3	45.3	238
12	OUTLOOK	6	EC	12.8	oz/a	PRE	A	112	99.0	40.0	75.0	60.0	40.0	210
	IMPACT	2.8	SC	1.25	oz/a	POST	B	206	99.0	45.0	95.0	50.0	48.0	252
	ZIDUA	4.17	SC	2.5	oz/a	POST	B	312	95.0	90.0	0.0	85.0	42.0	220
	AGRINDEX			1.0	% v/v	POST	B							
								Mean =	97.7	58.3	56.7	65.0	43.3	227

# University of Georgia

WEED CONTROL IN FIELD CORN WTH IMPACT  
NO ATRAZINE/ROUNDUP/LIBERTY  
Trial ID: CN-07-23 Study Dir.: N. SHAY  
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit  
% = PERCENT  
ARM Action Codes  
TY1 = 5.24094675\*[14]